SEQUENCE LISTING

<110> TREOS BIO ZRT

<120> COMPOSITION AND PROCESS FOR PREPARING VACCINE

<130> N414322WO

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<150> GB 1814362.8
<151> 2018-09-04

<160> 5967

<170> PatentIn version 3.5

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Val Glu Ser Thr Pro Met Ile Met Glu Asn Ile Gln Glu Leu Ile Arg
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Leu Asn Trp Glu Gly Val Gln Tyr Leu Trp Ser Phe Val Leu Glu Asn

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His Arg Arg Glu
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Pro His Asn Phe Arg Val Tyr Ser Tyr Ser Gly Thr Gly Ile Met Lys
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Pro Leu Asp Gln
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Arg Ile Val Glu Ile Val Val Val Ile Asp Asn Tyr Leu Tyr Ile Arg
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Tyr Glu Arg Asn
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Pro Phe Leu Tyr
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Asp Glu Val Ser Phe Tyr Ala Asn Arg Leu Thr Asn Leu Val Ile Ala
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Met Ala Arg Lys
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Ile Asp Asp Leu Ser Phe Tyr Val Asn Arg Leu Ser Ser Leu Val Ile
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Gln Met Ala His
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Arg Thr Lys Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly
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His Leu Glu Thr
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Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln Ala Arg
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Leu Met Lys Glu
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Gly Val Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln Ala Arg Leu
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Met Lys Glu Glu
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Gly Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln Ala Arg Leu
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Met Lys Glu Glu
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Asn Gln Glu Tyr Lys Asp Ala Tyr Lys Phe Ala Ala Asp Val Arg Leu
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Met Phe Met Asn
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Met Tyr Arg Gly
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Lys Arg Ala Ser Gln Leu Ala Ser Lys Met His Ser Leu Leu Ala Leu
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Met Val Gly Leu
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Ser Ser Lys Ser
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Ala Lys Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe Ile His
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Phe Arg Glu Ala
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Glu Gly Lys Asp Pro Ala Phe Thr Ala Leu Leu Thr Thr Gln Leu Gln
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Glu Ala Ala Arg
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Ala Thr Ala Gln Leu Gln Arg Thr Pro Met Ser Ala Leu Val Phe Pro
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Asn Lys Ile Ser
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Leu Asp Met Val His Ser Leu Leu His Arg Leu Ser His Asn Asp His
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Ile Leu Ile Glu
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Gly Asn Asn Phe Ile Gln Asn Phe Tyr Leu Pro Gln Asn Tyr Ile Asp
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Gln Phe Leu Leu
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Leu Tyr Val Arg
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Arg Leu Tyr Val
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His Thr Arg Phe Thr Gln Ser Gly Thr Met Lys Ile His Ile Leu Gln
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Lys His Gly Glu
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Lys Lys Asn Ala Thr Met Leu Tyr Thr Ala Ser Gln Ala Phe Leu Arg
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His Pro Asp Val
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Asn Glu Asp Asn Ile Tyr Ile Ser Asn Ser Ile Tyr Phe Ser Ile Ala
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Ile Val Ser Glu
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Asn Thr Gly Glu Met Ser Ser Asn Ser Thr Ala Leu Ala Leu Val Arg
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Pro Ser Ser Ser
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Pro Asn Gln Gln
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Ser Arg Val Leu His Gly Tyr Ala Ala Gln Gln Leu Pro Ser Leu Leu
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Lys Glu Arg Glu
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Asn Leu Leu Arg Gly Ile Asp Ser Leu Phe Ser Ala Pro Met Asp Phe
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Arg Gly Leu Pro
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Ile Ala Glu Arg Gln Arg Val Met Ala Ala Gln Val Ala Leu Arg Arg
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Gln Gln Ala Gln

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Gly Lys Lys Ile Glu Val Tyr Leu Arg Leu His Arg His Ala Tyr Pro
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Glu Gln Arg Gln
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Ser Glu Arg Val Arg Thr Tyr Trp Ile Ile Ile Glu Leu Lys His Lys
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Ala Arg Glu Lys
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<400> 36
Lys Gly Trp Asp Leu Met Gln Asn Ile Met Asn Asp Met Pro Ile Tyr
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Met Tyr Ser Val
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<400> 37
Lys Arg Asp Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met Ala Arg
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Trp Arg Gly Pro
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<400> 38
Arg Arg Gln Phe Glu Phe Ser Val Asp Ser Phe Gln Ile Val Leu Asp
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Pro Met Leu Asp
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<400> 39
Gly Glu Asn Gln Glu His Leu Val Ile Ala Glu Met Met Glu Leu Gly
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Ser Arg Ser Arg
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Glu His Leu Glu Val Lys Phe Met Asn Pro Tyr Asn Ala Val Leu Thr
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Lys Lys Phe Gln
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<400> 41
Ser Gly Ser Ser Tyr Phe Val Leu Ala Asn Gly His Ile Leu Pro Asn
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Ser Glu Asn Ala
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<400> 42
Ile Ser Asp Thr Lys Asp Tyr Phe Met Ser Lys Thr Leu Gly Ile Gly
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Arg Leu Lys Arg
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<400> 43
Gly Trp Glu Ser Gly Leu Val Ala Met Glu Ser Ala Phe His Leu Glu
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Lys Asn Val Asn
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<400> 44
Glu Glu Met Arg Ser His Tyr Val Ala Gln Thr Gly Ile Leu Trp Leu
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Leu Met Asn Asn
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Ser Arg Gly Lys Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val
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Gln Pro Pro Glu
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<400> 46
Trp Arg Gly Arg Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val
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Gln Pro Pro Glu
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<400> 47
Glu Lys Phe Lys Lys Ala Met Thr Ile Gly Asp Val Ser Leu Val Gln
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Glu Leu Leu Asp
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Ala Leu Ser Arg His Met Ser Ser Leu Ser His Ile Ser Pro Phe Ser
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His Ser Ser His
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Glu Phe Val Gly Glu Phe Phe Thr Asp Val Ser Leu Tyr Ile Leu Gly
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Ser Asp Ile Asn
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Asp Gly Gly Asn Lys His Phe Leu Arg Asn Gln Pro Leu Thr Phe Ala
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Leu Gln Leu His
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Arg Leu Asn Asp Leu Gln Met Ser Asn Phe Val Asn Leu Lys Asn Ile
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Thr Tyr Leu Val
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Lys Pro His Arg Ile Arg Met Thr His Asn Leu Leu Leu Asn Tyr Gly
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Leu Tyr Arg Lys
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Thr Ile Phe Glu Asn Leu Lys Met Leu Asn His Ala Pro Ser Val Gln
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Ile His Asp Val
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Lys Glu Leu Glu
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Leu Ile Asn Leu Asn Val Ile Trp Met Val Thr Pro Leu Ser Asn Ala
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Asn Gln Pro Glu
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Pro Ile Arg Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys

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Pro Leu Pro Pro
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<210> 57
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<400> 57
Lys Leu Arg Tyr Arg Tyr Thr Leu Asp Asp Leu Tyr Pro Met Met Asn
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Ala Leu Lys Leu
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<210> 58
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<400> 58
Pro Asp Glu Ser Trp Ala Leu Lys Ala Ile Glu Ala Leu Ser Gly Lys
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Ile Glu Leu His
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<400> 59
Ile Gln Asn His Asp Ile Met His Ala Ile Ile Ser Pro Leu Arg Ser
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Ala Asn Thr Val
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<210> 60
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<400> 60
Pro Asp Ser Arg Leu Leu Gln Leu His Ile Thr Met Pro Phe Ser Ser
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Pro Met Glu Ala
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Gln Arg Asn Val Ala Ile Met Lys Ser Ile Ile Pro Ala Ile Val His
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Tyr Ser Pro Asp
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Ser Glu Glu Leu Asn Ile Ile Leu Gln Gly Asn Ile Ile Leu Ser Thr
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Glu Lys Ser Lys
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<400> 63
Gln Lys Tyr Ser Ala His Ala Phe Gln Phe Ser Pro Arg Asn Val Leu
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Trp Leu Leu Val
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Val Lys Val Leu Glu Tyr Val Ile Lys Val Ser Ala Arg Val Arg Phe
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Phe Phe Pro Ser
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Asp Asp Thr Thr Ala Met Ala Ser Ala Ser Ser Ser Ala Thr Gly Ser
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Phe Ser Tyr Pro
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<400> 66
Asp Pro Thr Ser His Ser Tyr Val Leu Val Thr Ser Leu Asn Leu Ser
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Tyr Asp Gly Ile
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<400> 67
Ala Leu Ser Arg Lys Met Ala Glu Leu Val His Phe Leu Leu Leu Lys
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Tyr Arg Ala Arg
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<400> 68
Gly Arg Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Met Gln
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Asp Leu Val Gln
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<400> 69
Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe
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Gly Ile Glu Leu
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Val Asn Ala Arg Val Arg Ile Ala Tyr Pro Ser Leu Arg Glu Ala Ala
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Leu Leu Glu Glu
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<210> 71
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<400> 71
Lys Ser Pro Gln Gly Ala Ser Ala Ile Pro Thr Ala Ile Asp Phe Thr
1   5   10   15

Leu Trp Arg Gln
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<400> 72
Lys Lys Leu Leu Thr Gln Tyr Phe Val Gln Glu Asn Tyr Leu Glu Tyr
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Arg Gln Val Pro
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<400> 73
Arg Ala Pro Glu Glu Ala Ile Trp Glu Ala Leu Ser Val Met Gly Leu
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Tyr Asp Gly Arg
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<400> 74
Pro Ala Gln Leu Glu Phe Met Phe Gln Glu Ala Leu Lys Leu Lys Val
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Ala Glu Leu Val
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Asp Asn Pro Ser Gly His Thr Tyr Thr Leu Val Ser Lys Leu Asn Leu
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Thr Asn Asp Gly
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<400> 76
Ser Ser Asp Pro Pro Arg Phe Gln Phe Leu Trp Gly Pro Arg Ala Tyr
1 5 10 15

Ala Glu Thr Ser
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<400> 77
Leu Ile Met Lys Thr Asn Met Leu Val Gln Phe Leu Met Glu Met Tyr
1 5 10 15

Lys Met Lys Lys
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<400> 78
Ser Ser Ser Val Leu Arg Asp Thr Ala Ser Ser Ser Leu Ala Phe Gly
1 5 10 15

Ile Pro Gln Glu
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<400> 79
Pro Gln Ile Leu Asn Arg Thr Ser Gln His Leu Val Val Ala Phe Gly
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Val Glu Leu Lys
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Arg Pro Val Ser Ser Phe Phe Ser Tyr Thr Leu Ala Ser Leu Leu Gln
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Ser Ser His Glu
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Ala Thr Val Met Ala Ser Glu Ser Leu Ser Val Met Ser Ser Asn Val
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Ser Phe Ser Glu
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Glu Pro Val Val Pro Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala
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Glu Gln Ser Pro
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Arg Ser Gln Ala Gly Met Phe Ile Tyr Ser Asn Asn Arg Leu Ile Lys
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Met His Glu Lys
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Glu Ile Tyr Asn Glu Tyr Ile Tyr Asp Leu Phe Val Pro Val Ser Ser
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Lys Phe Gln Lys
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Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu Gln Phe
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Asn Ser Ser Leu
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<400> 86
Val Gln Pro Thr Gln Lys Gln Gln Lys His Arg Leu Phe His Trp Gln
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Ala Asn Ser Glu

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<400> 87
Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn Ser Tyr
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Pro Tyr Tyr Pro
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<210> 88
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Ser Leu Leu Arg Lys Lys Met Leu Pro Glu Ala Ser Leu Leu Ile Ala
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Ile Lys Pro Val
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<210> 89
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<400> 89
Ile Glu Arg Leu Ile Tyr Leu Tyr His Lys Phe His Gln Leu Lys Val
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Ser Asn Glu Glu
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<210> 90
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Gln Ser Gln Gly Ser Val Leu Ala Phe Thr Arg Thr Phe Ile Ala Thr
1 5 10 15

Pro Gly Ser Ser
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<210> 91
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<400> 91
Lys Arg Ala Ser Gln Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu
1   5   10   15

Asn Thr Met Leu
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<400> 92
Trp Thr Leu Ser Arg Phe Phe Ser Tyr Leu Arg Ser Trp Asp Val Asp
1   5   10   15

Asp Leu Leu Leu
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<210> 93
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<400> 93
Lys Glu Phe Thr Val Ser Gly Asn Ile Leu Thr Ile Arg Leu Thr Ala
1   5   10   15

Ala Asp His Arg
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<210> 94
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<400> 94
Asp Glu Lys Arg Glu Leu Ala Lys Leu Arg Arg Thr Thr Asn Arg Ile
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Leu Ala Ser Ser
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Ala Asp Lys Asp Leu Tyr Val Ala Glu Ala Leu Ser Thr Leu Glu Ser
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Trp Arg Ser Arg
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Ser Ala Arg Thr
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Asn Ser Pro Leu Pro Phe Gln Trp Arg Ile Thr His Ser Phe Arg Trp
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Met Ala Gln Val
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Ala Asp Ser Val His Leu Ala Trp Asp Leu Ser Arg Ser Leu Gly Ala
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Val Val Phe Ser
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<210> 99
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<400> 99
Met Gly Phe Leu Arg Arg Leu Ile Tyr Arg Arg Arg Pro Met Ile Tyr
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Val Glu Ser Ser
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<210> 100
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Gly Pro Asp Met Glu Ala Phe Gln Gln Glu Leu Ala Leu Leu Lys Ile
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Glu Asp Glu Pro
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<210> 102
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Glu Asp Ala Pro
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Asn His Pro Val Arg Phe Leu Gln Ala Gln Pro Ile Val Pro Val Gln
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Arg Ala Ala Glu
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<210> 104
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<400> 104
Arg Tyr Lys Ala Ser Gln Asp Pro Phe Pro Ala Ala Ile Ile Leu Lys
1   5   10   15

Val Ala Leu Asn
            20

<210> 105
<211> 20
<212> PRT
<213> Homo sapiens

<400> 105
Lys Glu Met Glu Leu Trp Met Lys Ala Met Leu Asp Ala Ala Leu Val
1   5   10   15

Gln Thr Glu Pro
            20

<210> 106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 106
Gln Tyr Ala His Lys Leu Ala Phe Leu Val Gly Gln Ser Ile His Arg
1   5   10   15

Glu Pro Asn Leu
            20

<210> 107
<211> 20
<212> PRT
<213> Homo sapiens

<400> 107
Arg Ser Val Val Gly Phe Val Ala Ser Ile Asn Leu Thr Leu Thr Lys
1   5   10   15

Trp Tyr Ser Arg
            20

<210> 108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 108
Gln Lys Ser Ile Ala Gly Phe Val Ala Ser Thr Asn Ala Glu Leu Thr
1   5   10   15

Lys Trp Tyr Ser
            20

<210> 109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 109
Arg Thr Leu Asn Lys Gln Gly Met Met Met Ser Ile Ala Thr Lys Ile

1 5 10 15

Ala Met Gln Met
20

<210> 110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 110
Lys Ala Val Ser Gln Asp Met Val Ile Tyr Ser Thr Glu Ile His Tyr
1 5 10 15

Ser Ser Lys Gly
20

<210> 111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 111
Arg Leu Asp Gln Leu Leu Arg His Val Met Asn Pro Leu Glu Thr Leu
1 5 10 15

Ser Ile Thr Asn
20

<210> 112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 112
Lys Asn Thr Pro Gly Ile Tyr Thr Ser Leu Val Asn Tyr Asn Leu Trp
1 5 10 15

Ile Glu Lys Val
20

<210> 113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 113
Ser Asn Pro Ile Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu
1   5   10   15

Glu Arg Ala Phe
            20

<210> 114
<211> 20
<212> PRT
<213> Homo sapiens

<400> 114
Thr Lys Phe Lys Gln Ser Arg Ala Met Asn Phe Asp Phe Pro Phe Lys
1   5   10   15

Lys Gly Ser Gly
            20

<210> 115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 115
Gly Ser Thr Gly Phe Ser Ser Arg Leu Ala Ala Thr Gln Asp Leu Pro
1   5   10   15

Phe Ile His Gln
            20

<210> 116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 116
Pro Pro Ala Phe Ile Asn Met Ala Ala Thr Gly Val Ser Ser Met Ser
1   5   10   15

Thr Arg Asp Gln
            20

<210> 117

<211> 20
<212> PRT
<213> Homo sapiens

<400> 117
Lys Asp Ser Ile Thr Val Phe Val Ser Asn Leu Pro Tyr Ser Met Gln
1   5   10   15

Glu Pro Asp Thr
            20

<210> 118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 118
Asn Asn Asn Ile Glu Lys Met Ile Thr Ala Phe Glu Glu Leu Arg Val
1   5   10   15

Gln Ala Glu Asn
            20

<210> 119
<211> 20
<212> PRT
<213> Homo sapiens

<400> 119
Lys Leu Asn Gln Glu Tyr Ser Gln Gln Phe Leu Thr Leu Phe Gln Gln
1   5   10   15

Trp Asp Leu Asp
            20

<210> 120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 120
Arg Arg His Glu Leu Tyr Lys Ala His Glu Trp Ala Arg Ala Ile Ile
1   5   10   15

Glu Ser Asp Gln
            20

<210> 121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 121
Thr Ser Glu Leu Lys Thr Glu Gly Val Ser Pro Tyr Leu Met Leu Ile
1   5   10   15

Arg Leu Arg Lys
            20

<210> 122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 122
Gln Ser Ser Gly Ile Ser Phe Gln Ser Lys Tyr Leu Ser Phe Phe Ile
1   5   10   15

Leu Gly Gln Thr
            20

<210> 123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 123
Lys Glu Arg Gln Leu Ser Thr Met Ile Thr Gln Leu Ile Ser Leu Arg
1   5   10   15

Glu Gln Leu Leu
            20

<210> 124
<211> 20
<212> PRT
<213> Homo sapiens

<400> 124
Pro Asp Asn Ile Pro Ala Phe Ala Ala Ala Tyr Phe Glu Ser Leu Leu
1   5   10   15

Glu Lys Arg Glu
20

<210> 125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 125
Glu Lys Asp Pro Ser Leu Val Tyr Gln His Leu Leu Tyr Leu Ser Lys
1 5 10 15

Ala Glu Arg Phe
20

<210> 126
<211> 20
<212> PRT
<213> Homo sapiens

<400> 126
Arg Asp Ala Val Lys Phe Phe Val Ala Val Pro Gly Gln Val Ile Ser
1 5 10 15

Pro Gln Ser Ser
20

<210> 127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 127
Lys Lys Met Lys Thr Ser Glu Ser Ser Thr Ile Leu Val Val Arg Tyr
1 5 10 15

Arg Arg Asn Val
20

<210> 128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 128

Thr Arg Ile Gln Phe Ile Arg Trp Ser His Thr Arg Ile Phe Gln Val
1   5   10   15

Pro Ser Glu Met
            20

<210> 129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 129
Ala Glu Ile Gln Ala Leu Thr Phe Leu Ser Ser Asp Tyr Leu Ser Arg
1   5   10   15

Val Tyr Leu Pro
            20

<210> 130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 130
Arg Ile Gln Val Glu His Pro Gln Met Thr Phe Gly Arg Leu His Arg
1   5   10   15

Ile Ile Pro Lys
            20

<210> 131
<211> 20
<212> PRT
<213> Homo sapiens

<400> 131
Val Glu Arg Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile Ser Pro
1   5   10   15

Lys Ile Met Pro
            20

<210> 132
<211> 20
<212> PRT

<213> Homo sapiens

<400> 132
Gln Arg Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile Phe Pro Lys
1   5   10   15

Ile Met Pro Lys
            20

<210> 133
<211> 20
<212> PRT
<213> Homo sapiens

<400> 133
Ser Glu Lys Ile Val Tyr Val Tyr Met Lys Leu Asn Tyr Glu Val Met
1   5   10   15

Thr Lys Leu Gly
            20

<210> 134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 134
Asn Gln Val Glu His Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile
1   5   10   15

Phe Pro Lys Ile
            20

<210> 135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 135
Glu Phe Glu Glu Thr Ala Lys Lys Val Arg Arg Ala Ile Glu Gln Leu
1   5   10   15

Ala Ala Met Asp
            20

<210> 136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 136
Leu Phe Leu Arg Ser Gln Glu Ala Ala Ala Thr Val Gln Leu Phe Gln
1   5   10   15

Glu Glu His Arg
            20

<210> 137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 137
Glu Ser Gly Gln Tyr Arg Ala Asn Glu Gly Thr Ser Ser Ile Val Met
1   5   10   15

Glu Ile Gln Lys
            20

<210> 138
<211> 20
<212> PRT
<213> Homo sapiens

<400> 138
Gly Ala Asp Ala Gln Tyr Phe Val Tyr Ser Asn Glu Ser Val Arg Pro
1   5   10   15

Tyr Thr Pro Phe
            20

<210> 139
<211> 20
<212> PRT
<213> Homo sapiens

<400> 139
Arg Gly Leu Pro Ala Ser Thr Leu Ser Arg Leu Ser Asn Arg Leu Leu
1   5   10   15

Leu Arg Leu Glu

20

<210> 140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 140
Ser Ser Glu Val Leu Glu Tyr Met Asn Gln Leu Ser Ala Ser Leu Lys
1 5 10 15

Glu Thr Tyr Ala
20

<210> 141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 141
Leu Pro Gly Tyr Arg Tyr Leu Asn Ser Trp Arg Pro Ser Leu Phe Tyr
1 5 10 15

Lys Ile Ala Asn
20

<210> 142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 142
Leu Ser Gln Phe Trp Glu Phe Ser Glu Thr Thr Ala Ser Thr Val Ser
1 5 10 15

Thr Thr Leu His
20

<210> 143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 143
Arg Leu Leu Lys Ala Gly Val Ile Ser Ala Gln Asn Ile Tyr Ser Phe
1 5 10 15

Gly Phe Gly Lys
            20

<210> 144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 144
Gly Lys Ile Asn Gln Asn Tyr Ala Ser Ile Ile Thr Glu Ala Phe Pro
1   5   10   15

Lys Pro Lys Asp
            20

<210> 145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 145
Val Ser Arg Ala Ala Gln Met Ala Val Pro Ser Ser Arg Ile Leu Gln
1   5   10   15

Leu Ser Lys Pro
            20

<210> 146
<211> 20
<212> PRT
<213> Homo sapiens

<400> 146
Ser Ser Asp Arg Thr Ile Asn Leu Leu Glu Val Leu Pro Trp Pro Thr
1   5   10   15

Glu Trp Ile Phe
            20

<210> 147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 147
Asp Leu Asp Leu Thr Tyr Val Thr Glu Arg Ile Ile Ala Met Ser Phe
1   5   10   15

Pro Ser Ser Gly
            20

<210> 148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 148
Arg Lys Asp Gln Gly Phe Leu Glu Lys Glu Phe Tyr His Lys Thr Asn
1   5   10   15

Ile Lys Met Arg
            20

<210> 149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 149
Glu Glu Leu Gln Lys Val Gln Phe Glu Lys Val Ser Ala Leu Ala Asp
1   5   10   15

Leu Ser Ser Thr
            20

<210> 150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 150
Val Ile Met His Ser Arg Tyr Arg Ala Gln Arg Phe Trp Ser Trp Val
1   5   10   15

Gly Gln Ala Asn
            20

<210> 151
<211> 20

<212> PRT
<213> Homo sapiens

<400> 151
Lys Ile Met Leu Phe Phe Arg Ser Asn Pro Tyr Phe Gln Asn Lys Val
1   5   10   15

Ile Thr Lys Glu
            20

<210> 152
<211> 20
<212> PRT
<213> Homo sapiens

<400> 152
His Asn Arg Glu Ser Tyr Met Val Pro Phe Ile Pro Leu Tyr Arg Asn
1   5   10   15

Gly Asp Phe Phe
            20

<210> 153
<211> 20
<212> PRT
<213> Homo sapiens

<400> 153
Arg Gly Lys Lys Gly Ala Ala Thr Lys Met Ala Ala Val Thr Ala Pro
1   5   10   15

Glu Ala Glu Ser
            20

<210> 154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 154
Asn Lys Arg Tyr Phe Lys Leu Ser His Leu Gln Met His Ser Arg Lys
1   5   10   15

His Thr Gly Glu
            20

<210> 155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 155
Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln
1   5   10   15

Leu Arg Ser Gln
            20

<210> 156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 156
Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Val Leu Gly
1   5   10   15

Arg Glu Met Arg
            20

<210> 157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 157
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser
1   5   10   15

Leu Gln Pro Pro
            20

<210> 158
<211> 20
<212> PRT
<213> Homo sapiens

<400> 158
Met Ile Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser
1   5   10   15

Val Pro Pro Pro
            20

<210> 159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 159
Lys Ser Phe Lys Ser Pro Lys Leu Ala Lys His Ala Ala Val Phe Ser
1   5   10   15

Gly Asp Lys Thr
            20

<210> 160
<211> 20
<212> PRT
<213> Homo sapiens

<400> 160
Glu Leu Ala Ser Asn His Phe Leu Tyr Leu Pro Arg Asp Val Leu Ala
1   5   10   15

Gln Leu Pro Ser
            20

<210> 161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 161
Ser His Lys Thr Pro Phe Val Ser Pro Leu Leu Ala Ser Gln Ser Leu
1   5   10   15

Ser Ile Gly Asn
            20

<210> 162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 162
Asn Phe Ser Val Trp Leu Gly Ala Ser Val Val Ala His Leu Ser Thr

1 5 10 15

Tyr Gln Ser Glu
20

<210> 163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 163
Glu Ala Asn Glu Leu Leu His Thr Phe Leu Arg Trp Lys Thr Ser Tyr
1 5 10 15

Leu Val Leu Arg
20

<210> 164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 164
Ile Lys Val Lys Lys Leu Leu Phe Ser Lys His Leu Pro Val Phe Thr
1 5 10 15

Tyr Thr Asp Gln
20

<210> 165
<211> 20
<212> PRT
<213> Homo sapiens

<400> 165
Ser Gly Glu Lys Asn Ile Phe Leu Ala Ser Phe Val His Glu Tyr Ser
1 5 10 15

Arg Arg His Pro
20

<210> 166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 166
Ser Glu Gly Ile Met Thr Tyr Ala Asn Ser Val Val Ser Asp Met Met
1   5   10   15

Val Ser Ile Met
            20

<210> 167
<211> 20
<212> PRT
<213> Homo sapiens

<400> 167
Asp Gln Val Asn Ile Asp Tyr Leu Met Asn Arg Pro Gln Asn Leu Arg
1   5   10   15

Leu Glu Met Thr
            20

<210> 168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 168
Ser Thr Pro Pro Ser Ala Tyr Gly Ser Val Lys Ala Tyr Thr Asn Phe
1   5   10   15

Asp Ala Glu Arg
            20

<210> 169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 169
Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser
1   5   10   15

Trp Arg Leu Glu
            20

<210> 170

<211> 20
<212> PRT
<213> Homo sapiens

<400> 170
Thr Ala Leu Asp Val His Phe Val Ser Thr Leu Glu Pro Leu Ser Asn
1   5   10   15

Ala Val Lys Arg
            20

<210> 171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 171
Lys Glu Met Leu Ala Lys Lys His Phe Ser Tyr Ala Trp Pro Phe Tyr
1   5   10   15

Asn Pro Val Asp
            20

<210> 172
<211> 20
<212> PRT
<213> Homo sapiens

<400> 172
Ala Lys Tyr Ser Ser Val Tyr Met Glu Ala Glu Ala Thr Ala Leu Leu
1   5   10   15

Ser Asp Thr Ser
            20

<210> 173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 173
Glu Asn His Pro Lys Ser Met Thr Met Met Pro Ala Leu Phe Lys Glu
1   5   10   15

Asn Arg Asn Asp
            20

<210> 174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 174
Phe Ser Asn Lys Gly Lys Thr Leu Val Ile Gln Tyr Thr Val Lys His
1   5   10   15

Glu Gln Lys Met
            20

<210> 175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 175
Thr Val Phe Gly Glu Lys Ser Val Ile Thr Leu Ser Ser Ile Phe Thr
1   5   10   15

Lys Asp Leu Val
            20

<210> 176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 176
Thr Leu Ser Phe Pro Arg Tyr Asn Val Ala Glu Ile Val Ile His Ile
1   5   10   15

Arg Asn Lys Ile
            20

<210> 177
<211> 20
<212> PRT
<213> Homo sapiens

<400> 177
Pro Thr Ser Trp Ser Ser Ala Ile Gln Ser Trp Tyr Asp Glu Ile Leu
1   5   10   15

Asp Phe Val Tyr
20

<210> 178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 178
Ser Pro Ser Tyr Gln Lys Arg Gln Arg Met Ala Leu Leu Ala Arg Lys
1 5 10 15

Gln Gly Ala Gly
20

<210> 179
<211> 20
<212> PRT
<213> Homo sapiens

<400> 179
Asp Ala Leu Gln Lys Lys Tyr Leu Arg Met Val Val Leu Ala Val Tyr
1 5 10 15

Thr Asn Pro Glu
20

<210> 180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 180
Glu Glu Gly Asn Glu Ala Ala Asn Phe Asp Leu Ala Val Val Ala Arg
1 5 10 15

Arg Tyr Pro Ala
20

<210> 181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 181

Phe Leu Phe Gly Gly Asn Asn Phe Ile Gln Asn Phe Tyr Leu Pro Gln
1   5   10   15

Asn Tyr Ile Asp
            20

<210> 182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 182
Ala Leu Lys Lys Leu Ile His Ala Ala Lys Leu Asn Ala Ser Leu Lys
1   5   10   15

Thr Leu Glu Gly
            20

<210> 183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 183
Met Phe Thr Ser Ser Arg Met Ser Ser Phe Asn Arg His Met Lys Thr
1   5   10   15

His Thr Ser Glu
            20

<210> 184
<211> 20
<212> PRT
<213> Homo sapiens

<400> 184
Ser Ser Asp Ser Ser Met Leu Asp Ser Ala Thr Ser Leu Ile Gln Ala
1   5   10   15

Ala Lys Asn Leu
            20

<210> 185
<211> 20
<212> PRT

<213> Homo sapiens

<400> 185
Arg Asn Gly Val Ile Asp Tyr Thr Ile Phe Phe Thr Leu Asp Ser Val
1   5   10   15

Lys Leu Pro Asp
            20

<210> 186
<211> 20
<212> PRT
<213> Homo sapiens

<400> 186
Asp Leu Ser Arg Asp Ile Leu Asn Asn Phe Pro His Ser Ile Ala Arg
1   5   10   15

Gln Lys Arg Ile
            20

<210> 187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 187
Asp Lys Pro Val Leu Ala Ile Gln Val Leu Gly Thr Val Lys Trp Phe
1   5   10   15

Asn Val Arg Asn
            20

<210> 188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 188
Gly Gln Gly Ser Leu Leu Phe Tyr Asp Ile Arg Ala Gln Arg Phe Leu
1   5   10   15

Glu Glu Arg Leu
            20

<210> 189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 189
Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro Arg
1   5   10   15

Arg Arg Ser His
            20

<210> 190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 190
Ser Asp Ser Thr Tyr Tyr Ser Ser Phe Tyr Gln Pro Ser Leu Phe Pro
1   5   10   15

Tyr Tyr Asn Asn
            20

<210> 191
<211> 20
<212> PRT
<213> Homo sapiens

<400> 191
Met Leu Ala Ser Trp Ala Arg Ile Ala Ala Arg Ala Val Gln Pro Lys
1   5   10   15

Ala Leu Asn Ser
            20

<210> 192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 192
Pro Gly Gln Thr Leu Ile Tyr Tyr Val Asp Glu Lys Ala Pro Glu Phe
1   5   10   15

Ser Met Gln Gly

20

<210> 193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 193
Asp Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln Ala Leu Thr
1 5 10 15

Gln Glu Gly Gln
20

<210> 194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 194
Glu Lys Glu Lys Asp Val Arg Ser Leu Ser Lys Lys Arg Lys Lys Ser
1 5 10 15

Tyr Pro Asp Asp
20

<210> 195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 195
Lys Asn Leu Glu Leu Lys Phe Val Ser Ser Leu Arg Arg Gln Phe Glu
1 5 10 15

Phe Ser Val Asp
20

<210> 196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 196
Glu Val Met Arg Arg Gln Leu Tyr Ala Val Asn Arg Arg Leu Arg Ala
1 5 10 15

Leu Glu Glu Gln
            20

<210> 197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 197
Asn Leu Lys Val Asn Phe Phe Phe Glu Arg Ile Met Lys Tyr Glu Arg
1   5   10   15

Leu Ala Arg Ile
            20

<210> 198
<211> 20
<212> PRT
<213> Homo sapiens

<400> 198
Gln Ser Leu Glu Glu Asp Ser Ala Leu Glu Ala Leu Leu Asn Phe Phe
1   5   10   15

Phe Pro Thr Thr
            20

<210> 199
<211> 20
<212> PRT
<213> Homo sapiens

<400> 199
Lys Leu Gln Glu Leu Ser Ala Ala Ser Pro Thr Ile Ser Ser Phe Ser
1   5   10   15

Pro Arg Leu Glu
            20

<210> 200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 200
Leu Glu Leu Tyr Thr Ser Tyr Leu Tyr Leu Ser Met Ala Phe Tyr Phe
1   5   10   15

Asn Arg Asp Asp
            20

<210> 201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 201
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Tyr
1   5   10   15

Val Glu Pro Pro
            20

<210> 202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 202
Met Asn Leu Ser Arg Gly Lys Ser Thr Tyr Tyr Trp Pro Arg Pro Arg
1   5   10   15

Arg Tyr Val Gln
            20

<210> 203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 203
Met Ser Trp Arg Gly Arg Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg
1   5   10   15

Tyr Val Gln Pro
            20

<210> 204
<211> 20

<212> PRT
<213> Homo sapiens

<400> 204
Asp Arg Glu Lys Asp His Ile Phe Ser Ser Tyr Thr Ala Phe Gly Asp
1   5   10   15

Leu Glu Val Phe
            20

<210> 205
<211> 20
<212> PRT
<213> Homo sapiens

<400> 205
Gly Leu Tyr Tyr Lys Leu His Asn Ile Asn Arg Pro Leu Thr Met Lys
1   5   10   15

Lys Glu Gly Ile
            20

<210> 206
<211> 20
<212> PRT
<213> Homo sapiens

<400> 206
Glu Leu Ile Gln Lys Leu Lys Ser Phe Ile Ser Phe Tyr Ser Ala Leu
1   5   10   15

Pro Gly Tyr Ile
            20

<210> 207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 207
Val Leu Met Ala Val Val Leu Ala Ser Leu Ile Tyr Arg Arg Arg Leu
1   5   10   15

Met Lys Gln Asp
            20

<210> 208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 208
Ser Ala Thr Trp Pro His Ser Val His Arg Leu Ala Gln Ser Tyr Leu
1   5   10   15

Lys Glu Pro Met
            20

<210> 209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 209
Gly Ala Gly Lys Gly Lys Tyr Tyr Ala Val Asn Tyr Pro Leu Arg Asp
1   5   10   15

Gly Ile Asp Asp
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<210> 210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 210
Gly Ala Gly Lys Gly Lys Tyr Tyr Ala Val Asn Phe Pro Met Arg Asp
1   5   10   15

Gly Ile Asp Asp
            20

<210> 211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 211
Gln Glu Ala Phe Tyr Leu Thr Asp Arg Val Met Thr Val Ser Phe His
1   5   10   15

Lys Tyr Gly Asn
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<210> 212
<211> 20
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<213> Homo sapiens

<400> 212
Met Ala Ser Phe Arg Lys Leu Thr Leu Ser Glu Lys Val Pro Pro Asn
1   5   10   15

His Pro Ser Arg
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<210> 213
<211> 20
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<213> Homo sapiens

<400> 213
Gln Val Gln Gly Thr Val Thr Ile Arg Asn Ile Ser Ala Leu Ser Ser
1   5   10   15

Gly Leu Tyr Gln
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<210> 214
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<212> PRT
<213> Homo sapiens

<400> 214
Gln Leu Gln Asn Ile Val Lys Pro Leu Pro Pro Val Tyr Leu Thr Phe
1   5   10   15

Thr Arg Glu Ser
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<210> 215
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<213> Homo sapiens

<400> 215
Arg Gly His Tyr Glu Arg Ile Leu Asn Pro Tyr Asn Leu Phe Leu Ser

1 5 10 15

Gly Asp Ser Leu
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<210> 216
<211> 20
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<213> Homo sapiens

<400> 216
Tyr Glu Asn Asp Ile Ala Ser Met Asn Leu Gln Ala His Leu Ile Pro
1 5 10 15

Gly Leu Asn Leu
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<210> 217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 217
Ala Thr Val Leu Thr Asn Met Ala Met Gln Glu Pro Leu Arg Leu Asn
1 5 10 15

Ile Gln Asn His
20

<210> 218
<211> 20
<212> PRT
<213> Homo sapiens

<400> 218
Gly Ala Val Leu Lys Asp Phe Thr Val Ser Gly Asn Leu Leu Phe Met
1 5 10 15

Ser Val Arg Asp
20

<210> 219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 219
Trp Ala Ile Gly Leu Ser Val Met Asp Leu Val Gly Ser Ile Leu Lys
1   5   10   15

Asn Leu Arg Arg
            20

<210> 220
<211> 20
<212> PRT
<213> Homo sapiens

<400> 220
Leu Pro Ser Thr Arg Lys Leu Tyr Glu Lys Lys Leu Val Gln Leu Leu
1   5   10   15

Val Ser Pro Pro
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<210> 221
<211> 20
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<213> Homo sapiens

<400> 221
Ala Gln Phe Tyr Asn Asp Phe Val Asn Ile Ser Ser Ile Gly Leu Thr
1   5   10   15

Tyr Phe Gln Ser
            20

<210> 222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 222
Val Ser Ala Arg Val Arg Phe Phe Phe Pro Ser Leu Arg Glu Ala Ala
1   5   10   15

Leu Arg Glu Glu
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<210> 223

<211> 20
<212> PRT
<213> Homo sapiens

<400> 223
Leu Glu Ser Val Ile Arg Asn Tyr Glu Asp His Phe Pro Leu Leu Phe
1   5   10   15

Ser Glu Ala Ser
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<210> 224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 224
Tyr Ala Gly Arg Glu His Phe Leu Phe Gly Glu Pro Lys Arg Leu Leu
1   5   10   15

Thr Gln Asn Trp
            20

<210> 225
<211> 20
<212> PRT
<213> Homo sapiens

<400> 225
Ser Val Ile Arg Asn Phe Gln Asp Phe Phe Pro Val Ile Phe Ser Lys
1   5   10   15

Ala Ser Glu Tyr
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<210> 226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 226
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val
1   5   10   15

Glu Leu Val His
            20

<210> 227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 227
Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala
1   5   10   15

Ser Ser Ser Leu
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<210> 228
<211> 20
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<213> Homo sapiens

<400> 228
Glu Thr Ser Tyr Val Lys Val Leu Glu His Val Val Arg Val Asn Ala
1   5   10   15

Arg Val Arg Ile
            20

<210> 229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 229
Glu Ser Val Phe Arg Ala Ala Leu Ser Lys Lys Val Ala Asp Leu Ile
1   5   10   15

His Phe Leu Leu
            20

<210> 230
<211> 20
<212> PRT
<213> Homo sapiens

<400> 230
Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala
1   5   10   15

Ser Asp Ser Leu
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<210> 231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 231
Asp Gly Arg Glu His Ser Val Tyr Trp Lys Leu Arg Lys Leu Leu Thr
1   5   10   15

Gln Glu Trp Val
            20

<210> 232
<211> 20
<212> PRT
<213> Homo sapiens

<400> 232
Ala His Ala Glu Thr Ser Tyr Glu Lys Val Ile Asn Tyr Leu Val Met
1   5   10   15

Leu Asn Ala Arg
            20

<210> 233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 233
Thr Glu Glu Glu Ile Trp Lys Phe Met Asn Val Leu Gly Ala Tyr Asp
1   5   10   15

Gly Glu Glu His
            20

<210> 234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 234

Gln Phe Leu Trp Gly Pro Arg Ala Tyr Ala Glu Thr Ser Lys Met Lys
1   5   10   15

Val Leu Glu Phe
            20

<210> 235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 235
Thr Asn Lys Lys Lys Val Ser Phe Ser Ser Pro Leu Ile Leu Gly Ala
1   5   10   15

Thr Ile Gln Lys
            20

<210> 236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 236
Ser Leu Thr Arg Lys Thr Lys Met Leu Val Gln Phe Leu Leu Tyr Lys
1   5   10   15

Tyr Lys Met Lys
            20

<210> 237
<211> 20
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<213> Homo sapiens

<400> 237
Gly Pro Arg Ala Tyr Ala Glu Thr Thr Lys Met Arg Val Leu Arg Val
1   5   10   15

Leu Ala Asp Ser
            20

<210> 238
<211> 20
<212> PRT

<213> Homo sapiens

<400> 238
Asn Pro Ala Ser Ser Phe Phe Ser Ser Ala Leu Leu Ser Ile Phe Gln
1   5   10   15

Ser Ser Pro Glu
            20

<210> 239
<211> 20
<212> PRT
<213> Homo sapiens

<400> 239
Ser Ser Ala Ser Ser Thr Leu Tyr Leu Val Phe Ser Pro Ser Ser Phe
1   5   10   15

Ser Thr Ser Ser
            20

<210> 240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 240
Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser Pro Pro
1   5   10   15

Pro Tyr Ser Pro
            20

<210> 241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 241
Asp Asp Pro Gln Lys Phe Ala Met Glu Leu Ser Ile Ile Tyr Lys Tyr
1   5   10   15

Ser Pro Phe Lys
            20

<210> 242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 242
Tyr Glu Gln Ala Asn Leu Asn Met Ala Asn Ser Ile Lys Phe Ser Val
1   5   10   15

Trp Val Ser Phe
            20

<210> 243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 243
Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala
1   5   10   15

Phe Arg Glu Gly
            20

<210> 244
<211> 20
<212> PRT
<213> Homo sapiens

<400> 244
His Arg Leu Phe His Trp Gln Ala Asn Ser Glu Arg Ala Asp Ile Pro
1   5   10   15

Ala Ser Leu Arg
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<210> 245
<211> 20
<212> PRT
<213> Homo sapiens

<400> 245
Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln Val Ile Glu
1   5   10   15

Leu Glu Arg Lys

20

<210> 246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 246
Gly Ile Asn Asn Val Ser Phe Ser Gly Gln Ser Val Leu Leu Phe Glu
1 5 10 15

Val Leu Phe Tyr
20

<210> 247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 247
Ile Pro His Leu Phe Ser Tyr Ser Gly His Ser Pro Leu Leu Pro Gln
1 5 10 15

Gln Ala Arg Ser
20

<210> 248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 248
Gln Glu Met Val Gln Ala Phe Ser Ala Gln Ser Gly Met Lys Leu Glu
1 5 10 15

Trp Ser Gln Lys
20

<210> 249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 249
Ser Val Val Ala Lys Leu Leu Ser His Gly Ala Val Ile Glu Val His
1 5 10 15

Asn Lys Ala Ser
20

<210> 250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 250
Asn Ala Glu Asp Trp Asn Leu Tyr Trp Arg Thr Ser Ser Phe Arg Met
1 5 10 15

Thr Glu His Asn
20

<210> 251
<211> 20
<212> PRT
<213> Homo sapiens

<400> 251
Ala Met Pro Phe Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser
1 5 10 15

Leu Ala Gln Asp
20

<210> 252
<211> 20
<212> PRT
<213> Homo sapiens

<400> 252
Leu Arg Pro Ser Leu Arg Ser Leu Glu Arg Lys Ala Ile Arg Ala Ile
1 5 10 15

Glu Asp Glu Lys
20

<210> 253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 253
Gly Asp Gly Pro Tyr Ser Thr Phe Leu Thr Ser Ser Pro Ile Arg Ser
1   5   10   15

Arg Ser Pro Pro
            20

<210> 254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 254
Asp Val Arg Val Thr Lys Phe Lys Ala Pro Gln Tyr Thr Met Ala Ala
1   5   10   15

Arg Val Glu Pro
            20

<210> 255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 255
Leu Gly Gln Asp Gly Arg Leu Leu Ser Ser Thr Leu Ser Leu Ser Ser
1   5   10   15

Asn Arg Ser Leu
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<210> 256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 256
Arg Ser Leu Gly Ala Val Val Phe Ser Arg Val Thr Asn Asn Val Val
1   5   10   15

Leu Glu Ala Pro
            20

<210> 257
<211> 20

<212> PRT
<213> Homo sapiens

<400> 257
Asn Asp Gln Glu Ser Ser Gln Pro Val Gly Ser Val Ile Val Gln Glu
1   5   10   15

Pro Thr Glu Glu
            20

<210> 258
<211> 20
<212> PRT
<213> Homo sapiens

<400> 258
Met Ser Ala Arg Val Arg Ser Arg Ser Arg Gly Arg Gly Asp Gly Gln
1   5   10   15

Glu Ala Pro Asp
            20

<210> 259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 259
Arg Gly Asn Asp Gln Glu Ser Ser Gln Pro Val Gly Pro Val Ile Val
1   5   10   15

Gln Gln Pro Thr
            20

<210> 260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 260
Ser Ser Gln Arg Lys Leu Asn Trp Ile Pro Ser Phe Pro Thr Tyr Asp
1   5   10   15

Tyr Phe Asn Gln
            20

<210> 261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 261
Leu Thr Leu Trp Glu Met Met Thr Leu Ser Ile Pro His Ile Asn Leu
1   5   10   15

Ser Asn Asp Asp
            20

<210> 262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 262
Gly Trp Glu Glu Ala Tyr Thr Phe Glu Gly Ala Arg Tyr Tyr Ile Asn
1   5   10   15

His Asn Glu Arg
            20

<210> 263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 263
Asn Ser Leu Ile Gln Asn Leu Phe Lys Val Thr Pro Ala Met Gly Met
1   5   10   15

Gln Met Arg Lys
            20

<210> 264
<211> 20
<212> PRT
<213> Homo sapiens

<400> 264
Leu Val Gly Arg Asn Phe Tyr Asp Pro Thr Ser Ala Met Val Leu Gln
1   5   10   15

Gln His Arg Leu
            20

<210> 265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 265
Leu Arg Tyr Tyr Asn Ile Leu Phe Arg Arg Thr Phe Lys Leu Leu Asp
1   5   10   15

Phe Glu Gln Val
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<210> 266
<211> 20
<212> PRT
<213> Homo sapiens

<400> 266
Tyr Ile Pro Asp Leu Ala Ser Arg Arg Leu Arg Ile Ala Leu Leu Tyr
1   5   10   15

Ser His Ser Glu
            20

<210> 267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 267
Gly Ile Arg Ala Lys Ala Val Ser Gln Asp Met Val Ile Tyr Ser Thr
1   5   10   15

Glu Ile His Tyr
            20

<210> 268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 268
Ser Pro Glu Lys Glu Glu Gln Tyr Ile Ala Gln Phe Thr Ser Gln Phe

1 5 10 15

Leu Ser Leu Gln
20

<210> 269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 269
Asp Phe Lys Arg Ala Asn Met Asp Asn Asp Ile Ala Leu Leu Leu Leu
1 5 10 15

Ala Ser Pro Ile
20

<210> 270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 270
Gln Ser Gly Ala Ala Val Val His Glu Ile Val Arg Ser Phe Gly Thr
1 5 10 15

Leu Lys Lys Glu
20

<210> 271
<211> 20
<212> PRT
<213> Homo sapiens

<400> 271
Val Val Arg Leu Ser Ser Tyr Ser Ser Pro Thr Leu Gln Ser Val Leu
1 5 10 15

Gly Ser Gly Thr
20

<210> 272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 272
Gln Leu Glu Pro Asp Tyr Phe Lys Asp Met Thr Pro Thr Ile Arg Lys
1   5   10   15

Thr Gln Lys Ile
            20

<210> 273
<211> 20
<212> PRT
<213> Homo sapiens

<400> 273
Arg Gln Phe Val Glu Phe Thr Ile Lys Glu Ala Ala Arg Phe Lys Lys
1   5   10   15

Val Val Leu Ile
            20

<210> 274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 274
Lys Glu Leu Glu Glu Leu Arg Ala Ala Phe Thr Arg Ala Leu Glu Tyr
1   5   10   15

Leu Lys Gln Glu
            20

<210> 275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 275
Gln His Lys Ile Ala Glu Met Val Ala Leu Met Glu Lys His Lys His
1   5   10   15

Gln Tyr Asp Lys
            20

<210> 276

<211> 20
<212> PRT
<213> Homo sapiens

<400> 276
Met Glu Thr Gln Gln Gln Glu Ile Ala Ser Val Arg Lys Ser Leu Gln
1   5   10   15

Ser Met Leu Phe
            20

<210> 277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 277
Asp Ser Glu Phe Phe Leu Thr Thr Ala Ser Gly Val Ser Val Leu Pro
1   5   10   15

Gln Asn Arg Ser
            20

<210> 278
<211> 20
<212> PRT
<213> Homo sapiens

<400> 278
Glu Ile Ser Ile Leu Gln Glu Gln Ile Ser His Leu Gln Phe Val Ile
1   5   10   15

His Ser Gln His
            20

<210> 279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 279
Lys Lys His Arg Tyr Leu Arg Leu Leu Pro Glu Ala Leu Ile Arg Phe
1   5   10   15

Gly Gly Phe Arg
            20

<210> 280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 280
Ser Glu Pro His Ile Lys Arg Pro Met Asn Ala Phe Met Val Trp Ala
1   5   10   15

Lys Asp Glu Arg
            20

<210> 281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 281
Lys Glu Glu Val Ala Ala Val Lys Ile Gln Ala Ala Phe Arg Gly His
1   5   10   15

Ile Ala Arg Glu
            20

<210> 282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 282
Tyr Tyr Thr Arg Ser Ile Ser Ala Leu Pro Thr Val Val Ala Tyr Asn
1   5   10   15

Asn Arg Ala Gln
            20

<210> 283
<211> 20
<212> PRT
<213> Homo sapiens

<400> 283
Arg Glu Glu Ala Gln Lys Met Ser Ser Leu Leu Pro Thr Met Trp Leu
1   5   10   15

Gly Ala Gln Asn
            20

<210> 284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 284
Asn Pro Leu Gln Met Glu Glu Glu Glu Phe Met Glu Ile Met Val Glu
1   5   10   15

Ile Pro Ala Lys
            20

<210> 285
<211> 20
<212> PRT
<213> Homo sapiens

<400> 285
Lys Gly Val Gly Leu Pro Phe Leu Pro Ile Thr Ser Ser Asp Ile Asp
1   5   10   15

Val Val Glu Ser
            20

<210> 286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 286
Lys Ser Ala Gln Lys Phe Ser Leu Ile Leu Lys Ile Leu Ser Met Ile
1   5   10   15

Tyr Lys Leu Val
            20

<210> 287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 287

Glu Lys Ile Ser Tyr Val Tyr Met Lys Arg Asn Tyr Lys Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 288
Glu Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Phe Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 289
Glu Lys Ile Val Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 290
<211> 20
<212> PRT
<213> Homo sapiens

<400> 290
Val Glu Arg Pro Gln Met Thr Phe Gly Ser Leu Gln Arg Ile Phe Pro
1   5   10   15

Lys Ile Met Pro
            20

<210> 291
<211> 20
<212> PRT

<213> Homo sapiens

<400> 291
Glu Lys Ile Ile Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 292
<211> 20
<212> PRT
<213> Homo sapiens

<400> 292
Gln Pro Phe Leu Lys Asp His Arg Ile Ser Thr Phe Lys Asn Trp Pro
1   5   10   15

Phe Leu Glu Gly
            20

<210> 293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 293
Glu Pro Arg Val Glu Val Leu Ile Asn Arg Ile Asn Glu Val Gln Gln
1   5   10   15

Ala Lys Lys Lys
            20

<210> 294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 294
Asn Leu Thr Leu Lys Asn His Phe Gln Ser Val Leu Glu Gln Leu Glu
1   5   10   15

Leu Gln Glu Lys
            20

<210> 295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 295
Ala Glu Asp Thr Arg Leu Phe Ala Pro Ser Ile Lys Ala Arg Phe Pro
1   5   10   15

Ala Glu Thr Tyr
            20

<210> 296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 296
Asn Leu Glu Pro Leu Val Ser Arg Asp Pro Pro Ala Ser Ala Ser Leu
1   5   10   15

Phe Gln Asp Thr
            20

<210> 297
<211> 20
<212> PRT
<213> Homo sapiens

<400> 297
Trp Ala Glu Arg Ile Met Phe Ser Asp Leu Arg Ser Leu Gln Leu Lys
1   5   10   15

Lys Thr Met Glu
            20

<210> 298
<211> 20
<212> PRT
<213> Homo sapiens

<400> 298
Thr Leu Gln Glu Ile Phe Gln Ala Glu Asn Thr Ile Met Leu Leu Glu
1   5   10   15

Arg Ser Ile Met

20

<210> 299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 299
Asn Asp Lys Asp Ser Leu Ser Gln Phe Trp Glu Phe Ser Glu Thr Thr
1 5 10 15

Ala Ser Thr Val
20

<210> 300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 300
Lys Ser Asp Ile Tyr Ser Phe Ser Met Ile Met Gln Glu Ile Leu Thr
1 5 10 15

Asp Asp Ile Pro
20

<210> 301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 301
Thr Leu Val Glu Leu Gln Met Met Met Glu Thr Ile Gln Phe Ile Glu
1 5 10 15

Asn Lys Lys Arg
20

<210> 302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 302
Val Thr Lys Lys Val Val Ala Ser Pro Arg Ile Ile Ser Leu Ala Lys
1 5 10 15

Pro Lys Val Arg
            20

<210> 303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 303
Arg Arg Thr Pro Thr Thr Ser Ser Asp Arg Thr Ile Asn Leu Leu Glu
1   5   10   15

Val Leu Pro Trp
            20

<210> 304
<211> 20
<212> PRT
<213> Homo sapiens

<400> 304
Ser Lys Ile Lys Lys Ile Val His Ser Ile Val Ser Ser Phe Ala Phe
1   5   10   15

Gly Leu Phe Gly
            20

<210> 305
<211> 20
<212> PRT
<213> Homo sapiens

<400> 305
Met Trp Met Gly Leu Ile Gln Leu Val Glu Gly Val Lys Arg Lys Asp
1   5   10   15

Gln Gly Phe Leu
            20

<210> 306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 306
Arg Gln Asn Tyr Ser Ser Asn Ala Tyr His Met Ser Ser Thr Met Lys
1   5   10   15

Pro Asn Thr Lys
            20

<210> 307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 307
Ser Ser Arg Pro Arg Leu Leu Trp Gln Thr Pro Thr Thr Gln Thr Leu
1   5   10   15

Pro Ser Thr Thr
            20

<210> 308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 308
Asp Glu Asp Glu Asp Met Leu Ser Tyr Met Val Ser Leu Glu Val Gly
1   5   10   15

Glu Glu Lys His
            20

<210> 309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 309
His Asn Ala Leu His Ile Tyr Met Asn Gly Thr Met Ser Gln Val Gln
1   5   10   15

Gly Ser Ala Asn
            20

<210> 310
<211> 20

<212> PRT
<213> Homo sapiens

<400> 310
Val Ala Lys Lys Gly Lys Ala Val Arg Arg Gly Arg Arg Gly Lys Lys
1   5   10   15

Gly Ala Ala Thr
            20

<210> 311
<211> 20
<212> PRT
<213> Homo sapiens

<400> 311
Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
1   5   10   15

Tyr Leu Pro Ser
            20

<210> 312
<211> 20
<212> PRT
<213> Homo sapiens

<400> 312
Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser
1   5   10   15

Arg Gln Lys Lys
            20

<210> 313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 313
Pro Arg Arg Ser Leu Gln Pro Pro Glu Leu Ile Gly Ala Met Leu Glu
1   5   10   15

Pro Thr Asp Glu
            20

<210> 314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 314
Gly Arg Ala Phe Asn Leu Asn Ser His Leu Ile Arg His Gln Arg Ile
1   5   10   15

His Thr Arg Glu
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<210> 315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 315
Asp Gly Arg Leu Arg Leu Ala Arg Leu Ala Leu Val Leu Leu Gly Trp
1   5   10   15

Val Ser Ser Ser
            20

<210> 316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 316
Arg Asn Gln Asn Pro Gly Ser Leu Leu Gln Leu Pro His Thr Glu Ala
1   5   10   15

Leu Leu Val Leu
            20

<210> 317
<211> 20
<212> PRT
<213> Homo sapiens

<400> 317
Asp Arg Lys Lys Met Leu Glu Ile Leu Phe Glu Leu Leu His Val Pro
1   5   10   15

Ser Val Leu Leu
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<210> 318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 318
Arg Arg Tyr Ile Glu Asn Ile Tyr His Ser Lys Pro Met Arg Trp Pro
1   5   10   15

Phe Phe Leu Phe
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<210> 319
<211> 20
<212> PRT
<213> Homo sapiens

<400> 319
Glu Ile Lys Pro Leu Ala Phe Ser Thr Thr Phe Glu His Leu Val Tyr
1   5   10   15

Lys Met Asp Ser
            20

<210> 320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 320
Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala Tyr
1   5   10   15

Thr Lys Lys Ala
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<210> 321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 321
Ser Val Val Ser Asp Met Met Val Ser Ile Met Lys Thr Leu Lys Ile

1 5 10 15

Gln Val Lys Asp
20

<210> 322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 322
Leu Asp Ser Gln Lys Met Asp Met Ser Asn Ile Val Leu Met Leu Ile
1 5 10 15

Gln Lys Leu Leu
20

<210> 323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 323
Arg Asp Lys Val Leu Ile Arg Ile Met Val Ser Arg Ser Glu Val Asp
1 5 10 15

Met Leu Lys Ile
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<210> 324
<211> 20
<212> PRT
<213> Homo sapiens

<400> 324
Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser Trp Arg Leu
1 5 10 15

Glu Pro Glu Asp
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<210> 325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 325
Phe Val Gln Asn Thr Leu Thr Lys Leu Leu Lys Asp Arg Arg Lys Met
1   5   10   15

Gln Thr Val Gln
            20

<210> 326
<211> 20
<212> PRT
<213> Homo sapiens

<400> 326
Leu Lys Asp Leu Trp Lys His Ser Phe Ser Trp Pro Phe Gln Arg Pro
1   5   10   15

Val Asp Ala Val
            20

<210> 327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 327
Gln Ala Asp Ile Glu Val Met Ser Thr Val His Ile Ser Ser Val Tyr
1   5   10   15

Asn Asp Val Pro
            20

<210> 328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 328
Ser Arg Leu Glu Lys Leu Leu Thr Gln Val Arg Asn Leu Gln Phe Met
1   5   10   15

Ser Glu Asn Glu
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<210> 329

<211> 20
<212> PRT
<213> Homo sapiens

<400> 329
His Leu Tyr Thr Leu Ile Leu Arg Pro Asp Leu Ser Tyr Asp Val Lys
1   5   10   15

Ile Asp Gly Gln
            20

<210> 330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 330
Asn Ser Pro Thr Ser Leu Leu Ile Tyr Lys Asp Ala Pro Ala Phe Asn
1   5   10   15

Glu Lys Ala Ser
            20

<210> 331
<211> 20
<212> PRT
<213> Homo sapiens

<400> 331
Arg Glu Thr Tyr Met Glu Phe Leu Trp Gln Tyr Lys Ser Ser Ala Asp
1   5   10   15

Lys Met Gln Gln
            20

<210> 332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 332
Gly Glu Asn Leu Tyr Met Ser Ser Asp Pro Thr Ser Trp Ser Ser Ala
1   5   10   15

Ile Gln Ser Trp
            20

<210> 333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 333
Gly Gln Lys Tyr Glu Lys Ile Phe Glu Met Leu Glu Gly Val Gln Gly
1   5   10   15

Pro Thr Ala Val
            20

<210> 334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 334
Tyr Gln Phe Lys Phe Lys Tyr Thr Asn Asn Gly Pro Leu Met Asp Phe
1   5   10   15

Ile Ser Lys Asn
            20

<210> 335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 335
Leu Gly Glu Glu Glu Gly Glu Gln Ala Ala Gly Leu Ala Ala Val Pro
1   5   10   15

Arg Gly Gly Ser
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<210> 336
<211> 20
<212> PRT
<213> Homo sapiens

<400> 336
Gln Asn Phe Tyr Leu Pro Gln Asn Tyr Ile Asp Gln Phe Leu Leu Thr
1   5   10   15

Ser Phe Pro Thr
            20

<210> 337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 337
Leu Tyr Val Arg Arg Glu Lys Lys Phe Ala Val Ala Leu Ser Gly Leu
1   5   10   15

Ile Glu Glu Lys
            20

<210> 338
<211> 20
<212> PRT
<213> Homo sapiens

<400> 338
Thr Glu Arg Leu Leu Lys Met Lys Asp Trp Ala Ala Met Leu Gly Glu
1   5   10   15

Asp Ile Thr Asp
            20

<210> 339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 339
Ser Glu Ala Val Glu Leu Gln Asp Met Ser Leu Leu Ser Ile Gln Gln
1   5   10   15

Gln Glu Gly Val
            20

<210> 340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 340

Ser Val Lys Arg Gly Thr Met Val Arg Ala Ala Arg Ala Leu Leu Ser
1   5   10   15

Ala Val Thr Arg
            20

<210> 341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 341
Ser Asn Ser Ile Tyr Phe Ser Ile Ala Ile Val Ser Glu Asp Phe Val
1   5   10   15

Pro Tyr Lys Gly
            20

<210> 342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 342
Ile Val Phe Trp Lys Tyr Arg Arg Phe Gln Arg Asn Thr Gly Glu Met
1   5   10   15

Ser Ser Asn Ser
            20

<210> 343
<211> 20
<212> PRT
<213> Homo sapiens

<400> 343
Asp Thr Lys Glu Asp Val Phe Val His Gln Thr Ala Ile Lys Arg Asn
1   5   10   15

Asn Pro Arg Lys
            20

<210> 344
<211> 20
<212> PRT

<213> Homo sapiens

<400> 344
Val Lys Arg Ser Leu Val Tyr Tyr Leu Lys Asn Arg Glu Val Arg Leu
1   5   10   15

Gln Asn Glu Thr
            20

<210> 345
<211> 20
<212> PRT
<213> Homo sapiens

<400> 345
Gly Leu Thr Gly Leu Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe
1   5   10   15

Leu Lys Gly Asn
            20

<210> 346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 346
Met Glu Asn Arg His Ala Met Ser Ser Gln Tyr Arg Met His Ser Tyr
1   5   10   15

Tyr Pro Pro Pro
            20

<210> 347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 347
Val Asp Asp Glu Glu Ser Val Ile Leu Thr Leu Val Pro Val Lys Asp
1   5   10   15

Asp Ala Asn Met
            20

<210> 348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 348
Val Val Ala Gly Ile Val Val Leu Val Ile Ser Arg Lys Lys Arg Met
1   5   10   15

Ala Lys Tyr Glu
            20

<210> 349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 349
Gly Ile Met Gly Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly
1   5   10   15

Val Ile Ser Lys
            20

<210> 350
<211> 20
<212> PRT
<213> Homo sapiens

<400> 350
Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met Ala Arg Trp Arg Gly
1   5   10   15

Pro Thr Gln Ser
            20

<210> 351
<211> 20
<212> PRT
<213> Homo sapiens

<400> 351
Asn Gly Ser Val Ala Ser Tyr Ile Leu Ala Ser His Asn Gly Ile Ser
1   5   10   15

Tyr Lys Asp Leu

20

<210> 352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 352
Ser Ala Lys Arg Val Trp Asn Met Thr Ala Thr Arg Pro Lys Lys Met
1 5 10 15

Gly Ser Gln Leu
20

<210> 353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 353
Ser Pro Gln Phe Lys Lys Thr Met Ser Thr Phe His Asn Leu Val Ser
1 5 10 15

Leu Asn Leu Asn
20

<210> 354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 354
Arg Glu Ser Leu Lys Met Arg Val Ser Lys Pro Phe Gly Met Leu Met
1 5 10 15

Leu Ser Ile Trp
20

<210> 355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 355
Arg Pro Gly Ser Arg Ser Ser Asn Ala Ser Leu Glu Val Leu Ser Thr
1 5 10 15

Glu Pro Gly Ser
            20

<210> 356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 356
Asp Asp Val Ala Leu Glu Asn Phe Phe Arg Tyr Phe Leu Arg Leu Ser
1   5   10   15

Asp Asp Lys Met
            20

<210> 357
<211> 20
<212> PRT
<213> Homo sapiens

<400> 357
Arg Gly Arg Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val Gln
1   5   10   15

Pro Pro Glu Met
            20

<210> 358
<211> 20
<212> PRT
<213> Homo sapiens

<400> 358
Asp Ser Gly Ile Ser Val Asp Ser Asn Phe Gln Tyr Gly Trp Thr Pro
1   5   10   15

Leu Met Tyr Ala
            20

<210> 359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 359
Pro Gly Leu Ser His Ser Tyr Met Asp Ala Ala Gln Tyr Pro Leu Pro
1   5   10   15

Glu Glu Val Asp
            20

<210> 360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 360
Glu Gln Leu Leu Gln Ser Ala Ser Met Glu Leu Lys Phe Leu Ile Ile
1   5   10   15

Gln Asn Ala Ala
            20

<210> 361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 361
Thr Leu Ile Gly Ala Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro
1   5   10   15

Gly Ser Gln Lys
            20

<210> 362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 362
Asp Arg Gln Thr Val Met Thr Ser Ala Thr Trp Pro His Ser Val His
1   5   10   15

Arg Leu Ala Gln
            20

<210> 363
<211> 20

<212> PRT
<213> Homo sapiens

<400> 363
Glu Glu Ala Phe Tyr Thr Thr Asp Arg Val Met Thr Val Ser Phe His
1   5   10   15

Lys Tyr Gly Glu
            20

<210> 364
<211> 20
<212> PRT
<213> Homo sapiens

<400> 364
Ser Glu Tyr Phe Glu Tyr Phe Ala Pro Asp Phe Thr Leu His Pro Asp
1   5   10   15

Val Ser Thr Arg
            20

<210> 365
<211> 20
<212> PRT
<213> Homo sapiens

<400> 365
Ala Thr Gln Arg Asp Leu Ile Ala Thr Gln Arg Asp Leu Ile Val Thr
1   5   10   15

Gln Arg Asp Leu
            20

<210> 366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 366
Asn Gln Pro Glu Gln Val Ile Leu Tyr Gln Gly Gly Gln Met Phe Asp
1   5   10   15

Gly Ala Pro Arg
            20

<210> 367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 367
Glu Gly Glu Asp Leu Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro
1   5   10   15

Phe Gly Phe Ile
            20

<210> 368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 368
Thr Leu Asp Asp Leu Tyr Pro Met Met Asn Ala Leu Lys Leu Arg Ala
1   5   10   15

Glu Ser Tyr Asn
            20

<210> 369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 369
Gln His Ile Lys Gln Leu Ser Arg Phe Ala Gly Ala Ser Ile Lys Ile
1   5   10   15

Ala Pro Ala Glu
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<210> 370
<211> 20
<212> PRT
<213> Homo sapiens

<400> 370
Asp Pro Asp Phe Ser Met Tyr Val Tyr Glu Val Thr Lys Ser Ile Leu
1   5   10   15

Pro Ile Thr Asn
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<210> 371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 371
His Ile Thr Met Pro Phe Ser Ser Pro Met Glu Ala Glu Leu Val Arg
1 5 10 15

Arg Ile Leu Ser
20

<210> 372
<211> 20
<212> PRT
<213> Homo sapiens

<400> 372
Thr Ser Gly Lys Asp Tyr Ser Val Ser Ala Asn Ser Arg Ile Val Ile
1 5 10 15

Val Thr Ala Gly
20

<210> 373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 373
Pro Ser Lys Gly Arg Arg Trp Ala Ala Arg Ala Pro Ser Thr Arg Ile
1 5 10 15

Thr Tyr Gly Thr
20

<210> 374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 374
Pro Asp Lys Thr Met Met Asp Gly Ser Phe Ser Phe Lys Leu Leu Asn

1 5 10 15

Gln Leu Gly Met
20

<210> 375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 375
Arg Ala Leu Ala Glu Thr Ser Tyr Val Lys Val Leu Glu Tyr Val Ile
1 5 10 15

Lys Val Ser Ala
20

<210> 376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 376
Asp Glu Lys Val Thr Asp Leu Val Gln Phe Leu Leu Phe Lys Tyr Gln
1 5 10 15

Met Lys Glu Pro
20

<210> 377
<211> 20
<212> PRT
<213> Homo sapiens

<400> 377
Asp Lys Ile Ile Asp Leu Val His Leu Leu Leu Arg Lys Tyr Arg Val
1 5 10 15

Lys Gly Leu Ile
20

<210> 378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 378
Pro Asp Leu Glu Thr Ser Phe Gln Val Ala Leu Ser Arg Lys Met Ala
1   5   10   15

Glu Leu Val His
            20

<210> 379
<211> 20
<212> PRT
<213> Homo sapiens

<400> 379
Pro Gln Gly Ala Ser Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp
1   5   10   15

Arg Gln Ser Asp
            20

<210> 380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 380
Leu Ser Arg Lys Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr
1   5   10   15

Arg Ala Arg Glu
            20

<210> 381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 381
Thr Thr Glu Glu Gln Glu Ala Ala Val Ser Ser Ser Ser Pro Leu Val
1   5   10   15

Pro Gly Thr Leu
            20

<210> 382

<211> 20
<212> PRT
<213> Homo sapiens

<400> 382
Thr Thr Glu Glu Gln Glu Ala Val Ser Ser Ser Ser Pro Leu Val Pro
1   5   10   15

Gly Thr Leu Gly
            20

<210> 383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 383
Gln Ala Ala Leu Ser Arg Lys Val Ala Lys Leu Val His Phe Leu Leu
1   5   10   15

Leu Lys Tyr Arg
            20

<210> 384
<211> 20
<212> PRT
<213> Homo sapiens

<400> 384
Glu Ala Leu Asp Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu Arg
1   5   10   15

Lys Tyr Gln Ile
            20

<210> 385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 385
Val Ile Lys Asn Tyr Lys Arg Tyr Phe Pro Val Ile Phe Gly Lys Ala
1   5   10   15

Ser Glu Phe Met
            20

<210> 386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 386
Asn Ser Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala Tyr
1   5   10   15

Ala Glu Thr Thr
            20

<210> 387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 387
Phe Pro Glu Ile Leu Lys Lys Ala Ser Glu Gly Leu Ser Val Val Phe
1   5   10   15

Gly Leu Glu Leu
            20

<210> 388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 388
Tyr Asp Gly Lys Lys His Phe Ile Phe Gly Glu Pro Arg Lys Leu Ile
1   5   10   15

Thr Gln Asp Leu
            20

<210> 389
<211> 20
<212> PRT
<213> Homo sapiens

<400> 389
Asn Ser Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala His
1   5   10   15

Ala Glu Thr Ser
            20

<210> 390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 390
Gly Leu Tyr Pro His Leu Tyr Glu Asp Ala Leu Ile Asp Glu Val Glu
1   5   10   15

Arg Ala Leu Arg
            20

<210> 391
<211> 20
<212> PRT
<213> Homo sapiens

<400> 391
Glu Val Asp Pro Asp Asp Ser Tyr Val Phe Val Asn Thr Leu Asp Leu
1   5   10   15

Thr Ser Glu Gly
            20

<210> 392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 392
Gly Arg Glu His Phe Val Tyr Gly Glu Pro Arg Glu Leu Leu Thr Lys
1   5   10   15

Val Trp Val Gln
            20

<210> 393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 393

Glu Asp Phe Pro Ala Arg Trp Ser Phe Arg Ala Tyr Thr Ser Val Leu
1   5   10   15

Tyr Phe Asn Pro
            20

<210> 394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 394
Ala Asp Ile Lys Lys Gln Ala Glu Ile Ala His Leu Tyr Ile Ala Ser
1   5   10   15

Leu Pro Asp Pro
            20

<210> 395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 395
Ser Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser
1   5   10   15

His Ser Pro Gly
            20

<210> 396
<211> 20
<212> PRT
<213> Homo sapiens

<400> 396
Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln Leu Ser
1   5   10   15

Ser Glu Leu Gly
            20

<210> 397
<211> 20
<212> PRT

<213> Homo sapiens

<400> 397
Gln Pro Glu Arg Leu Leu Phe Val Ile Asp Ser Phe Glu Glu Leu Gln
1   5   10   15

Gly Gly Leu Asn
            20

<210> 398
<211> 20
<212> PRT
<213> Homo sapiens

<400> 398
Met Lys Ala Ile Asn Phe Leu Asn Gln Asp Ile Arg Gly Leu Thr Ser
1   5   10   15

Ala Ser Gln Leu
            20

<210> 399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 399
Ala Ser Pro Gln Glu Thr Gln Ser Ala Phe Ser Ile Pro Val Ser Thr
1   5   10   15

Leu Ser Ser Ser
            20

<210> 400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 400
His His Ile His Glu Gln Ile Met Glu Tyr Ile Arg Lys Leu Ser Lys
1   5   10   15

Asn His Gln Asn
            20

<210> 401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 401
Ser Arg His Thr Pro His Lys Thr Leu Met Pro Tyr Ala Ser Leu Phe
1   5   10   15

Gln Ser His Ser
            20

<210> 402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 402
Glu Ala Glu Leu Ala Arg Arg Ser Leu Ala Gln Asp Ala Pro Pro Leu
1   5   10   15

Pro Val Pro Gly
            20

<210> 403
<211> 20
<212> PRT
<213> Homo sapiens

<400> 403
Ser Thr Asn Arg Ser Met Gln Asn Tyr Val Gln Phe Leu Lys Ser Ser
1   5   10   15

Tyr Ala Asn Val
            20

<210> 404
<211> 20
<212> PRT
<213> Homo sapiens

<400> 404
Ser Ala Pro Ser His Ser Ile Ser Ala Arg Thr Lys Ala Phe Arg Val
1   5   10   15

Asp Ser Thr Pro

20

<210> 405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 405
Arg Trp Pro Val Asp Val Ser Asn Arg Ile His Thr Ser Ala His Val
1 5 10 15

Met Ser Met Gly
20

<210> 406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 406
Ser Arg Val Thr Asn Asn Val Val Leu Glu Ala Pro Phe Leu Val Gly
1 5 10 15

Ile Glu Gly Ser
20

<210> 407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 407
Gln Ala Val Pro Ala Phe Gln Gly Pro Asp Met Glu Ala Phe Gln Gln
1 5 10 15

Glu Leu Ala Leu
20

<210> 408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 408
Glu Pro Ala Ala Ala Ala Ala Ala Ala Ala Ile Ser Asp Asp Gln Ile
1 5 10 15

Asp Ile Ala Glu
            20

<210> 409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 409
Glu Asp Pro Lys Asp Arg Pro Ser Ala Ala His Ile Val Glu Ala Leu
1   5   10   15

Glu Thr Asp Val
            20

<210> 410
<211> 20
<212> PRT
<213> Homo sapiens

<400> 410
Pro Thr Pro Glu Ser Ser Thr Ile Ala Ser Tyr Val Thr Leu Arg Lys
1   5   10   15

Thr Lys Lys Met
            20

<210> 411
<211> 20
<212> PRT
<213> Homo sapiens

<400> 411
Gln Trp Ala Leu Tyr Gln Tyr His Ile Asp Tyr Asn Pro Leu Met Glu
1   5   10   15

Ala Arg Arg Leu
            20

<210> 412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 412
Phe Tyr Asn Val Val Phe Arg Arg Val Met Lys Leu Leu Asp Met Lys
1   5   10   15

Leu Val Gly Arg
            20

<210> 413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 413
His Tyr Ala His Lys Leu Ala Tyr Leu Val Gly Gln Ser Ile His Gln
1   5   10   15

Glu Pro Asn Arg
            20

<210> 414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 414
Phe Glu Arg Lys Leu Leu Phe Ser Ala Asp Val Ser Tyr Lys Val Leu
1   5   10   15

Arg Asn Glu Thr
            20

<210> 415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 415
Gln Glu Ala Gln Pro Leu Gln Pro Ser His Phe Leu Asp Ile Ser Glu
1   5   10   15

Asp Trp Ser Leu
            20

<210> 416
<211> 20

<212> PRT
<213> Homo sapiens

<400> 416
Asn Leu Arg Arg Leu Leu Leu Ser His Ile His Ala Ser Ser Tyr Ile
1   5   10   15

Ser Pro Glu Lys
            20

<210> 417
<211> 20
<212> PRT
<213> Homo sapiens

<400> 417
Lys Asn Ser Val Lys Thr Asp Leu Met Lys Ala Pro Met Val Ile Met
1   5   10   15

Asp Trp Glu Glu
            20

<210> 418
<211> 20
<212> PRT
<213> Homo sapiens

<400> 418
Thr Pro Leu Met Tyr Ser Leu Val His Asn Leu Thr Lys Glu Leu Lys
1   5   10   15

Ser Pro Asp Glu
            20

<210> 419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 419
Glu Ile Gln Ala Leu Arg Arg Leu Asn Pro His Pro Asn Ile Leu Met
1   5   10   15

Leu His Glu Val
            20

<210> 420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 420
Met Thr Pro Thr Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg
1   5   10   15

Glu Pro Leu Asn
            20

<210> 421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 421
Asn Gly Gln Ala Ala Ser Asp Asn Val Phe Ser Thr Val Pro Pro Ala
1   5   10   15

Phe Ile Asn Met
            20

<210> 422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 422
Lys Asn Pro Asp Phe Lys Val Phe Arg Tyr Ser Thr Ser Leu Glu Lys
1   5   10   15

His Lys Leu Phe
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<210> 423
<211> 20
<212> PRT
<213> Homo sapiens

<400> 423
Ala Ser Leu Glu Ile Glu Leu Ser Asn Leu Lys Ala Glu Leu Leu Ser
1   5   10   15

Val Lys Lys Gln
            20

<210> 424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 424
Ala Lys Arg Lys Arg Leu Glu Met Tyr Thr Lys Ala Ser Leu Lys Thr
1   5   10   15

Ser Asn Gln Lys
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<210> 425
<211> 20
<212> PRT
<213> Homo sapiens

<400> 425
Arg Ser Ile Phe Lys Pro Phe Ile Phe Val Asp Asp Val Lys Leu Val
1   5   10   15

Pro Lys Thr Gln
            20

<210> 426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 426
Met Glu Asp Asn Ser Ala Leu Tyr Glu Ser Thr Ser Ala His Ile Ile
1   5   10   15

Glu Glu Thr Glu
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<210> 427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 427
Arg Val Val Pro Asp Lys Leu Arg Ser Leu Ala Leu Gly Val Ser Tyr

1 5 10 15

Val Ile Leu Arg
20

<210> 428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 428
Gly Ser Ser Leu Asp Ile Leu Ser Ser Leu Asn Ser Pro Ala Leu Phe
1 5 10 15

Gly Asp Gln Asp
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<210> 429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 429
Ser Ser Glu Glu Asp Lys Glu Lys Glu Glu Val Ala Ala Val Lys Ile
1 5 10 15

Gln Ala Ala Phe
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<210> 430
<211> 20
<212> PRT
<213> Homo sapiens

<400> 430
Asn Arg Ala Leu Glu Leu His Pro Phe Ser Met Lys Pro Leu Leu Arg
1 5 10 15

Arg Ala Met Ala
20

<210> 431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 431
Glu Asp Gly Arg Val Gln Ala Phe Gly Trp Ser Leu Pro Gln Lys Tyr
1   5   10   15

Lys Gln Val Thr
            20

<210> 432
<211> 20
<212> PRT
<213> Homo sapiens

<400> 432
Glu Ser Ser Thr Ile Leu Val Val Arg Tyr Arg Arg Asn Val Lys Arg
1   5   10   15

Thr Ser Pro Glu
            20

<210> 433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 433
Glu Gln Val Arg Arg Ser Ile Ser Arg Leu Thr Asp Val Ser Ala Gln
1   5   10   15

Asp Phe Ser Met
            20

<210> 434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 434
Gln Gly Ile Arg Asn Leu Val Thr Asp Ala Lys Phe Val Leu Ile Val
1   5   10   15

Glu Lys Asp Ala
            20

<210> 435

<211> 20
<212> PRT
<213> Homo sapiens

<400> 435
Trp Lys Lys Met Lys Tyr Ser Glu Lys Ile Ser Tyr Val Tyr Met Lys
1   5   10   15

Arg Asn Tyr Lys
            20

<210> 436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 436
Glu Lys Ile Phe Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 437
<211> 20
<212> PRT
<213> Homo sapiens

<400> 437
Glu Trp Glu Lys Met Lys Val Ser Glu Lys Ile Val Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 438
Glu Trp Glu Lys Met Lys Ser Ser Glu Lys Ile Val Tyr Val Tyr Met
1   5   10   15

Lys Leu Asn Tyr
            20

<210> 439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 439
Glu Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Ile Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 440
Thr Leu Pro Pro Ala Trp Gln Pro Phe Leu Lys Asp His Arg Ile Ser
1   5   10   15

Thr Phe Lys Asn
            20

<210> 441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 441
Lys Asn Lys Gln Arg Gln Leu Arg Leu Ala Phe Glu Glu Gln Leu Glu
1   5   10   15

Asp Leu Met Gly
            20

<210> 442
<211> 20
<212> PRT
<213> Homo sapiens

<400> 442
Gln Arg Gln Lys Asp Leu Ile Met Lys Val Glu Asn Leu Thr Leu Lys
1   5   10   15

Asn His Phe Gln
20

<210> 443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 443
Asp Phe Ser Thr Lys Ser Val Phe Ser Lys Phe Ala Gln Leu Asn Leu
1 5 10 15

Ala Ala Glu Asp
20

<210> 444
<211> 20
<212> PRT
<213> Homo sapiens

<400> 444
Gly Gly Ala Glu Ser Glu Arg Gly Leu Pro Ala Ser Thr Leu Ser Arg
1 5 10 15

Leu Ser Asn Arg
20

<210> 445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 445
Gly Asp Phe Tyr Val Gln Leu Tyr Ser Ser Glu Val Leu Glu Tyr Met
1 5 10 15

Asn Gln Leu Ser
20

<210> 446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 446

Asp Gln Met Trp Arg Gln Phe Thr Asp Thr Asn Leu Ala Phe Asn Ala
1   5   10   15

Arg Ile Ser Glu
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<210> 447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 447
Met Thr Val Glu Ala Asp Pro Ala Asn Met Phe Asn Trp Thr Thr Glu
1   5   10   15

Glu Val Glu Thr
            20

<210> 448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 448
Gln Met Ala Tyr Leu Gly Ser Leu Pro Val Ile Gly Glu Lys Glu Val
1   5   10   15

Ile Gln Ala Asp
            20

<210> 449
<211> 20
<212> PRT
<213> Homo sapiens

<400> 449
Leu Lys Lys Ser Lys Tyr Phe Ile Ser Thr Tyr Ile Asp Phe Val Pro
1   5   10   15

Tyr Ile Ala Ser
            20

<210> 450
<211> 20
<212> PRT

<213> Homo sapiens

<400> 450
Thr Glu Arg Phe Leu Glu Asp Thr Thr Leu Thr Ile Thr Val Pro Ala
1   5   10   15

Val Ser Arg Arg
            20

<210> 451
<211> 20
<212> PRT
<213> Homo sapiens

<400> 451
Leu Tyr Asp Asp Val Lys Val Gln Phe Phe Tyr Ser Asn Leu Pro Thr
1   5   10   15

Tyr Tyr Asp Asn
            20

<210> 452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 452
Asp Gln Val Asp Trp Ser Arg Leu Leu Arg Asp Ala Gly Leu Val Lys
1   5   10   15

Met Ser Arg Lys
            20

<210> 453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 453
Met Ala Asn Glu Arg Ile Ser Met Gln Asn Leu Glu Ala Leu Leu Val
1   5   10   15

Ala Asn Arg Asp
            20

<210> 454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 454
Asp Asn Phe Tyr His Asn Phe Thr Lys Ile Pro Thr Leu Val Gln Ile
1   5   10   15

Ile Lys Ser Gln
            20

<210> 455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 455
Leu Val Asn Ile Thr Glu Tyr Arg Ala Ser His Ser Thr Pro Ile Glu
1   5   10   15

Trp Tyr Pro Asp
            20

<210> 456
<211> 20
<212> PRT
<213> Homo sapiens

<400> 456
Ala Asp Ala Ser Gln Ser Ser Met His Asn Ala Leu His Ile Tyr Met
1   5   10   15

Asn Gly Thr Met
            20

<210> 457
<211> 20
<212> PRT
<213> Homo sapiens

<400> 457
Ala Val Arg Arg Gly Arg Arg Gly Lys Lys Gly Ala Ala Thr Lys Met
1   5   10   15

Ala Ala Val Thr

20

<210> 458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 458
Thr Trp Asn Gln Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala
1 5 10 15

Gly Ser Ser Ser
20

<210> 459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 459
Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys
1 5 10 15

Ile Ile Pro Lys
20

<210> 460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 460
Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
1 5 10 15

Arg Ile Gln Leu
20

<210> 461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 461
Thr Pro Asp Gln Lys Arg Glu Asp Asp Gln Gly Ala Ala Glu Ile Gln
1 5 10 15

Val Pro Asp Leu
            20

<210> 462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 462
Lys Glu Gln Ile Leu Glu Leu Leu Val Leu Glu Gln Phe Leu Thr Ile
1   5   10   15

Leu Pro Gly Asp
            20

<210> 463
<211> 20
<212> PRT
<213> Homo sapiens

<400> 463
Asn Ser Leu Val Ser Leu Thr Tyr Val Ser Phe Arg Asn Leu Thr His
1   5   10   15

Leu Glu Ser Leu
            20

<210> 464
<211> 20
<212> PRT
<213> Homo sapiens

<400> 464
Glu Asp Val Val Leu Arg Trp Ser Gln Glu Phe Ser Thr Leu Thr Leu
1   5   10   15

Gly Gln Phe Gly
            20

<210> 465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 465
Lys Thr Leu Glu Phe Ala Gly Gln Asp Leu Ser Ala Tyr Leu Leu Lys
1   5   10   15

Ser Leu Phe Lys
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<210> 466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 466
Arg Thr Ile Ser Leu Glu Ser Leu Ala Val Ile Leu Ala Gln Leu Leu
1   5   10   15

Ser Leu Ser Met
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<210> 467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 467
Ser Glu Asn Ile Thr Pro Arg Met Gln His Asp Thr Ser His Leu Phe
1   5   10   15

Thr Thr Leu Gly
            20

<210> 468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 468
Asn Phe Gly Thr Arg Thr Phe Gln Ala Ile Thr Val Thr Lys Leu Ser
1   5   10   15

Gln Lys Phe Thr
            20

<210> 469
<211> 20

<212> PRT
<213> Homo sapiens

<400> 469
Asp Leu Arg Ser Val Phe Phe Asn Phe Ile Arg Asn Leu Leu Ser Glu
1   5   10   15

Thr Ile Phe Lys
            20

<210> 470
<211> 20
<212> PRT
<213> Homo sapiens

<400> 470
Ser Asp Leu Gln Lys Tyr Ala Leu Gly Phe Gln His Ala Leu Ser Pro
1   5   10   15

Ser Thr Ser Thr
            20

<210> 471
<211> 20
<212> PRT
<213> Homo sapiens

<400> 471
Gln Asn Lys Pro Leu Tyr Phe Ala Asp Arg Leu Tyr Asp Ser Met Lys
1   5   10   15

Gly Lys Gly Thr
            20

<210> 472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 472
Ser Glu Ile Leu Lys Glu Met Leu Ala Lys Lys His Phe Ser Tyr Ala
1   5   10   15

Trp Pro Phe Tyr
            20

<210> 473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 473
Ala Tyr Phe Gln Glu Leu Thr Met Tyr Arg Gly Asn Thr Thr Met Asp
1   5   10   15

Ile Lys Asp Leu
            20

<210> 474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 474
Lys Ile Thr Lys Gln Gln Val Phe Ile Asp Val Ile Asn Lys Leu Lys
1   5   10   15

Glu Asn Val Glu
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<210> 475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 475
Arg Val Ala Leu Ala Thr Val Tyr Phe Gln Glu Glu Phe Leu Asp Gly
1   5   10   15

Glu His Trp Arg
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<210> 476
<211> 20
<212> PRT
<213> Homo sapiens

<400> 476
His Pro Ser Asn Phe Ile Ile Glu Ala Pro Gly His Met Ser Asp Val
1   5   10   15

Glu Trp Met Ser
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<210> 477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 477
Gln Glu Lys Arg Gly Ala Val Tyr Glu Arg Val Thr Thr Ile Asn Gln
1   5   10   15

Glu Ile Gln Lys
            20

<210> 478
<211> 20
<212> PRT
<213> Homo sapiens

<400> 478
Asn Lys His Asn Glu Leu Arg Lys Ala Val Ser Pro Pro Ala Ser Asn
1   5   10   15

Met Leu Lys Met
            20

<210> 479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 479
Ala Gly Asp Ser Leu Ile Ala Gly Ser Ala Met Ser Lys Ala Lys Lys
1   5   10   15

Leu Met Thr Gly
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<210> 480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 480
Val Gly Glu Val Ser Thr Pro Phe His Ile Phe Lys Val Lys Val Thr

1 5 10 15

Thr Glu Arg Glu
20

<210> 481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 481
Glu Asn Arg Gln Leu Ser Arg Leu Met Val Gly Pro His Ala Ala Ala
1 5 10 15

Arg Asn Leu Trp
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<210> 482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 482
Leu Thr Glu Arg Leu Leu Lys Met Lys Asp Gly Val Ala Met Leu Glu
1 5 10 15

Glu Asp Val Thr
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<210> 483
<211> 20
<212> PRT
<213> Homo sapiens

<400> 483
Pro Ser Ser Glu Thr Arg Ala Phe Leu Ser Pro Pro Thr Leu Leu Glu
1 5 10 15

Gly Pro Leu Arg
20

<210> 484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 484
Lys Ser Asp Leu Arg Val His Met Arg Asn Leu His Ala Tyr Ser Ala
1   5   10   15

Ala Glu Leu Lys
            20

<210> 485
<211> 20
<212> PRT
<213> Homo sapiens

<400> 485
Ile Ser Asp Ser Phe Leu Glu Thr Asn Val Pro Leu Leu Val Leu Ile
1   5   10   15

Glu Ala Ala Lys
            20

<210> 486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 486
Arg Leu Leu Arg Leu Ala Leu Ala Phe Tyr Gly Arg Thr Ala Asp Pro
1   5   10   15

Ala Glu Arg Gln
            20

<210> 487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 487
Pro His Ser Ile Ala Arg Gln Lys Arg Ile Leu Val Asn Leu Ser Met
1   5   10   15

Val Glu Asn Lys
            20

<210> 488

<211> 20
<212> PRT
<213> Homo sapiens

<400> 488
Pro Ala Arg Ser Gln Ala Asp Lys Pro Val Leu Ala Ile Gln Val Leu
1   5   10   15

Gly Thr Val Lys
            20

<210> 489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 489
Gly Ser Glu Trp Ser Val Tyr Ala Val Gly Ser Gln Ala His Val Ser
1   5   10   15

Phe Leu Asp Pro
            20

<210> 490
<211> 20
<212> PRT
<213> Homo sapiens

<400> 490
Ser Arg Leu Ser Pro Arg Lys Thr His Leu Leu Tyr Ile Leu Arg Pro
1   5   10   15

Ser Arg Gln Leu
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<210> 491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 491
Ser Ser Gln Asp Ser Gly Leu Val Ser Leu Ser Ser Ser Ser Pro Ile
1   5   10   15

Ser Asn Lys Ser
            20

<210> 492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 492
Glu Arg Ala Glu Glu Thr Asn Thr Val Glu Val Ile Thr Ser Ala Pro
1   5   10   15

Gly Ala Met Leu
            20

<210> 493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 493
Gln Lys Glu Ile Thr Thr Arg Tyr Gln Leu Asp Pro Lys Phe Ile Thr
1   5   10   15

Ser Ile Leu Tyr
            20

<210> 494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 494
Pro Gly His Gln Lys Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp
1   5   10   15

Gln Val Asn Thr
            20

<210> 495
<211> 20
<212> PRT
<213> Homo sapiens

<400> 495
Arg Gly Pro Thr Gln Ser Val Gly Pro Thr Ile Gln Asp Tyr Leu Asn
1   5   10   15

Arg Pro Arg Pro
20

<210> 496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 496
Leu Asp Pro Met Leu Asp Phe Tyr Ser Asp Lys Asn Ala Lys Leu Thr
1 5 10 15

Lys Glu Ser Tyr
20

<210> 497
<211> 20
<212> PRT
<213> Homo sapiens

<400> 497
Glu Glu Gln Gly Ala Thr Trp Arg His Arg Glu Thr Leu Ile Ile Ala
1 5 10 15

Val Leu Val Ser
20

<210> 498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 498
Trp Arg Asn Ser Ile Arg Ser Ser Phe Ile Ser Ser Leu Ser Phe Phe
1 5 10 15

Leu Lys Lys Met
20

<210> 499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 499

Arg Arg Ser His Arg Ala Met Arg Val Ala His Leu Glu Leu Ala Thr
1   5   10   15

Tyr Glu Leu Ala
            20

<210> 500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 500
Glu Glu Glu Asp Thr Phe Ser Ser Val Phe His Thr Gln Ile Pro Pro
1   5   10   15

Glu Glu Tyr Glu
            20

<210> 501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 501
Leu Ser Met Ala Phe Tyr Phe Asn Arg Asp Asp Val Ala Leu Glu Asn
1   5   10   15

Phe Phe Arg Tyr
            20

<210> 502
<211> 20
<212> PRT
<213> Homo sapiens

<400> 502
Trp Pro Arg Pro Arg Arg Tyr Val Gln Pro Pro Glu Met Ile Gly Pro
1   5   10   15

Met Arg Pro Glu
            20

<210> 503
<211> 20
<212> PRT

<213> Homo sapiens

<400> 503
Leu Lys Glu Arg Asp Ile Thr Leu Arg His Leu Leu Thr Met Arg Glu
1   5   10   15

Asp Glu Phe Thr
            20

<210> 504
<211> 20
<212> PRT
<213> Homo sapiens

<400> 504
Phe Pro Lys Asn Ser Ser Phe Asn Pro Ala Ala Leu Ser Arg His Met
1   5   10   15

Ser Ser Leu Ser
            20

<210> 505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 505
Ser Met Glu Leu Lys Phe Leu Ile Ile Gln Asn Ala Ala Val Phe Gln
1   5   10   15

Glu Ala Phe Glu
            20

<210> 506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 506
Ala His Ser Ser Ser Ala Phe Thr Ile Thr Asp Gln Val Pro Phe Ser
1   5   10   15

Val Ser Val Ser
            20

<210> 507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 507
Glu Glu Glu Lys Trp Ser His Met Gln Thr Phe Leu Gln Ser Met Ser
1   5   10   15

Ser Thr Asp Lys
            20

<210> 508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 508
Glu Lys Ile Lys Gln Arg Leu Phe Glu Asn Leu Arg Met Leu Pro His
1   5   10   15

Ala Pro Gly Val
            20

<210> 509
<211> 20
<212> PRT
<213> Homo sapiens

<400> 509
Trp Thr Tyr Glu Thr Ser Leu Leu Val Glu Glu Ala Ile Ser Glu Glu
1   5   10   15

Leu Pro Tyr Ser
            20

<210> 510
<211> 20
<212> PRT
<213> Homo sapiens

<400> 510
Pro Asn His Pro Ser Arg Lys Lys Val Asn Phe Leu Asp Met Ser Leu
1   5   10   15

Asp Asp Ile Ile

20

<210> 511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 511
Ser Ser Asp Asn Asn Thr Leu Thr Ser Ser Asn Ala Tyr Asn Ser Arg
1 5 10 15

Tyr Trp Ser Asn
20

<210> 512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 512
Gly Ser Glu Thr Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys
1 5 10 15

Asp Gly Phe Asp
20

<210> 513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 513
Pro Tyr Ser Ala Val Glu Lys Ala Met Ala Arg Leu Gln Glu Leu Leu
1 5 10 15

Thr Val Ser Glu
20

<210> 514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 514
Glu Ala Gln Asp Ile Lys Phe Thr Glu Glu Ile Pro Leu Lys Ile Leu
1 5 10 15

Ala His Asn Asn
            20

<210> 515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 515
Leu Leu Arg Glu Leu Asp Val Met Asn Ser Val Ile Ala Gln Leu Ala
1   5   10   15

Pro Glu Glu Glu
            20

<210> 516
<211> 20
<212> PRT
<213> Homo sapiens

<400> 516
Ala Glu Leu Val Arg Arg Ile Leu Ser Arg Asp Ala Ala Pro Leu Pro
1   5   10   15

Arg Pro Gly Ala
            20

<210> 517
<211> 20
<212> PRT
<213> Homo sapiens

<400> 517
Asn Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu Lys Leu Gly
1   5   10   15

Val His Pro Thr
            20

<210> 518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 518
Leu Gln Gly Asn Ile Ile Leu Ser Thr Glu Lys Ser Lys Lys Leu Lys
1   5   10   15

Lys Trp Pro Glu
            20

<210> 519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 519
Gly Ser Ile Pro Leu Trp Leu Gln Asn Phe Val Arg Ile Leu Leu Asn
1   5   10   15

Glu Glu Asp Met
            20

<210> 520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 520
Phe Pro Glu Ile Phe Gly Lys Ala Ser Glu Ser Leu Gln Leu Val Phe
1   5   10   15

Gly Ile Asp Val
            20

<210> 521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 521
Asp Gly Met Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 522
<211> 20

<212> PRT
<213> Homo sapiens

<400> 522
Glu Glu Gln Glu Ala Ala Phe Phe Ser Ser Thr Leu Asn Val Gly Thr
1   5   10   15

Leu Glu Glu Leu
            20

<210> 523
<211> 20
<212> PRT
<213> Homo sapiens

<400> 523
Gln Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln
1   5   10   15

Leu Val Phe Gly
            20

<210> 524
<211> 20
<212> PRT
<213> Homo sapiens

<400> 524
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala
1   5   10   15

Glu Leu Val His
            20

<210> 525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 525
Asn Lys Val Asp Glu Leu Ala His Phe Leu Leu Arg Lys Tyr Arg Ala
1   5   10   15

Lys Glu Leu Val
            20

<210> 526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 526
Ala Ile Pro Thr Ala Ile Asp Phe Thr Leu Trp Arg Gln Ser Ile Lys
1   5   10   15

Gly Ser Ser Asn
            20

<210> 527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 527
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala
1   5   10   15

Lys Leu Val His
            20

<210> 528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 528
Glu Glu Gln Lys Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly Thr
1   5   10   15

Leu Glu Glu Val
            20

<210> 529
<211> 20
<212> PRT
<213> Homo sapiens

<400> 529
Gln Gly Gly Ala Ser Ser Ser Ile Ser Val Tyr Tyr Thr Leu Trp Ser
1   5   10   15

Gln Phe Asp Glu
            20

<210> 530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 530
Arg Thr Thr Ala Thr Thr Phe Arg Ala Arg Ser Arg Ala Pro Phe Ser
1   5   10   15

Arg Ser Ser His
            20

<210> 531
<211> 20
<212> PRT
<213> Homo sapiens

<400> 531
Pro Leu Thr Arg Lys Ser Gly Ser Leu Val Gln Phe Leu Leu Tyr Lys
1   5   10   15

Tyr Lys Ile Lys
            20

<210> 532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 532
Glu Glu Arg Val Gln Ala Ala Ala Met Leu Asn Asp Gly Ser Ser Ala
1   5   10   15

Met Gly Arg Lys
            20

<210> 533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 533
Arg Val Ala Ala Arg Arg Gly Thr Thr Ala Met Thr Ser Ala Tyr Ser

1 5 10 15

Arg Ala Thr Ser
20

<210> 534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 534
Val Arg Arg Glu Tyr Lys Pro Tyr Phe Pro Gln Ile Leu Asn Arg Thr
1 5 10 15

Ser Gln His Leu
20

<210> 535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 535
Ile Ser Arg Tyr Thr Gly Tyr Phe Pro Val Ile Phe Arg Lys Ala Arg
1 5 10 15

Glu Phe Ile Glu
20

<210> 536
<211> 20
<212> PRT
<213> Homo sapiens

<400> 536
Val Phe Ser Pro Ser Ser Phe Ser Thr Ser Ser Ser Leu Ile Leu Gly
1 5 10 15

Gly Pro Glu Glu
20

<210> 537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 537
Thr Ser Val Leu Tyr Phe Asn Pro Trp Met Arg Ile Phe Ile Gln Ala
1   5   10   15

Lys Arg Val Lys
            20

<210> 538
<211> 20
<212> PRT
<213> Homo sapiens

<400> 538
Lys Phe Ser Val Trp Val Ser Phe Phe Glu Ile Tyr Asn Glu Tyr Ile
1   5   10   15

Tyr Asp Leu Phe
            20

<210> 539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 539
Asn Gly Gly Ser Ser Leu Ser Tyr Thr Asn Pro Ala Val Ala Ala Ala
1   5   10   15

Ser Ala Asn Leu
            20

<210> 540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 540
Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala Pro Glu
1   5   10   15

Arg Ala His Leu
            20

<210> 541

<211> 20
<212> PRT
<213> Homo sapiens

<400> 541
Met Gln Asp Pro Ala Phe Val Lys Gln Ala Val Asn Leu Leu Gln Glu
1   5   10   15

Ala Asn Phe His
            20

<210> 542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 542
Ser Ser Arg Ser Val Glu Leu Asn Gly Phe Met Ala Phe Arg Glu Gln
1   5   10   15

Tyr Met Gly Met
            20

<210> 543
<211> 20
<212> PRT
<213> Homo sapiens

<400> 543
Ile Phe Val Asn His Ser Thr Ala Pro Tyr Ser Val Lys Asn Lys Leu
1   5   10   15

Lys Pro Gly Gln
            20

<210> 544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 544
Glu Lys Asn Glu Glu Ile Phe Asn Tyr Asn Asn His Leu Lys Asn Arg
1   5   10   15

Ile Tyr Gln Tyr
            20

<210> 545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 545
Ser Asn Leu Gln Asn Asn Tyr Ala His Leu Thr Asn Ser Ser Ile Asn
1   5   10   15

Lys Ser Gly Ala
            20

<210> 546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 546
Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His Arg Gln Leu Gln Leu
1   5   10   15

Ser Ile Ser Ser
            20

<210> 547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 547
Glu Asp Ser Glu Arg Leu Met Glu Gln Gln Gly Ala Leu Leu Lys Arg
1   5   10   15

Leu Ala Glu Ala
            20

<210> 548
<211> 20
<212> PRT
<213> Homo sapiens

<400> 548
Lys Ala Ser Gln Pro Ser Phe Ser Ile Lys Gly Arg Ser Lys Leu Gly
1   5   10   15

Gly Phe Ser Asp
            20

<210> 549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 549
Arg Ile Thr His Ser Phe Arg Trp Met Ala Gln Val Leu Ala Ser Glu
1   5   10   15

Leu Ser Leu Val
            20

<210> 550
<211> 20
<212> PRT
<213> Homo sapiens

<400> 550
Thr His Asn Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr
1   5   10   15

Pro Asp Gln Ser
            20

<210> 551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 551
Asp Gly Pro Asp Val Arg Glu Gly Ile Met Pro Thr Phe Asp Leu Thr
1   5   10   15

Lys Val Leu Glu
            20

<210> 552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 552

Glu Val Asn Pro Leu Tyr Arg Ala Asp Pro Val Asp Leu Glu Phe Ser
1   5   10   15

Val Asp Gln Val
            20

<210> 553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 553
Ile Ile Leu Lys Val Ala Leu Asn Met Ala Arg Gly Leu Lys Tyr Leu
1   5   10   15

His Gln Glu Lys
            20

<210> 554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 554
Asp His Ile Asn Arg Lys Tyr Ala Phe Lys Ala Ala His Pro Asn Met
1   5   10   15

Arg Thr Tyr Tyr
            20

<210> 555
<211> 20
<212> PRT
<213> Homo sapiens

<400> 555
Val Thr Pro Ala Met Gly Met Gln Met Arg Lys Ala Ile Met Ile Glu
1   5   10   15

Val Asp Asp Arg
            20

<210> 556
<211> 20
<212> PRT

<213> Homo sapiens

<400> 556
Glu Ser Val Gly Leu Val Ser Met Phe Arg Gly Leu Gly Ile Glu Thr
1   5   10   15

Val Ser Lys Thr
            20

<210> 557
<211> 20
<212> PRT
<213> Homo sapiens

<400> 557
Phe Gly Glu Arg His Ile Phe Asp Gly Asn Ser Leu Leu Leu Ser Arg
1   5   10   15

Pro Leu Lys Glu
            20

<210> 558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 558
Ala Asp Val Ser Tyr Lys Val Leu Arg Asn Glu Thr Val Leu Glu Phe
1   5   10   15

Met Thr Ala Leu
            20

<210> 559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 559
His Phe Leu Asp Ile Ser Glu Asp Trp Ser Leu His Thr Asp Asp Met
1   5   10   15

Ile Gly Ser Met
            20

<210> 560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 560
Tyr Leu Gly Gln Met Ile Asn Leu Arg Arg Leu Leu Leu Ser His Ile
1   5   10   15

His Ala Ser Ser
            20

<210> 561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 561
Asp Asn Asp Ile Ala Leu Leu Leu Leu Ala Ser Pro Ile Lys Leu Asp
1   5   10   15

Asp Leu Lys Val
            20

<210> 562
<211> 20
<212> PRT
<213> Homo sapiens

<400> 562
Glu Met Lys Thr Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val
1   5   10   15

Lys Asn Phe Thr
            20

<210> 563
<211> 20
<212> PRT
<213> Homo sapiens

<400> 563
Glu Leu Met Asp Met Asn Ile Tyr Glu Leu Ile Arg Gly Arg Arg Tyr
1   5   10   15

Pro Leu Ser Glu

20

<210> 564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 564
Glu Glu Glu Glu Asp Ala Ala Trp Gln Ala Glu Glu Val Leu Arg Gln
1 5 10 15

Gln Lys Leu Ala
20

<210> 565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 565
Asp Gln Pro Gln Pro Asn Asn Val Leu Ser Thr Val Gln Pro Val Ile
1 5 10 15

Ile Tyr Leu Thr
20

<210> 566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 566
Thr Asp Tyr Val Glu Ile Trp Gln Ala Tyr Leu Asp Tyr Leu Arg Arg
1 5 10 15

Arg Val Asp Phe
20

<210> 567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 567
Asp Lys Lys Thr Gln Thr Phe Leu Leu Glu Thr Pro Glu Ile Tyr Trp
1 5 10 15

Lys Leu Asp Ser
            20

<210> 568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 568
Gln Asn Glu Phe Lys Lys Glu Met Ala Met Leu Gln Lys Lys Ile Met
1   5   10   15

Met Glu Thr Gln
            20

<210> 569
<211> 20
<212> PRT
<213> Homo sapiens

<400> 569
His Ser Phe Gln Ser Ala Tyr Leu Ile Val Asp Arg Asp Glu Ala Trp
1   5   10   15

Val Leu Glu Thr
            20

<210> 570
<211> 20
<212> PRT
<213> Homo sapiens

<400> 570
Leu Gln Phe Val Ile His Ser Gln His Gln Asn Leu Arg Ser Val Ile
1   5   10   15

Gln Glu Met Glu
            20

<210> 571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 571
Ile Ile Phe Thr Thr Ile Ala Phe Phe Ile Tyr Lys Arg Arg Leu Asn
1   5   10   15

Glu Asn Thr Asp
            20

<210> 572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 572
Ile Gly Glu Tyr Lys Gln Leu Met Arg Ser Arg Arg Gln Glu Met Arg
1   5   10   15

Gln Phe Phe Thr
            20

<210> 573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 573
Gly Ser Lys Val Glu Asp Arg Phe Tyr Asn Asn His Ala Phe Glu Glu
1   5   10   15

Gln Glu Pro Pro
            20

<210> 574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 574
Ser Met Lys Pro Leu Leu Arg Arg Ala Met Ala Tyr Glu Thr Leu Glu
1   5   10   15

Gln Tyr Gly Lys
            20

<210> 575
<211> 20

<212> PRT
<213> Homo sapiens

<400> 575
Arg Leu Asp Ser Thr Leu Arg Leu Tyr His Ala His Thr Tyr Gln His
1   5   10   15

Leu Gln Asp Val
            20

<210> 576
<211> 20
<212> PRT
<213> Homo sapiens

<400> 576
Thr Ile Leu Val Val Arg Tyr Arg Arg Asn Val Lys Arg Thr Ser Pro
1   5   10   15

Glu Glu Leu Leu
            20

<210> 577
<211> 20
<212> PRT
<213> Homo sapiens

<400> 577
Arg Trp Ser His Thr Arg Ile Phe Gln Val Pro Ser Glu Met Thr Glu
1   5   10   15

Asp Ile Met Arg
            20

<210> 578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 578
Ala Ser Ile Glu Asn Ile Ile Gln Asp Ile Ile Thr Ser Leu Ala Arg
1   5   10   15

Asn Glu Ala Pro
            20

<210> 579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 579
Thr Phe Gly Arg Leu His Arg Ile Ile Pro Lys Ile Met Pro Lys Lys
1   5   10   15

Pro Ala Glu Asp
            20

<210> 580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 580
Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu
1   5   10   15

Glu Ile Ser Asp
            20

<210> 581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 581
Ala Met Thr Lys Leu Gly Phe Lys Ala Ile Leu Pro Ser Phe Met Arg
1   5   10   15

Asn Lys Arg Val
            20

<210> 582
<211> 20
<212> PRT
<213> Homo sapiens

<400> 582
Thr Phe Gly Ser Leu Gln Arg Ile Phe Pro Lys Ile Met Pro Lys Lys
1   5   10   15

Pro Ala Glu Glu
            20

<210> 583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 583
Glu Ala Met Thr Lys Leu Gly Phe Lys Ala Thr Leu Pro Pro Phe Met
1   5   10   15

Arg Asn Lys Arg
            20

<210> 584
<211> 20
<212> PRT
<213> Homo sapiens

<400> 584
Thr Asn Asn Lys Lys Lys Glu Phe Glu Glu Thr Ala Lys Lys Val Arg
1   5   10   15

Arg Ala Ile Glu
            20

<210> 585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 585
Arg Lys Ala Glu Glu Leu Leu Ala Ala Ala Ala Gln Arg His Gln Gln
1   5   10   15

Leu Gln Gln Lys
            20

<210> 586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 586
Leu Arg Thr Leu Asp Lys Lys Thr Phe Tyr Lys Thr Ala Asp Ile Ser

1 5 10 15

Gln Met Leu Val
20

<210> 587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 587
Trp Met Asp Tyr Glu Phe Arg Val Ile Ala Ser Asn Ile Leu Gly Thr
1 5 10 15

Gly Glu Pro Ser
20

<210> 588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 588
Tyr Arg Ala Ser Val Leu Ala Tyr Ala Ser Glu Glu Ser Val Leu Val
1 5 10 15

Gly Tyr Val Asp
20

<210> 589
<211> 20
<212> PRT
<213> Homo sapiens

<400> 589
Gly Phe Trp Lys Ser Glu Leu Ser Tyr Glu Leu Asp Arg Leu Leu Thr
1 5 10 15

Glu Asn Gln Asn
20

<210> 590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 590
Gln Ala Asp Asp Glu Pro Thr Phe Ser Phe Phe Ser Gly Pro Tyr Met
1   5   10   15

Val Met Thr Asn
            20

<210> 591
<211> 20
<212> PRT
<213> Homo sapiens

<400> 591
Tyr Ile Glu Ile Val Met Val Ser Glu Thr Ile His Phe Leu Lys Asn
1   5   10   15

Ser Ile Ala Lys
            20

<210> 592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 592
Met Pro Met Ser Glu Val Ser Gln Val Ser Arg Ala Ala Gln Met Ala
1   5   10   15

Val Pro Ser Ser
            20

<210> 593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 593
Phe Ile Lys His Phe Ile Ile Tyr Ser Ile Pro Arg Tyr Val Arg Asp
1   5   10   15

Leu Lys Ile Gln
            20

<210> 594

<211> 20
<212> PRT
<213> Homo sapiens

<400> 594
Asp Ala Gly Leu Val Lys Met Ser Arg Lys Pro Arg Ala Ser Ser Pro
1   5   10   15

Leu Ser Asn Asn
            20

<210> 595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 595
Leu Asn Ala Glu Arg Ser Tyr Lys Ser Gln Ile Ser Thr Leu His Lys
1   5   10   15

Ser Val Val Lys
            20

<210> 596
<211> 20
<212> PRT
<213> Homo sapiens

<400> 596
Ile Trp Arg Asp Val Ile Tyr Ser Val Arg Val Gly Ser Pro Trp Ile
1   5   10   15

Asp Gln Met Thr
            20

<210> 597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 597
Gly Glu Glu Ala Val Leu Leu Leu Asp Asp Ile Met Ala Glu Val Glu
1   5   10   15

Val Val Ala Glu
            20

<210> 598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 598
His Tyr Tyr Val Ser Met Asp Ala Leu Leu Gly Gly Ser Glu Ile Trp
1   5   10   15

Arg Asp Ile Asp
            20

<210> 599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 599
Gly Ala Gln Tyr Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln
1   5   10   15

Asp Val Arg Arg
            20

<210> 600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 600
Thr Ala Ile Thr Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln
1   5   10   15

Ala Lys Leu Gly
            20

<210> 601
<211> 20
<212> PRT
<213> Homo sapiens

<400> 601
Glu Gly Gly Thr Asp Val Lys Gly Lys Ile Leu Pro Lys Ala Glu His
1   5   10   15

Phe Lys Met Pro
            20

<210> 602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 602
Asp Leu Glu Arg Gly Thr Asp Glu Ala Val Leu Gln Val Gln Ala His
1   5   10   15

Glu His Gly Gln
            20

<210> 603
<211> 20
<212> PRT
<213> Homo sapiens

<400> 603
Glu Val Arg Ala Gly Ala Phe Glu His Leu Pro Ser Leu Arg Gln Leu
1   5   10   15

Asp Leu Ser His
            20

<210> 604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 604
Ser Pro Asn Thr Leu Lys Glu Ile Glu Ala Ser Ala Glu Val Ser Pro
1   5   10   15

Thr Thr Met Thr
            20

<210> 605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 605

Asp Gln Leu Gln Met Ser Leu Tyr Ala Ser Gly Leu Leu Thr Gly Val
1   5   10   15

Val Val Asp Ser
            20

<210> 606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 606
Ser Tyr Leu Val Leu Arg Pro His Asp Val Ala Phe Leu Leu Val Tyr
1   5   10   15

Arg Glu Lys Ser
            20

<210> 607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 607
Asp Ser Glu Glu Lys Gln Phe Ser Thr Met Arg Ser Gly Phe Met Gln
1   5   10   15

Asn Glu Ile Thr
            20

<210> 608
<211> 20
<212> PRT
<213> Homo sapiens

<400> 608
Ala Ser Phe Val His Glu Tyr Ser Arg Arg His Pro Gln Leu Ala Val
1   5   10   15

Ser Val Ile Leu
            20

<210> 609
<211> 20
<212> PRT

<213> Homo sapiens

<400> 609
Asp Asp Phe Thr Ala Ser Val Ser Glu Gly Ile Met Thr Tyr Ala Asn
1   5   10   15

Ser Val Val Ser
            20

<210> 610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 610
Gln Trp Ile Ala Ala Ser Gln Phe Asn Val Pro Met Leu Tyr Phe Met
1   5   10   15

Gly Asp Lys Asp
            20

<210> 611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 611
Arg Lys Tyr Gly Lys Ser Leu Tyr Tyr Tyr Ile Gln Gln Asp Thr Lys
1   5   10   15

Gly Asp Tyr Gln
            20

<210> 612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 612
Glu Pro Glu Asp Gly Thr Ala Leu Asp Val His Phe Val Ser Thr Leu
1   5   10   15

Glu Pro Leu Ser
            20

<210> 613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 613
Val Gly Thr Ile Asp Met Thr Leu Gln Ser Asp Ile Met Thr Met Phe
1   5   10   15

Glu Asn Asn Phe
            20

<210> 614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 614
Asp Gln Ser Asp Val Leu Met Val Asp Val Ala Thr Ser Met Pro Val
1   5   10   15

Val Ile Lys Glu
            20

<210> 615
<211> 20
<212> PRT
<213> Homo sapiens

<400> 615
Asn Asn Ile Glu Asn Tyr Ser Thr Asn Ala Leu Ile Gln Pro Val Asp
1   5   10   15

Thr Ile Ser Ile
            20

<210> 616
<211> 20
<212> PRT
<213> Homo sapiens

<400> 616
Glu Ser Gly Ser Ile Glu Tyr Asp Trp Asn Leu Thr Ser Leu Lys Lys
1   5   10   15

Glu Thr Ser Pro

20

<210> 617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 617
Glu Leu His Lys Arg Thr Glu Ile Ile Arg Ser Leu Thr Lys Lys Val
1 5 10 15

Lys Ala Leu Glu
20

<210> 618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 618
Glu Arg Glu Lys Leu Lys Ser Gln Glu Ile Phe Leu Asn Leu Lys Thr
1 5 10 15

Ala Leu Glu Lys
20

<210> 619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 619
Ser Pro Pro Ala Ser Asn Met Leu Lys Met Glu Trp Ser Arg Glu Val
1 5 10 15

Thr Thr Asn Ala
20

<210> 620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 620
Thr Asp Lys Thr Glu Lys Val Ala Val Asp Pro Glu Thr Val Phe Lys
1 5 10 15

Arg Pro Arg Glu
            20

<210> 621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 621
Pro Asn Lys Ile Ser Thr Glu His Gln Ser Leu Val Leu Val Lys Arg
1   5   10   15

Leu Leu Ala Val
            20

<210> 622
<211> 20
<212> PRT
<213> Homo sapiens

<400> 622
Asn Asp His Ile Leu Ile Glu Asn Arg Gln Leu Ser Arg Leu Met Val
1   5   10   15

Gly Pro His Ala
            20

<210> 623
<211> 20
<212> PRT
<213> Homo sapiens

<400> 623
Ser Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys
1   5   10   15

Arg Phe Gln Ala
            20

<210> 624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 624
Val Gly Phe Phe Ala Val Leu Phe Phe Leu Trp Arg Ser Phe Arg Ser
1   5   10   15

Val Arg Ser Arg
            20

<210> 625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 625
Ser Ala Val Phe His Glu Arg Tyr Ala Leu Ile Gln His Gln Lys Thr
1   5   10   15

His Lys Asn Glu
            20

<210> 626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 626
Lys Asn Leu Met Asn Ala Val Val Leu Thr Val Lys Ala Ser Tyr Val
1   5   10   15

Ala Ser Thr Lys
            20

<210> 627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 627
Ile Asp Glu Ser Ile Tyr Phe Ser Ser Asp Val Val Thr Gly Asn Val
1   5   10   15

Pro Leu Lys Val
            20

<210> 628
<211> 20

<212> PRT
<213> Homo sapiens

<400> 628
Lys Arg Ile Leu Val Asn Leu Ser Met Val Glu Asn Lys Leu Val Glu
1   5   10   15

Leu Glu His Thr
            20

<210> 629
<211> 20
<212> PRT
<213> Homo sapiens

<400> 629
Asn Arg Arg Lys Ser Arg Arg Phe Ile Pro Arg Pro Pro Ser Val Ala
1   5   10   15

Pro Pro Pro Met
            20

<210> 630
<211> 20
<212> PRT
<213> Homo sapiens

<400> 630
Glu Val Arg Leu Gln Asn Glu Thr Ser Tyr Ser Arg Val Leu His Gly
1   5   10   15

Tyr Ala Ala Gln
            20

<210> 631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 631
Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Gly Asn Leu Leu Arg Gly
1   5   10   15

Ile Asp Ser Leu
            20

<210> 632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 632
Asn Leu Ile Ala Glu Arg Gln Arg Val Met Ala Ala Gln Val Ala Leu
1   5   10   15

Arg Arg Gln Gln
            20

<210> 633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 633
Arg Lys Ala Val Thr Lys Arg Ala Arg Leu Gln Arg Ser Tyr Glu Met
1   5   10   15

Asn Glu Arg Ala
            20

<210> 634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 634
Lys Thr Gln Asn Asp Val Asp Ile Ala Asp Val Ala Tyr Tyr Phe Glu
1   5   10   15

Lys Asp Val Lys
            20

<210> 635
<211> 20
<212> PRT
<213> Homo sapiens

<400> 635
Gly Leu Val Thr Ser Arg Ser Phe Arg Thr Ala Ser Val Ser Ile Asn
1   5   10   15

Gln Thr Glu Pro
            20

<210> 636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 636
Lys Gln Leu Glu Asn Lys Lys Thr Gly Ser Lys Ala Leu Ala Glu Phe
1   5   10   15

Glu Glu Lys Met
            20

<210> 637
<211> 20
<212> PRT
<213> Homo sapiens

<400> 637
Ile Val Lys Asp Ala Arg Leu Asn Gly Ser Val Ala Ser Tyr Ile Leu
1   5   10   15

Ala Ser His Asn
            20

<210> 638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 638
Glu Phe Asn Val Leu Glu Met Glu Val Met Arg Arg Gln Leu Tyr Ala
1   5   10   15

Val Asn Arg Arg
            20

<210> 639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 639
Arg Lys Leu Phe Tyr Phe Lys Ile Trp Ala Phe Leu Asp Val Ser Phe

1 5 10 15

Val Glu Arg Ile
20

<210> 640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 640
Lys Ala Lys Gly Arg Asn Arg Arg Ser His Arg Ala Met Arg Val Ala
1 5 10 15

His Leu Glu Leu
20

<210> 641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 641
Pro Val Phe Pro Gln Leu Ser Arg Ser Ile Ile Ser Lys Leu Leu Asn
1 5 10 15

Glu Ser Glu Thr
20

<210> 642
<211> 20
<212> PRT
<213> Homo sapiens

<400> 642
Lys Asn Val Asn Gln Ser Leu Leu Asp Leu Tyr Gln Leu Ala Val Glu
1 5 10 15

Lys Gly Asp Pro
20

<210> 643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 643
Gly Trp Glu Ile Gly Tyr Leu Asp Arg Thr Ser Gln Lys Leu Lys Arg
1   5   10   15

Leu Leu Pro Ile
            20

<210> 644
<211> 20
<212> PRT
<213> Homo sapiens

<400> 644
Ser Ser Leu Ser His Ile Ser Pro Phe Ser His Ser Ser His Met Leu
1   5   10   15

Thr Thr Pro Thr
            20

<210> 645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 645
Lys His Ile Asn Gln Leu Leu Arg Thr Met Ser Met Pro Lys Gly Arg
1   5   10   15

Val Leu Asp Lys
            20

<210> 646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 646
Leu Asn Val Ser Leu Ala Asp Thr Asn Ser Leu Ala Val Val Ser Thr
1   5   10   15

Gln Leu Ile Met
            20

<210> 647

<211> 20
<212> PRT
<213> Homo sapiens

<400> 647
Arg Asn Arg Pro Gly Met Leu Val Leu Thr Pro Thr Arg Glu Leu Ala
1   5   10   15

Leu Gln Val Glu
            20

<210> 648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 648
Phe Lys Pro Val Met Ser Lys Val Met Glu Met Phe Gln Pro Ser Ala
1   5   10   15

Val Val Leu Gln
            20

<210> 649
<211> 20
<212> PRT
<213> Homo sapiens

<400> 649
Arg Gln Gln Thr Asp Met Ala Val Asn Trp Ala Gly Gly Leu His His
1   5   10   15

Ala Lys Lys Ser
            20

<210> 650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 650
Gln Ser Tyr Lys His Leu Phe Gln Pro Val Ile Asn Gln Val Val Asp
1   5   10   15

Phe Tyr Gln Pro
            20

<210> 651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 651
Ser Pro Ser Arg Gln Gln Ser Lys Ala His Arg His Arg His Arg Arg
1   5   10   15

Gly Tyr Ser Arg
            20

<210> 652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 652
Leu Leu Leu Ser Leu His Gly Val Ala Ala Ser Leu Glu Val Ser Glu
1   5   10   15

Ser Pro Gly Ser
            20

<210> 653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 653
Asp Gly Phe Asp Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu
1   5   10   15

Leu Pro Trp Gln
            20

<210> 654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 654
Glu Gly Asp Ala Leu Arg Tyr Met Ile Glu Arg Thr Val Asn Trp Gln
1   5   10   15

His Arg Ala Gln
            20

<210> 655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 655
Arg Asn Ile Pro Pro His Leu Gln Trp Glu Val Leu Asp Ser Leu Leu
1   5   10   15

Val Gln Tyr Gly
            20

<210> 656
<211> 20
<212> PRT
<213> Homo sapiens

<400> 656
Asp Val Gly Tyr Gly Arg Ser Ile Ser Ser Ser Ser Ser Leu Arg Arg
1   5   10   15

Ser Ser Lys Glu
            20

<210> 657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 657
Ser Arg Leu Leu Gln Leu His Ile Thr Met Pro Phe Ser Ser Pro Met
1   5   10   15

Glu Ala Glu Leu
            20

<210> 658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 658

Leu Lys Gly Glu Met Met Asp Leu Gln His Gly Ser Leu Phe Phe Ser
1   5   10   15

Thr Ser Lys Ile
            20

<210> 659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 659
Gln Thr Ile Glu Ser Trp Arg Glu Glu Gly Phe Pro Val Gly Leu Lys
1   5   10   15

Leu Ala Val Leu
            20

<210> 660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 660
Thr Tyr Lys Ile Gln Arg Leu Met Leu Lys Ser Leu Thr Tyr Pro Glu
1   5   10   15

Arg Pro Pro Leu
            20

<210> 661
<211> 20
<212> PRT
<213> Homo sapiens

<400> 661
Gln Ser Pro Gln Gly Ala Ser Ala Phe Pro Thr Thr Ile Asn Phe Thr
1   5   10   15

Arg Gln Arg Gln
            20

<210> 662
<211> 20
<212> PRT

<213> Homo sapiens

<400> 662
Pro Arg Ala His Ala Glu Ile Arg Lys Met Ser Leu Leu Lys Phe Leu
1   5   10   15

Ala Lys Val Asn
            20

<210> 663
<211> 20
<212> PRT
<213> Homo sapiens

<400> 663
Glu Glu Ser Phe Ser Pro Thr Ala Met Asp Ala Ile Phe Gly Ser Leu
1   5   10   15

Ser Asp Glu Gly
            20

<210> 664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 664
Asp Gly Arg Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Leu Val
            20

<210> 665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 665
Ala Ile Ser Arg Lys Met Val Glu Leu Val His Phe Leu Leu Leu Lys
1   5   10   15

Tyr Arg Ala Arg
            20

<210> 666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 666
Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg
1   5   10   15

Gln Val Pro Gly
            20

<210> 667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 667
Leu Leu Ile Ile Val Leu Gly Thr Ile Ala Met Glu Gly Asp Ser Ala
1   5   10   15

Ser Glu Glu Glu
            20

<210> 668
<211> 20
<212> PRT
<213> Homo sapiens

<400> 668
Leu Asp Thr Gln Glu Glu Ala Leu Gly Leu Val Gly Val Gln Ala Ala
1   5   10   15

Thr Thr Glu Glu
            20

<210> 669
<211> 20
<212> PRT
<213> Homo sapiens

<400> 669
Phe Pro Val Ile Phe Ser Lys Ala Ser Asp Ser Leu Gln Leu Val Phe
1   5   10   15

Gly Ile Glu Leu

20

<210> 670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 670
Gln Glu Ala Leu Lys Leu Lys Val Ala Glu Leu Val His Phe Leu Leu
1 5 10 15

His Lys Tyr Arg
20

<210> 671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 671
Ser Thr Glu Ser Ser Val Lys Asp Pro Val Ala Trp Glu Ala Gly Met
1 5 10 15

Leu Met His Phe
20

<210> 672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 672
Lys Ile Val Gly Lys Arg Phe Arg Glu His Phe Pro Glu Ile Leu Lys
1 5 10 15

Lys Ala Ser Glu
20

<210> 673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 673
Thr Val Pro Ser Ala Phe Gln Phe Trp Tyr Glu Glu Ala Leu Arg Asp
1 5 10 15

Glu Glu Glu Arg
            20

<210> 674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 674
Lys Glu Val Asn Pro Thr Thr His Ser Tyr Ile Leu Val Ser Met Leu
1   5   10   15

Gly Pro Asn Asp
            20

<210> 675
<211> 20
<212> PRT
<213> Homo sapiens

<400> 675
Asp Glu Glu Ser Val Ser Ala Ser Gln Lys Ala Ile Ile Phe Lys Arg
1   5   10   15

Leu Ser Lys Asp
            20

<210> 676
<211> 20
<212> PRT
<213> Homo sapiens

<400> 676
Pro Val Ser Pro Ser Phe Ser Ser Thr Leu Val Ser Leu Phe Gln Ser
1   5   10   15

Ser Pro Glu Arg
            20

<210> 677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 677
Asp Ser Glu Ser Ser Phe Thr Tyr Thr Leu Asp Glu Lys Val Ala Glu
1   5   10   15

Leu Val Glu Phe
            20

<210> 678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 678
Ser Thr Thr His Ser Phe Leu Phe Gly Ala Leu Ala Glu Leu Leu Asp
1   5   10   15

Asn Ala Arg Asp
            20

<210> 679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 679
Ser Ser Lys Lys Thr Tyr Ser Leu Arg Ser Gln Ala Ser Ile Ile Gly
1   5   10   15

Val Asn Leu Ala
            20

<210> 680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 680
Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
1   5   10   15

Gly Phe Leu Gly
            20

<210> 681
<211> 20

<212> PRT
<213> Homo sapiens

<400> 681
Ala Glu Thr Glu Pro Glu Arg His Leu Gly Ser Tyr Leu Leu Asp Ser
1   5   10   15

Glu Asn Thr Ser
            20

<210> 682
<211> 20
<212> PRT
<213> Homo sapiens

<400> 682
Arg Asn Lys Ser Val Arg Tyr Leu Asp Leu Ser Ala Asn Val Leu Lys
1   5   10   15

Asp Glu Gly Leu
            20

<210> 683
<211> 20
<212> PRT
<213> Homo sapiens

<400> 683
Ser Thr Trp Gln Glu Leu Ile Leu Leu Ser Ser Leu Thr Val Tyr Ser
1   5   10   15

Lys Gln Ile Phe
            20

<210> 684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 684
Gln Met Glu Met Leu Lys Leu Thr Met Asn Lys Arg Tyr Asn Val Ser
1   5   10   15

Gln Gln Ala Leu
            20

<210> 685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 685
Ile Thr Lys Arg Ser Glu Gln Ile Val Glu Phe Leu Leu Ile Lys Asn
1   5   10   15

Ala Asn Ala Asn
            20

<210> 686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 686
Leu Val Phe Arg Val Asp Glu Thr Thr Pro Ala Val Val Gln Ser Val
1   5   10   15

Leu Leu Glu Arg
            20

<210> 687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 687
Leu Glu Leu Glu Ile Ile Val Leu Asn Asp Arg Val Thr Asp Leu Val
1   5   10   15

Asn Gln Gln Gln
            20

<210> 688
<211> 20
<212> PRT
<213> Homo sapiens

<400> 688
Ser Pro Gly Pro Arg Tyr Asn Val Asn Pro Lys Ile Leu Arg Thr Gly
1   5   10   15

Lys Asp Leu Gly
            20

<210> 689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 689
Ala Phe Ser Lys Lys Trp Leu Asp Leu Ser Arg Ser Leu Phe Tyr Gln
1   5   10   15

Arg Trp Pro Val
            20

<210> 690
<211> 20
<212> PRT
<213> Homo sapiens

<400> 690
Tyr Leu Leu Lys Thr Lys Ala Ile Val Asn Ala Ser Glu Met Asp Ile
1   5   10   15

Gln Asn Val Pro
            20

<210> 691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 691
Ile Leu Arg Thr Gln Leu Leu Gln Gln Leu Tyr Thr Ser Lys Ala Val
1   5   10   15

Ser Asp Glu Ala
            20

<210> 692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 692
Val Tyr Gln Lys Arg Leu Met Asp Glu Ala Lys Ile Leu Lys Ser Leu

1 5 10 15

His His Pro Asn
20

<210> 693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 693
Trp Gln Gln Arg Gln Phe Tyr Asn Lys Gln Ser Thr Leu Pro Arg His
1 5 10 15

Ser Thr Leu Ser
20

<210> 694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 694
Arg Arg Ser Ile Ala Gly Phe Val Ala Ser Ile Asn Glu Gly Met Thr
1 5 10 15

Arg Trp Phe Ser
20

<210> 695
<211> 20
<212> PRT
<213> Homo sapiens

<400> 695
Lys Trp Tyr Ser Arg Val Val Phe Gln Met Pro His Gln Glu Ile Val
1 5 10 15

Asp Ser Leu Lys
20

<210> 696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 696
Leu His Ser Trp Leu Ile Leu Tyr Ser Arg Ser Ser His Arg Glu Ala
1   5   10   15

Met Ser Leu Lys
            20

<210> 697
<211> 20
<212> PRT
<213> Homo sapiens

<400> 697
Gln Glu Asn Pro Ala Ala Phe Val Arg Ala Ile Gln Gln Tyr Val Asp
1   5   10   15

Pro Asp Val Gln
            20

<210> 698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 698
His Gln Ala Gly Ala Gln Glu Ala Gln Pro Leu Gln Pro Ser His Phe
1   5   10   15

Leu Asp Ile Ser
            20

<210> 699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 699
Ser Leu Leu Lys Asp Glu Ala Leu Ala Ile Ala Ala Leu Glu Leu Leu
1   5   10   15

Pro Arg Glu Leu
            20

<210> 700

<211> 20
<212> PRT
<213> Homo sapiens

<400> 700
Gly Asp Arg Ser Ile Phe Glu Gly Arg Thr Arg Tyr Ser Arg Ile Thr
1   5   10   15

Gly Gly Met Glu
            20

<210> 701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 701
Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr Leu Arg
1   5   10   15

Gly Ala Val Glu
            20

<210> 702
<211> 20
<212> PRT
<213> Homo sapiens

<400> 702
Val Phe Tyr Glu Ile Ala Ser Leu Gln Pro Leu Phe Pro Gly Val Asn
1   5   10   15

Glu Leu Asp Gln
            20

<210> 703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 703
Gln Gln Arg Lys Lys Met Glu Lys Glu Ala Gln Arg Leu Met Lys Lys
1   5   10   15

Glu Gln Asn Lys
            20

<210> 704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 704
Gln Ser Arg Thr Asp Lys Val Leu Ser Thr Ala Pro Pro Gln Leu Val
1   5   10   15

His Met Ala Ala
            20

<210> 705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 705
Asn Ala Lys Tyr Ala Asn Met Trp Leu Glu Tyr Tyr Asn Leu Glu Arg
1   5   10   15

Ala His Gly Asp
            20

<210> 706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 706
Met Glu Glu Ser Asn Lys Ala Arg Ala Ala His Ser Phe Val Val Thr
1   5   10   15

Glu Phe Glu Thr
            20

<210> 707
<211> 20
<212> PRT
<213> Homo sapiens

<400> 707
Lys Ile Leu Gln Gln Ser Arg Ile Val Gln Ser Gln Arg Leu Lys Thr
1   5   10   15

Ile Lys Gln Leu
            20

<210> 708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 708
Gly Glu Thr Ala Lys Glu Ala Leu Asp Val Ile Val Ser Leu Leu Glu
1   5   10   15

Glu His Gly Gln
            20

<210> 709
<211> 20
<212> PRT
<213> Homo sapiens

<400> 709
Ile Glu Glu Thr Glu Tyr Val Lys Lys Ile Arg Thr Thr Leu Gln Lys
1   5   10   15

Ile Arg Thr Gln
            20

<210> 710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 710
Glu Lys Ser Tyr Asp Ile Ser Ser Gly Leu Val Ala Ile Phe Ile Ala
1   5   10   15

Phe Tyr Gly Asp
            20

<210> 711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 711

Ser Tyr Asn His Lys Gln Ile Glu Gln Leu Tyr Ala Ala Gln Leu Ala
1   5   10   15

Ser Met Gln Val
            20

<210> 712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 712
Ile Ser Gly Lys Glu Glu Glu Thr Ser Val Thr Ile Leu Asp Ser Ser
1   5   10   15

Glu Glu Asp Lys
            20

<210> 713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 713
Ser Gly Asp Tyr Glu Glu Ala Val Met Tyr Tyr Thr Arg Ser Ile Ser
1   5   10   15

Ala Leu Pro Thr
            20

<210> 714
<211> 20
<212> PRT
<213> Homo sapiens

<400> 714
Gly Arg Glu Val Glu Asn Leu Ile Leu Glu Asn Thr Gln Leu Leu Glu
1   5   10   15

Thr Lys Asn Ala
            20

<210> 715
<211> 20
<212> PRT

<213> Homo sapiens

<400> 715
Ile Asp Val Val Glu Ser Glu Ala Val Ser Val Leu His His Trp Leu
1   5   10   15

Lys Lys Thr Glu
            20

<210> 716
<211> 20
<212> PRT
<213> Homo sapiens

<400> 716
Tyr Ala Thr Lys Arg Asp Ile Tyr Tyr Thr Asp Ser Gln Leu Phe Gly
1   5   10   15

Asn Gln Thr Val
            20

<210> 717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 717
His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile Ser
1   5   10   15

Asp Pro Glu Glu
            20

<210> 718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 718
Gln Ile Pro Glu Lys Ile Gln Lys Ala Phe Asp Asp Ile Ala Lys Tyr
1   5   10   15

Phe Ser Lys Glu
            20

<210> 719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 719
Pro Gly Lys Pro Thr Thr Ser Glu Lys Ile Asn Met Ile Ser Gly Val
1   5   10   15

Leu Gln Arg Tyr
            20

<210> 720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 720
Gly Lys His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val
1   5   10   15

Val Tyr Glu Glu
            20

<210> 721
<211> 20
<212> PRT
<213> Homo sapiens

<400> 721
Ala Thr Leu Pro Pro Phe Met Arg Asn Lys Arg Val Ala Asp Phe Gln
1   5   10   15

Gly Asn Asp Phe
            20

<210> 722
<211> 20
<212> PRT
<213> Homo sapiens

<400> 722
Ala Phe Leu Ser Val Lys Lys Gln Phe Glu Glu Leu Thr Leu Gly Glu
1   5   10   15

Phe Leu Lys Leu

20

<210> 723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 723
Ala Glu Gly Pro Ser Thr Leu Asp Glu Gly Leu Phe Leu Arg Ser Gln
1 5 10 15

Glu Ala Ala Ala
20

<210> 724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 724
Asp Glu Val Pro Asp Glu Val Glu Asn Gln Phe Ile Leu Arg Leu Pro
1 5 10 15

Leu Glu His Ala
20

<210> 725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 725
Asn Glu Ser Ala Val Thr Gly Tyr Lys Met Leu Tyr Gln Asn Asp Leu
1 5 10 15

His Leu Thr Pro
20

<210> 726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 726
Asp Lys Thr Ile Gln Ala Asn Val Leu Glu Ile Ile Ser Pro Asn Leu
1 5 10 15

Phe Tyr Ala Leu
            20

<210> 727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 727
Asp Asn Ile Lys His Ser Gln Asn Met Arg Ala Asn Ser Ile Gln Leu
1   5   10   15

Arg Glu Glu Ala
            20

<210> 728
<211> 20
<212> PRT
<213> Homo sapiens

<400> 728
Gln Gly Phe Ile His Arg Ser Leu Ser Ser Tyr Ala Val His Ile Ile
1   5   10   15

Ser Pro Gly Glu
            20

<210> 729
<211> 20
<212> PRT
<213> Homo sapiens

<400> 729
Val Thr Glu Leu Glu Tyr Asn Tyr Asn Gln Phe Ser Thr Leu Leu Lys
1   5   10   15

Asn Val Met Ser
            20

<210> 730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 730
Pro Lys Ile Arg Asp Asn Phe Trp Ser Met Pro Met Ser Glu Val Ser
1   5   10   15

Gln Val Ser Arg
            20

<210> 731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 731
Ser Phe Tyr Phe Trp Leu His Thr Ser Phe Ile Glu Asn Asn Arg Leu
1   5   10   15

Tyr Leu Pro Lys
            20

<210> 732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 732
Val Leu Gly Glu Ala Trp Arg Asp Gln Val Asp Trp Ser Arg Leu Leu
1   5   10   15

Arg Asp Ala Gly
            20

<210> 733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 733
Lys Ala Arg Gln Ser Glu Ala Asp Asn Asn Thr Leu Lys Leu Glu Leu
1   5   10   15

Ile Thr Ala Glu
            20

<210> 734
<211> 20

<212> PRT
<213> Homo sapiens

<400> 734
Asp Pro Glu Ala Val Ala Arg Arg Trp Pro Trp Met Val Ser Val Arg
1   5   10   15

Ala Asn Gly Thr
            20

<210> 735
<211> 20
<212> PRT
<213> Homo sapiens

<400> 735
Phe Trp Ala Asn Val Ile Ala Asn His Pro Gln Met Ser Ala Leu Ile
1   5   10   15

Thr Asp Glu Asp
            20

<210> 736
<211> 20
<212> PRT
<213> Homo sapiens

<400> 736
Asp Ser Phe Gln Asp Tyr Ile Lys Ser Tyr Leu Glu Gln Ala Ser Arg
1   5   10   15

Ile Trp Ser Trp
            20

<210> 737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 737
Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
1   5   10   15

Trp Thr Glu Gly
            20

<210> 738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 738
Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser Leu Gln
1   5   10   15

Pro Pro Glu Leu
            20

<210> 739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 739
Gly Lys Thr Phe Arg Val Ser Ser His Leu Ile Arg His Phe Arg Ile
1   5   10   15

His Thr Gly Glu
            20

<210> 740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 740
Leu Gln Gly Leu Arg Arg Leu Glu Leu Ala Ser Asn His Phe Leu Tyr
1   5   10   15

Leu Pro Arg Asp
            20

<210> 741
<211> 20
<212> PRT
<213> Homo sapiens

<400> 741
Glu Asp Val Arg Val Ser Gly Trp Leu Gln Thr Glu Phe Leu Ser Phe
1   5   10   15

Gln Asp Gly Asp
20

<210> 742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 742
Met Gln Arg Val Ala Pro Glu Met Phe Phe Ser Pro Gln Val Phe Glu
1 5 10 15

Gln Pro Gly Pro
20

<210> 743
<211> 20
<212> PRT
<213> Homo sapiens

<400> 743
Gly Leu Gly Gly Leu Arg Met Asp Ser Asn Phe Asp Ser Leu Pro Val
1 5 10 15

Gln Ile Thr Val
20

<210> 744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 744
Leu Gln Ile Asn Asp Phe Ala Tyr Glu Ile Lys Pro Leu Ala Phe Ser
1 5 10 15

Thr Thr Phe Glu
20

<210> 745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 745
Asp Leu Ala Thr Ile Phe Phe Ala Gln Phe Val Gln Glu Ala Thr Tyr

1 5 10 15

Lys Glu Val Ser
20

<210> 746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 746
Asn Arg Asn Val Asn Phe Ala Met Lys Ser Glu Thr Lys Leu Arg Glu
1 5 10 15

Lys Met Tyr Ser
20

<210> 747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 747
Ser Lys Gly Leu Met Val Tyr Ala Asn Gln Val Ala Ser Asp Met Met
1 5 10 15

Val Ser Leu Met
20

<210> 748
<211> 20
<212> PRT
<213> Homo sapiens

<400> 748
Ser Asp Thr Ser Gly Asp Phe Arg Lys Leu Met Val Ala Leu Ala Lys
1 5 10 15

Gly Arg Arg Ala
20

<210> 749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 749
Val Asp Ala Val Lys Leu Gln Leu Pro Asp Tyr Tyr Thr Ile Ile Lys
1   5   10   15

Asn Pro Met Asp
            20

<210> 750
<211> 20
<212> PRT
<213> Homo sapiens

<400> 750
Ser Lys Pro Arg Leu Val Val Pro Tyr Gly Leu Lys Thr Leu Leu Glu
1   5   10   15

Gly Ile Ser Arg
            20

<210> 751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 751
Tyr His Ser Leu Asn Glu Glu Leu Asp Phe Leu Val Thr Ser Tyr Glu
1   5   10   15

Glu Ile Ile Glu
            20

<210> 752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 752
Ala Ile Ser Ala Arg Phe Lys Pro Phe Ser Asn Lys Gly Lys Thr Leu
1   5   10   15

Val Ile Gln Tyr
            20

<210> 753

<211> 20
<212> PRT
<213> Homo sapiens

<400> 753
Asp Lys Glu Leu Asn Asp Met Val Ala Val His Gln Gln Gln Leu Leu
1   5   10   15

Ser Trp Glu Glu
            20

<210> 754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 754
Leu Lys Thr Glu Glu Asn Ser Phe Lys Arg Leu Met Ile Val Lys Lys
1   5   10   15

Glu Lys Leu Ala
            20

<210> 755
<211> 20
<212> PRT
<213> Homo sapiens

<400> 755
Gln Leu Gln Val Gln Arg Glu Ile Val Asn Lys His Asn Glu Leu Arg
1   5   10   15

Lys Ala Val Ser
            20

<210> 756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 756
Ala Met Ser Lys Ala Lys Lys Leu Met Thr Gly His Ala Ile Pro Pro
1   5   10   15

Ser Gln Leu Asp
            20

<210> 757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 757
Ser Asn Glu Ser Ser Met Leu Ser Thr Asp Thr Lys Lys Ala Ser Ile
1   5   10   15

Leu Leu Ile Arg
            20

<210> 758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 758
Glu Glu Gly Glu Gln Ala Ala Gly Leu Ala Ala Val Pro Arg Gly Gly
1   5   10   15

Ser Ala Glu Glu
            20

<210> 759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 759
Thr Glu Leu Tyr Gln Glu Asn Glu Met Lys Leu Tyr Arg Lys Leu Ile
1   5   10   15

Val Glu Glu Lys
            20

<210> 760
<211> 20
<212> PRT
<213> Homo sapiens

<400> 760
Ser Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys
1   5   10   15

Ile Phe Gln Met
            20

<210> 761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 761
Asn Met Ala Phe Val Thr Ser Gly Glu Leu Val Arg His Arg Arg Tyr
1   5   10   15

Lys His Thr His
            20

<210> 762
<211> 20
<212> PRT
<213> Homo sapiens

<400> 762
Arg Gly Ser Gln Lys Lys His Ile Ser Pro Val Gln Ala Leu Ser Glu
1   5   10   15

Phe Lys Ala Met
            20

<210> 763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 763
Val Thr Ser Ile Asn Glu Asp Asn Ile Tyr Ile Ser Asn Ser Ile Tyr
1   5   10   15

Phe Ser Ile Ala
            20

<210> 764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 764

Asn Ser Thr Ala Leu Ala Leu Val Arg Pro Ser Ser Ser Gly Leu Ile
1   5   10   15

Asn Ser Asn Thr
            20

<210> 765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 765
His Gln Thr Ala Ile Lys Arg Asn Asn Pro Arg Lys Phe Leu Arg Ser
1   5   10   15

Val Gly Asp Gly
            20

<210> 766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 766
Ser Arg Val Pro Val Tyr Ala His Ile Thr His Lys Ala Leu Lys Asp
1   5   10   15

Ile Pro Lys Glu
            20

<210> 767
<211> 20
<212> PRT
<213> Homo sapiens

<400> 767
Ser Thr Leu Val Ile Pro Ser Ala Ala Ala Pro Ile His Asp Ala Asp
1   5   10   15

Ala Gln Glu Ser
            20

<210> 768
<211> 20
<212> PRT

<213> Homo sapiens

<400> 768
Gln Ser Val Pro Gln Phe Phe Thr Phe Glu Asp Ala Pro Ser Tyr Pro
1   5   10   15

Glu Ala Arg Ala
            20

<210> 769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 769
Gly Arg Leu Leu Ser Ala Asp Thr Lys Gly Trp Val Arg Leu Gln Phe
1   5   10   15

His Ala Gly Gln
            20

<210> 770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 770
Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn Val Ile Thr Ile Asp Leu
1   5   10   15

Val Gln Asn Ser
            20

<210> 771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 771
Ala Ile Ser Tyr Arg Lys Phe Thr Ser Ala Ser Asp Val Trp Ser Phe
1   5   10   15

Gly Ile Val Met
            20

<210> 772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 772
Ser Val Asp Ser Phe Gln Ile Val Leu Asp Pro Met Leu Asp Phe Tyr
1   5   10   15

Ser Asp Lys Asn
            20

<210> 773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 773
Pro Gly Thr Asp Ala Val Ala Gln Thr Ser Leu Glu Glu Phe Asn Val
1   5   10   15

Leu Glu Met Glu
            20

<210> 774
<211> 20
<212> PRT
<213> Homo sapiens

<400> 774
Met Gly Lys Arg Leu Asp Tyr Leu Asn Leu Lys Gly Ala Arg Leu Thr
1   5   10   15

Val Glu Gln Gly
            20

<210> 775
<211> 20
<212> PRT
<213> Homo sapiens

<400> 775
Lys Arg Lys Arg Lys Ser Glu Met Leu Gln Lys Ala Ala Arg Gly Arg
1   5   10   15

Glu Glu His Gly

20

<210> 776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 776
Lys Arg Pro Ser Phe Leu Asp Asp Pro Leu Tyr Gly Ile Ser Val Ser
1 5 10 15

Leu Ser Ser Glu
20

<210> 777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 777
His Phe Leu Glu Ser His Tyr Leu His Glu Gln Val Lys Thr Ile Lys
1 5 10 15

Glu Leu Gly Gly
20

<210> 778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 778
His His Glu Ile Phe Asn Leu Leu Ser Phe Thr Leu Asn Pro Leu Glu
1 5 10 15

Gly Lys Leu Gln
20

<210> 779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 779
Asp Gln Pro Arg Trp Val Ser His His His Pro Ala Val Leu Asn Gly
1 5 10 15

Gln His Pro Asp
            20

<210> 780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 780
Asp Met Val Asn Glu Leu Phe Asp Ser Leu Phe Pro Val Ile Tyr Thr
1   5   10   15

Gln Leu Met Asn
            20

<210> 781
<211> 20
<212> PRT
<213> Homo sapiens

<400> 781
Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val Thr Leu Asp Ile Val Gln
1   5   10   15

Gly Ile Glu Ser
            20

<210> 782
<211> 20
<212> PRT
<213> Homo sapiens

<400> 782
Met Ser Ser Thr Asp Lys Val Ile Val Phe Val Ser Arg Lys Ala Val
1   5   10   15

Ala Asp His Leu
            20

<210> 783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 783
Glu Leu Leu Lys Tyr His Gln Arg Val Leu Tyr Ile Asp Ile Asp Ile
1   5   10   15

His His Gly Asp
            20

<210> 784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 784
Phe Lys Pro Ile Ile Ser Lys Val Met Glu Met Tyr Gln Pro Ser Ala
1   5   10   15

Val Val Leu Gln
            20

<210> 785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 785
Gln Asn Ser Arg Gln Tyr Leu Asp Gln Ile Arg Gln Thr Ile Phe Glu
1   5   10   15

Asn Leu Lys Met
            20

<210> 786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 786
Gly Asp Leu Val Asp Thr Gln Ser Asp Leu Ile Ala Thr Gln Arg Asp
1   5   10   15

Leu Ile Ala Thr
            20

<210> 787
<211> 20

<212> PRT
<213> Homo sapiens

<400> 787
Thr Gly Thr Met Pro Ala Thr Asn Val Ser Ile Phe Ile Asn Asn Thr
1   5   10   15

Gln Leu Ser Asp
            20

<210> 788
<211> 20
<212> PRT
<213> Homo sapiens

<400> 788
Glu Ile Lys Val Asn Pro Pro Gln Asp Phe Glu Ile Val Asp Pro Gly
1   5   10   15

Tyr Leu Gly Tyr
            20

<210> 789
<211> 20
<212> PRT
<213> Homo sapiens

<400> 789
Ile Glu Glu Ile Pro Ala Tyr Leu Pro Asn Gly Ala Ala Leu Lys Asp
1   5   10   15

Ser Val Gln Arg
            20

<210> 790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 790
Leu Asp Lys Leu Asn Gly Phe Gln Leu Glu Asn Phe Thr Leu Lys Val
1   5   10   15

Ala Tyr Ile Pro
            20

<210> 791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 791
Lys Lys Asn Ser Tyr His Phe Ser Ala Gly Phe Gly Ser Pro Ile Glu
1   5   10   15

Asp Lys Ser Glu
            20

<210> 792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 792
Gly Ala Arg Arg Pro Asp Ser Arg Leu Leu Gln Leu His Ile Thr Met
1   5   10   15

Pro Phe Ser Ser
            20

<210> 793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 793
Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro Val Ser Thr Met Val
1   5   10   15

Lys Gly Leu Tyr
            20

<210> 794
<211> 20
<212> PRT
<213> Homo sapiens

<400> 794
Leu Ser Thr Glu Lys Ser Lys Lys Leu Lys Lys Trp Pro Glu Ala Ser
1   5   10   15

Thr Thr Lys Arg
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<210> 795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 795
Ser Arg Gly Ala Thr Thr Phe Ile Tyr Asn Arg Ala Val Lys Asn Thr
1 5 10 15

Arg Lys Val Ala
20

<210> 796
<211> 20
<212> PRT
<213> Homo sapiens

<400> 796
Ile Thr Lys Lys Val Ala Asp Leu Val Gly Phe Leu Leu Leu Lys Tyr
1 5 10 15

Arg Ala Arg Glu
20

<210> 797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 797
Gln Asp Arg Ile Ala Thr Thr Asp Asp Thr Thr Ala Met Ala Ser Ala
1 5 10 15

Ser Ser Ser Ala
20

<210> 798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 798
Gly Ser Val Ile Lys Asn Tyr Glu Asp Tyr Phe Pro Glu Ile Phe Arg

1 5 10 15

Glu Ala Ser Val
20

<210> 799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 799
Lys Ala Ser Glu Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu
1 5 10 15

Val Val Arg Ile
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<210> 800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 800
Ser Lys Ala Ser Glu Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val
1 5 10 15

Glu Val Val Pro
20

<210> 801
<211> 20
<212> PRT
<213> Homo sapiens

<400> 801
Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr
1 5 10 15

Leu Gly Glu Val
20

<210> 802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 802
Ala Thr Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Thr Leu Val Glu
1   5   10   15

Val Thr Leu Gly
            20

<210> 803
<211> 20
<212> PRT
<213> Homo sapiens

<400> 803
Val Arg Val Asn Ala Arg Val Arg Ile Ser Tyr Pro Ser Leu His Glu
1   5   10   15

Glu Ala Leu Gly
            20

<210> 804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 804
Val Gly Lys Glu His Met Phe Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 805
Met His Phe Ile Leu Arg Lys Tyr Lys Met Arg Glu Pro Ile Met Lys
1   5   10   15

Ala Asp Met Leu
            20

<210> 806

<211> 20
<212> PRT
<213> Homo sapiens

<400> 806
Glu Ser Leu Leu Ser Ser Trp Asp Phe Pro Arg Arg Lys Leu Leu Met
1 5 10 15

Pro Leu Leu Gly
20

<210> 807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 807
Val Gln Phe Leu Met Glu Met Tyr Lys Met Lys Lys Pro Ile Met Lys
1 5 10 15

Ala Asp Met Leu
20

<210> 808
<211> 20
<212> PRT
<213> Homo sapiens

<400> 808
Phe Pro Glu Ile Phe Arg Lys Val Ser Gln Arg Thr Glu Leu Val Phe
1 5 10 15

Gly Leu Ala Leu
20

<210> 809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 809
Asp Ser Ser Gly Glu Ser Tyr Thr Leu Val Ser Lys Leu Gly Leu Pro
1 5 10 15

Ser Glu Gly Ile
20

<210> 810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 810
Glu Phe Leu Ala Met Leu Lys Asn Thr Val Pro Ile Thr Phe Pro Ser
1   5   10   15

Ser Tyr Lys Asp
            20

<210> 811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 811
Pro Arg Glu Leu Leu Thr Lys Val Trp Val Gln Gly His Tyr Leu Glu
1   5   10   15

Tyr Arg Glu Val
            20

<210> 812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 812
Glu Lys Pro Leu Asn Ser Phe Gln Tyr Gln Arg Arg Gln Ala Met Gly
1   5   10   15

Ile Pro Phe Ile
            20

<210> 813
<211> 20
<212> PRT
<213> Homo sapiens

<400> 813
Arg Ala Lys Arg Lys Leu Tyr Thr Ser Glu Ile Ser Ser Pro Ile Asp
1   5   10   15

Ile Ser Gly Gln
            20

<210> 814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 814
Thr Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe
1   5   10   15

His Ile Ser Asn
            20

<210> 815
<211> 20
<212> PRT
<213> Homo sapiens

<400> 815
Thr Glu Thr Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr
1   5   10   15

Lys Arg Lys Gln
            20

<210> 816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 816
Ser Thr Thr Ser Val Tyr Ser Ser Phe Val Phe Asn Leu Phe Thr Pro
1   5   10   15

Glu Gly Ala Glu
            20

<210> 817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 817

Arg Ser Leu Asp Pro Gln Ser Tyr Ser Leu Ile His Gln Leu Leu Ser
1   5   10   15

Ala Glu Asp Leu
            20

<210> 818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 818
Asp Asn Glu Trp Asn Tyr Thr Arg Ala Gly Gln Ala Phe Thr Met Leu
1   5   10   15

Gln Thr Glu Gly
            20

<210> 819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 819
Ser Ser Glu Ile Val Gly Met Leu Leu Gln Gln Asn Val Asp Val Phe
1   5   10   15

Ala Ala Asp Ile
            20

<210> 820
<211> 20
<212> PRT
<213> Homo sapiens

<400> 820
Asp Asp Met Tyr Ile Val Gln Lys Tyr Ile Ser Asn Pro Leu Leu Ile
1   5   10   15

Gly Arg Tyr Lys
            20

<210> 821
<211> 20
<212> PRT

<213> Homo sapiens

<400> 821
Ala Thr Ser Ala Gln Asn Ile Glu Phe Leu Gln Val Ile Ala Lys Arg
1   5   10   15

Glu Glu Ala Ile
            20

<210> 822
<211> 20
<212> PRT
<213> Homo sapiens

<400> 822
Pro Ala Ala Tyr Arg Gln Thr Asp Val Arg Val Thr Lys Phe Lys Ala
1   5   10   15

Pro Gln Tyr Thr
            20

<210> 823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 823
Asn Ile Trp Ile Phe Glu Leu Glu Arg Asn Val Ser Ile Pro Ile Gly
1   5   10   15

Trp Ser Tyr Phe
            20

<210> 824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 824
Asn Asn Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly Ser
1   5   10   15

Leu Lys Gly Ser
            20

<210> 825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 825
Arg Ala Asp Pro Val Asp Leu Glu Phe Ser Val Asp Gln Val Asp Ser
1   5   10   15

Val Asp Gln Glu
            20

<210> 826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 826
Phe Asp Asp Glu Ala Tyr Tyr Ala Ala Leu Gly Thr Arg Pro Pro Ile
1   5   10   15

Asn Met Glu Glu
            20

<210> 827
<211> 20
<212> PRT
<213> Homo sapiens

<400> 827
Ser Gln Glu Ile Glu Met His Ala Asp Asn Pro Ala Ala Ile Gln Thr
1   5   10   15

Val Val Leu Gln
            20

<210> 828
<211> 20
<212> PRT
<213> Homo sapiens

<400> 828
Ile Tyr Thr Arg Arg Asn Tyr Glu Ala Ala Asn Ser Leu Ile Gln Asn
1   5   10   15

Leu Phe Lys Val

20

<210> 829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 829
Ala Ala Ser Ile Arg Arg Thr Asp Gly Gly Leu Phe Leu Leu Ala Asp
1 5 10 15

Val Ser His Lys
20

<210> 830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 830
Lys Lys Lys Ala Ile Gln Leu Tyr Arg His Gly Thr Ser Leu Glu Ile
1 5 10 15

Trp Leu Gly Tyr
20

<210> 831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 831
Ser Asn Lys Ala Lys Ala Phe Asp Gly Ala Ile Leu Phe Leu Ser Gln
1 5 10 15

Lys Leu Glu Glu
20

<210> 832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 832
Gln Leu Thr Thr Leu Ser Phe Tyr Gly Asn Ser Ile Ser Ile Ser Ala
1 5 10 15

Leu Gln Ser Leu
            20

<210> 833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 833
Glu Ala Glu Val Gly Glu Phe Pro Trp Gln Val Ser Ile Gln Ala Arg
1   5   10   15

Ser Glu Pro Phe
            20

<210> 834
<211> 20
<212> PRT
<213> Homo sapiens

<400> 834
Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn Phe Thr Glu Ile Ala
1   5   10   15

Ser Lys Phe Ser
            20

<210> 835
<211> 20
<212> PRT
<213> Homo sapiens

<400> 835
Lys Arg Arg Gly Pro Ala Tyr Val Met Glu Leu Pro Lys Leu Lys Leu
1   5   10   15

Ser Gly Val Val
            20

<210> 836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 836
Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg Glu Pro Leu Asn
1   5   10   15

Phe Gly Ile Pro
            20

<210> 837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 837
Pro Ala Pro Asp Asn Val Leu Leu Thr Leu Arg Pro Arg Arg Ile Asn
1   5   10   15

Met Thr Asp Thr
            20

<210> 838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 838
Ala Pro Arg Leu Ala Glu Tyr Gln Ala Tyr Ile Asp Phe Glu Met Lys
1   5   10   15

Ile Gly Asp Pro
            20

<210> 839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 839
His Asp Leu Glu Ile Gln Leu Thr Ala Ile Thr Thr Ser Glu Gln Tyr
1   5   10   15

Tyr Ser Lys Glu
            20

<210> 840
<211> 20

<212> PRT
<213> Homo sapiens

<400> 840
Arg Leu Lys Thr Ile Lys Gln Leu Tyr Glu Gln Phe Ile Lys Ser Met
1   5   10   15

Glu Glu Leu Glu
            20

<210> 841
<211> 20
<212> PRT
<213> Homo sapiens

<400> 841
Asn Thr Arg Glu Pro Ala Ala Glu Ile Glu Ala Leu Leu Gly Met Asp
1   5   10   15

Leu Val Arg Leu
            20

<210> 842
<211> 20
<212> PRT
<213> Homo sapiens

<400> 842
Glu Ala Gly Ala Ala Ala Leu Arg Asn Val Ala Gln Arg Leu Phe Glu
1   5   10   15

Asn Tyr Gln Thr
            20

<210> 843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 843
Asp Phe Gln Lys Glu Tyr Gln Leu Lys Thr Ile Glu Lys Leu Ala Leu
1   5   10   15

Glu Lys Ser Tyr
            20

<210> 844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 844
Ala Ala Gln Leu Ala Ser Met Gln Val Ser Pro Gly Ala Lys Met Pro
1   5   10   15

Ser Thr Pro Gln
            20

<210> 845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 845
Ser Asn Thr His Tyr Arg Ile Pro Gln Gly Phe Gly Asn Leu Leu Glu
1   5   10   15

Gly Leu Thr Arg
            20

<210> 846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 846
Thr Pro Asn Asn His Phe Thr Leu Glu Asp Ile Gln Ala Leu Lys Arg
1   5   10   15

Gln Tyr Glu Leu
            20

<210> 847
<211> 20
<212> PRT
<213> Homo sapiens

<400> 847
Ser Thr Ala His Ser Arg Ile Arg Lys Glu Arg Pro Ile Ser Leu Gly
1   5   10   15

Ile Phe Pro Leu
            20

<210> 848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 848
His Leu Ser Lys Ser Asp Leu Leu Ala Asn Gln Ser Gln Glu Val Leu
1   5   10   15

Glu Glu Arg Thr
            20

<210> 849
<211> 20
<212> PRT
<213> Homo sapiens

<400> 849
Arg Ser Ser Trp Glu Asn Ile Lys Phe Glu Asp Ser Val Gly Leu Gln
1   5   10   15

Met Val Ser His
            20

<210> 850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 850
Gly Lys His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val
1   5   10   15

Ile Tyr Glu Glu
            20

<210> 851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 851
Gly Phe Lys Ala Ile Leu Pro Ser Phe Met Arg Asn Lys Arg Val Thr

1 5 10 15

Asp Phe Gln Gly
20

<210> 852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 852
Ile Ser Glu Lys Leu Arg Lys Ala Phe Asp Asp Ile Ala Lys Tyr Phe
1 5 10 15

Ser Lys Lys Glu
20

<210> 853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 853
His Arg Val Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile Ser
1 5 10 15

Asp Pro Gln Glu
20

<210> 854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 854
Met Gly Gln His Lys Asp Leu Trp Asp Phe His Met Pro Glu Arg Leu
1 5 10 15

Ala Lys Glu Ile
20

<210> 855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 855
Asp Ala Asp Ser Ser Ala Gln Ala Ala Ala Gln Ala Pro Glu Asn Phe
1   5   10   15

Gln Glu Gly Lys
            20

<210> 856
<211> 20
<212> PRT
<213> Homo sapiens

<400> 856
Ala Ala Val Ala Leu Val Ser Ser Ser Ala Trp Ser Ser Ala Leu Gly
1   5   10   15

Ser Gln Thr Thr
            20

<210> 857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 857
Ile Met Leu Leu Lys Asn Phe Met Leu Asn Gln Asn Val Met Leu Ser
1   5   10   15

Val Lys Gly Ile
            20

<210> 858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 858
Leu Val Asn Glu Val Phe Thr Ile Asp Asp Thr Leu Gln Thr Leu Lys
1   5   10   15

Leu Arg Leu Arg
            20

<210> 859

<211> 20
<212> PRT
<213> Homo sapiens

<400> 859
Leu Leu Gln Ile Ser Asp Ala Leu Arg Tyr Leu His Phe Gln Gly Phe
1   5   10   15

Ile His Arg Ser
            20

<210> 860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 860
Lys Asp Leu Arg Arg His Lys Ile Tyr Gly Arg Lys Arg Arg Leu Thr
1   5   10   15

Ser Gln Asp Ser
            20

<210> 861
<211> 20
<212> PRT
<213> Homo sapiens

<400> 861
Glu Asp Ile Pro Glu Ile Ser Arg Leu Ser Ile Ser Gln Lys Leu Pro
1   5   10   15

Ser Thr Thr Met
            20

<210> 862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 862
Glu Arg Arg Gln Gln Tyr Phe Ser Asp Leu Phe Asn Ile Leu Asp Thr
1   5   10   15

Ala Ile Ile Val
            20

<210> 863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 863
Ser Glu Ile Glu Leu Leu Arg Ser Gln Met Ala Asn Glu Arg Ile Ser
1   5   10   15

Met Gln Asn Leu
            20

<210> 864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 864
Ser Asp Val Pro Val Leu Gln Val Ile Met His Ser Arg Tyr Arg Ala
1   5   10   15

Gln Arg Phe Trp
            20

<210> 865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 865
Asp Arg Arg Gly Ala Val Ile Gln Ser Val Pro Gly Phe Trp Ala Asn
1   5   10   15

Val Ile Ala Asn
            20

<210> 866
<211> 20
<212> PRT
<213> Homo sapiens

<400> 866
Glu Lys Asp Lys Phe Phe Ala Tyr Leu Thr Leu Ala Lys His Thr Ile
1   5   10   15

Ser Ser Asp Tyr
            20

<210> 867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 867
Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp Asn
1   5   10   15

Leu Tyr Gln Met
            20

<210> 868
<211> 20
<212> PRT
<213> Homo sapiens

<400> 868
Gly Lys Ala Phe Arg His Ser Ser Lys Leu Ala Arg His Gln Arg Ile
1   5   10   15

His Thr Gly Glu
            20

<210> 869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 869
Phe Ser Gly Ser Asn Ala Ser Val Ser Ala Pro Ser Pro Leu Val Glu
1   5   10   15

Leu Ile Leu Asn
            20

<210> 870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 870

Ser Gln Pro Val Ser Ile Leu Ser Pro Asn Thr Leu Lys Glu Ile Glu
1   5   10   15

Ala Ser Ala Glu
            20

<210> 871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 871
Ile Glu Arg Gly Arg Ile Leu Asn Trp Glu Gly Val Gln Tyr Leu Trp
1   5   10   15

Ser Phe Val Leu
            20

<210> 872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 872
Gln Asp Phe Ala Lys Tyr Ile Glu Met His Val Ile Val Glu Lys Gln
1   5   10   15

Leu Tyr Asn His
            20

<210> 873
<211> 20
<212> PRT
<213> Homo sapiens

<400> 873
Ser Lys His Leu Pro Val Phe Thr Tyr Thr Asp Gln Gly Ala Ile Leu
1   5   10   15

Glu Asp Gln Pro
            20

<210> 874
<211> 20
<212> PRT

<213> Homo sapiens

<400> 874
Tyr Lys Glu Val Ser Lys Met Val Lys Asp Ala Leu Thr Ala Ile Glu
1   5   10   15

Lys Pro Thr Gly
            20

<210> 875
<211> 20
<212> PRT
<213> Homo sapiens

<400> 875
Lys Gln Leu Gln Ala Val Leu Gln Trp Val Ala Ala Ser Glu Leu Asn
1   5   10   15

Val Pro Ile Leu
            20

<210> 876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 876
Lys Gln Leu Gln Ala Val Leu Gln Trp Ile Ala Ala Ser Gln Phe Asn
1   5   10   15

Val Pro Met Leu
            20

<210> 877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 877
Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His Leu Gln
1   5   10   15

Lys Val Phe Asp
            20

<210> 878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 878
Leu Lys Ala Val His Gln Gln Leu Gln Val Leu Ser Gln Val Pro Phe
1   5   10   15

Arg Lys Leu Asn
            20

<210> 879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 879
Thr Met Tyr Arg Gly Asn Thr Thr Met Asp Ile Lys Asp Leu Val Lys
1   5   10   15

Gln Phe His Gln
            20

<210> 880
<211> 20
<212> PRT
<213> Homo sapiens

<400> 880
Glu Lys Val Ser Asp Ile Met Leu Gln Lys Leu Lys Ser Leu His Leu
1   5   10   15

Lys Lys Lys Thr
            20

<210> 881
<211> 20
<212> PRT
<213> Homo sapiens

<400> 881
Asp Ser Arg Phe Gly His Phe Arg Leu Ser Ser Gly Lys Phe Tyr Gly
1   5   10   15

His Lys Glu Lys

20

<210> 882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 882
Ser Arg Gln Met Val Thr Asp Leu Glu Leu Ser Thr Leu Leu Pro Ile
1 5 10 15

Ser His Glu Asn
20

<210> 883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 883
Lys Ser Ser Ala Asp Lys Met Gln Gln Leu Asn Ala Ala His Gln Glu
1 5 10 15

Ala Leu Met Lys
20

<210> 884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 884
Pro Ala Ser Asn Met Leu Lys Met Glu Trp Ser Arg Glu Val Thr Thr
1 5 10 15

Asn Ala Gln Arg
20

<210> 885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 885
Ser Gln Ile Asp Asp Phe Thr Gly Phe Ser Lys Asp Arg Met Met Gln
1 5 10 15

Lys Pro Gly Ser
            20

<210> 886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 886
Lys Lys Ala Ser Ile Leu Leu Ile Arg Lys Ile Tyr Ile Leu Met Gln
1   5   10   15

Asn Leu Gly Pro
            20

<210> 887
<211> 20
<212> PRT
<213> Homo sapiens

<400> 887
Asp Ser Gly Pro Asp Ser Ser Asp Val Val Pro Ala Ala Glu Val Val
1   5   10   15

Gly Val Ala Gly
            20

<210> 888
<211> 20
<212> PRT
<213> Homo sapiens

<400> 888
Leu Glu Gly Glu Arg Asn Gln Ile Tyr Ile Gln Leu Ser Glu Val Asp
1   5   10   15

Lys Thr Lys Glu
            20

<210> 889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 889
Leu Leu Glu Lys Asp Pro Tyr Ala Leu Asp Val Pro Asn Thr Ala Phe
1   5   10   15

Gly Arg Glu His
            20

<210> 890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 890
Met Ser Gly Asp Glu Arg Ser Asp Glu Ile Val Leu Thr Val Ser Asn
1   5   10   15

Ser Asn Val Glu
            20

<210> 891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 891
Phe Gly Lys Glu Met Val Lys Leu Asn Tyr Val Ala Ala Arg Arg Gln
1   5   10   15

Gln Glu Leu Lys
            20

<210> 892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 892
Gly Tyr Val Pro Gln Val Asp Asp Ile Val Asn Val Val Met Val Glu
1   5   10   15

Ser Ile Gln Phe
            20

<210> 893
<211> 20

<212> PRT
<213> Homo sapiens

<400> 893
Ser Met Val Glu Asn Lys Leu Val Glu Leu Glu His Thr Leu Leu Ser
1   5   10   15

Lys Gly Phe Arg
            20

<210> 894
<211> 20
<212> PRT
<213> Homo sapiens

<400> 894
Val Leu Gly Thr Val Lys Trp Phe Asn Val Arg Asn Gly Tyr Gly Phe
1   5   10   15

Ile Asn Arg Asn
            20

<210> 895
<211> 20
<212> PRT
<213> Homo sapiens

<400> 895
His Lys Asp Trp Ile Phe Ser Ile Ala Trp Ile Ser Asp Thr Met Ala
1   5   10   15

Val Ser Gly Ser
            20

<210> 896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 896
Val Ala Phe Trp Ile Ile Lys Leu Pro Arg Arg Arg Ser His Gln Asp
1   5   10   15

Ala Leu Glu Gly
            20

<210> 897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 897
Ser Ser Gln Tyr Arg Met His Ser Tyr Tyr Pro Pro Pro Ser Tyr Leu
1   5   10   15

Gly Gln Ser Val
            20

<210> 898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 898
Gln Gln Leu Gly Leu Ser Thr Asn Gly Lys Lys Ile Glu Val Tyr Leu
1   5   10   15

Arg Leu His Arg
            20

<210> 899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 899
Val Asp Glu Lys Ala Pro Glu Phe Ser Met Gln Gly Leu Lys Ala Gly
1   5   10   15

Val Ile Ala Val
            20

<210> 900
<211> 20
<212> PRT
<213> Homo sapiens

<400> 900
Lys Glu Thr Phe Asn Leu Tyr Tyr Ala Glu Ser Asp Leu Asp Tyr Gly
1   5   10   15

Thr Asn Phe Gln
20

<210> 901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 901
Asn Leu Thr Trp Asp Gln Val Ile Thr Leu Asp Gln Val Leu Asp Glu
1 5 10 15

Val Ile Pro Ile
20

<210> 902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 902
Thr Arg Pro Lys Lys Met Gly Ser Gln Leu Pro Lys Pro Arg Met Leu
1 5 10 15

Arg Glu Ser Gly
20

<210> 903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 903
Arg Lys Trp Asn Gln Met Met Tyr Ser Ala Glu Leu Trp Arg Tyr Arg
1 5 10 15

Thr Ile Thr Phe
20

<210> 904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 904
Arg Ser Leu Phe Trp Arg Ser Glu Pro Ala Asp Asp Leu Gln Arg Gln

1 5 10 15

Asp Asn Arg Val
20

<210> 905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 905
Ala Ile Gln Lys Met Lys Lys Leu Asp Lys Ile Leu Ala Lys Lys Gln
1 5 10 15

Arg Arg Glu Lys
20

<210> 906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 906
Leu Ser Asp Asp Lys Met Glu His Ala Gln Lys Leu Met Arg Leu Gln
1 5 10 15

Asn Leu Arg Gly
20

<210> 907
<211> 20
<212> PRT
<213> Homo sapiens

<400> 907
Met Ala Ala Ser Ala Leu Arg Gly Leu Pro Val Ala Gly Gly Gly Glu
1 5 10 15

Ser Ser Glu Ser
20

<210> 908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 908
Gly Leu Tyr His Lys Met Asn Gly Gln Asn Arg Pro Leu Ile Lys Pro
1   5   10   15

Lys Arg Arg Leu
            20

<210> 909
<211> 20
<212> PRT
<213> Homo sapiens

<400> 909
Val Leu Leu Gly Leu Phe Ser Thr Ile His Asp Ser Ile Gln Tyr Val
1   5   10   15

Gln Lys Asn Ala
            20

<210> 910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 910
Ser Gln Lys Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Gln Tyr
1   5   10   15

Trp Gln Val Leu
            20

<210> 911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 911
Pro Lys Ala Ser Thr Trp Val Val Ala Ser Arg Arg Ser Ser Thr Val
1   5   10   15

Ser Arg Ala Pro
            20

<210> 912

<211> 20
<212> PRT
<213> Homo sapiens

<400> 912
Thr Lys Tyr His Ser Asp Asp Tyr Ile Lys Phe Leu Arg Ser Ile Arg
1   5   10   15

Pro Asp Asn Met
            20

<210> 913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 913
Glu Met Thr Lys Tyr His Ser Asp Glu Tyr Ile Lys Phe Leu Arg Ser
1   5   10   15

Ile Arg Pro Asp
            20

<210> 914
<211> 20
<212> PRT
<213> Homo sapiens

<400> 914
Ser Glu Glu Leu Pro Tyr Ser Glu Tyr Phe Glu Tyr Phe Ala Pro Asp
1   5   10   15

Phe Thr Leu His
            20

<210> 915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 915
Pro Ser Gln Lys Pro Ser Gly Phe Lys Ser Gly Gln His Pro Leu Asn
1   5   10   15

Gly Gln Pro Leu
            20

<210> 916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 916
Ile Ala Leu Ile Leu Gly Ala Phe Phe Tyr Trp Arg Ser Lys Asn Lys
1   5   10   15

Glu Glu Glu Glu
            20

<210> 917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 917
Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val Glu Asn Glu
1   5   10   15

Thr Tyr Thr Leu
            20

<210> 918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 918
Glu Ser Tyr Asn Glu Trp Ala Leu Asn Val Asn Glu Ala Leu Glu Ala
1   5   10   15

Lys Ile Asn Lys
            20

<210> 919
<211> 20
<212> PRT
<213> Homo sapiens

<400> 919
Gln Asp Thr Asp Thr Lys Ile Thr Ile Ser Pro Leu Gln Glu Leu Thr
1   5   10   15

Leu Tyr Asn Pro
            20

<210> 920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 920
Val Ile Asp Leu Met Phe His Pro Gly Gly Leu Met Lys Leu Arg Ser
1   5   10   15

Arg Glu Ala Asp
            20

<210> 921
<211> 20
<212> PRT
<213> Homo sapiens

<400> 921
Arg Glu Gly Ala Gly Arg Met Arg Val Val Gly Trp Gly Leu Gly Ser
1   5   10   15

Ala Ser Pro Glu
            20

<210> 922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 922
Gln Ser Ala Tyr Glu Ile Ile Lys Leu Lys Gly Tyr Thr Ser Trp Ala
1   5   10   15

Ile Gly Leu Ser
            20

<210> 923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 923

Leu Gly Phe Ser Pro Gly Pro Ile Leu Pro Ser Thr Arg Lys Leu Tyr
1 5 10 15

Glu Lys Lys Leu
20

<210> 924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 924
Asp Leu Phe Ile Pro Arg Ile Glu Thr Ile Leu Met Met Tyr Thr Arg
1 5 10 15

Asn Asn Leu Asn
20

<210> 925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 925
Val Gln Ala Ala Thr Ser Ser Ser Ser Pro Leu Val Leu Gly Thr Leu
1 5 10 15

Glu Glu Val Pro
20

<210> 926
<211> 20
<212> PRT
<213> Homo sapiens

<400> 926
Lys Leu Leu Thr Gln Asp Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg
1 5 10 15

Gln Val Pro Gly
20

<210> 927
<211> 20
<212> PRT

<213> Homo sapiens

<400> 927
Val Lys Gly Leu Ile Thr Lys Ala Glu Met Leu Gly Ser Val Ile Lys
1   5   10   15

Asn Tyr Glu Asp
            20

<210> 928
<211> 20
<212> PRT
<213> Homo sapiens

<400> 928
Glu Thr Ser Phe Gln Val Ala Leu Ser Arg Lys Met Ala Glu Leu Val
1   5   10   15

His Phe Leu Leu
            20

<210> 929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 929
Phe Ala His Pro Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn
1   5   10   15

Tyr Leu Glu Tyr
            20

<210> 930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 930
Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe
1   5   10   15

Glu Gly Arg Glu
            20

<210> 931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 931
Pro Val Ile Phe Gly Lys Ala Ser Glu Ser Leu Lys Met Ile Phe Gly
1   5   10   15

Ile Asp Val Lys
            20

<210> 932
<211> 20
<212> PRT
<213> Homo sapiens

<400> 932
Gly Gly Pro Arg Ile Ser Tyr Pro Leu Leu His Glu Trp Ala Leu Arg
1   5   10   15

Glu Gly Glu Glu
            20

<210> 933
<211> 20
<212> PRT
<213> Homo sapiens

<400> 933
Leu Arg Lys Leu Leu Thr Gln Glu Trp Val Gln Glu Asn Tyr Leu Glu
1   5   10   15

Tyr Arg Gln Ala
            20

<210> 934
<211> 20
<212> PRT
<213> Homo sapiens

<400> 934
Lys Leu Lys Val Ala Glu Leu Val His Phe Leu Leu His Lys Tyr Arg
1   5   10   15

Val Lys Glu Pro

20

<210> 935
<211> 20
<212> PRT
<213> Homo sapiens

<400> 935
Glu Glu Arg Ala Gln Val Arg Ser Ser Val Arg Ala Arg Arg Arg Thr
1 5 10 15

Thr Ala Thr Thr
20

<210> 936
<211> 20
<212> PRT
<213> Homo sapiens

<400> 936
Gln Arg Ala Pro Thr Thr Ala Ala Ala Ala Ala Ala Gly Val Ser Ser
1 5 10 15

Thr Lys Ser Lys
20

<210> 937
<211> 20
<212> PRT
<213> Homo sapiens

<400> 937
Ile Glu Lys Lys Gln Ser Phe Ser Gln Gly Leu Ser Ser Thr Val Gln
1 5 10 15

Ser Arg Thr Asp
20

<210> 938
<211> 20
<212> PRT
<213> Homo sapiens

<400> 938
Asn Gln Ser Ser Ala Trp Thr Leu Pro Arg Asn Gly Leu Leu Met Pro
1 5 10 15

Leu Leu Ser Val
            20

<210> 939
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<212> PRT
<213> Homo sapiens

<400> 939
Ile Tyr Asp Gly Ile Leu His Ser Ile Tyr Gly Asp Ala Arg Lys Ile
1   5   10   15

Ile Thr Glu Asp
            20

<210> 940
<211> 20
<212> PRT
<213> Homo sapiens

<400> 940
Ser Leu Leu Gln Ile Pro Met Thr Ser Ser Phe Ser Ser Thr Leu Leu
1   5   10   15

Ser Ile Phe Gln
            20

<210> 941
<211> 20
<212> PRT
<213> Homo sapiens

<400> 941
Met Ile Val Ile Lys Tyr Lys Asp Tyr Phe Pro Val Ile Leu Lys Arg
1   5   10   15

Ala Arg Glu Phe
            20

<210> 942
<211> 20
<212> PRT
<213> Homo sapiens

<400> 942
Glu Glu Glu Ser Leu Ser Glu Val Val Val Pro Met Pro Ser Trp Leu
1   5   10   15

Ile Arg Thr Arg
            20

<210> 943
<211> 20
<212> PRT
<213> Homo sapiens

<400> 943
Gln Lys Phe Gly Asp Phe Leu Gln His Ser Pro Ser Ile Leu Gln Ser
1   5   10   15

Lys Ala Lys Lys
            20

<210> 944
<211> 20
<212> PRT
<213> Homo sapiens

<400> 944
Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu Val His
1   5   10   15

Asn Gly Thr Ser
            20

<210> 945
<211> 20
<212> PRT
<213> Homo sapiens

<400> 945
Pro Thr Pro Ser Lys Pro Leu Thr Ser Phe Leu Ile Gln Asp Ile Leu
1   5   10   15

Arg Asp Gly Ala
            20

<210> 946
<211> 20

<212> PRT
<213> Homo sapiens

<400> 946
Met Met Ala Trp Ser Asp Asn Lys Ile Phe Arg Asp Arg Phe Leu Tyr
1   5   10   15

Thr Phe Tyr Phe
            20

<210> 947
<211> 20
<212> PRT
<213> Homo sapiens

<400> 947
Arg Leu Ala Asp Glu Leu Leu Phe Arg Gln Ile Ala Trp Ile Lys Lys
1   5   10   15

Leu Pro Phe Phe
            20

<210> 948
<211> 20
<212> PRT
<213> Homo sapiens

<400> 948
Phe Pro Lys Leu Leu Arg Leu Asp Gly Arg Glu Leu Ser Ala Pro Val
1   5   10   15

Ile Val Asp Ile
            20

<210> 949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 949
Pro Lys Lys Pro Ser Ala Phe Lys Pro Ala Ile Glu Met Gln Asn Ser
1   5   10   15

Val Pro Asn Lys
            20

<210> 950
<211> 20
<212> PRT
<213> Homo sapiens

<400> 950
Pro Asn Asp Tyr Thr Lys Phe Val Ala Glu Tyr Phe Gln Glu Arg Gln
1   5   10   15

Met Leu Gly Thr
            20

<210> 951
<211> 20
<212> PRT
<213> Homo sapiens

<400> 951
Lys Leu Val Glu Ala Glu Met Asp Gly Ala Ala Ala Ala Lys Gln Val
1   5   10   15

Met Ala Leu Lys
            20

<210> 952
<211> 20
<212> PRT
<213> Homo sapiens

<400> 952
Met Gly Pro Asn Thr Val Gly Lys Ala Ser Gln Pro Ser Phe Ser Ile
1   5   10   15

Lys Gly Arg Ser
            20

<210> 953
<211> 20
<212> PRT
<213> Homo sapiens

<400> 953
Ala Phe Ile Leu Leu Leu Val Val Ala Phe Ser Lys Lys Trp Leu Asp
1   5   10   15

Leu Ser Arg Ser
            20

<210> 954
<211> 20
<212> PRT
<213> Homo sapiens

<400> 954
Leu Lys Glu Lys Ile Val Leu Thr His Asn Arg Leu Lys Ser Leu Met
1   5   10   15

Lys Ile Leu Ser
            20

<210> 955
<211> 20
<212> PRT
<213> Homo sapiens

<400> 955
Glu Gln Leu Glu Glu Arg Thr Trp Leu Leu His Asp Ala Ile Gln Asn
1   5   10   15

Gln Gln Asn Ala
            20

<210> 956
<211> 20
<212> PRT
<213> Homo sapiens

<400> 956
Asn Met Ala Arg Gly Leu Lys Tyr Leu His Gln Glu Lys Lys Leu Leu
1   5   10   15

His Gly Asp Ile
            20

<210> 957
<211> 20
<212> PRT
<213> Homo sapiens

<400> 957
Asp Leu Asn Leu Glu Trp Ile Ser Leu Pro Arg Ser Trp Thr Tyr Gly

1 5 10 15

Ile Thr Arg Gly
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<210> 958
<211> 20
<212> PRT
<213> Homo sapiens

<400> 958
Tyr Asn Pro Leu Met Glu Ala Arg Arg Leu Arg Ser Ala Leu Leu Phe
1 5 10 15

Gln His Glu Asp
20

<210> 959
<211> 20
<212> PRT
<213> Homo sapiens

<400> 959
Leu Val Gly Asn Ile Val Ile Thr Arg Tyr Asn Asn Arg Thr Tyr Arg
1 5 10 15

Ile Asp Asp Val
20

<210> 960
<211> 20
<212> PRT
<213> Homo sapiens

<400> 960
Gly Ser Glu Gly Thr Val Val Gln Leu Leu Ala Asn His Phe Arg Val
1 5 10 15

Ile Ser Arg Pro
20

<210> 961
<211> 20
<212> PRT
<213> Homo sapiens

<400> 961
Gln Tyr Ala His Lys Leu Thr Phe Leu Val Ala Gln Ser Ile His Lys
1   5   10   15

Glu Pro Ser Leu
            20

<210> 962
<211> 20
<212> PRT
<213> Homo sapiens

<400> 962
Glu Thr Phe Lys Ala Val Leu Asp Gly Leu Asp Val Leu Leu Ala Gln
1   5   10   15

Glu Val Arg Pro
            20

<210> 963
<211> 20
<212> PRT
<213> Homo sapiens

<400> 963
Phe Glu Gly Arg Thr Arg Tyr Ser Arg Ile Thr Gly Gly Met Glu Ala
1   5   10   15

Glu Val Gly Glu
            20

<210> 964
<211> 20
<212> PRT
<213> Homo sapiens

<400> 964
Lys Tyr Ala Asp Lys Ile Tyr Ser Ile Ser Met Lys His Pro Gln Glu
1   5   10   15

Met Lys Thr Tyr
            20

<210> 965

<211> 20
<212> PRT
<213> Homo sapiens

<400> 965
Tyr Asp Pro Asp Glu Arg Ile Ala Ala His Gln Ala Leu Gln His Pro
1   5   10   15

Tyr Phe Gln Glu
            20

<210> 966
<211> 20
<212> PRT
<213> Homo sapiens

<400> 966
Ile Ser Ser Thr Ile Thr Arg Asp Leu Tyr Val Thr Ala Thr His Ser
1   5   10   15

Val His Glu Glu
            20

<210> 967
<211> 20
<212> PRT
<213> Homo sapiens

<400> 967
Glu Lys Val His Ser Leu Phe Arg Arg Gln Leu Ala Ile Pro Leu Tyr
1   5   10   15

Asp Met Glu Ala
            20

<210> 968
<211> 20
<212> PRT
<213> Homo sapiens

<400> 968
Glu Gln Glu Gln Ser Ser Leu Arg Ala Ser Leu Glu Ile Glu Leu Ser
1   5   10   15

Asn Leu Lys Ala
            20

<210> 969
<211> 20
<212> PRT
<213> Homo sapiens

<400> 969
Asn Leu Leu Thr Gly Ala Gln Asn Glu Phe Lys Lys Glu Met Ala Met
1   5   10   15

Leu Gln Lys Lys
            20

<210> 970
<211> 20
<212> PRT
<213> Homo sapiens

<400> 970
Asp Gln Glu Gln Gly Arg Lys Leu Arg Ser Thr Met Leu Glu Leu Glu
1   5   10   15

Lys Gln Gly Leu
            20

<210> 971
<211> 20
<212> PRT
<213> Homo sapiens

<400> 971
Glu Arg Lys Leu Ser Leu Glu Asn Lys Leu Leu Gln Leu Lys Ser Ser
1   5   10   15

Ala Thr Tyr Gly
            20

<210> 972
<211> 20
<212> PRT
<213> Homo sapiens

<400> 972
Asp Arg Lys Lys Val Ile Trp Phe Val Ala Ser Ser Phe Leu Ile Gly
1   5   10   15

Leu Gly Ser Leu
            20

<210> 973
<211> 20
<212> PRT
<213> Homo sapiens

<400> 973
Glu Asp Ala Glu Gly Ser Lys Ala Met Asn Gly Ser Ala Ala Lys Leu
1   5   10   15

Gln Gln Tyr Tyr
            20

<210> 974
<211> 20
<212> PRT
<213> Homo sapiens

<400> 974
Ser Ile Pro Phe Ser Asn Thr His Tyr Arg Ile Pro Gln Gly Phe Gly
1   5   10   15

Asn Leu Leu Glu
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<210> 975
<211> 20
<212> PRT
<213> Homo sapiens

<400> 975
Glu Pro Ala Gly Ser Glu Ile Ala Asp Asp Leu Ser Ile Leu Tyr Ser
1   5   10   15

Asn Arg Ala Ala
            20

<210> 976
<211> 20
<212> PRT
<213> Homo sapiens

<400> 976

Asp Glu Glu Val Val Lys Glu Leu Met Pro Leu Val Val Ala Val Leu
1   5   10   15

Glu Asn Leu Asp
            20

<210> 977
<211> 20
<212> PRT
<213> Homo sapiens

<400> 977
Glu Met Thr Glu Asp Ile Met Arg Asp Arg Ile Glu Gln Val Arg Arg
1   5   10   15

Ser Ile Ser Arg
            20

<210> 978
<211> 20
<212> PRT
<213> Homo sapiens

<400> 978
Pro Thr Gly Gly Ser Arg Leu Ala Ser Ser Ser Glu Val Leu Ala Ser
1   5   10   15

Ile Glu Asn Ile
            20

<210> 979
<211> 20
<212> PRT
<213> Homo sapiens

<400> 979
Glu Lys Arg Ser Lys Ala Phe Asp Asp Ile Ala Thr Tyr Phe Ser Lys
1   5   10   15

Lys Glu Trp Lys
            20

<210> 980
<211> 20
<212> PRT

<213> Homo sapiens

<400> 980
Met Asn Gly Asp Asp Ala Phe Ala Arg Arg Pro Thr Val Gly Ala Gln
1   5   10   15

Ile Pro Glu Lys
            20

<210> 981
<211> 20
<212> PRT
<213> Homo sapiens

<400> 981
Met Asn Gly Asp Asp Thr Phe Ala Arg Arg Pro Thr Val Gly Ala Gln
1   5   10   15

Ile Pro Glu Lys
            20

<210> 982
<211> 20
<212> PRT
<213> Homo sapiens

<400> 982
Val Thr Leu Pro Pro Phe Met Arg Ser Lys Arg Ala Ala Asp Phe His
1   5   10   15

Gly Asn Asp Phe
            20

<210> 983
<211> 20
<212> PRT
<213> Homo sapiens

<400> 983
Lys Tyr Phe Ser Glu Lys Glu Trp Glu Lys Met Lys Ala Ser Glu Lys
1   5   10   15

Ile Ile Tyr Val
            20

<210> 984
<211> 20
<212> PRT
<213> Homo sapiens

<400> 984
Val His Leu Lys Glu Ile Leu Ser Lys Lys Gln Glu Thr Leu Arg Ile
1   5   10   15

Leu Arg Leu His
            20

<210> 985
<211> 20
<212> PRT
<213> Homo sapiens

<400> 985
Asn Glu Gly Thr Ser Ser Ile Val Met Glu Ile Gln Lys Gln Ile Glu
1   5   10   15

Lys Lys Glu Lys
            20

<210> 986
<211> 20
<212> PRT
<213> Homo sapiens

<400> 986
Val Ser Arg Glu Ala Ile Leu Arg Phe Gly Phe Leu Gln Glu Phe Ser
1   5   10   15

Lys Glu Glu Arg
            20

<210> 987
<211> 20
<212> PRT
<213> Homo sapiens

<400> 987
Leu Gly Val Thr Lys Glu Ile Ala Ile Trp Ala Glu Arg Ile Met Phe
1   5   10   15

Ser Asp Leu Arg

20

<210> 988
<211> 20
<212> PRT
<213> Homo sapiens

<400> 988
Thr Ile Leu Pro Thr Leu Arg Ser Ala Leu Phe Ser Arg Tyr Ser Pro
1 5 10 15

His Asp Trp Asp
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<210> 989
<211> 20
<212> PRT
<213> Homo sapiens

<400> 989
Pro Pro Ser Leu Asn Tyr Ile Pro Pro Val Leu Gln Leu Ser Gly Gly
1 5 10 15

Gln Lys Pro Asp
20

<210> 990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 990
Tyr Gly Leu Glu His Ile Phe Phe Asp Ala Ala Lys Asn Leu Val Trp
1 5 10 15

Lys Glu Arg Thr
20

<210> 991
<211> 20
<212> PRT
<213> Homo sapiens

<400> 991
Arg Pro Lys Arg Phe Tyr Leu Glu Tyr Tyr Asn Asn Asn Arg Thr Thr
1 5 10 15

Pro Val Trp Pro
            20

<210> 992
<211> 20
<212> PRT
<213> Homo sapiens

<400> 992
Ile Ala Leu Phe Phe Leu Met Asp Val Leu Leu Arg Val Phe Val Glu
1   5   10   15

Arg Arg Gln Gln
            20

<210> 993
<211> 20
<212> PRT
<213> Homo sapiens

<400> 993
Arg Arg Gln Leu Asp Glu Thr Asn Asp Glu Leu Ala Gln Ile Ala Arg
1   5   10   15

Glu Arg Asp Ile
            20

<210> 994
<211> 20
<212> PRT
<213> Homo sapiens

<400> 994
Lys Ser Glu Ala Pro Pro Ile Tyr Leu Gln Val Ser Ser Tyr Gln His
1   5   10   15

Trp Ile Trp Asp
            20

<210> 995
<211> 20
<212> PRT
<213> Homo sapiens

<400> 995
His His Asn Ser Ser Leu Asn Phe Phe Asn Trp Phe Ser Asp His Asn
1   5   10   15

Phe Ala Gly Ser
            20

<210> 996
<211> 20
<212> PRT
<213> Homo sapiens

<400> 996
Lys His Thr Ile Ser Ser Asp Tyr Val Ile Pro Ile Gly Thr Tyr Gly
1   5   10   15

Gln Met Lys Asn
            20

<210> 997
<211> 20
<212> PRT
<213> Homo sapiens

<400> 997
Ile Gln Asp Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg
1   5   10   15

Ser Ala Ser Glu
            20

<210> 998
<211> 20
<212> PRT
<213> Homo sapiens

<400> 998
Phe Lys Trp Asn Ser Asp Phe Ile Asn His Gln Ile Ile Tyr Ala Gly
1   5   10   15

Glu Lys Asn His
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<210> 999
<211> 20

<212> PRT
<213> Homo sapiens

<400> 999
Leu Arg His Leu Asp Leu Ser Asn Asn Ser Leu Val Ser Leu Thr Tyr
1   5   10   15

Val Ser Phe Arg
            20

<210> 1000
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1000
Pro Trp Pro Glu Arg Leu Ser Asn Asn Val Glu Glu Leu Leu Gln Ser
1   5   10   15

Ser Leu Ser Leu
            20

<210> 1001
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1001
Leu Tyr Pro Gly Phe Thr Lys Arg Leu Phe Arg Glu Leu Met Gly Asp
1   5   10   15

His Val Ser Ser
            20

<210> 1002
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1002
Ile Phe Val Ser Phe Asn Ile Thr Ile Ile Leu Ser Ser Leu Glu Leu
1   5   10   15

Trp Ile Asp Glu
            20

<210> 1003
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1003
Gln Lys Gln Ser Ser Tyr Val Gly Trp Trp Ile His Phe Arg Ile Val
1   5   10   15

Glu Ile Val Val
            20

<210> 1004
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1004
Lys Leu Ser Gln Lys Phe Thr Lys Val Asn Phe Thr Glu Ile Gln Lys
1   5   10   15

Leu Val Leu Asp
            20

<210> 1005
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1005
Asp Ala Met Leu Arg Lys Leu Tyr Asn Val Met Phe Ala Lys Lys Val
1   5   10   15

Pro Glu His Val
            20

<210> 1006
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1006
Met Thr Asp Ser Asp Phe Val Ser Ala Val Lys Arg Asn Leu Phe Asn
1   5   10   15

Gln Trp Lys Gln
20

<210> 1007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1007
Arg Tyr Lys Ser Tyr Ser Pro Tyr Asp Met Leu Glu Ser Ile Arg Lys
1 5 10 15

Glu Val Lys Gly
20

<210> 1008
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1008
Pro Ser Arg Gln Thr Ala Ile Ile Val Asn Pro Pro Pro Pro Glu Tyr
1 5 10 15

Ile Asn Thr Lys
20

<210> 1009
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1009
Glu Val Pro Ala Gln Leu Leu Asp Ala Glu Gly Ala Ile Lys Ile Gly
1 5 10 15

Ser Glu Lys Ser
20

<210> 1010
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1010
Ala Asp Gln Arg Leu Ala Ile Ser His Ser Gln Ile Ala His Leu Glu

1 5 10 15

Glu Arg Asn Lys
20

<210> 1011
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1011
Thr Gln Tyr Asp Leu Ser Glu Phe Glu Asn Ile Gly Ala Ile Gly Leu
1 5 10 15

Glu Leu Trp Gln
20

<210> 1012
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1012
Val Glu Trp Met Ser Ile Phe Lys Pro Ser Lys Met Gln Arg Ile Val
1 5 10 15

Arg Leu Lys Ser
20

<210> 1013
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1013
Glu Lys Thr Lys Arg Leu Asn Glu Leu Lys Leu Ser Val Val Ser Leu
1 5 10 15

Lys Glu Ile Gln
20

<210> 1014
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1014
Ala Leu Leu Ala Arg Lys Gln Gly Ala Gly Asp Ser Leu Ile Ala Gly
1   5   10   15

Ser Ala Met Ser
            20

<210> 1015
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1015
Glu Ser Pro Asp Leu Ser Ile Ser His Ser Gln Val Glu Gln Leu Val
1   5   10   15

Asn Lys Thr Ser
            20

<210> 1016
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1016
Leu Lys Glu Phe Glu Lys Thr Ile His Phe Tyr Gln Lys Lys Ile Ile
1   5   10   15

Leu His Glu Lys
            20

<210> 1017
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1017
Thr Leu Glu Gly Glu Arg Asn Gln Ile Tyr Ile Gln Leu Ser Glu Val
1   5   10   15

Asp Lys Thr Lys
            20

<210> 1018

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1018
Thr Leu Gln Thr Val His Phe Thr Ser Glu Ala Val Glu Leu Gln Asp
1   5   10   15

Met Ser Leu Leu
            20

<210> 1019
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1019
Leu Val Tyr Asp Gly Val Arg Asp Ile Arg Lys Ala Val Leu Met Ile
1   5   10   15

Arg Thr Pro Glu
            20

<210> 1020
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1020
Gln Gln Gly Leu Pro Gln Gly Asp Thr Gln Leu Thr Thr Val Gln Gly
1   5   10   15

Val Val Thr Ser
            20

<210> 1021
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1021
Thr Asp Asn Asn Leu Ala Val Tyr Asp Leu Ser Arg Asp Ile Leu Asn
1   5   10   15

Asn Phe Pro His
            20

<210> 1022
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1022
Val Pro Pro Pro Arg Phe Arg Pro Arg Tyr Arg Arg Pro Phe Arg Pro
1   5   10   15

Arg Pro Arg Gln
            20

<210> 1023
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1023
Glu Arg Gly Ser Gly Ile Arg Ser Val Ser Phe Tyr Glu His Ile Ile
1   5   10   15

Thr Val Gly Thr
            20

<210> 1024
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1024
Pro Arg Met Glu Glu Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr
1   5   10   15

Asp Ser Phe His
            20

<210> 1025
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1025
Ala Ser Glu Gly Arg Met Val Ile Gln Asp Ile Pro Ala Val Thr Ser
1   5   10   15

Arg Gly His Val
            20

<210> 1026
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1026
Lys Ile Glu Val Tyr Leu Arg Leu His Arg His Ala Tyr Pro Glu Gln
1   5   10   15

Arg Gln Asp Met
            20

<210> 1027
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1027
Thr Val Asn Gly Glu Gln Leu Asp Leu Asp Pro Gly Gln Thr Leu Ile
1   5   10   15

Tyr Tyr Val Asp
            20

<210> 1028
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1028
Asp Leu Glu Pro His Met Asn Tyr Thr Phe Thr Val Glu Ala Arg Asn
1   5   10   15

Gly Val Ser Gly
            20

<210> 1029
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1029

Ala Lys Leu Thr Lys Glu Ser Tyr Pro Val Val Val Ala Glu Ser Met
1   5   10   15

Tyr Gly Asp Phe
            20

<210> 1030
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1030
Leu Gln Glu Tyr Ala Gly Asn Phe Gln Gly Ile Arg Phe His Tyr Asp
1   5   10   15

Arg Asn Pro Gly
            20

<210> 1031
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1031
Gln Ile Leu Asp Ser Leu Ser Tyr Met Arg Asn Glu Asn Val Ile Ser
1   5   10   15

Glu Leu Asn Ile
            20

<210> 1032
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1032
Glu Ser Leu Lys Met Arg Val Ser Lys Pro Phe Gly Met Leu Met Leu
1   5   10   15

Ser Ile Trp Ile
            20

<210> 1033
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1033
Ile Leu Lys Gln Lys Ser Ile Ile Lys Leu Ser Ser Glu Arg Lys Lys
1   5   10   15

Glu Asp Ile Glu
            20

<210> 1034
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1034
His Glu Gln Val Lys Thr Ile Lys Glu Leu Gly Gly Tyr Val Ser Asn
1   5   10   15

Leu Arg Lys Ile
            20

<210> 1035
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1035
Asp Glu Asn Gly Tyr Thr Ala Leu Thr Trp Ala Ala Arg Gln Gly His
1   5   10   15

Lys Asn Ile Val
            20

<210> 1036
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1036
Lys Leu Glu Ser Ser His Ser Arg Gly Ser Met Thr Ala Leu Gly Gly
1   5   10   15

Ala Ser Ser Ser
            20

<210> 1037
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1037
Tyr Tyr Pro Glu Asp Leu Phe Ile Asp Lys Lys Val Leu Lys Val Ala
1   5   10   15

His Val Glu His
            20

<210> 1038
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1038
Ser Tyr Thr Trp Asp Phe Gly Asp Ser Ser Gly Thr Leu Ile Ser Arg
1   5   10   15

Ala Leu Val Val
            20

<210> 1039
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1039
Lys Ala Leu Glu Asn Phe Lys Thr Gly Lys Val Arg Ile Leu Ile Ala
1   5   10   15

Thr Asp Leu Ala
            20

<210> 1040
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1040
Gln Arg Leu Phe Glu Asn Leu Arg Met Leu Pro His Ala Pro Gly Val
1   5   10   15

Gln Met Gln Ala

20

<210> 1041
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1041
Tyr Gly Leu Tyr Lys Lys Met Ile Val Phe Lys Pro Tyr Gln Ala Ser
1 5 10 15

Gln His Asp Met
20

<210> 1042
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1042
Asn His His Ser Glu Arg Ser Arg Asn His Leu Glu Arg Ser Leu Ser
1 5 10 15

Gln Ser Asp Arg
20

<210> 1043
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1043
Arg Lys Pro Arg Pro Pro His Thr His Ser Tyr Thr Ile Ser His Ala
1 5 10 15

Thr Leu Glu Arg
20

<210> 1044
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1044
Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr Trp
1 5 10 15

Ile Ser Pro Gln
            20

<210> 1045
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1045
Gly Glu Ala Arg Leu Arg Glu Met Glu Ala Leu Gln Ser Leu Arg Leu
1   5   10   15

Ala Asn Glu Gly
            20

<210> 1046
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1046
Gln Val Asn Thr Asp Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser
1   5   10   15

Ser Lys Asp Gln
            20

<210> 1047
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1047
Thr His Glu Asp Lys Ile Val Arg Arg Asn Ala Thr Met Ile Phe Gly
1   5   10   15

Ile Leu Ala Ser
            20

<210> 1048
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1048
Val Leu Lys Asp Phe Thr Val Ser Gly Asn Leu Leu Phe Met Ser Val
1   5   10   15

Arg Asp Gln Asp
            20

<210> 1049
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1049
Gly Glu Thr Arg Leu Ala Leu Val Gln Arg Asn Val Ala Ile Met Lys
1   5   10   15

Ser Ile Ile Pro
            20

<210> 1050
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1050
Leu Asp Gly Ala Gln Asp Ser Asp Asp Ser Glu Glu Leu Asn Ile Ile
1   5   10   15

Leu Gln Gly Asn
            20

<210> 1051
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1051
Asp Gly Ser Phe Ser Phe Lys Leu Leu Asn Gln Leu Gly Met Ile Glu
1   5   10   15

Glu Pro Arg Leu
            20

<210> 1052
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1052
Ala Pro Glu Glu Glu Ile Trp Glu Glu Leu Ser Val Met Glu Val Tyr
1   5   10   15

Asp Gly Arg Glu
            20

<210> 1053
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1053
Asp Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala His Ala Glu
1   5   10   15

Ile Arg Lys Met
            20

<210> 1054
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1054
Arg Glu Asp Ser Gly Asp Phe Gly Leu Gln Val Ser Thr Met Phe Ser
1   5   10   15

Glu Asp Asp Phe
            20

<210> 1055
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1055
Glu Glu Gln Glu Thr Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr
1   5   10   15

Leu Arg Glu Val
            20

<210> 1056
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1056
Glu Glu Gln Gln Thr Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr
1   5   10   15

Leu Gly Glu Val
            20

<210> 1057
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1057
Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His
1   5   10   15

Phe Leu Leu Leu
            20

<210> 1058
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1058
Asp Gly Arg Glu His Thr Val Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 1059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1059
Gly Ser Asp Pro Val Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu
1   5   10   15

Ala Glu Thr Ser
            20

<210> 1060
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1060
Glu Thr Ser Tyr Glu Lys Val Ile Asn Tyr Leu Val Met Leu Asn Ala
1   5   10   15

Arg Glu Pro Ile
            20

<210> 1061
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1061
Pro Arg Ala Tyr Ala Glu Thr Thr Lys Met Lys Val Leu Glu Phe Leu
1   5   10   15

Ala Lys Met Asn
            20

<210> 1062
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1062
Lys Ala Ser Glu Gly Leu Ser Val Val Phe Gly Leu Glu Leu Asn Lys
1   5   10   15

Val Asn Pro Asn
            20

<210> 1063
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1063
Phe Trp Ala Lys Val Asn Lys Thr Val Pro Ser Ala Phe Gln Phe Trp

1 5 10 15

Tyr Glu Glu Ala
20

<210> 1064
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1064
Asp Thr Thr Pro Asn Asn Phe Pro Leu Leu Tyr Glu Glu Ala Leu Arg
1 5 10 15

Asp Glu Glu Glu
20

<210> 1065
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1065
Pro His Leu Tyr Glu Asp Ala Leu Ile Asp Glu Val Glu Arg Ala Leu
1 5 10 15

Arg Leu Arg Ala
20

<210> 1066
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1066
Ile Glu Ser Glu Pro Leu Phe Thr Tyr Thr Leu Asp Glu Lys Val Asp
1 5 10 15

Glu Leu Ala Arg
20

<210> 1067
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1067
Lys Lys Lys Val Leu Glu Phe Leu Ala Lys Leu Asn Asn Thr Val Pro
1   5   10   15

Ser Ser Phe Pro
            20

<210> 1068
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1068
Glu Lys Gln Arg Glu Leu Lys Thr Ala Arg Thr Leu Ser Leu Phe Tyr
1   5   10   15

Gly Val Asn Val
            20

<210> 1069
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1069
Lys Lys Ile Ile Glu Thr Met Ser Ser Ser Lys Leu Ser Asn Val Glu
1   5   10   15

Ala Ser Lys Glu
            20

<210> 1070
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1070
Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp
1   5   10   15

Val Pro Phe Pro
            20

<210> 1071

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1071
Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn Ser Tyr Pro
1   5   10   15

Tyr Tyr Pro Tyr
            20

<210> 1072
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1072
Lys Phe Lys Glu His Leu Lys Gln Met Thr Leu Gln Leu Glu Leu Lys
1   5   10   15

Gln Ile Pro Trp
            20

<210> 1073
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1073
Leu Leu Ser Ser Thr Trp Gln Glu Leu Ile Leu Leu Ser Ser Leu Thr
1   5   10   15

Val Tyr Ser Lys
            20

<210> 1074
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1074
Ser Glu Thr Leu Lys His Leu Val Leu Gln Phe Leu Gln Gln Tyr Tyr
1   5   10   15

Ser Ile Tyr Asp
            20

<210> 1075
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1075
Ala Gln Arg Lys Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr Ala Gly
1   5   10   15

Asp Ala Leu Arg
            20

<210> 1076
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1076
Leu Val Lys Arg Lys Leu Val His Asp Ile Ile Asp Leu Ile Tyr Leu
1   5   10   15

Asn Gly Leu Arg
            20

<210> 1077
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1077
Ser Met Gln Asn Tyr Val Gln Phe Leu Lys Ser Ser Tyr Ala Asn Val
1   5   10   15

Phe Gly Asp Gly
            20

<210> 1078
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1078
Ser Ile Ser Ala Arg Thr Lys Ala Phe Arg Val Asp Ser Thr Pro Gly
1   5   10   15

Pro Ala Ala Tyr
            20

<210> 1079
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1079
Asp Leu Ser Arg Ser Leu Phe Tyr Gln Arg Trp Pro Val Asp Val Ser
1   5   10   15

Asn Arg Ile His
            20

<210> 1080
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1080
Ser Met Glu Trp Asp Thr Gln Val Val Lys Gly Ser Ser Pro Leu Gly
1   5   10   15

Pro Ala Gly Leu
            20

<210> 1081
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1081
Ser Gln Gly Gln Arg Gly His Thr Ser Met Lys Ala Val Tyr Val Glu
1   5   10   15

Pro Ala Ala Ala
            20

<210> 1082
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1082

Met Gln Lys Leu Gly Phe Gly Thr Gly Val Asn Val Tyr Leu Met Lys
1   5   10   15

Arg Ser Pro Arg
            20

<210> 1083
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1083
Leu His Lys Glu Lys Tyr Thr Leu Glu Gln Ala Leu Leu Ser Ala Ser
1   5   10   15

Gln Glu Ile Glu
            20

<210> 1084
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1084
Val Gly Gln Ser Ile His Arg Glu Pro Asn Leu Ser Leu Ser Asn Arg
1   5   10   15

Leu Tyr Tyr Leu
            20

<210> 1085
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1085
His Phe Trp Ala Leu Phe Tyr Pro Lys Arg Ala Met Asp Gln Ala Arg
1   5   10   15

Glu Leu Val Asn
            20

<210> 1086
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1086
Ser Arg Glu Ile Arg Glu Leu Pro Leu Leu Asn Ala Met Pro Leu His
1   5   10   15

Ser Trp Leu Ile
            20

<210> 1087
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1087
Gln His Lys Leu Ser Leu Trp Pro Gly Phe Ala Ile Ser Val Ser Tyr
1   5   10   15

Phe Glu Arg Lys
            20

<210> 1088
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1088
Leu Gln Ala Leu Tyr Val Asp Ser Leu Phe Phe Leu Arg Gly Arg Leu
1   5   10   15

Asp Gln Leu Leu
            20

<210> 1089
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1089
Leu Thr Ser Pro Ser Met Glu Ile Lys Glu Val Ala Ser Ile Ile Leu
1   5   10   15

His Lys Asp Phe
            20

<210> 1090
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1090
Lys Arg Gln Ile Tyr Val Ala Ala Phe Thr Val Gln Ala Ala Ala Glu
1   5   10   15

Thr Leu Ser Glu
            20

<210> 1091
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1091
Asn Ile Leu Met Leu His Glu Val Val Phe Asp Arg Lys Ser Gly Ser
1   5   10   15

Leu Ala Leu Ile
            20

<210> 1092
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1092
Ser Gln Pro Thr Pro Asp Asn Val Leu Ser Ala Val Thr Pro Glu Leu
1   5   10   15

Ile Asn Leu Ala
            20

<210> 1093
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1093
Gln Val Ile Ser Val Thr Phe Glu Lys Ala Leu Asn Ala Gly Phe Ile
1   5   10   15

Gln Ala Thr Asp

20

<210> 1094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1094
Lys Asp Lys Arg Asp Tyr Leu Trp Thr Ser Ala Lys Asn Thr Leu Ser
1 5 10 15

Thr Pro Leu Pro
20

<210> 1095
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1095
Gln Glu Glu Lys Ile Leu Asn Met Phe Arg Gln Gln Gln Lys Ile Leu
1 5 10 15

Gln Gln Ser Arg
20

<210> 1096
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1096
Asp Arg Asp Glu Ala Trp Val Leu Glu Thr Ile Gly Lys Tyr Trp Ala
1 5 10 15

Ala Glu Lys Val
20

<210> 1097
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1097
Lys Lys Ile Arg Thr Thr Leu Gln Lys Ile Arg Thr Gln Met Phe Lys
1 5 10 15

Asp Glu Ile Arg
            20

<210> 1098
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1098
Asp Ile Ser Ser Gly Leu Val Ala Ile Phe Ile Ala Phe Tyr Gly Asp
1   5   10   15

Arg Lys Lys Val
            20

<210> 1099
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1099
Gln Glu Met Arg Gln Phe Phe Thr Val Gly Gln Gln Pro Gln Ile Pro
1   5   10   15

Ile Thr Thr Gly
            20

<210> 1100
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1100
Arg Glu Ile Leu Arg Glu Gln Pro Asp Asn Ile Pro Ala Phe Ala Ala
1   5   10   15

Ala Tyr Phe Glu
            20

<210> 1101
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1101
Tyr Leu Ser Lys Ala Glu Arg Phe Lys Met Met Leu Thr Leu Ile Ser
1   5   10   15

Lys Gly Gln Lys
            20

<210> 1102
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1102
Ala Gln Arg Lys Arg Phe Thr Arg Val Glu Met Ala Arg Val Leu Met
1   5   10   15

Glu Arg Asn Gln
            20

<210> 1103
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1103
Glu Val Leu Glu Glu Arg Thr Arg Ile Gln Phe Ile Arg Trp Ser His
1   5   10   15

Thr Arg Ile Phe
            20

<210> 1104
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1104
Ser Ser Asp Tyr Leu Ser Arg Val Tyr Leu Pro Asn Lys Leu Lys Phe
1   5   10   15

Gly Gly Trp Ile
            20

<210> 1105
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1105
Ser Tyr Val Tyr Met Lys Arg Asn Tyr Lys Ala Met Thr Lys Leu Gly
1   5   10   15

Phe Lys Val Thr
            20

<210> 1106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1106
Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Phe Tyr Val Tyr Met Lys
1   5   10   15

Arg Lys Tyr Glu
            20

<210> 1107
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1107
Phe Gly Arg Leu Gln Gly Ile Phe Pro Lys Ile Met Pro Lys Lys Pro
1   5   10   15

Ala Glu Glu Gly
            20

<210> 1108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1108
Glu Val Met Thr Lys Leu Gly Phe Lys Val Thr Leu Pro Pro Phe Met
1   5   10   15

Arg Ser Lys Arg
            20

<210> 1109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1109
Arg Gly Lys His Ala Trp Thr His Arg Val Arg Glu Arg Lys Gln Leu
1   5   10   15

Val Ile Tyr Glu
            20

<210> 1110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1110
Lys Glu Arg Ile Ser Ala Leu Asn Leu Gln Ile Glu Glu Glu Lys Asn
1   5   10   15

Lys Gln Arg Gln
            20

<210> 1111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1111
Lys Gln Lys Asn Glu Lys Leu Ile Ser Leu Gln Glu Gln Leu Gln Arg
1   5   10   15

Phe Leu Lys Lys
            20

<210> 1112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1112
Gln Ala Leu Ala Pro Asp Phe Arg Leu Asn Pro Val Arg Arg Leu Ile
1   5   10   15

Pro Ala Ala Arg
20

<210> 1113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1113
Ser Glu Asp Asp Gln Trp Tyr Arg Ala Ser Val Leu Ala Tyr Ala Ser
1 5 10 15

Glu Glu Ser Val
20

<210> 1114
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1114
Ile Met Leu Leu Glu Arg Ser Ile Met Ala Lys Glu Gly Pro Leu Lys
1 5 10 15

Val Ala Gln Thr
20

<210> 1115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1115
Lys Asp Arg Thr Met Asn Leu Gln Asp Ile Arg Tyr Ile Leu Lys Asn
1 5 10 15

Asp Leu Lys Asp
20

<210> 1116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1116
Ala Leu Lys Ser Arg Ile Ser Trp Glu Gly Leu Leu Ala Leu Asp Asn

1 5 10 15

Gly Glu Met Glu
20

<210> 1117
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1117
Lys Pro Lys Pro His Val Ser Asp His Asn Arg Leu Leu His Leu Ala
1 5 10 15

Arg Pro Lys Ala
20

<210> 1118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1118
Asp Ser Lys Leu Tyr Ile Pro Leu Glu Tyr Arg Ser Ile Ser Leu Ala
1 5 10 15

Ile Ala Leu Phe
20

<210> 1119
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1119
Asp Asp Glu Arg Met Glu Gln Met Ser Asn Met Thr Leu Met Lys Glu
1 5 10 15

Thr Ile Ser Thr
20

<210> 1120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1120
Arg Gly Gln Arg Pro Arg Thr Ser Ala Pro Ser Arg Ala Gly Ala Leu
1   5   10   15

Leu Leu Leu Leu
            20

<210> 1121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1121
Glu Ser Glu Gln Ala Ala Leu Gly Glu Glu Ala Val Leu Leu Leu Asp
1   5   10   15

Asp Ile Met Ala
            20

<210> 1122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1122
Lys Ser Tyr Leu Glu Gln Ala Ser Arg Ile Trp Ser Trp Leu Leu Gly
1   5   10   15

Ala Ala Met Val
            20

<210> 1123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1123
Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp Asn Leu Tyr Gln Met Thr
1   5   10   15

Ser Gln Leu Glu
            20

<210> 1124

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1124
Lys Ile Glu Ser Gln Arg Ile Ile Ser Gly Arg Ile Ser Gly Tyr Ile
1   5   10   15

Ser Glu Ala Ser
            20

<210> 1125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1125
Ala Tyr Pro Glu Lys Met Arg Asn Arg Val Leu Leu Glu Leu Asn Ser
1   5   10   15

Ala Asp Leu Asp
            20

<210> 1126
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1126
Asp Glu Asn Ser Tyr Trp Arg Asn Gln Asn Pro Gly Ser Leu Leu Gln
1   5   10   15

Leu Pro His Thr
            20

<210> 1127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1127
His Pro Asp Thr Phe Ser Tyr Pro Ile Glu Arg Gly Arg Ile Leu Asn
1   5   10   15

Trp Glu Gly Val
            20

<210> 1128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1128
Asp Val Ala Phe Leu Leu Val Tyr Arg Glu Lys Ser Asn Tyr Val Gly
1   5   10   15

Ala Thr Phe Gln
            20

<210> 1129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1129
Leu Phe Gly Leu Glu Ile Trp Thr Asn Lys Asn Leu Ile Val Val Asp
1   5   10   15

Asp Val Arg Lys
            20

<210> 1130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1130
Gln Leu Ala Val Ser Val Ile Leu Arg Val Ala Lys Gly Tyr Gln Glu
1   5   10   15

Leu Leu Glu Lys
            20

<210> 1131
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1131
Leu Met Thr Asp Thr Gln Phe Val Ser Ala Val Lys Arg Thr Val Phe
1   5   10   15

Ser His Gly Ser
            20

<210> 1132
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1132
Lys Glu Phe Ala Asp Ser Ile Ser Lys Gly Leu Met Val Tyr Ala Asn
1   5   10   15

Gln Val Ala Ser
            20

<210> 1133
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1133
Glu Val Asp Met Leu Lys Ile Arg Ser Glu Phe Lys Arg Lys Tyr Gly
1   5   10   15

Lys Ser Leu Tyr
            20

<210> 1134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1134
Asp Glu Ile Glu Ile Asp Phe Glu Thr Leu Lys Ala Ser Thr Leu Arg
1   5   10   15

Glu Leu Glu Lys
            20

<210> 1135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1135

Glu Tyr Ser Asp Lys Thr Thr Gln Phe Pro Ser Val Tyr Ala Val Pro
1   5   10   15

Gly Thr Glu Gln
            20

<210> 1136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1136
Lys Asn Lys Ser Val Ser Gln Tyr Leu Glu Met Asp Lys Thr Leu Ser
1   5   10   15

Lys Lys Glu Glu
            20

<210> 1137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1137
Asn Ile Gly Ala Ile Gly Leu Glu Leu Trp Gln Val Arg Ser Gly Thr
1   5   10   15

Ile Phe Asp Asn
            20

<210> 1138
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1138
Leu His Asn Leu Arg Gln Ile Tyr Val Lys Gln Gln Ser Asp Leu Gln
1   5   10   15

Phe Leu Asn Phe
            20

<210> 1139
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1139
Lys Asn Asp Leu Tyr Pro Asn Pro Lys Pro Glu Val Leu His Met Ile
1   5   10   15

Tyr Met Arg Ala
            20

<210> 1140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1140
Met Met Gln Lys Pro Gly Ser Asn Ala Pro Val Gly Gly Asn Val Thr
1   5   10   15

Ser Ser Phe Ser
            20

<210> 1141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1141
Ile Ser Thr Glu His Gln Ser Leu Val Leu Val Lys Arg Leu Leu Ala
1   5   10   15

Val Ser Val Ser
            20

<210> 1142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1142
Pro Pro Trp Glu Gln Asp Tyr Arg Met Met Phe Pro Pro Pro Gly Gln
1   5   10   15

Ser Tyr Pro Asp
            20

<210> 1143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1143
Ser Val Arg Ser Arg Leu Tyr Val Gly Arg Glu Lys Lys Leu Ala Leu
1   5   10   15

Met Leu Ser Gly
            20

<210> 1144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1144
Asp Ser Lys Leu Ala Val Ser Leu Ala Glu Thr Thr Gly Leu Ile Lys
1   5   10   15

Leu Glu Glu Glu
            20

<210> 1145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1145
Asn Ala Val Val Leu Thr Val Lys Ala Ser Tyr Val Ala Ser Thr Lys
1   5   10   15

Tyr Gln Lys Val
            20

<210> 1146
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1146
Phe Ile Trp Arg Ala Ile Ser Ile Thr Pro Val His Lys Ser Ser Ser
1   5   10   15

Gly Phe Gln Asp

20

<210> 1147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1147
Leu Glu His Thr Leu Leu Ser Lys Gly Phe Arg Gly Ala Ser Pro His
1 5 10 15

Arg Lys Ser Thr
20

<210> 1148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1148
Pro Gln Arg Pro Arg Asn Arg Pro Tyr Phe Gln Arg Arg Arg Gln Gln
1 5 10 15

Ala Pro Gly Pro
20

<210> 1149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1149
Val Val Asp Val Gln Thr Ser Gln Ile Thr Lys Ile Pro Ile Leu Lys
1 5 10 15

Asp Arg Glu Pro
20

<210> 1150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1150
Leu Glu Gly Gly His Trp Leu Ser Glu Lys Arg His Arg Leu Gln Ala
1 5 10 15

Ile Arg Asp Gly
            20

<210> 1151
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1151
Pro Pro Ser Tyr Leu Gly Gln Ser Val Pro Gln Phe Phe Thr Phe Glu
1   5   10   15

Asp Ala Pro Ser
            20

<210> 1152
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1152
Ser Arg Lys Arg Lys Ala Val Thr Lys Arg Ala Arg Leu Gln Arg Ser
1   5   10   15

Tyr Glu Met Asn
            20

<210> 1153
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1153
Asp Ser Lys Ser Leu Arg Thr Ala Leu Gln Lys Glu Ile Thr Thr Arg
1   5   10   15

Tyr Gln Leu Asp
            20

<210> 1154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1154
Arg Ala Arg Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp Lys
1   5   10   15

Leu Ile Arg Ala
            20

<210> 1155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1155
Ser Arg Phe Phe Ile Asp Phe Pro His Ile Glu Glu Gln Gln Lys Lys
1   5   10   15

Ile Glu Ser Tyr
            20

<210> 1156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1156
Leu Val Ile Ala Glu Met Met Glu Leu Gly Ser Arg Ser Arg Gly Ala
1   5   10   15

Ser Gln Lys Lys
            20

<210> 1157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1157
Glu Asp Tyr Phe Ser His His Leu Ala Val Tyr Asn Ser Pro Gln Phe
1   5   10   15

Lys Lys Thr Met
            20

<210> 1158
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1158
Glu Met Glu Asn Thr Lys Lys Phe Leu Ser Leu Thr Ala Val Ser Glu
1   5   10   15

Glu Thr Val Gly
            20

<210> 1159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1159
Asp Lys Met Glu His Ala Gln Lys Leu Met Arg Leu Gln Asn Leu Arg
1   5   10   15

Gly Gly His Ile
            20

<210> 1160
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1160
Gly His Leu Ile Thr Ala Val Gln Asn Val Ile Thr Glu Leu Pro Val
1   5   10   15

Asn Ser Gln Lys
            20

<210> 1161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1161
Gln Gly Asn His Val Pro Pro Tyr Tyr Gly Asn Ser Val Arg Ala Thr
1   5   10   15

Val Gln Arg Tyr
            20

<210> 1162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1162
Lys Met Glu Glu Lys Tyr Gln Leu Thr Ala Arg Leu Asn Met Glu Gln
1   5   10   15

Leu Leu Gln Ser
            20

<210> 1163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1163
Met Glu Val Thr Val Tyr His Arg Arg Gly Ser Arg Ser Tyr Val Pro
1   5   10   15

Leu Ala His Ser
            20

<210> 1164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1164
Leu Met Pro Gly Phe Ile His Leu Val Leu Gln Pro Ser Leu Lys Gly
1   5   10   15

Gln Arg Asn Arg
            20

<210> 1165
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1165
Pro Tyr Asn Asp Tyr Phe Glu Tyr Phe Gly Pro Asp Phe Lys Leu His
1   5   10   15

Ile Ser Pro Ser
            20

<210> 1166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1166
Ser Pro Thr Asn Met Gln Gly Phe Thr Lys Ser Leu Asn Ala Phe Asn
1   5   10   15

Val Gly Asp Asp
            20

<210> 1167
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1167
Glu Val Ser Glu Ser Pro Gly Ser Ile Gln Val Ala Arg Gly Gln Pro
1   5   10   15

Ala Val Leu Pro
            20

<210> 1168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1168
Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr Trp
1   5   10   15

Lys Thr Ile Ile
            20

<210> 1169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1169
Phe Lys Ser Asp Tyr Phe Asn Met Pro Val His Met Val Pro Thr Glu

1 5 10 15

Leu Val Glu Lys
20

<210> 1170
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1170
Gln Phe Glu Gln Ser Glu Thr Glu Thr Val His Leu Phe Ile Pro Ala
1 5 10 15

Leu Ser Val Gly
20

<210> 1171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1171
Ala Ala Tyr Asn Lys Leu Leu Asn Asn Asn Leu Ser Leu Lys Tyr Ser
1 5 10 15

Gln Thr Gly Tyr
20

<210> 1172
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1172
Ile Thr Met Pro Phe Ser Ser Pro Met Glu Ala Glu Leu Val Arg Arg
1 5 10 15

Ile Leu Ser Arg
20

<210> 1173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1173
Trp Lys Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu Ile Ile
1   5   10   15

Lys Leu Lys Gly
            20

<210> 1174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1174
Ala Ala Arg Ala Pro Ser Thr Arg Ile Thr Tyr Gly Thr Ile Thr Lys
1   5   10   15

Glu Arg Asp Tyr
            20

<210> 1175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1175
Asn Phe Asn Thr Gln Lys Lys Thr Val Trp Leu Ile His Gly Tyr Arg
1   5   10   15

Pro Val Gly Ser
            20

<210> 1176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1176
Ser Asp Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ala
1   5   10   15

Glu Thr Ser Tyr
            20

<210> 1177

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1177
Gly Ser Asp Pro Arg Ser Phe Pro Leu Trp Tyr Glu Glu Ala Leu Lys
1   5   10   15

Asp Glu Glu Glu
            20

<210> 1178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1178
Leu Leu Thr Gln Asn Trp Val Gln Glu Lys Tyr Leu Val Tyr Arg Gln
1   5   10   15

Val Pro Gly Thr
            20

<210> 1179
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1179
Ala Arg Glu Pro Phe Thr Lys Ala Glu Met Leu Gly Ser Val Ile Arg
1   5   10   15

Asn Phe Gln Asp
            20

<210> 1180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1180
Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe
1   5   10   15

Glu Gly Arg Glu
            20

<210> 1181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1181
Lys Ala Ser Ser Ser Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu
1   5   10   15

Val Asp Pro Ile
            20

<210> 1182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1182
Pro Arg Ala Leu Ala Glu Thr Ser Tyr Val Lys Val Leu Glu His Val
1   5   10   15

Val Arg Val Asn
            20

<210> 1183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1183
Arg Lys Val Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala
1   5   10   15

Arg Glu Pro Val
            20

<210> 1184
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1184
Val Ala Glu Leu Val Arg Phe Leu Leu Arg Lys Tyr Gln Ile Lys Glu
1   5   10   15

Pro Val Thr Lys
            20

<210> 1185
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1185
Asn Tyr Lys Arg Tyr Phe Pro Val Ile Phe Gly Lys Ala Ser Glu Phe
1   5   10   15

Met Gln Val Ile
            20

<210> 1186
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1186
Asp His Phe Thr Glu Ile Leu Asn Gly Ala Ser Arg Arg Leu Glu Leu
1   5   10   15

Val Phe Gly Leu
            20

<210> 1187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1187
Thr Lys Gly Glu Met Leu Lys Ile Val Gly Lys Arg Phe Arg Glu His
1   5   10   15

Phe Pro Glu Ile
            20

<210> 1188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1188

Ile Leu Lys Lys Ala Ser Phe Asn Met Glu Val Val Phe Gly Val Asp
1   5   10   15

Leu Lys Lys Val
            20

<210> 1189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1189
Glu Pro Thr Thr Lys Ala Glu Met Leu Lys Ile Ile Ser Lys Lys Tyr
1   5   10   15

Lys Glu His Phe
            20

<210> 1190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1190
Glu Tyr Lys Pro Tyr Phe Pro Gln Ile Leu Asn Arg Thr Ser Gln His
1   5   10   15

Leu Val Val Ala
            20

<210> 1191
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1191
Pro Val Ser Ser Ser Phe Ser Tyr Thr Leu Leu Ser Leu Phe Gln Ser
1   5   10   15

Ser Pro Glu Arg
            20

<210> 1192
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1192
Glu Glu Pro Val Thr Glu Ala Glu Met Leu Met Ile Val Ile Lys Tyr
1   5   10   15

Lys Asp Tyr Phe
            20

<210> 1193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1193
Arg Ala Gln Leu Arg Leu Asp Phe Ile His Ala Asn Ser Thr Thr His
1   5   10   15

Ser Phe Leu Phe
            20

<210> 1194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1194
Glu Glu Asn Ile Gly Ile Leu Pro Arg Thr Leu Asn Val Leu Phe Asp
1   5   10   15

Ser Leu Gln Glu
            20

<210> 1195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1195
Thr Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu
1   5   10   15

Gln Ile Tyr Lys
            20

<210> 1196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1196
His Gln Lys Tyr Leu Ser Ala Pro Glu Arg Ala His Leu Ala Lys Asn
1   5   10   15

Leu Lys Leu Thr
            20

<210> 1197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1197
Ser Phe Phe Ser Asp Phe Gly Leu Met Trp Tyr Leu Glu Glu Leu Lys
1   5   10   15

Lys Glu Glu Phe
            20

<210> 1198
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1198
Ser Asp Glu Gly Met Glu Val Ile Glu Arg Leu Ile Tyr Leu Tyr His
1   5   10   15

Lys Phe His Gln
            20

<210> 1199
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1199
Pro Ser Leu Ser Gln Glu Gln Gln Glu Met Val Gln Ala Phe Ser Ala
1   5   10   15

Gln Ser Gly Met

20

<210> 1200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1200
Gln Leu Lys Val Leu Ile Ala Glu Asn Thr Met Leu Thr Ser Lys Leu
1 5 10 15

Lys Glu Lys Gln
20

<210> 1201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1201
Ser Thr Gln Ser Gln Ala Leu Gly Ser Leu Arg Thr Thr Thr Pro Ala
1 5 10 15

Phe Thr Leu Asn
20

<210> 1202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1202
Lys Asn Tyr Glu Gly Met Ile Asp Asn Tyr Lys Ser Gln Val Met Lys
1 5 10 15

Thr Arg Leu Glu
20

<210> 1203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1203
Thr Lys Tyr Val Phe Asp Ser Ala Pro Ser His Ser Ile Ser Ala Arg
1 5 10 15

Thr Lys Ala Phe
            20

<210> 1204
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1204
Ser Thr Leu Met Leu Phe Pro Ile Asn Ile Trp Ile Phe Glu Leu Glu
1   5   10   15

Arg Asn Val Ser
            20

<210> 1205
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1205
Asp Gln Ala Ser Phe Thr Thr Ser Met Glu Trp Asp Thr Gln Val Val
1   5   10   15

Lys Gly Ser Ser
            20

<210> 1206
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1206
Thr Ser Asn Ser Glu Ala Ile Ser Ser Ser Ser Ile Pro Gln Phe Pro
1   5   10   15

Ile Thr Ser Asp
            20

<210> 1207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1207
Asn Asp His Tyr Arg Ser Val Tyr Gln Lys Arg Leu Met Asp Glu Ala
1   5   10   15

Lys Ile Leu Lys
            20

<210> 1208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1208
Arg Ser Val Pro Ala Gly Leu Thr Leu Gln Ser Val Ser Pro Gln Ser
1   5   10   15

Leu Gln Gly Lys
            20

<210> 1209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1209
Leu Gln Phe Tyr Asn Ile Ile Phe Arg Arg Leu Leu Lys Ile Met Asn
1   5   10   15

Leu Gln Gln Ile
            20

<210> 1210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1210
Arg Thr Asp Gly Gly Leu Phe Leu Leu Ala Asp Val Ser His Lys Val
1   5   10   15

Ile Arg Asn Asp
            20

<210> 1211
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1211
Lys Lys Met Ser Thr Tyr Leu Lys Thr Ile Ser Pro Asn Asn Phe Thr
1   5   10   15

Leu Ala Phe Ile
            20

<210> 1212
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1212
Val Ala Gly Ser Met Gly Phe Asn Val Asp Tyr Pro Lys Ile Ile Lys
1   5   10   15

Val Gln Glu Asn
            20

<210> 1213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1213
Ser Ile Ser Ile Ser Ala Leu Gln Ser Leu Leu Gln His Leu Ile Gly
1   5   10   15

Leu Ser Asn Leu
            20

<210> 1214
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1214
Leu Tyr Ser Glu Glu Leu Phe Pro Glu Glu Leu Ser Val Val Leu Gly
1   5   10   15

Thr Asn Asp Leu
            20

<210> 1215
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1215
Arg Pro Phe Tyr Arg His Val Ile Tyr Ala Pro Ser Ser His Asn Lys
1   5   10   15

Tyr Ala Gly Glu
            20

<210> 1216
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1216
Val Tyr Ser Lys Gln Pro Tyr Thr Glu Tyr Ile Ser Thr Arg Trp Tyr
1   5   10   15

Arg Ala Pro Glu
            20

<210> 1217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1217
Asn Val Leu Ser Gly Leu Ile Asn Met Ala Gly Ala Ser Ile Pro Ala
1   5   10   15

Met Ser Ser Arg
            20

<210> 1218
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1218
Arg Thr Arg Arg Lys Val Leu Ser Arg Ala Val Ala Ala Ala Thr Tyr
1   5   10   15

Lys Thr Met Gly
            20

<210> 1219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1219
Gly Ala Ile Arg Lys Met Arg Glu Asp Arg Trp Ala Val Ile Ala Lys
1   5   10   15

Met Asp Arg Lys
            20

<210> 1220
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1220
Leu Gln Lys Lys Ile Met Met Glu Thr Gln Gln Gln Glu Ile Ala Ser
1   5   10   15

Val Arg Lys Ser
            20

<210> 1221
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1221
Glu Ile Glu Ala Leu Leu Gly Met Asp Leu Val Arg Leu Gly Leu Glu
1   5   10   15

Arg Gly Glu Thr
            20

<210> 1222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1222
Glu Lys Glu Lys Arg Thr Leu Leu Glu Arg Lys Leu Ser Leu Glu Asn

1 5 10 15

Lys Leu Leu Gln
20

<210> 1223
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1223
Pro Gly Ser Thr Arg Ile Lys Ala Arg Lys Arg Lys Gln Leu His Phe
1 5 10 15

Phe Asp Ser Arg
20

<210> 1224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1224
Glu Gly Ser Asp Gln His Val Ala Ser His Leu Pro Leu His Pro Ile
1 5 10 15

Met His Asn Lys
20

<210> 1225
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1225
Gly Lys Tyr Ser Ala Ala Ile Ala Leu Leu Glu Pro Ala Gly Ser Glu
1 5 10 15

Ile Ala Asp Asp
20

<210> 1226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1226
Lys Thr Arg Asp Gly Gly Ser Val Val Gly Ala Ser Val Phe Tyr Lys
1   5   10   15

Asp Val Ala Gly
            20

<210> 1227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1227
Gln Asp Ile His Val Thr Arg Asp Val Val Lys His His Leu Ser Lys
1   5   10   15

Ser Asp Leu Leu
            20

<210> 1228
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1228
Ala Asp Ser Lys Met Lys Ala Glu Ile Gln Ala Leu Thr Phe Leu Ser
1   5   10   15

Ser Asp Tyr Leu
            20

<210> 1229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1229
Ala Phe Asp Asp Ile Ala Thr Tyr Phe Ser Lys Lys Glu Trp Lys Lys
1   5   10   15

Met Lys Tyr Ser
            20

<210> 1230

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1230
Pro Asn Arg Gly Asn Gln Val Glu Arg Pro Gln Met Thr Phe Gly Arg
1   5   10   15

Leu Gln Gly Ile
            20

<210> 1231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1231
Ala Gln Ile Pro Glu Lys Ile Gln Lys Ala Phe Asp Asp Ile Ala Lys
1   5   10   15

Tyr Phe Ser Lys
            20

<210> 1232
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1232
Trp Glu Lys Met Lys Ser Ser Glu Lys Ile Val Tyr Val Tyr Met Lys
1   5   10   15

Leu Asn Tyr Glu
            20

<210> 1233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1233
Asn Gly Asp Asp Ala Phe Val Arg Arg Pro Arg Val Gly Ser Gln Ile
1   5   10   15

Pro Glu Lys Met
            20

<210> 1234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1234
Lys Ile Glu Asp Leu Met Glu Met Val Gln Lys Leu Gln Lys Val Gly
1   5   10   15

Ser Leu Glu Pro
            20

<210> 1235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1235
Lys Asp Lys Leu Lys Ile Asp Leu Leu Pro Asp Gly Arg His Ala Val
1   5   10   15

Val Glu Val Glu
            20

<210> 1236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1236
Thr Asp Gly Arg His Phe Val Ser Gln Thr Thr Gly Asn Leu Tyr Ile
1   5   10   15

Ala Arg Thr Asn
            20

<210> 1237
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1237
Thr Ala Asp Glu Leu Arg Met Ile Ser Ser Thr Phe Leu Asn Leu Pro
1   5   10   15

Phe Gln Gly Ile
            20

<210> 1238
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1238
Leu Gln Val Arg Gly Ala Glu Ala Ser Arg Leu Trp Ala Ser Arg Leu
1   5   10   15

Thr Asp Asp Ser
            20

<210> 1239
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1239
Leu Val Tyr Glu Arg Ile Thr Ile Gly Thr Leu Phe Ser Val Leu His
1   5   10   15

Glu Arg Arg Ser
            20

<210> 1240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1240
Lys Gln Arg Phe Arg Gly Met Leu Trp Phe Asp Leu Ser Leu Leu Pro
1   5   10   15

Glu Leu Val Gln
            20

<210> 1241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1241

Pro Ser Thr Thr Met Thr Lys Ala Arg Lys Arg Arg Arg Arg Arg Arg
1   5   10   15

Leu Met Glu Leu
            20

<210> 1242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1242
Met Asp Val Leu Leu Arg Val Phe Val Glu Arg Arg Gln Gln Tyr Phe
1   5   10   15

Ser Asp Leu Phe
            20

<210> 1243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1243
Asp Lys Lys Ser Glu Asn Ile Ala Ser Leu Gly Glu Ser Leu Ala Met
1   5   10   15

Lys Glu Lys Thr
            20

<210> 1244
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1244
Ile Asp Gln Met Thr Gln Thr Ala Ser Asp Val Pro Val Leu Gln Val
1   5   10   15

Ile Met His Ser
            20

<210> 1245
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1245
Thr Pro Glu Ser Ala Pro Glu Glu Leu Leu Ala Val Gln Val Glu Leu
1   5   10   15

Glu Pro Val Asn
            20

<210> 1246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1246
Phe Leu Leu His His Ala Phe Val Asp Ser Ile Phe Glu Gln Trp Leu
1   5   10   15

Arg Arg His Arg
            20

<210> 1247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1247
Glu Leu Val Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu
1   5   10   15

Gln Leu Ala Leu
            20

<210> 1248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1248
Gly Arg Ala Phe Ser Gln Ser Ser Asn Leu Ser Gln His Gln Arg Ile
1   5   10   15

His Met Arg Glu
            20

<210> 1249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1249
Ala Phe Ala Arg Arg Pro Pro Leu Ala Glu Leu Ala Ala Leu Asn Leu
1   5   10   15

Ser Gly Ser Arg
            20

<210> 1250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1250
Leu Gln Asn Glu Thr Tyr Ser Ala Leu Ser Pro Gly Lys Ser Glu Asp
1   5   10   15

Val Val Leu Arg
            20

<210> 1251
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1251
Ser Asn Thr Tyr Gln Leu Pro Asp Gly Ser Arg Val Glu Leu Thr Pro
1   5   10   15

Met Gln Arg Val
            20

<210> 1252
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1252
Val Ile Leu Ala Gln Leu Leu Ser Leu Ser Met Gly Ile Thr Tyr Asp
1   5   10   15

Asp Ile Asn Lys

20

<210> 1253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1253
Pro Phe Gly Gly Gln Lys His Ile Ile His Ile Lys Val Lys Lys Leu
1 5 10 15

Leu Phe Ser Lys
20

<210> 1254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1254
Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys
1 5 10 15

Pro Gln Ile Thr
20

<210> 1255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1255
Tyr Asp Ser Asp Ser Trp Ala Glu Asp Leu Ile Val Ser Ala Leu Leu
1 5 10 15

Leu Ile Gln Tyr
20

<210> 1256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1256
Asp Ile Met Glu Ala Met Leu Lys Arg Leu Val Ser Ala Leu Ile Gly
1 5 10 15

Glu Glu Lys Glu
            20

<210> 1257
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1257
Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr Lys Lys
1   5   10   15

Glu Leu Ala Ser
            20

<210> 1258
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1258
Pro Asn His His Gln Leu Ala Phe Asn Tyr Gln Glu Leu Glu His Leu
1   5   10   15

Gln Thr Val Lys
            20

<210> 1259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1259
Pro Ala Gln Leu Ala Ala Gln Met Leu Gly Lys Val Ser Ser Ile His
1   5   10   15

Ser Asp Gln Ser
            20

<210> 1260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1260
Ser Asp Glu Ala Lys Ser Ile Arg Asp Val Pro Thr Leu Leu Gly Ala
1   5   10   15

Lys Leu Asp Lys
            20

<210> 1261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1261
Gln Asp Trp Glu Lys His Phe Leu Asp Ala Ser Thr Ser Lys Gln Ser
1   5   10   15

Asp Trp Asn Gly
            20

<210> 1262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1262
Thr Ser Lys Leu Gln Arg Leu Leu Ala Glu Ser Arg Gln Met Val Thr
1   5   10   15

Asp Leu Glu Leu
            20

<210> 1263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1263
Met Ile Val Lys Lys Glu Lys Leu Ala Thr Ala Gln Phe Lys Ile Asn
1   5   10   15

Lys Lys His Glu
            20

<210> 1264
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1264
Ala Gln Leu Gln Arg Thr Pro Met Ser Ala Leu Val Phe Pro Asn Lys
1   5   10   15

Ile Ser Thr Glu
            20

<210> 1265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1265
Val Ala Glu Ala Lys Met Thr Phe Lys Arg Phe Gln Ala Asn Glu Glu
1   5   10   15

Arg Leu Glu Ile
            20

<210> 1266
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1266
Met Ala Ala Thr Glu Ile Ser Val Leu Ser Glu Gln Phe Thr Lys Ile
1   5   10   15

Lys Glu Leu Glu
            20

<210> 1267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1267
Ala Asp Met Ala Asp Val Met Arg Leu Leu Ser His Leu Lys Ile Val
1   5   10   15

Glu Glu Ala Leu
            20

<210> 1268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1268
Val Glu Glu Asp Lys Pro His Tyr Gly Leu Arg Ala Ile Lys Val Asp
1   5   10   15

Val Val Pro Arg
            20

<210> 1269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1269
Ser Gly Leu Ile Asn Ser Asn Thr Asp Asn Asn Leu Ala Val Tyr Asp
1   5   10   15

Leu Ser Arg Asp
            20

<210> 1270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1270
Val Pro Val Lys Gly Ser Arg Tyr Ala Pro Asn Arg Arg Lys Ser Arg
1   5   10   15

Arg Phe Ile Pro
            20

<210> 1271
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1271
Phe His Leu Trp Lys Ala Glu Asn Thr Leu Ser Lys Leu Leu Ser Thr
1   5   10   15

Lys Leu Pro Tyr
            20

<210> 1272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1272
Lys Met Thr Asp Asn Lys Thr Gly Glu Val Leu Ile Ser Glu Asn Val
1   5   10   15

Val Ala Ser Ile
            20

<210> 1273
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1273
Thr Tyr Tyr Ser Ser Phe Tyr Gln Pro Ser Leu Phe Pro Tyr Tyr Asn
1   5   10   15

Asn Leu Tyr Asn
            20

<210> 1274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1274
Val Arg Thr Tyr Trp Ile Ile Ile Glu Leu Lys His Lys Ala Arg Glu
1   5   10   15

Lys Pro Tyr Asp
            20

<210> 1275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1275
Pro Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr Tyr Arg Lys

1 5 10 15

Lys Gly Asp Ser
20

<210> 1276
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1276
Glu Gln Gln Lys Lys Ile Glu Ser Tyr Leu His Asn His Phe Ile Gly
1 5 10 15

Glu Gly Met Thr
20

<210> 1277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1277
Pro Asn Thr Lys Ala Glu Met Glu Met Ser Leu Ala Glu Glu Leu Asn
1 5 10 15

His Gly Arg Gln
20

<210> 1278
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1278
Phe Glu Arg Ile Met Lys Tyr Glu Arg Leu Ala Arg Ile Leu Leu Gln
1 5 10 15

Glu Ile Pro Ile
20

<210> 1279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1279
Pro Val Lys Gly Tyr Glu Leu Ala Val Thr Gln His Gln Gln Leu Ala
1   5   10   15

Glu Ile Asp Ile
            20

<210> 1280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1280
Glu Ala Gly Leu Ala Glu Tyr Leu Phe Asp Lys Leu Thr Leu Gly Gly
1   5   10   15

Arg Val Lys Glu
            20

<210> 1281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1281
Glu Lys Asp His Ile Phe Ser Ser Tyr Thr Ala Phe Gly Asp Leu Glu
1   5   10   15

Val Phe Leu His
            20

<210> 1282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1282
Ser Ser Phe Asn Pro Ala Ala Leu Ser Arg His Met Ser Ser Leu Ser
1   5   10   15

His Ile Ser Pro
            20

<210> 1283

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1283
Ala Arg Arg Asp Leu Lys Val Phe Gly Asn Phe Pro Lys Leu Ile Met
1   5   10   15

Thr Gln Val Ser
            20

<210> 1284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1284
Ser Leu Ile Tyr Arg Arg Arg Leu Met Lys Gln Asp Phe Ser Val Pro
1   5   10   15

Gln Leu Pro His
            20

<210> 1285
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1285
Ile Lys Asn Ile Gln Ser Thr Thr Asn Thr Thr Ile Gln Ile Ile Gln
1   5   10   15

Glu Gln Pro Glu
            20

<210> 1286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1286
Thr Tyr Glu Thr Ala Val Ala Leu Asp Thr Glu Ile Pro Asn Glu Leu
1   5   10   15

Pro Tyr Asn Asp
            20

<210> 1287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1287
Leu Asp Gln Ile Arg Gln Thr Ile Phe Glu Asn Leu Lys Met Leu Asn
1   5   10   15

His Ala Pro Ser
            20

<210> 1288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1288
Leu Gly Gln Ser Phe Ser Phe His Ser Gly Asn Ala Asn Ile Pro Ser
1   5   10   15

Ile Tyr Ala Asn
            20

<210> 1289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1289
Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg Ser Ser Tyr Phe Thr
1   5   10   15

Phe Gln Leu Gln
            20

<210> 1290
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1290
Ser Ile Pro Val His Leu Asn Ser Leu Pro Arg Leu Glu Thr Leu Val
1   5   10   15

Ala Glu Val Gln
            20

<210> 1291
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1291
Glu Glu Val Lys Leu Glu Ala His Ile Arg Val Pro Ser Phe Ala Ala
1   5   10   15

Gly Arg Val Ile
            20

<210> 1292
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1292
Leu Gln Glu Pro Ser Asp Leu Arg Ala Val Leu Leu Ile Asn Ser Lys
1   5   10   15

Ser Tyr Val Ser
            20

<210> 1293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1293
Glu Ala Leu Phe Lys Lys Ser Ala Glu Thr Leu Trp Asn Ile Gln Lys
1   5   10   15

Asp Leu Ile Phe
            20

<210> 1294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1294

Leu Gln Glu Val Lys Ile Leu Ala Gln Phe Tyr Asn Asp Phe Val Asn
1   5   10   15

Ile Ser Ser Ile
            20

<210> 1295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1295
Ala Arg Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys
1   5   10   15

Asn Tyr Lys His
            20

<210> 1296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1296
Leu Val Gln Phe Leu Leu Phe Lys Tyr Gln Met Lys Glu Pro Ile Thr
1   5   10   15

Lys Ala Glu Ile
            20

<210> 1297
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1297
Thr Val Arg Pro Ala Asp Leu Thr Arg Val Ile Met Pro Leu Glu Gln
1   5   10   15

Arg Ser Gln His
            20

<210> 1298
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1298
Pro Arg Lys Leu Leu Thr Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu
1   5   10   15

Tyr Arg Gln Val
            20

<210> 1299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1299
Glu Glu Gly Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala
1   5   10   15

Ala Ile Ser Arg
            20

<210> 1300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1300
Gly Ser Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser
1   5   10   15

Lys Ala Ser Ser
            20

<210> 1301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1301
Gly Ser Asn Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu
1   5   10   15

Ala Glu Thr Ser
            20

<210> 1302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1302
Lys Ala Ser Asp Ser Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu
1   5   10   15

Val Asp Pro Ile
            20

<210> 1303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1303
Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Arg Tyr Phe Pro
1   5   10   15

Val Ile Phe Gly
            20

<210> 1304
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1304
Leu Asn Gly Ala Ser Arg Arg Leu Glu Leu Val Phe Gly Leu Asp Leu
1   5   10   15

Lys Glu Asp Asn
            20

<210> 1305
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1305
Asn Ser Ala Thr Glu Glu Glu Ile Trp Glu Phe Leu Asn Met Leu Gly
1   5   10   15

Val Tyr Asp Gly

20

<210> 1306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1306
Glu Pro Arg Lys Leu Ile Thr Gln Asp Leu Val Lys Leu Lys Tyr Leu
1 5 10 15

Glu Tyr Arg Gln
20

<210> 1307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1307
Leu Asn Met Leu Gly Ile Tyr Asp Gly Lys Arg His Leu Ile Phe Gly
1 5 10 15

Glu Pro Arg Lys
20

<210> 1308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1308
Ala Arg Lys Ile Ile Thr Glu Asp Leu Val Gln Asp Lys Tyr Val Val
1 5 10 15

Tyr Arg Gln Val
20

<210> 1309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1309
Lys Gln Pro Ile Thr Lys Ala Glu Met Leu Thr Asn Val Ile Ser Arg
1 5 10 15

Tyr Thr Gly Tyr
            20

<210> 1310
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1310
Pro His Ser Ser Pro Pro Tyr Tyr Glu Phe Leu Trp Gly Pro Arg Ala
1   5   10   15

His Ser Glu Ser
            20

<210> 1311
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1311
Leu Lys Ser Gly Ser Met Arg Ile Gly Lys Asp Phe Ile Leu Phe Thr
1   5   10   15

Lys Lys Glu Glu
            20

<210> 1312
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1312
Gln Lys Trp Arg Glu Glu Arg Asp Gln Leu Val Ala Ala Leu Glu Ile
1   5   10   15

Gln Leu Lys Ala
            20

<210> 1313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1313
Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val His Asn Val
1   5   10   15

Thr Ser Ala Ser
            20

<210> 1314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1314
Ala Phe Ser His Thr Gln Val Ile Glu Leu Glu Arg Lys Phe Ser His
1   5   10   15

Gln Lys Tyr Leu
            20

<210> 1315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1315
Phe Lys Asp Pro Lys Arg Ala Met Glu Ala Phe Asn Leu Val Arg Glu
1   5   10   15

Ser Glu Gln Leu
            20

<210> 1316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1316
Pro Ser Pro Gly Ser Thr Leu Ser Ser Ser Arg Ser Val Glu Leu Asn
1   5   10   15

Gly Phe Met Ala
            20

<210> 1317
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1317
Thr Met Asn Lys Arg Tyr Asn Val Ser Gln Gln Ala Leu Asp Leu Gln
1   5   10   15

Asn Leu Arg Phe
            20

<210> 1318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1318
Ile Glu Val His Asn Lys Ala Ser Leu Thr Pro Leu Leu Leu Ser Ile
1   5   10   15

Thr Lys Arg Ser
            20

<210> 1319
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1319
Ser Asp Phe Lys Asp Phe Ile Phe Asp Asp Met Tyr Ile Val Gln Lys
1   5   10   15

Tyr Ile Ser Asn
            20

<210> 1320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1320
Phe Lys Leu Glu Asn Glu Arg Leu Lys Ala Ser Phe Ala Pro Met Glu
1   5   10   15

Asp Lys Leu Asn
            20

<210> 1321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1321
Arg Thr Gly Lys Asp Leu Gly Pro Ala Tyr Ser Ile Leu Gly Arg Tyr
1   5   10   15

Gln Thr Lys Thr
            20

<210> 1322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1322
Tyr Phe Asn His Lys Ser Phe Trp Ser Leu Ile Leu Ser His Pro Ser
1   5   10   15

Gly Ala Val Ser
            20

<210> 1323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1323
Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu Ser Glu
1   5   10   15

Lys Ile Ala Glu
            20

<210> 1324
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1324
Ser Ile Pro Gln Phe Pro Ile Thr Ser Asp Ser Thr Ile Ser Thr Leu
1   5   10   15

Glu Thr Pro Gln
20

<210> 1325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1325
Met Asp Glu Ala Lys Ile Leu Lys Ser Leu His His Pro Asn Ile Val
1 5 10 15

Gly Tyr Arg Ala
20

<210> 1326
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1326
Tyr Asn Val Thr Ser Asp Tyr Ala Val His Pro Met Ser Pro Val Gly
1 5 10 15

Arg Thr Ser Arg
20

<210> 1327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1327
Arg Asp Trp Gly Leu Ser Phe Asp Ser Asn Leu Leu Ser Phe Ser Gly
1 5 10 15

Arg Ile Leu Gln
20

<210> 1328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1328
Arg Ile Asn Leu Lys Asn Thr Ser Phe Ile Thr Ser Gln Glu Leu Asn

1 5 10 15

Trp Val Lys Glu
20

<210> 1329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1329
Asp Val Ser His Lys Leu Leu Arg Ile Glu Thr Ala Tyr Asp Phe Ile
1 5 10 15

Lys Arg Thr Ser
20

<210> 1330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1330
Pro Gly Phe Ala Ile Ser Val Ser Tyr Phe Glu Arg Lys Leu Leu Phe
1 5 10 15

Ser Ala Asp Val
20

<210> 1331
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1331
Lys Leu Pro Thr Leu Ala Lys Phe Ser Pro Tyr Leu Gly Gln Met Ile
1 5 10 15

Asn Leu Arg Arg
20

<210> 1332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1332
Leu Val Asn Tyr Asn Leu Trp Ile Glu Lys Val Thr Gln Leu Glu Gly
1   5   10   15

Arg Pro Phe Asn
            20

<210> 1333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1333
Leu Lys Lys Glu Gly Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser
1   5   10   15

Trp Asp Ala Glu
            20

<210> 1334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1334
Tyr Val Met Glu Leu Pro Lys Leu Lys Leu Ser Gly Val Val Arg Leu
1   5   10   15

Ser Ser Tyr Ser
            20

<210> 1335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1335
Phe Gly Gln Asn Tyr Glu Arg Ile Phe Ile Leu Leu Glu Glu Val Gln
1   5   10   15

Gly Ser Met Lys
            20

<210> 1336

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1336
Glu Lys Ala Leu Asn Ala Gly Phe Ile Gln Ala Thr Asp Tyr Val Glu
1   5   10   15

Ile Trp Gln Ala
            20

<210> 1337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1337
Glu Ser Lys Gln Leu Asn Val Tyr Glu Ile Lys Val Asn Lys Leu Glu
1   5   10   15

Leu Glu Leu Glu
            20

<210> 1338
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1338
Gly Glu Val Gln Asn Met Leu Glu Gly Val Gly Val Asp Ile Asn Lys
1   5   10   15

Ala Leu Leu Ala
            20

<210> 1339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1339
Phe Thr Gly Thr Pro Asp Pro Ser Arg Ser Ile Phe Lys Pro Phe Ile
1   5   10   15

Phe Val Asp Asp
            20

<210> 1340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1340
Tyr Glu Ser Thr Ser Ala His Ile Ile Glu Glu Thr Glu Tyr Val Lys
1   5   10   15

Lys Ile Arg Thr
            20

<210> 1341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1341
Arg Lys Arg Lys Gln Leu His Phe Phe Asp Ser Arg Leu Lys Asp Leu
1   5   10   15

Lys Leu Gly Thr
            20

<210> 1342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1342
Thr Gly Gly Ala Thr Val Ala Glu Ala Arg Val Tyr Arg Asp Ala Arg
1   5   10   15

Gly Arg Ala Ser
            20

<210> 1343
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1343
Ile Ala Lys Pro Asn Asn Ala Tyr Glu Phe Gly Gln Ile Ile Asn Ala
1   5   10   15

Leu Ser Thr Arg
            20

<210> 1344
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1344
Gly Tyr Arg Asn Lys Ile Tyr Val Val Gln Pro Lys Ala Met Lys Ile
1   5   10   15

Glu Lys Ser Phe
            20

<210> 1345
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1345
Asp Ile Met Arg Asp Arg Ile Glu Gln Val Arg Arg Ser Ile Ser Arg
1   5   10   15

Leu Thr Asp Val
            20

<210> 1346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1346
Asp Val Leu Asp Arg His Arg Glu Ser Leu Leu Ala Ala Leu Arg Arg
1   5   10   15

Gly Gly Arg Glu
            20

<210> 1347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1347

Asp Asn Asp His Asn Arg Arg Ile Gln Val Glu His Pro Gln Met Thr
1   5   10   15

Phe Gly Arg Leu
            20

<210> 1348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1348
Pro Asn Arg Gly Asn Gln Val Gln Arg Pro Gln Met Thr Phe Gly Arg
1   5   10   15

Leu Gln Gly Ile
            20

<210> 1349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1349
His Arg Leu Arg Glu Arg Lys Gln Leu Val Val Tyr Glu Glu Ile Ser
1   5   10   15

Asp Pro Glu Glu
            20

<210> 1350
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1350
Gln Ile Pro Glu Lys Met Gln Lys Ala Phe Asp Asp Ile Ala Lys Tyr
1   5   10   15

Phe Ser Glu Lys
            20

<210> 1351
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1351
Leu Gln Ile Glu Glu Glu Lys Asn Lys Gln Arg Gln Leu Arg Leu Ala
1   5   10   15

Phe Glu Glu Gln
            20

<210> 1352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1352
Gly Ser Ile Pro Gly Phe Leu Ile Ser Ser Gly Met Ser Ser His Lys
1   5   10   15

Gln Gly His Thr
            20

<210> 1353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1353
Gly Leu Ser Tyr Arg Trp Leu Leu Asn Glu Phe Pro Asn Phe Ile Pro
1   5   10   15

Thr Asp Gly Arg
            20

<210> 1354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1354
Ile Ile Ser Asp Val Leu Ile Asp Glu His Leu Val Leu Lys Ser Ala
1   5   10   15

Ser Pro His Lys
            20

<210> 1355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1355
Phe Gln Ala Glu Asn Thr Ile Met Leu Leu Glu Arg Ser Ile Met Ala
1   5   10   15

Lys Glu Gly Pro
            20

<210> 1356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1356
Trp Lys Arg Leu Gly Trp Ser Glu Ser Ser Arg Ile Ile Val Leu Asp
1   5   10   15

Gln Ser Asp Leu
            20

<210> 1357
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1357
Thr Lys Arg Glu Lys Asn Ser Tyr Tyr Val Phe Leu Lys Tyr Lys Arg
1   5   10   15

Gln Val Asn Glu
            20

<210> 1358
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1358
Arg Ser Ser Leu Glu Tyr Arg Ala Ser Ser Arg Leu Lys Glu Leu Ala
1   5   10   15

Ala Pro Lys Ile

20

<210> 1359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1359
Gln Lys Arg Tyr Val Ala Tyr Phe Ala Gln Val Lys His Leu Tyr Asn
1 5 10 15

Trp Asn Leu Pro
20

<210> 1360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1360
Glu Asn Glu Leu Asp Ser Ala His Ser Glu Ile Glu Leu Leu Arg Ser
1 5 10 15

Gln Met Ala Asn
20

<210> 1361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1361
Asp Ile Gly Leu Leu Lys Leu Lys Gln Glu Leu Lys Tyr Ser Asn Tyr
1 5 10 15

Val Arg Pro Ile
20

<210> 1362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1362
Ser Asn Pro Tyr Phe Gln Asn Lys Val Ile Thr Lys Glu Tyr Leu Val
1 5 10 15

Asn Ile Thr Glu
            20

<210> 1363
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1363
Pro Ala Phe Leu Pro Trp His Arg Leu Phe Leu Leu Arg Trp Glu Gln
1   5   10   15

Glu Ile Gln Lys
            20

<210> 1364
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1364
Ala Gln Tyr Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp
1   5   10   15

Val Arg Arg Val
            20

<210> 1365
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1365
Glu His Gly Gln Glu Ile Phe Gln Lys Lys Val Ser Pro Pro Gly Pro
1   5   10   15

Ala Leu Asn Val
            20

<210> 1366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1366
Asp Glu Arg Gln Asn Arg Ser Phe Glu Gly Met Val Val Ala Ala Leu
1   5   10   15

Leu Ala Gly Arg
            20

<210> 1367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1367
Thr Pro Thr Ala Lys Ala Trp Lys Tyr Met Glu Glu Glu Ile Leu Gly
1   5   10   15

Phe Gly Lys Ser
            20

<210> 1368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1368
Trp Glu Gly Ser Asn Arg Asn Phe Ser Val Trp Leu Gly Ala Ser Val
1   5   10   15

Val Ala His Leu
            20

<210> 1369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1369
Val Leu Ile Ala Ile Met Val Lys Val Asn Phe Gln Arg Lys Lys Trp
1   5   10   15

Arg Thr Glu Asp
            20

<210> 1370
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1370
Glu Arg Asn Asp Ser Lys Leu Leu Glu Asp Leu Tyr Val Ile Val Asn
1   5   10   15

Ile Val Asp Ser
            20

<210> 1371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1371
Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly
1   5   10   15

Leu Leu Glu Lys
            20

<210> 1372
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1372
Ile Asp Gly His Met Ser Gly Gln Met Val Glu His Leu Met Asn Ser
1   5   10   15

Val Met Lys Leu
            20

<210> 1373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1373
Gln Val Ala Ser Asp Met Met Val Ser Leu Met Lys Thr Leu Lys Val
1   5   10   15

His Ser Ser Gly
            20

<210> 1374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1374
Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly His Leu Glu
1   5   10   15

Thr Val Ile Leu
            20

<210> 1375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1375
Glu Leu Glu His Leu Gln Thr Val Lys Asn Ile Ser Pro Leu Gln Ile
1   5   10   15

Leu Pro Pro Ser
            20

<210> 1376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1376
Ala Gln Leu Glu Glu Asn Ala Lys Tyr Ser Ser Val Tyr Met Glu Ala
1   5   10   15

Glu Ala Thr Ala
            20

<210> 1377
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1377
Ser Gly Glu Met Leu Lys Phe Thr Glu Lys Ser Leu Ala Lys Ser Ile
1   5   10   15

Ala Lys Glu Ser
            20

<210> 1378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1378
Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asp Asp Glu Glu Tyr Ala
1   5   10   15

Asp Asn Phe Gly
            20

<210> 1379
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1379
Asn Phe Asn Val Glu Asn Ser Gln Glu Leu Ile Gln Met Tyr Asp Ser
1   5   10   15

Lys Met Glu Glu
            20

<210> 1380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1380
Asn Tyr Lys Glu Lys Met Lys Asp Thr Val Gln Lys Leu Lys Asn Ala
1   5   10   15

Arg Gln Glu Val
            20

<210> 1381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1381
Thr Glu Arg Glu Arg Met Glu Asn Ile Asp Ser Thr Ile Leu Ser Pro

1 5 10 15

Lys Gln Ile Lys
20

<210> 1382
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1382
His Ser Glu Gln Asn Glu Leu Met Ala Asp Ile Ser Lys Arg Ile Gln
1 5 10 15

Ser Leu Glu Asp
20

<210> 1383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1383
Glu Glu Leu Glu Arg Thr Ile His Ser Tyr Gln Gly Gln Ile Ile Ser
1 5 10 15

His Glu Lys Lys
20

<210> 1384
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1384
Glu Glu Ser Glu Lys Tyr Ile Leu Thr Leu Gln Thr Val His Phe Thr
1 5 10 15

Ser Glu Ala Val
20

<210> 1385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1385
Ser Leu Glu Glu Arg Leu Glu Ser Ile Ile Ser Gly Ala Ala Leu Met
1   5   10   15

Ala Asp Ser Ser
            20

<210> 1386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1386
Ser Ile Tyr Phe Ser Ser Asp Val Val Thr Gly Asn Val Pro Leu Lys
1   5   10   15

Val Gly Gln Lys
            20

<210> 1387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1387
Ala Leu Ile Val Phe Trp Lys Tyr Arg Arg Phe Gln Arg Asn Thr Gly
1   5   10   15

Glu Met Ser Ser
            20

<210> 1388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1388
Asn Pro Ala Thr Ala Val Ser Gly Thr Pro Ala Pro Pro Ala Arg Ser
1   5   10   15

Gln Ala Asp Lys
            20

<210> 1389

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1389
Glu Thr Trp Arg Asn Tyr Phe Ser Asp Ile Asp Phe Phe Pro Asn Ala
1   5   10   15

Val Tyr Thr His
            20

<210> 1390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1390
Glu Val Leu Ile Ser Glu Asn Val Val Ala Ser Ile Gln Pro Ala Glu
1   5   10   15

Gly Ser Phe Glu
            20

<210> 1391
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1391
Pro Gln Tyr Ser Met Ala Leu Ala Ala Asp Ser Ala Ser Gly Glu Val
1   5   10   15

Gly Asn Pro Leu
            20

<210> 1392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1392
His Lys Ala Arg Glu Lys Pro Tyr Asp Ser Lys Ser Leu Arg Thr Ala
1   5   10   15

Leu Gln Lys Glu
            20

<210> 1393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1393
Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val Val Gln Met Thr Asn
1   5   10   15

Asp Asp Ile Lys
            20

<210> 1394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1394
Ala Glu Ser Met Tyr Gly Asp Phe Gln Glu Ala Met Thr His Leu Gln
1   5   10   15

His Lys Leu Ile
            20

<210> 1395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1395
Val Ala Gln Thr Ser Leu Glu Glu Phe Asn Val Leu Glu Met Glu Val
1   5   10   15

Met Arg Arg Gln
            20

<210> 1396
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1396
Lys Tyr Arg Lys Leu Ile Glu Ser Glu Leu Ser Tyr Phe Val Ile Val
1   5   10   15

Tyr Ser Val Met
            20

<210> 1397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1397
Ser Thr Glu Pro Gly Ser Phe Lys Val Asp Thr Ala Ser Asn Leu Asn
1   5   10   15

Ser Gly Lys Glu
            20

<210> 1398
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1398
Leu Glu Asn Phe Phe Arg Tyr Phe Leu Arg Leu Ser Asp Asp Lys Met
1   5   10   15

Glu His Ala Gln
            20

<210> 1399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1399
Pro Val Asn Ser Gln Lys Ile Thr Leu Glu Trp Ala Ser Pro Gln Asn
1   5   10   15

Phe Thr Ser Val
            20

<210> 1400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1400

Asn Arg Pro Leu Ile Lys Pro Lys Arg Arg Leu Ser Ala Ala Arg Arg
1   5   10   15

Ala Gly Thr Ser
            20

<210> 1401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1401
Glu Ala Phe Glu Ile Val Val Arg His Ala Lys Asn Tyr Thr Asn Ala
1   5   10   15

Met Phe Lys Asn
            20

<210> 1402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1402
Gln Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu Ser Tyr
1   5   10   15

Thr Trp Asp Phe
            20

<210> 1403
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1403
Ile Pro Glu Glu Leu Val Ser Met Ala Glu Arg Phe Lys Ala His Gln
1   5   10   15

Gln Lys Arg Glu
            20

<210> 1404
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1404
Lys Gln Gln Thr Asp Ile Ala Val Asn Trp Ala Gly Gly Leu His His
1   5   10   15

Ala Lys Lys Ser
            20

<210> 1405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1405
His Asn Leu Leu Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr
1   5   10   15

Arg Pro His Lys
            20

<210> 1406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1406
Arg Phe His Ser Glu Asp Tyr Ile Asp Phe Leu Gln Arg Val Ser Pro
1   5   10   15

Thr Asn Met Gln
            20

<210> 1407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1407
Thr Leu Val Val Thr Ala Asn Arg Gly Ser Ser Pro Gln Val Met Ser
1   5   10   15

Arg Ser Asn Gly
            20

<210> 1408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1408
Ile Arg Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro
1   5   10   15

Leu Pro Pro Val
            20

<210> 1409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1409
Arg Asp Tyr Thr Leu Arg Thr Phe Gly Glu Met Ala Asp Ala Phe Lys
1   5   10   15

Ser Asp Tyr Phe
            20

<210> 1410
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1410
Glu Glu Ile Pro Leu Lys Ile Leu Ala His Asn Asn Phe Val Gly Arg
1   5   10   15

Leu Ile Gly Lys
            20

<210> 1411
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1411
Gly Gly Leu Lys Lys Leu Leu Ser Phe Ala Glu Asn Ser Thr Ile Pro
1   5   10   15

Asp Ile Gln Lys

20

<210> 1412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1412
Asp Leu Gln His Gly Ser Leu Phe Phe Ser Thr Ser Lys Ile Thr Ser
1 5 10 15

Gly Lys Asp Tyr
20

<210> 1413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1413
Val Lys Asn Thr Arg Lys Val Ala Val Ser Leu Ser Val His Ile Lys
1 5 10 15

Asn Leu Leu Lys
20

<210> 1414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1414
Lys Val Leu Glu Tyr Val Ile Lys Val Ser Ala Arg Val Arg Phe Phe
1 5 10 15

Phe Pro Ser Leu
20

<210> 1415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1415
Thr Ser Leu Gly Leu Thr Tyr Asp Gly Met Leu Ser Asp Val Gln Ser
1 5 10 15

Met Pro Lys Thr
            20

<210> 1416
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1416
Ser Phe Ser Gln Asp Ile Leu His Asp Lys Ile Ile Asp Leu Val His
1   5   10   15

Leu Leu Leu Arg
            20

<210> 1417
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1417
Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Ala Ser
1   5   10   15

Asp Gly Arg Glu
            20

<210> 1418
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1418
Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val
1   5   10   15

Thr Lys Ala Glu
            20

<210> 1419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1419
Glu Ser Ala Gly Pro Pro Gln Ser Pro Gln Gly Ala Ser Ala Leu Pro
1   5   10   15

Thr Thr Ile Ser
            20

<210> 1420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1420
Gly Ser Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser
1   5   10   15

Lys Ala Ser Asp
            20

<210> 1421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1421
Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Asn His
1   5   10   15

Phe Pro Asp Ile
            20

<210> 1422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1422
Glu Pro Arg Lys Leu Leu Thr Gln Asp Trp Val Gln Glu Asn Tyr Leu
1   5   10   15

Glu Tyr Arg Gln
            20

<210> 1423
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1423
Met Leu Met His Phe Ile Leu Arg Lys Tyr Lys Met Arg Glu Pro Ile
1   5   10   15

Met Lys Ala Asp
            20

<210> 1424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1424
Phe Gly Leu Glu Leu Asn Lys Val Asn Pro Asn Gly His Thr Tyr Thr
1   5   10   15

Phe Ile Asp Lys
            20

<210> 1425
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1425
Ser Lys Met Lys Val Leu Glu Phe Trp Ala Lys Val Asn Lys Thr Val
1   5   10   15

Pro Ser Ala Phe
            20

<210> 1426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1426
Phe Arg Lys Val Ser Gln Arg Thr Glu Leu Val Phe Gly Leu Ala Leu
1   5   10   15

Lys Glu Val Asn
            20

<210> 1427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1427
Ser Ala Ser Gln Lys Ala Ile Ile Phe Lys Arg Leu Ser Lys Asp Ala
1   5   10   15

Val Lys Lys Lys
            20

<210> 1428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1428
Leu Gln Ile Pro Val Ser Pro Ser Ser Ser Ser Thr Leu Leu Ser Leu
1   5   10   15

Phe Gln Ser Phe
            20

<210> 1429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1429
Lys Asp Tyr Phe Pro Val Ile Leu Lys Arg Ala Arg Glu Phe Met Glu
1   5   10   15

Leu Leu Phe Gly
            20

<210> 1430
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1430
Asn Asp Val Leu Ala Met Lys Arg Ser Ser Ser Leu Pro Ser Trp Lys
1   5   10   15

Ser Leu Leu Asn
            20

<210> 1431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1431
Ala Phe Thr Lys Leu Asn Asn Ala Ser Ser Arg Ser His Ser Ile Phe
1   5   10   15

Thr Val Lys Ile
            20

<210> 1432
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1432
Arg Arg Lys Asn Tyr Gly Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr
1   5   10   15

Tyr His Pro Met
            20

<210> 1433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1433
Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln Val Lys
1   5   10   15

Ile Trp Phe Gln
            20

<210> 1434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1434
Glu Lys Leu Asp Ala Phe Phe Gly Phe Gln Leu Ser Gln Glu Ile Lys

1 5 10 15

Gln Gln Ile His
20

<210> 1435
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1435
Gln Ser Tyr Ser Leu Ile His Gln Leu Leu Ser Ala Glu Asp Leu Glu
1 5 10 15

Pro Leu Gly Thr
20

<210> 1436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1436
Tyr Leu Lys Gly Glu Leu Leu Arg Arg Thr Lys Arg Asp Ile Val Asp
1 5 10 15

Ser Leu Ser Ala
20

<210> 1437
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1437
Ser Leu Val Glu Lys Thr Pro Asp Glu Ala Ala Ser Leu Val Glu Gly
1 5 10 15

Thr Ser Asp Lys
20

<210> 1438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1438
Lys Pro Ala Glu Leu Ser Arg Gly Arg Gly Ile Leu Ile Phe Ser Asp
1   5   10   15

Phe Lys Asp Phe
            20

<210> 1439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1439
Glu Ala Ala Arg Arg Gln Phe Gln Ser Gln Leu Ala Asp Leu Gln Gln
1   5   10   15

Leu Pro Asp Ile
            20

<210> 1440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1440
Leu Thr Pro Gly Pro Gly Asp Tyr Phe Pro Glu Lys Ser Thr Lys Tyr
1   5   10   15

Val Phe Asp Ser
            20

<210> 1441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1441
Pro Phe Gln Trp Arg Ile Thr His Ser Phe Arg Trp Met Ala Gln Val
1   5   10   15

Leu Ala Ser Glu
            20

<210> 1442

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1442
Ser Val His Leu Ala Trp Asp Leu Ser Arg Ser Leu Gly Ala Val Val
1   5   10   15

Phe Ser Arg Val
            20

<210> 1443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1443
Glu His Gly Asp Ser Ser Ala Tyr Glu Asn Val Lys Phe Ile Val Asn
1   5   10   15

Val Arg Asp Ile
            20

<210> 1444
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1444
Gly Thr Gly Val Asn Val Tyr Leu Met Lys Arg Ser Pro Arg Gly Leu
1   5   10   15

Ser His Ser Pro
            20

<210> 1445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1445
Thr Glu Ala Asp Arg Val Ile Gln Arg Thr Asn Ser Met Gln Gln Leu
1   5   10   15

Glu Gln Trp Ile
            20

<210> 1446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1446
Lys Arg Val Asn Thr Arg Phe Phe Ala Gln Ser Gly Gly Arg Leu Gln
1   5   10   15

Asn Pro Leu Pro
            20

<210> 1447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1447
Ala Gly Pro Ile Gly Met Arg Met Ser Pro Pro Ala Trp Val Glu Leu
1   5   10   15

Lys Asp Asp Arg
            20

<210> 1448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1448
His Asp Ile Val Asn Arg Gln Lys Ser Ile Ala Gly Phe Val Ala Ser
1   5   10   15

Thr Asn Ala Glu
            20

<210> 1449
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1449
Leu Asn Lys Trp Tyr Lys Tyr Asn His Asp Leu Pro Ala Arg Ile Ile
1   5   10   15

Val Tyr Arg Ala
            20

<210> 1450
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1450
Lys Lys Leu Lys Ile Phe Ala Met Pro Met Gln Asp Ile Lys Met Ile
1   5   10   15

Leu Lys Met Val
            20

<210> 1451
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1451
Tyr Ser Glu Glu Leu Phe Pro Glu Glu Leu Ser Val Val Leu Gly Thr
1   5   10   15

Asn Asp Leu Thr
            20

<210> 1452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1452
Glu Glu Asn Ser Arg Leu Leu Gln Glu Arg Gly Val Ala Tyr Ile Asn
1   5   10   15

Ala Asp Ser Ser
            20

<210> 1453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1453

Tyr Glu Leu Ile Arg Gly Arg Arg Tyr Pro Leu Ser Glu Lys Lys Ile
1   5   10   15

Met His Tyr Met
            20

<210> 1454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1454
Arg Pro Arg Arg Ile Asn Met Thr Asp Thr Gly Ile Ser Pro Met Ser
1   5   10   15

Thr Arg Asp Pro
            20

<210> 1455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1455
Ala Ile Val Glu Ala Ala Arg Leu Glu Lys Val His Ser Leu Phe Arg
1   5   10   15

Arg Gln Leu Ala
            20

<210> 1456
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1456
Asp Ser Asp Pro Ala Leu Gln Lys Val Asn Phe Leu Pro Val Leu Glu
1   5   10   15

Gln Val Gly Asn
            20

<210> 1457
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1457
Asp Val Ile Glu Gly Lys Thr Ala Val Ile Glu Lys Arg Arg Lys Lys
1   5   10   15

Arg Ser Ser Ala
            20

<210> 1458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1458
Val Ala Phe Pro Pro Arg Ala Lys Asp Gly Leu Val Val Phe Gly Lys
1   5   10   15

Asn Ser Ala Arg
            20

<210> 1459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1459
Glu Ala Gln Asn Lys Glu Leu Lys Thr Gln Val Ala Leu Ser Ser Glu
1   5   10   15

Thr Pro Arg Thr
            20

<210> 1460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1460
Ser Ser Gly Ile Ser Phe Gln Ser Lys Tyr Leu Ser Phe Phe Ile Leu
1   5   10   15

Gly Gln Thr Val
            20

<210> 1461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1461
Met Ile Thr Gln Leu Ile Ser Leu Arg Glu Gln Leu Leu Ala Ala His
1   5   10   15

Asp Glu Gln Lys
            20

<210> 1462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1462
Asp Leu Asn Lys Val Ile Leu Leu Asp Pro Ser Ile Ile Glu Ala Lys
1   5   10   15

Met Glu Leu Glu
            20

<210> 1463
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1463
Gly Gly Ser Gly Ala Val Met Ser Glu Arg Val Ser Gly Leu Ala Gly
1   5   10   15

Ser Ile Tyr Arg
            20

<210> 1464
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1464
Phe Leu Pro Ile Thr Ser Ser Asp Ile Asp Val Val Glu Ser Glu Ala
1   5   10   15

Val Ser Val Leu

20

<210> 1465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1465
Ile Leu Ser Thr Ser Lys Gly Leu Ile Ala Gly Asn Leu Arg Tyr Ile
1 5 10 15

Glu Glu Asp Gly
20

<210> 1466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1466
Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr Lys Leu Gly Phe Lys Ala
1 5 10 15

Ile Leu Pro Ser
20

<210> 1467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1467
Gln Lys Val Gly Ser Leu Glu Pro Arg Val Glu Val Leu Ile Asn Arg
1 5 10 15

Ile Asn Glu Val
20

<210> 1468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1468
Thr Val Arg Asn Leu Ala Arg Ser Gln Ser Val Lys Met Lys Asp Lys
1 5 10 15

Leu Lys Ile Asp
            20

<210> 1469
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1469
Glu Val His Ile Val Arg Asn Gly Gly Thr Ser Met Met Val Glu Asn
1   5   10   15

Met Ala Val Arg
            20

<210> 1470
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1470
Lys Leu Val Glu Asn Ser Leu Ser Ile Ser Asn Pro Gly Leu Phe Thr
1   5   10   15

Ser Leu Gly Pro
            20

<210> 1471
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1471
Thr Leu Lys Leu Arg Leu Arg Glu Thr Gln Asp Thr Leu Gln Leu Leu
1   5   10   15

Val Met Thr Lys
            20

<210> 1472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1472
Ser Arg Glu Phe Thr Asn Ala Tyr Lys Leu Pro Leu Ala Val Gly Pro
1   5   10   15

Pro Ser Leu Asn
            20

<210> 1473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1473
Phe Arg Gln Pro Ile Phe Ser Gln Tyr Ala Ser His Gln Pro Leu Pro
1   5   10   15

Gln Ala Thr Tyr
            20

<210> 1474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1474
Pro Ser Ser Arg Ile Leu Gln Leu Ser Lys Pro Lys Ala Pro Ala Thr
1   5   10   15

Leu Leu Glu Glu
            20

<210> 1475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1475
Asp Leu Lys Ile Gln Ile Glu Met Glu Lys Lys Val Val Phe Ser Thr
1   5   10   15

Ile Ser Leu Gly
            20

<210> 1476
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1476
Lys Val Leu Lys Ser Glu Arg Asp Lys Ile Phe Leu Leu Tyr Glu Gln
1   5   10   15

Ala Gln Glu Glu
            20

<210> 1477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1477
Gly Ala Gly Glu Ala Pro Gly Ala Leu Ser Thr Ala Asp Pro Ala Asp
1   5   10   15

Gln Ser Val Gln
            20

<210> 1478
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1478
Tyr Glu Val Glu Ala Tyr Arg Arg Arg His His Asn Ser Ser Leu Asn
1   5   10   15

Phe Phe Asn Trp
            20

<210> 1479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1479
Tyr Arg Asn Gly Asp Phe Phe Ile Ser Ser Lys Asp Leu Gly Tyr Asp
1   5   10   15

Tyr Ser Tyr Leu
            20

<210> 1480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1480
Glu Arg Arg Phe Ser Arg Ser Asp Gln Leu Lys Arg His Gln Arg Arg
1   5   10   15

His Thr Gly Val
            20

<210> 1481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1481
Phe Ile Asn His Gln Ile Ile Tyr Ala Gly Glu Lys Asn His Gln Tyr
1   5   10   15

Gly Lys Ser Phe
            20

<210> 1482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1482
Leu Ala Asp Leu Ser Pro Phe Ala Phe Ser Gly Ser Asn Ala Ser Val
1   5   10   15

Ser Ala Pro Ser
            20

<210> 1483
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1483
Pro Lys Phe His Ser Glu Ser Leu Ser Ser Asn Pro Ser Ser Phe Ala
1   5   10   15

Pro Arg Val Arg
            20

<210> 1484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1484
Trp Leu Gly Ala Ser Val Val Ala His Leu Ser Thr Tyr Gln Ser Glu
1   5   10   15

Trp Met Ser Arg
            20

<210> 1485
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1485
Trp Arg Val Leu Phe Leu Leu Ser Gly Leu Gly Gly Leu Arg Met Asp
1   5   10   15

Ser Asn Phe Asp
            20

<210> 1486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1486
Val Ile Asp Asn Tyr Leu Tyr Ile Arg Tyr Glu Arg Asn Asp Ser Lys
1   5   10   15

Leu Leu Glu Asp
            20

<210> 1487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1487
Lys Gly Glu Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu

1 5 10 15

Ala Lys Arg Ser
20

<210> 1488
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1488
Gln Lys Ala Thr Asp Ile Met Asp Ala Met Leu Arg Lys Leu Tyr Asn
1 5 10 15

Val Met Phe Ala
20

<210> 1489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1489
Leu Ala Lys Asp Leu Ile Val Ser Ala Leu Lys Leu Ile Gln Tyr His
1 5 10 15

Leu Thr Gln Gln
20

<210> 1490
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1490
Val Pro His Leu Gln Lys Val Phe Asp Arg Tyr Lys Ser Tyr Ser Pro
1 5 10 15

Tyr Asp Met Leu
20

<210> 1491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1491
Tyr Asn Pro Pro Asp His Glu Val Val Thr Met Ala Arg Met Leu Gln
1   5   10   15

Asp Val Phe Glu
            20

<210> 1492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1492
Asp Gln Ala Pro Glu Val Thr Leu Gln Ala Asp Ile Glu Val Met Ser
1   5   10   15

Thr Val His Ile
            20

<210> 1493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1493
Lys Glu Ala Gln Glu Gln Glu Phe Leu Ser Leu Gln Glu Glu Phe Gln
1   5   10   15

Lys Leu Glu Lys
            20

<210> 1494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1494
Ser Gly Lys Ile Asn Arg His Glu His Tyr Phe Asn Gln Phe His Arg
1   5   10   15

Arg Asn Glu Leu
            20

<210> 1495

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1495
Glu Lys Gln Asp Tyr Lys Gln Lys Leu Lys Ala Leu Lys Ile Glu Val
1   5   10   15

Asn Lys Leu Lys
            20

<210> 1496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1496
Glu Glu Gln Glu Glu Phe Lys Gln Leu Ser Asp Gly Ile Gln Glu Leu
1   5   10   15

Gln Gln Ser Leu
            20

<210> 1497
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1497
Ala Leu Gln Lys Lys Tyr Leu Arg Met Val Val Leu Ala Val Tyr Thr
1   5   10   15

Asn Pro Glu Asp
            20

<210> 1498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1498
Leu Ser Gly Pro Ala Glu Leu Arg Ser Phe Asn Met Pro Ser Leu Asp
1   5   10   15

Lys Met Asp Gly
            20

<210> 1499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1499
Ala Glu Ala Lys Met Thr Phe Lys Ile Phe Gln Met Asn Glu Glu Arg
1   5   10   15

Leu Lys Ile Ala
            20

<210> 1500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1500
Phe Arg Gln Lys Gln Leu Leu Asn Ala His Phe Arg Lys Tyr His Asp
1   5   10   15

Ala Asn Phe Ile
            20

<210> 1501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1501
Gln Pro Phe Glu Glu Asn Glu Phe Ile Asp Ala Ser Arg Leu Val Tyr
1   5   10   15

Asp Gly Val Arg
            20

<210> 1502
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1502
Gly Asp Tyr Gly Met Ile Asp Glu Ser Ile Tyr Phe Ser Ser Asp Val
1   5   10   15

Val Thr Gly Asn
            20

<210> 1503
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1503
Ser Arg Asp Ile Leu Asn Asn Phe Pro His Ser Ile Ala Arg Gln Lys
1   5   10   15

Arg Ile Leu Val
            20

<210> 1504
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1504
Ala Ile Lys Arg Asn Asn Pro Arg Lys Phe Leu Arg Ser Val Gly Asp
1   5   10   15

Gly Glu Thr Val
            20

<210> 1505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1505
Gly Ala Val Ser Leu Asp Gly Tyr Phe His Leu Trp Lys Ala Glu Asn
1   5   10   15

Thr Leu Ser Lys
            20

<210> 1506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1506

Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu Gln Ser Leu Leu
1   5   10   15

Gln Gly Phe Ser
            20

<210> 1507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1507
Gly Ile Ser His Pro Ile Pro Leu Pro Ser Ala Ala Glu Leu Leu Val
1   5   10   15

Lys Arg Glu Asn
            20

<210> 1508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1508
Leu Val Ile Ser Arg Lys Lys Arg Met Ala Lys Tyr Glu Lys Ala Glu
1   5   10   15

Ile Lys Glu Met
            20

<210> 1509
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1509
Gly Val Pro Phe Arg Thr Val Ser Glu Trp Leu Glu Ser Ile Lys Met
1   5   10   15

Gln Gln Tyr Thr
            20

<210> 1510
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1510
Met Ser Glu Ile Arg Phe Thr Asn Leu Thr Trp Asp Gln Val Ile Thr
1   5   10   15

Leu Asp Gln Val
            20

<210> 1511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1511
Ala Val Asn Arg Arg Leu Arg Ala Leu Glu Glu Gln Gly Ala Thr Trp
1   5   10   15

Arg His Arg Glu
            20

<210> 1512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1512
Val Glu Ser Ala Val Trp Tyr Val Lys Lys Phe Gly Arg Tyr Leu Glu
1   5   10   15

His Leu Glu Val
            20

<210> 1513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1513
Lys His Asn Gln Asp Phe Ile Lys Arg Asn Ile Glu Leu Ala Lys Glu
1   5   10   15

Ser Arg Asn Pro
            20

<210> 1514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1514
Thr Ser Tyr Leu Tyr Leu Ser Met Ala Phe Tyr Phe Asn Arg Asp Asp
1   5   10   15

Val Ala Leu Glu
            20

<210> 1515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1515
Ser Lys Asp Gln Gln Lys Ile Leu Ala Ala Leu Lys Glu Leu Gln Val
1   5   10   15

Glu Glu Ile Gln
            20

<210> 1516
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1516
Gly Pro Leu Ser Val Tyr Pro Pro Ala Ser Ser Ser Ser Leu Ser Gly
1   5   10   15

Gly His Ala Ser
            20

<210> 1517
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1517
Glu Glu Leu Val Asn Gly Met Tyr Arg Ile Tyr Asp Met Glu Asn Val
1   5   10   15

Leu Leu Gly Leu

20

<210> 1518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1518
Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu Ile Gly Ala
1 5 10 15

Asn Ala Ser Phe
20

<210> 1519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1519
Thr Arg Asn Asp Trp Arg Val Ala Ser Glu Leu Ile Asn Ile Leu Glu
1 5 10 15

Arg Ala Asn Gln
20

<210> 1520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1520
Gln Leu Ser Thr Gly Gly Ser Val Ala Ser Ala Val Lys Leu Asn Lys
1 5 10 15

Gln Gln Thr Asp
20

<210> 1521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1521
Ser Asp Glu Tyr Ile Lys Phe Leu Arg Ser Ile Arg Pro Asp Asn Met
1 5 10 15

Ser Glu Tyr Ser
            20

<210> 1522
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1522
Glu Asp Tyr Ile Asp Phe Leu Gln Arg Val Ser Pro Thr Asn Met Gln
1   5   10   15

Gly Phe Thr Lys
            20

<210> 1523
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1523
Thr Glu Ser Val Ser His Phe Ser Asp Leu Gly Gln Ser Phe Ser Phe
1   5   10   15

His Ser Gly Asn
            20

<210> 1524
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1524
Leu Val Thr Ala Thr Val Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr
1   5   10   15

Asn Glu Thr Arg
            20

<210> 1525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1525
Pro Ala Arg Arg Ala Lys Arg Met Arg Ala Glu Ala Met Asn Ile Lys
1   5   10   15

Ile Glu Pro Glu
            20

<210> 1526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1526
Lys Lys Ile Arg Glu Ser Tyr Glu Asn Asp Ile Ala Ser Met Asn Leu
1   5   10   15

Gln Ala His Leu
            20

<210> 1527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1527
Lys Ser Asp Asn Glu Glu Val Arg Glu Ala Ala Ala Leu Ala Leu Ala
1   5   10   15

Asn Leu Thr Thr
            20

<210> 1528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1528
Ala Ile Gly Leu Ser Val Met Asp Leu Val Gly Ser Ile Leu Lys Asn
1   5   10   15

Leu Arg Arg Val
            20

<210> 1529
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1529
Lys Pro Pro Tyr Ser Arg Leu Asp Tyr Thr Asp Ala Lys Phe Val Asp
1   5   10   15

Val Ile His Ser
            20

<210> 1530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1530
Ile Phe Gly Lys Ala Ser Glu Ser Leu Gln Leu Val Phe Gly Ile Asp
1   5   10   15

Val Lys Glu Ala
            20

<210> 1531
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1531
Ser Ser Pro Ser Val Val Ala Ser Leu Pro Leu Asp Gln Ser Asp Glu
1   5   10   15

Gly Ser Ser Ser
            20

<210> 1532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1532
Gln Asn Trp Val Gln Glu Lys Tyr Leu Val Tyr Arg Gln Val Pro Gly
1   5   10   15

Thr Asp Pro Ala
            20

<210> 1533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1533
Gln Glu Gly Pro Ser Thr Phe Pro Asp Leu Glu Thr Ser Phe Gln Val
1   5   10   15

Ala Leu Ser Arg
            20

<210> 1534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1534
Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val Glu
1   5   10   15

Leu Val His Phe
            20

<210> 1535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1535
Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser
1   5   10   15

Ser Ser Leu Gln
            20

<210> 1536
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1536
Leu Glu His Val Val Arg Val Asn Ala Arg Val Arg Ile Ala Tyr Pro
1   5   10   15

Ser Leu Arg Glu
            20

<210> 1537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1537
Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser
1   5   10   15

Asp Ser Leu Gln
            20

<210> 1538
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1538
Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly Thr Leu Glu Glu Val
1   5   10   15

Thr Asp Ser Gly
            20

<210> 1539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1539
Glu Glu Pro Ser Ser Ser Val Asp Pro Ala Gln Leu Glu Phe Met Phe
1   5   10   15

Gln Glu Ala Leu
            20

<210> 1540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1540
Glu Thr Thr Lys Met Lys Val Leu Glu Phe Leu Ala Lys Met Asn Gly

1 5 10 15

Ala Thr Pro Arg
20

<210> 1541
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1541
Ala Glu Thr Ser Lys Met Lys Val Leu Glu Phe Leu Ala Lys Val Asn
1 5 10 15

Gly Thr Thr Pro
20

<210> 1542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1542
Leu Lys Lys Pro Gln Arg Ala Leu Ser Thr Thr Thr Ser Val Asp Val
1 5 10 15

Ser Tyr Lys Lys
20

<210> 1543
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1543
Thr Thr Ala Met Thr Ser Ala Tyr Ser Arg Ala Thr Ser Ser Ser Ser
1 5 10 15

Ser Gln Pro Met
20

<210> 1544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1544
Arg Thr Ser Gln His Leu Val Val Ala Phe Gly Val Glu Leu Lys Glu
1   5   10   15

Met Asp Ser Ser
            20

<210> 1545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1545
Pro Leu Gln Ser Pro Val Ile Ser Phe Ser Ser Ser Thr Ser Leu Ser
1   5   10   15

Pro Phe Ser Glu
            20

<210> 1546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1546
Glu Glu Glu Glu Glu Ala Ser Ser Ala Ser Ser Thr Leu Tyr Leu Val
1   5   10   15

Phe Ser Pro Ser
            20

<210> 1547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1547
Glu Arg Ser Gln Arg Ser Gln Ile Ala Asn Ile Thr Thr Val Trp Arg
1   5   10   15

Ala Gln Pro Thr
            20

<210> 1548

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1548
Val Gln Gln Ile Gln Ser Asn Tyr Asp Ile Ala Ile Ala Glu Leu His
1   5   10   15

Val Gln Lys Ser
            20

<210> 1549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1549
Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly
1   5   10   15

Ala Gly Val Pro
            20

<210> 1550
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1550
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
1   5   10   15

Leu Lys Glu Glu
            20

<210> 1551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1551
Tyr Ile Ser Glu Met Leu Leu Arg Asn Lys Ser Val Arg Tyr Leu Asp
1   5   10   15

Leu Ser Ala Asn
            20

<210> 1552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1552
Glu Glu Leu His Arg Phe Ser Asp Glu Gly Met Glu Val Ile Glu Arg
1   5   10   15

Leu Ile Tyr Leu
            20

<210> 1553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1553
Val Thr Ile Pro Tyr Gly Ile Lys Tyr Asp Lys Ala Trp Leu Met Asn
1   5   10   15

Ser Ile Gln Ser
            20

<210> 1554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1554
Glu Ser Leu Asp Gln Lys Leu Phe Gln Leu Gln Ser Lys Asn Met Trp
1   5   10   15

Leu Gln Gln Gln
            20

<210> 1555
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1555
Tyr Trp Arg Thr Ser Ser Phe Arg Met Thr Glu His Asn Ser Val Lys
1   5   10   15

Pro Trp Gln Gln
            20

<210> 1556
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1556
Glu Leu Ser Lys Ser Met Glu Ser Met Arg Gly His Leu Gln Ala Gln
1   5   10   15

Leu Arg Ser Lys
            20

<210> 1557
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1557
Pro Ile Asn Ile Trp Ile Phe Glu Leu Glu Arg Asn Val Ser Ile Pro
1   5   10   15

Ile Gly Trp Ser
            20

<210> 1558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1558
Gly Gly Thr Glu Arg Ala Ile Asp Gln Ala Ser Phe Thr Thr Ser Met
1   5   10   15

Glu Trp Asp Thr
            20

<210> 1559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1559

Gly Pro Pro Asp Pro Gln Ala Phe Gln Gly Pro Ala Ala Tyr Gln Pro
1   5   10   15

Asp Gln Met Arg
            20

<210> 1560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1560
Pro Ile Asn Met Glu Glu Leu Asp Glu Ser Tyr Gln Lys Val Ile Glu
1   5   10   15

Leu Phe Ser Val
            20

<210> 1561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1561
Tyr Ser Pro Gln Arg Thr Tyr Arg Ser Glu Val Ser Ser Pro Ile Gln
1   5   10   15

Arg Gly Asp Val
            20

<210> 1562
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1562
Ala Pro Leu Ile Ser Val Lys Pro Leu Asp Asn Trp Leu Leu Ile Tyr
1   5   10   15

Thr Arg Arg Asn
            20

<210> 1563
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1563
Asp Ile Pro Leu Lys Gln Leu Met Val Ile Gly Met Asp Val Tyr His
1   5   10   15

Asp Pro Ser Arg
            20

<210> 1564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1564
Lys Arg Ile Asn Thr Arg Phe Phe Leu Lys His Gly Ser Asn Phe Gln
1   5   10   15

Asn Pro Pro Pro
            20

<210> 1565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1565
Asp Tyr Pro Lys Ile Ile Lys Val Gln Glu Asn Pro Ala Ala Phe Val
1   5   10   15

Arg Ala Ile Gln
            20

<210> 1566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1566
Asp Val Met His Leu Ser Gln Ser Pro Ser Val Ser Gln Leu Ser Val
1   5   10   15

Leu Ser Leu Ser
            20

<210> 1567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1567
Phe Lys Arg Ala Asn Met Asp Asn Asp Ile Ala Leu Leu Leu Leu Ala
1   5   10   15

Ser Pro Ile Lys
            20

<210> 1568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1568
Pro Arg Arg Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu Phe Gly
1   5   10   15

Leu Leu Gly Ser
            20

<210> 1569
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1569
Ile Gly Glu Gly Thr Phe Ser Glu Val Met Lys Met Gln Ser Leu Arg
1   5   10   15

Asp Gly Asn Tyr
            20

<210> 1570
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1570
Arg Lys Gln Asp Asn Val Leu Ser Asn Val Leu Ser Gly Leu Ile Asn
1   5   10   15

Met Ala Gly Ala

20

<210> 1571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1571
Pro Ile Pro Glu Ser Val Ile Gln Asn Tyr Asn Lys Ala Leu Gln Gln
1 5 10 15

Leu Glu Lys Tyr
20

<210> 1572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1572
Phe Val Pro Pro Arg Ser Ser Ser Ser Gln Val Ser Ala Val Lys Pro
1 5 10 15

Gln Thr Leu Gly
20

<210> 1573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1573
Arg Lys Arg Leu Glu Met Tyr Thr Lys Ala Ser Leu Lys Thr Ser Asn
1 5 10 15

Gln Lys Ile Glu
20

<210> 1574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1574
Arg Pro Arg Asp Glu Val Gln Glu Val Val Tyr Phe Ser Ala Ala Asp
1 5 10 15

His Glu Pro Glu
            20

<210> 1575
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1575
Asn Leu Val Gln Arg Met Glu Lys Glu Lys Arg Thr Leu Leu Glu Arg
1   5   10   15

Lys Leu Ser Leu
            20

<210> 1576
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1576
Ile Arg Phe Gly Gly Phe Arg Lys Arg Lys Lys Ala Lys Ser Ser Val
1   5   10   15

Ser Lys Lys Pro
            20

<210> 1577
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1577
Gln Ala Phe Pro Asp Met His Asn Ser Asn Ile Ser Lys Ile Leu Gly
1   5   10   15

Ser Arg Trp Lys
            20

<210> 1578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1578
Glu Lys His Leu Gln Ala Leu Ala Pro Glu Ser Arg Ala Leu Arg Lys
1   5   10   15

Asp Lys Pro Ala
            20

<210> 1579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1579
Gly Leu Ala Gly Ser Ile Tyr Arg Glu Phe Glu Arg Leu Ile Gly Arg
1   5   10   15

Tyr Asp Glu Glu
            20

<210> 1580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1580
Ile Gln Asp Ile Ile Thr Ser Leu Ala Arg Asn Glu Ala Pro Ala Phe
1   5   10   15

Thr Ile Asp Asn
            20

<210> 1581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1581
Lys Gly Glu Arg Pro Gly Ala Ala His Gln Ala Gly Pro Asp Val Leu
1   5   10   15

Ile Gly Gln Glu
            20

<210> 1582
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1582
Val Ile Glu Ser Leu Arg Thr Leu Asp Lys Lys Thr Phe Tyr Lys Thr
1   5   10   15

Ala Asp Ile Ser
            20

<210> 1583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1583
Pro Gly Asn Ile Ser Trp Thr Phe Ser Ser Ser Ser Leu Ser Ile Lys
1   5   10   15

Trp Asp Pro Val
            20

<210> 1584
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1584
Ser Leu Ser Ile Ser Asn Pro Gly Leu Phe Thr Ser Leu Gly Pro Pro
1   5   10   15

Leu Arg Ser Thr
            20

<210> 1585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1585
Gln Phe Thr Asp Thr Asn Leu Ala Phe Asn Ala Arg Ile Ser Glu Val
1   5   10   15

Thr Asp Val Lys
            20

<210> 1586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1586
Lys Ile Leu Lys Lys Gly Ile Tyr Val Asp Ala Val Asn Ser Leu Gly
1   5   10   15

Gln Thr Ala Leu
            20

<210> 1587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1587
Ser Asn Ala Ala Ile Gln Ile Ala Ser Ala Thr Met Pro Ala Leu Ser
1   5   10   15

Leu Asn Asn Asp
            20

<210> 1588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1588
Ser Arg Arg Val Glu Glu Leu Ser Arg Pro Lys Arg Phe Tyr Leu Glu
1   5   10   15

Tyr Tyr Asn Asn
            20

<210> 1589
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1589
Ser Ser Gly Arg Gln Ser Phe Tyr Arg Asn Pro Ile Lys Glu Val Val
1   5   10   15

Arg Phe Leu Asp
            20

<210> 1590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1590
Thr Glu Arg Asp Val Ala Phe Thr Asp Leu Arg Arg Met Thr Thr Glu
1   5   10   15

Arg Asp Ser Leu
            20

<210> 1591
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1591
Phe Trp Ser Trp Val Gly Gln Ala Asn Asp Ile Gly Leu Leu Lys Leu
1   5   10   15

Lys Gln Glu Leu
            20

<210> 1592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1592
Lys Val Ile Thr Lys Glu Tyr Leu Val Asn Ile Thr Glu Tyr Arg Ala
1   5   10   15

Ser His Ser Thr
            20

<210> 1593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1593
Ala Ser Pro Leu Thr Gly Ile Ala Asp Ala Ser Gln Ser Ser Met His

1 5 10 15

Asn Ala Leu His
20

<210> 1594
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1594
Ala Gln Phe Pro Asn His Ser Phe Lys His Glu Asp Pro Met Gly Gln
1 5 10 15

Gln Gly Ser Leu
20

<210> 1595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1595
Asp Gln Ser Phe Lys Trp Asn Ser Asp Phe Ile Asn His Gln Ile Ile
1 5 10 15

Tyr Ala Gly Glu
20

<210> 1596
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1596
Gly Tyr His Tyr Arg Tyr Glu Ile Asn Ala Asp Pro Arg Leu Thr Asn
1 5 10 15

Leu Ser Ser Asn
20

<210> 1597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1597
Ser Gly Trp Leu Gln Thr Glu Phe Leu Ser Phe Gln Asp Gly Asp Phe
1   5   10   15

Pro Thr Lys Ile
            20

<210> 1598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1598
Gly Ser Arg Val Glu Leu Thr Pro Met Gln Arg Val Ala Pro Glu Met
1   5   10   15

Phe Phe Ser Pro
            20

<210> 1599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1599
Val Asn Leu Met Gln Lys Asn Phe Leu Pro His Asn Phe Arg Val Tyr
1   5   10   15

Ser Tyr Ser Gly
            20

<210> 1600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1600
Phe Gln Gly Ile Leu Gln Ile Asn Asp Phe Ala Tyr Glu Ile Lys Pro
1   5   10   15

Leu Ala Phe Ser
            20

<210> 1601

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1601
Leu Ile Phe Leu Leu Asn Phe Thr Glu Ser Arg Thr Leu His Arg Asn
1   5   10   15

Glu Tyr Gly Ile
            20

<210> 1602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1602
Pro Pro Ser Lys Lys Ser Phe Phe Tyr Lys Glu Val Phe Glu Ser Arg
1   5   10   15

Asn Gly Asp Tyr
            20

<210> 1603
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1603
Ser Ser Gly Lys Pro Ile Pro Ala Ser Val Val Leu Lys Arg Val Leu
1   5   10   15

Leu Arg His Thr
            20

<210> 1604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1604
Val Asn Ile Leu Thr Asn Arg Ser Asn Ala Gln Arg Gln Asp Ile Ala
1   5   10   15

Phe Ala Tyr Gln
            20

<210> 1605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1605
Pro Asp Ser Gln Gln Gln Tyr Asn Val Val Lys Thr Val Lys Val Thr
1   5   10   15

Glu Gln Leu Arg
            20

<210> 1606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1606
Lys Thr Thr Ser Gly Met Ser Lys Lys Ser Val Glu Ser Val Lys Leu
1   5   10   15

Ala Gln Leu Glu
            20

<210> 1607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1607
Ser Asn Leu Tyr Leu Glu Lys Arg Val Lys Glu Leu Gln Met Lys Ile
1   5   10   15

Thr Lys Gln Gln
            20

<210> 1608
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1608
Lys Met Lys Asn Thr Asp Tyr Leu Thr Gln Tyr Asp Leu Ser Glu Phe
1   5   10   15

Glu Asn Ile Gly
            20

<210> 1609
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1609
Ala Pro Gly His Met Ser Asp Val Glu Trp Met Ser Ile Phe Lys Pro
1   5   10   15

Ser Lys Met Gln
            20

<210> 1610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1610
Arg Tyr Asn Val Ala Glu Ile Val Ile His Ile Arg Asn Lys Ile Leu
1   5   10   15

Thr Gly Ala Asp
            20

<210> 1611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1611
Lys Thr Arg Ser Gly Lys Val Phe Gln Asn Lys Met Ala Asn Gly Asn
1   5   10   15

Gln Pro Val Lys
            20

<210> 1612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1612

Ser Glu Thr Arg Ala Ser Leu Tyr Pro Pro Thr Leu Leu Glu Gly Pro
1   5   10   15

Leu Arg Leu Ser
            20

<210> 1613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1613
Ser Glu Thr Arg Ala Phe Leu Ser Pro Pro Thr Leu Leu Glu Gly Pro
1   5   10   15

Leu Arg Leu Ser
            20

<210> 1614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1614
Gln Leu Leu Ala Glu Arg Thr Lys Glu Gln Leu Phe Phe Val Glu Thr
1   5   10   15

Met Ser Gly Asp
            20

<210> 1615
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1615
Gly Ala Ile Arg Gly Arg Ala Ala Arg Val Ile His Ile Ile Asn Ala
1   5   10   15

Glu Met Glu Asn
            20

<210> 1616
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1616
Gly Leu Ile Asn Ser Asn Thr Asp Asn Asn Leu Ala Val Tyr Asp Leu
1   5   10   15

Ser Arg Asp Ile
            20

<210> 1617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1617
Leu His Lys Arg Lys Arg Leu Pro Pro Val Lys Arg Ser Leu Val Tyr
1   5   10   15

Tyr Leu Lys Asn
            20

<210> 1618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1618
Leu Phe Ser Ala Pro Met Asp Phe Arg Gly Leu Pro Gly Asn Tyr His
1   5   10   15

Lys Glu Glu Asn
            20

<210> 1619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1619
Val Glu Asn Thr Pro Asp Leu Val Ser Asp Ser Thr Tyr Tyr Ser Ser
1   5   10   15

Phe Tyr Gln Pro
            20

<210> 1620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1620
Tyr Gln Leu Asp Pro Lys Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn
1   5   10   15

Val Ile Thr Ile
            20

<210> 1621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1621
Ala Gly Met Lys Tyr Leu Ala Asn Met Asn Tyr Val His Arg Asp Leu
1   5   10   15

Ala Ala Arg Asn
            20

<210> 1622
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1622
Trp Ser Leu Ile Ser Leu Ser Asn Asn Thr Gly Lys Asn Leu Glu Leu
1   5   10   15

Lys Phe Val Ser
            20

<210> 1623
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1623
Lys Ala Ala Gly Ser Ala Ser Ala Lys Arg Val Trp Asn Met Thr Ala
1   5   10   15

Thr Arg Pro Lys

20

<210> 1624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1624
Phe Tyr Phe Lys Ile Trp Ala Phe Leu Asp Val Ser Phe Val Glu Arg
1 5 10 15

Ile Leu Lys Ser
20

<210> 1625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1625
Ser Lys Thr Leu Gly Ile Gly Arg Leu Lys Arg Pro Ser Phe Leu Asp
1 5 10 15

Asp Pro Leu Tyr
20

<210> 1626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1626
Glu His Met Thr Asp Leu Leu Lys Glu Arg Asp Ile Thr Leu Arg His
1 5 10 15

Leu Leu Thr Met
20

<210> 1627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1627
Tyr Gly Asn Ser Val Arg Ala Thr Val Gln Arg Tyr Pro Pro Thr His
1 5 10 15

His Gly Ser Gln
            20

<210> 1628
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1628
Ser Leu Gln Val Thr Arg Ile Phe Leu Gln Ala Leu Asn Leu Gly Ile
1   5   10   15

Glu Val Ile Asn
            20

<210> 1629
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1629
Val Leu Pro Asp Gly Gln Val Ile Trp Val Asn Asn Thr Ile Ile Asn
1   5   10   15

Gly Ser Gln Val
            20

<210> 1630
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1630
Ala Leu Lys Ser His Phe Val Gly Ala Val Ile Gly Arg Gly Gly Ser
1   5   10   15

Lys Ile Lys Asn
            20

<210> 1631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1631
Ser Asp Asp Tyr Ile Lys Phe Leu Arg Ser Ile Arg Pro Asp Asn Met
1   5   10   15

Ser Glu Tyr Ser
            20

<210> 1632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1632
Gln Leu Ser Thr Gly Gly Ser Val Ala Gly Ala Val Lys Leu Asn Arg
1   5   10   15

Gln Gln Thr Asp
            20

<210> 1633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1633
Asn His Ala Pro Ser Val Gln Ile His Asp Val Pro Ala Asp Leu Leu
1   5   10   15

Thr Tyr Asp Arg
            20

<210> 1634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1634
Gln Pro Glu Gln Val Ile Leu Tyr Gln Gly Gly Gln Met Phe Asp Gly
1   5   10   15

Ala Pro Arg Phe
            20

<210> 1635
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1635
Gln His Arg Ala Gln Gln Leu Leu Ser Ser Gly Asn Leu Lys Phe Val
1   5   10   15

Gln Asp Arg Val
            20

<210> 1636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1636
Leu Glu Asn Phe Thr Leu Lys Val Ala Tyr Ile Pro Asp Glu Met Ala
1   5   10   15

Ala Gln Gln Asn
            20

<210> 1637
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1637
Ala Ala Glu Ala Asp Gly Ile Asp Pro Leu Ile Asn Leu Leu Ser Ser
1   5   10   15

Lys Arg Asp Gly
            20

<210> 1638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1638
Leu Lys Asp Leu Ala Asp Glu Leu Ala Leu Val Asp Val Ala Leu Asp
1   5   10   15

Lys Leu Lys Gly
            20

<210> 1639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1639
Asp Met Asn Val Ile Val Val Asp Trp Ser Arg Gly Ala Thr Thr Phe
1   5   10   15

Ile Tyr Asn Arg
            20

<210> 1640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1640
Gly Glu Pro Arg Lys Leu Leu Thr Gln Asp Leu Val Gln Glu Lys Tyr
1   5   10   15

Leu Glu Tyr Arg
            20

<210> 1641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1641
Gln Ser Glu Thr Gln Gly Leu Glu Gly Ala Gln Ala Pro Leu Ala Val
1   5   10   15

Glu Glu Asp Ala
            20

<210> 1642
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1642
Leu Leu Leu Arg Lys Tyr Arg Val Lys Gly Leu Ile Thr Lys Ala Glu
1   5   10   15

Met Leu Gly Ser
            20

<210> 1643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1643
Thr Lys Ala Glu Met Leu Gly Ser Val Ile Arg Asn Phe Gln Asp Phe
1   5   10   15

Phe Pro Val Ile
            20

<210> 1644
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1644
Lys Pro Glu Glu Gly Leu Glu Ala Arg Gly Glu Ala Leu Gly Leu Val
1   5   10   15

Gly Ala Gln Ala
            20

<210> 1645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1645
Glu Glu Gly Pro Ser Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala
1   5   10   15

Ala Leu Ser Arg
            20

<210> 1646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1646
Glu Glu Gly Val Glu Ala Gln Glu Glu Ala Leu Gly Leu Val Gly Ala

1 5 10 15

Gln Ala Pro Thr
20

<210> 1647
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1647
Pro Ala His Leu Glu Ser Leu Phe Arg Glu Ala Leu Asp Glu Lys Val
1 5 10 15

Ala Glu Leu Val
20

<210> 1648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1648
Lys Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn
1 5 10 15

Tyr Lys Arg Tyr
20

<210> 1649
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1649
Gly Glu Pro Arg Lys Phe Ile Thr Gln Asp Leu Val Gln Glu Lys Tyr
1 5 10 15

Leu Lys Tyr Glu
20

<210> 1650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1650
Gly Glu Pro Trp Lys Leu Ile Thr Lys Asp Leu Val Gln Glu Lys Tyr
1   5   10   15

Leu Glu Tyr Lys
            20

<210> 1651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1651
Gln Ser Arg Thr Asp Pro Leu Ile Met Lys Thr Asn Met Leu Val Gln
1   5   10   15

Phe Leu Met Glu
            20

<210> 1652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1652
Ala Arg Glu Glu Glu Ile Trp Glu Phe Leu Asn Met Leu Gly Ile Tyr
1   5   10   15

Asp Gly Lys Arg
            20

<210> 1653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1653
Thr Lys Met Arg Val Leu Arg Val Leu Ala Asp Ser Ser Asn Thr Ser
1   5   10   15

Pro Gly Leu Tyr
            20

<210> 1654

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1654
Ser Thr Phe Glu Gly Phe Ala Gln Ser Ser Leu Gln Ile Pro Val Ser
1   5   10   15

Pro Ser Phe Ser
            20

<210> 1655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1655
Ser Glu Glu Val Ile Trp Glu Val Leu Asn Ala Val Gly Val Tyr Ala
1   5   10   15

Gly Arg Glu His
            20

<210> 1656
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1656
Lys Leu Arg Glu Ile Leu Leu Tyr Phe Phe Pro Glu His Gln Leu Pro
1   5   10   15

Ser Glu Leu Glu
            20

<210> 1657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1657
Gln Gln His Val Pro Phe Arg Glu Ser Lys Leu Thr His Tyr Phe Gln
1   5   10   15

Ser Phe Phe Asn
            20

<210> 1658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1658
Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn
1   5   10   15

Leu Thr Ile Ser
            20

<210> 1659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1659
Thr Thr Leu Leu Met Lys Leu Met Met Ala Trp Ser Asp Asn Lys Ile
1   5   10   15

Phe Arg Asp Arg
            20

<210> 1660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1660
Leu Thr Val Tyr Ser Lys Gln Ile Phe Gly Glu Leu Ala Asp Val Thr
1   5   10   15

Ala Lys Tyr Ser
            20

<210> 1661
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1661
Met Ala Ala Thr Leu Lys Ile Ile Glu Arg Asn Phe Pro Glu Leu Leu
1   5   10   15

Ser Leu Asn Leu
            20

<210> 1662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1662
Gly Phe His His Ile His Glu Gln Ile Met Glu Tyr Ile Arg Lys Leu
1   5   10   15

Ser Lys Asn His
            20

<210> 1663
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1663
Asp Asp Asn Leu Lys Pro Trp Leu Leu Glu Val Asn Tyr Ser Pro Ala
1   5   10   15

Leu Thr Leu Asp
            20

<210> 1664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1664
Glu Leu Glu Arg Lys Leu Glu Ala Thr Ser Ala Gln Asn Ile Glu Phe
1   5   10   15

Leu Gln Val Ile
            20

<210> 1665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1665

Asn Arg Ser Leu Gly Gln Arg Gln Asn Ser Pro Leu Pro Phe Gln Trp
1   5   10   15

Arg Ile Thr His
            20

<210> 1666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1666
Pro Ser Ser Pro Val Ala Tyr Asp Ile Ile Ser Gln Glu Leu Glu Leu
1   5   10   15

Met Lys Lys Leu
            20

<210> 1667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1667
Asn Asp Leu Ile Glu Glu Arg Tyr Lys Ala Ser Gln Asp Pro Phe Pro
1   5   10   15

Ala Ala Ile Ile
            20

<210> 1668
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1668
Ile Pro Thr Ser Pro Ser His Gly Ser Ile Ala Ala Tyr Gln Gly Tyr
1   5   10   15

Ser Pro Gln Arg
            20

<210> 1669
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1669
Lys Val Leu Arg Ser Glu Thr Val Leu Asp Phe Met Phe Asn Phe Tyr
1   5   10   15

His Gln Thr Glu
            20

<210> 1670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1670
Ser Gln Val Val Asn Val Arg Thr Ile Gly Gln Pro Thr Arg Leu Arg
1   5   10   15

Ser Val Ala Gln
            20

<210> 1671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1671
Leu Leu Ala Asn His Phe Arg Val Ile Ser Arg Pro Gln Trp Val Ala
1   5   10   15

Tyr Lys Tyr Asn
            20

<210> 1672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1672
Gln Tyr Asp Ile Thr Val Ser Asp Leu Asn Gln Pro Met Leu Val Ser
1   5   10   15

Leu Leu Lys Lys
            20

<210> 1673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1673
Arg Arg Leu Trp Gly Ser Ile Gln Ser Arg Tyr Ile Ser Met Ser Val
1   5   10   15

Trp Thr Ser Pro
            20

<210> 1674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1674
Val Thr Gln Leu Glu Gly Arg Pro Phe Asn Ala Glu Lys Arg Arg Thr
1   5   10   15

Ser Val Lys Gln
            20

<210> 1675
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1675
Arg Leu Gln Asp Phe Asp Lys Ser Asn Pro Ile Val Leu Arg Met Met
1   5   10   15

Asn Asp Gln Leu
            20

<210> 1676
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1676
Lys Leu Lys Leu Ser Gly Val Val Arg Leu Ser Ser Tyr Ser Ser Pro
1   5   10   15

Thr Leu Gln Ser

20

<210> 1677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1677
Asn Asn Gln Pro Gln Pro Ser Tyr Asp Leu Ser Thr Val Leu Pro Gly
1 5 10 15

Leu Thr Tyr Leu
20

<210> 1678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1678
Phe Arg Tyr Ser Thr Ser Leu Glu Lys His Lys Leu Phe Ile Ser Gly
1 5 10 15

Leu Pro Phe Ser
20

<210> 1679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1679
Met Glu Lys Gln Lys Pro Phe Ala Leu Phe Val Pro Pro Arg Ser Ser
1 5 10 15

Ser Ser Gln Val
20

<210> 1680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1680
Leu Gln Gln Ser Arg Ile Val Gln Ser Gln Arg Leu Lys Thr Ile Lys
1 5 10 15

Gln Leu Tyr Glu
            20

<210> 1681
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1681
Thr Gly Glu Gly Glu Phe Asn Phe Ser Glu Val Phe Ser Pro Val Glu
1   5   10   15

Asp His Leu Asp
            20

<210> 1682
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1682
Lys Gln Glu Asp Ser Lys Gln Leu Leu Gln Val Asn Lys Leu Glu Lys
1   5   10   15

Glu Gln Lys Leu
            20

<210> 1683
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1683
Leu Leu Pro Glu Ala Leu Ile Arg Phe Gly Gly Phe Arg Lys Arg Lys
1   5   10   15

Lys Ala Lys Ser
            20

<210> 1684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1684
Ala Ala Ala Ser Gly Leu Ser Pro Leu Gln Leu Gln Lys Gly His Val
1   5   10   15

Ser His Pro Gln
            20

<210> 1685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1685
Leu Lys Asn Asn Leu Ile Glu Lys Asp Pro Ser Leu Val Tyr Gln His
1   5   10   15

Leu Leu Tyr Leu
            20

<210> 1686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1686
Gly Gln Gly Glu Asn Lys Met Lys Asn Leu Pro Val Pro Val Tyr Leu
1   5   10   15

Arg Pro Leu Asp
            20

<210> 1687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1687
Met Leu Lys Val Ser Arg Arg Ser Leu His Ile Leu Ser Thr Ser Lys
1   5   10   15

Gly Leu Ile Ala
            20

<210> 1688
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1688
Gly Gln Asp Thr Ser Ser Gln Lys Ile Glu Asp Leu Met Glu Met Val
1   5   10   15

Gln Lys Leu Gln
            20

<210> 1689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1689
Val Trp Lys His Gly Ile Thr Pro Pro Leu Lys Asn Val Arg Lys Lys
1   5   10   15

Arg Phe Arg Lys
            20

<210> 1690
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1690
Asn Pro Val Gly Thr Val Val Ser Arg Glu Ala Ile Leu Arg Phe Gly
1   5   10   15

Phe Leu Gln Glu
            20

<210> 1691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1691
Lys Val Leu Leu Asp Ala Gly Phe Ala Val Gly Glu Gln Ser Met Val
1   5   10   15

Thr Asp Lys Pro
            20

<210> 1692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1692
Gln Glu Gln Met Arg Lys Leu Ala Gln Arg Ile Asp Ile Gln Met Arg
1   5   10   15

Asp Asn Arg Asp
            20

<210> 1693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1693
Gln Ala Lys Ala Thr Gln Phe Asn Ser Ala Leu Phe Thr Leu Ser Ser
1   5   10   15

His Arg Gln Gly
            20

<210> 1694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1694
Pro Gln Ala Lys Glu Met Phe Ile Asp Thr Val Ile Ser Ser Tyr Asn
1   5   10   15

Ile Glu Thr Ala
            20

<210> 1695
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1695
Asn Glu Gly Tyr Asp Arg Arg Pro Leu Ala Ser Met Ser Leu Pro Pro
1   5   10   15

Pro Lys Ala Ser
20

<210> 1696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1696
Arg Gln Gln Tyr Phe Ser Asp Leu Phe Asn Ile Leu Asp Thr Ala Ile
1 5 10 15

Ile Val Ile Leu
20

<210> 1697
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1697
Lys Ser Pro Lys Ser Thr Thr Ala His Ala Ile Leu Arg Arg Val Glu
1 5 10 15

Thr Glu Arg Asp
20

<210> 1698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1698
Leu Ser Lys Ala Asp Gly Met Trp Pro Gln Phe Arg Thr Ile Gln Glu
1 5 10 15

Lys Glu Val Ile
20

<210> 1699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1699
Ala Ser Ala Lys Glu Gly Thr Ala Phe Arg Met Glu Ala Val Gln Glu

1 5 10 15

Gly Ala Ala Gly
20

<210> 1700
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1700
Phe Val Asp Ser Ile Phe Glu Gln Trp Leu Arg Arg His Arg Pro Leu
1 5 10 15

Gln Glu Val Tyr
20

<210> 1701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1701
Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly Ala
1 5 10 15

Glu Pro His Glu
20

<210> 1702
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1702
Ser Gln Ser Ser Asn Leu Ser Gln His Gln Arg Ile His Met Arg Glu
1 5 10 15

Asn Leu Leu Met
20

<210> 1703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1703
Thr His Leu Glu Ser Leu His Leu Glu Asp Asn Ala Leu Lys Val Leu
1   5   10   15

His Asn Gly Thr
            20

<210> 1704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1704
Ser Pro Ile Ser Pro His Phe Thr Val Thr Glu Arg Gln Thr Phe Gln
1   5   10   15

Pro Trp Pro Glu
            20

<210> 1705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1705
Gly Phe Thr Lys Arg Leu Phe Arg Glu Leu Met Gly Asp His Val Ser
1   5   10   15

Ser Thr Lys Ala
            20

<210> 1706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1706
Asp Phe Ala Lys Tyr Ile Glu Met His Val Ile Val Glu Lys Gln Leu
1   5   10   15

Tyr Asn His Met
            20

<210> 1707

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1707
Glu Asp Leu Tyr Val Ile Val Asn Ile Val Asp Ser Ile Leu Asp Val
1   5   10   15

Ile Gly Val Lys
            20

<210> 1708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1708
Lys Ala Pro Gln Leu Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys
1   5   10   15

Met Ala Ala Thr
            20

<210> 1709
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1709
Glu Arg Gln Leu Asn Glu Ala Val Gly Asn Val Thr Pro Leu Gln Leu
1   5   10   15

Leu Asp Trp Leu
            20

<210> 1710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1710
Gln Trp Lys Gln Asn Ala Thr Asp Ile Met Glu Ala Met Leu Lys Arg
1   5   10   15

Leu Val Ser Ala
            20

<210> 1711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1711
Lys Ile Arg Ser Glu Phe Lys Arg Lys Tyr Gly Lys Ser Leu Tyr Tyr
1   5   10   15

Tyr Ile Gln Gln
            20

<210> 1712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1712
Lys Asn Gly Arg Leu Thr Asn Gln Leu Gln Tyr Leu Gln Lys Val Val
1   5   10   15

Leu Lys Asp Leu
            20

<210> 1713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1713
Leu Ser Gly Glu Ala Ala Glu Ala Val His Ser Gly Thr Ser Val Lys
1   5   10   15

Ser Ser Ser Gly
            20

<210> 1714
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1714
Ser Asp Thr Met Asn Val Ser Asn Leu Ser Gln Gly Val Met Leu Ser
1   5   10   15

His Ser Pro Ile
            20

<210> 1715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1715
Gly Phe Asp Ile Lys Lys Val His Val Ile Leu His Phe Lys Asn Lys
1   5   10   15

Tyr His Glu Asn
            20

<210> 1716
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1716
Ser Asp Leu Gln Phe Leu Asn Phe Asn Val Glu Asn Ser Gln Glu Leu
1   5   10   15

Ile Gln Met Tyr
            20

<210> 1717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1717
Thr Tyr Met Glu Phe Leu Trp Gln Tyr Lys Ser Ser Ala Asp Lys Met
1   5   10   15

Gln Gln Leu Asn
            20

<210> 1718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1718

Thr Ile Leu Ser Pro Lys Gln Ile Lys Thr Pro Phe Gln Lys Ile Leu
1 5 10 15

Arg Asp Lys Asp
20

<210> 1719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1719
Gln Gln Lys Leu Lys Val Met Thr Glu Leu Tyr Gln Glu Asn Glu Met
1 5 10 15

Lys Leu Tyr Arg
20

<210> 1720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1720
Ser Glu Gln Asp Glu Leu Met Ala Asp Ile Ser Lys Arg Ile Gln Ser
1 5 10 15

Leu Glu Asp Glu
20

<210> 1721
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1721
Met Ser Leu Leu Ser Ile Gln Gln Gln Glu Gly Val Gln Val Val Val
1 5 10 15

Gln Gln Pro Gly
20

<210> 1722
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1722
Gly Pro Leu Lys Asn Thr Ser Asp Val Ile Asn Ala Ala Lys Lys Ile
1   5   10   15

Ala Glu Ala Gly
            20

<210> 1723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1723
His Ala Ile Glu Leu Asn Pro Ser Arg Thr Leu Leu Ala Thr Gly Gly
1   5   10   15

Asp Asn Pro Asn
            20

<210> 1724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1724
Thr Leu Ser Ser His Leu Gln Ile Asp Lys Met Thr Asp Asn Lys Thr
1   5   10   15

Gly Glu Val Leu
            20

<210> 1725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1725
Val Lys Asn Ser Leu Arg Gly Leu Pro Gly Pro Tyr Val Pro Gly Gln
1   5   10   15

Thr Gly Asn Gln
            20

<210> 1726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1726
Asp Val Asp Ile Ala Asp Val Ala Tyr Tyr Phe Glu Lys Asp Val Lys
1   5   10   15

Gly Glu Ser Leu
            20

<210> 1727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1727
Glu Arg Ser Val Gly Pro Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe
1   5   10   15

Gln Asp Ile Gly
            20

<210> 1728
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1728
Lys Glu Lys Leu Ser Pro Asp Ile Met Lys Asp Ala Tyr Val Gln Lys
1   5   10   15

Leu Val Lys Val
            20

<210> 1729
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1729
Phe Asn Val Leu Glu Met Glu Val Met Arg Arg Gln Leu Tyr Ala Val
1   5   10   15

Asn Arg Arg Leu

20

<210> 1730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1730
Lys Phe Met Asn Pro Tyr Asn Ala Val Leu Thr Lys Lys Phe Gln Val
1 5 10 15

Thr Met Arg Gly
20

<210> 1731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1731
Asp Ile Glu Asp Val Thr Pro Val Phe Pro Gln Leu Ser Arg Ser Ile
1 5 10 15

Ile Ser Lys Leu
20

<210> 1732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1732
Leu Arg Glu Glu Val Ser Thr Trp Asn Ser Arg Ile Leu Lys Arg Thr
1 5 10 15

Ala Ile Thr Ile
20

<210> 1733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1733
Gly Ser His His Thr Ala Ser Pro Trp Asn Leu Ser Pro Phe Ser Lys
1 5 10 15

Thr Ser Ile His
            20

<210> 1734
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1734
Lys Val Lys Asn Gln Leu Arg Phe Leu Ala Glu Leu Ala Tyr Asp Leu
1   5   10   15

Asp Val Asp Asp
            20

<210> 1735
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1735
Pro Asp Ala Ser Ser Ile Met Ser Thr Glu Ser Ile Thr Gly Ser Leu
1   5   10   15

Gly Pro Leu Leu
            20

<210> 1736
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1736
His Asp Val Thr His Val Tyr Asn Phe Asp Phe Pro Arg Asn Ile Glu
1   5   10   15

Glu Tyr Val His
            20

<210> 1737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1737
Asn Leu Leu Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr Arg
1   5   10   15

Pro His Lys Ala
            20

<210> 1738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1738
Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr Arg Pro His Lys
1   5   10   15

Ala Thr Ala Glu
            20

<210> 1739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1739
Phe Glu Tyr Phe Ala Pro Asp Phe Thr Leu His Pro Asp Val Ser Thr
1   5   10   15

Arg Ile Glu Asn
            20

<210> 1740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1740
Pro Ala Thr Asn Val Ser Ile Phe Ile Asn Asn Thr Gln Leu Ser Asp
1   5   10   15

Thr Gly Thr Tyr
            20

<210> 1741
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1741
Gln Asp Leu Leu Asp Val Ser Phe Glu Phe Asp Val Glu Leu Pro Gln
1   5   10   15

Leu Ala Glu Met
            20

<210> 1742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1742
Arg Val Pro Ser Phe Ala Ala Gly Arg Val Ile Gly Lys Gly Gly Lys
1   5   10   15

Thr Val Asn Glu
            20

<210> 1743
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1743
Ser Ser Lys Arg Asp Gly Ala Ile Ala Asn Ala Ala Thr Val Leu Thr
1   5   10   15

Asn Met Ala Met
            20

<210> 1744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1744
Arg Arg Val His Pro Val Ser Thr Met Val Lys Gly Leu Tyr Gly Ile
1   5   10   15

Lys Glu Glu Leu
            20

<210> 1745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1745
Ser Val Lys Asp Ser Phe Arg Asp Leu Phe Ile Pro Arg Ile Glu Thr
1   5   10   15

Ile Leu Met Met
            20

<210> 1746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1746
Asp Leu Val Gly Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val
1   5   10   15

Thr Lys Ala Glu
            20

<210> 1747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1747
Leu Tyr Asp Gly Met Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Leu
1   5   10   15

Leu Thr Gln Asp
            20

<210> 1748
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1748
Gln Ala Gln Glu Glu Asp Leu Gly Leu Val Gly Ala Gln Ala Leu Gln
1   5   10   15

Ala Glu Glu Gln
            20

<210> 1749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1749
Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Phe
1   5   10   15

Thr Lys Ala Glu
            20

<210> 1750
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1750
Gln Ser Pro Gln Gly Ala Ser Ser Leu Pro Thr Thr Met Asn Tyr Pro
1   5   10   15

Leu Trp Ser Gln
            20

<210> 1751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1751
Ala Lys Glu Leu Val Thr Lys Ala Glu Met Leu Glu Arg Val Ile Lys
1   5   10   15

Asn Tyr Lys Arg
            20

<210> 1752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1752
Asp Pro Pro Gln Ser Pro Gln Gly Ala Ser Ser Leu Pro Thr Thr Met

1 5 10 15

Asn Tyr Pro Leu
20

<210> 1753
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1753
Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Ala Pro Gly Ser Asp Pro Val
1 5 10 15

Arg Tyr Glu Phe
20

<210> 1754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1754
Val Ile Phe Gly Lys Ala Ser Glu Phe Met Gln Val Ile Phe Gly Thr
1 5 10 15

Asp Val Lys Glu
20

<210> 1755
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1755
Val Val Asp Glu Lys Tyr Lys Asp His Phe Thr Glu Ile Leu Asn Gly
1 5 10 15

Ala Ser Arg Arg
20

<210> 1756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1756
Lys Ser Gly Ser Leu Val Gln Phe Leu Leu Tyr Lys Tyr Lys Ile Lys
1   5   10   15

Lys Ser Val Thr
            20

<210> 1757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1757
Asn Ser Asn Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala His
1   5   10   15

Ala Glu Thr Ser
            20

<210> 1758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1758
Ala Glu Thr Ser Lys Met Lys Val Leu Glu Phe Leu Ala Lys Val Asn
1   5   10   15

Asp Thr Thr Pro
            20

<210> 1759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1759
Glu Gly Ile Leu Ser Gly Asp Asn Ala Leu Pro Lys Ser Gly Leu Leu
1   5   10   15

Met Ser Leu Leu
            20

<210> 1760

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1760
Ser Asp Glu Gln Gly Met Ser Gln Asn Arg Leu Leu Ile Leu Ile Leu
1   5   10   15

Ser Ile Ile Phe
            20

<210> 1761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1761
Ala Ser Ser Thr Leu Tyr Leu Val Phe Ser Pro Ser Ser Phe Ser Thr
1   5   10   15

Ser Ser Ser Leu
            20

<210> 1762
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1762
Lys Gln Glu Phe Leu Asn Val Gln Glu Tyr Asn His Leu Leu Lys Val
1   5   10   15

Met Gly Gln Tyr
            20

<210> 1763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1763
Glu Gln Glu Lys Glu Glu Ile Ala Ser Lys Ser Ala Leu Leu Arg Gln
1   5   10   15

Ile Lys Glu Val
            20

<210> 1764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1764
Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu Ala Pro
1   5   10   15

Ala Thr Glu Pro
            20

<210> 1765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1765
Leu Leu Gln Glu Ala Asn Phe His Ile Ile Asp Asn Val Asp Leu Val
1   5   10   15

Val Ser Ala Tyr
            20

<210> 1766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1766
Ser Pro Gly Ser Thr Leu Ser Ser Ser Arg Ser Val Glu Leu Asn Gly
1   5   10   15

Phe Met Ala Phe
            20

<210> 1767
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1767
Asn Asn Lys Leu Tyr Gln Leu Asp Gly Leu Ser Asp Ile Thr Glu Lys
1   5   10   15

Ala Pro Lys Val
            20

<210> 1768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1768
Ile Pro Glu Ser Ile Tyr Gln Lys Val Met Glu Ile Asn Arg Glu Val
1   5   10   15

Glu Glu Pro Pro
            20

<210> 1769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1769
Gly Arg Gly Ile Leu Ile Phe Ser Asp Phe Lys Asp Phe Ile Phe Asp
1   5   10   15

Asp Met Tyr Ile
            20

<210> 1770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1770
Lys Ser Gln Val Met Lys Thr Arg Leu Glu Ala Asp Glu Val Ala Ala
1   5   10   15

Gln Leu Glu Arg
            20

<210> 1771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1771

Gln Pro Asp Gln Met Arg Ser Ala Glu Gln Thr Arg Leu Met Pro Ala
1   5   10   15

Glu Gln Arg Asp
            20

<210> 1772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1772
Lys Arg Ser Pro Arg Gly Leu Ser His Ser Pro Trp Ala Val Lys Lys
1   5   10   15

Ile Asn Pro Ile
            20

<210> 1773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1773
Gly Ser Ile Leu Leu Pro Ser Phe Gln Ile Ala Leu Leu Thr Ser Glu
1   5   10   15

Asp His Ile Asn
            20

<210> 1774
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1774
Gly Ser Ser Gly Ile Ile Val Arg Leu Ser Thr Asn His Phe Arg Leu
1   5   10   15

Thr Ser Arg Pro
            20

<210> 1775
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1775
Lys Glu Ile Thr Phe Leu Glu Tyr Tyr Ser Lys Asn Tyr Gly Ile Thr
1   5   10   15

Val Lys Glu Glu
            20

<210> 1776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1776
Gly Thr Ser Leu Glu Ile Trp Leu Gly Tyr Val Thr Ser Val Leu Gln
1   5   10   15

Tyr Glu Asn Ser
            20

<210> 1777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1777
Val Asp Ser Glu Ala Thr Arg Asn Glu Trp Tyr Asp Phe Tyr Leu Ile
1   5   10   15

Ser Gln Val Ala
            20

<210> 1778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1778
Asp Ser Leu Phe Phe Leu Arg Gly Arg Leu Asp Gln Leu Leu Arg His
1   5   10   15

Val Met Asn Pro
            20

<210> 1779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1779
Glu Asn Ile Lys Lys Phe Leu Tyr Asn Phe Thr Gln Ile Pro His Leu
1   5   10   15

Ala Gly Thr Glu
            20

<210> 1780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1780
Ile Arg Gly Arg Arg Tyr Pro Leu Ser Glu Lys Lys Ile Met His Tyr
1   5   10   15

Met Tyr Gln Leu
            20

<210> 1781
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1781
Gly Ser Met Lys Val Lys Arg Gln Phe Val Glu Phe Thr Ile Lys Glu
1   5   10   15

Ala Ala Arg Phe
            20

<210> 1782
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1782
Pro Tyr Glu Glu Ala Leu Leu Gln Ala Glu Ala Pro Arg Leu Ala Glu
1   5   10   15

Tyr Gln Ala Tyr

20

<210> 1783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1783
Glu Glu Thr Arg Gln Val Tyr Met Asp Leu Asn Asn Asn Ile Glu Lys
1 5 10 15

Met Ile Thr Ala
20

<210> 1784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1784
Ile Glu Lys Arg Arg Lys Lys Arg Ser Ser Ala Gly Val Val Glu Asp
1 5 10 15

Met Gly Gly Glu
20

<210> 1785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1785
Ser Gln Leu Ser Leu Thr Thr Lys Met Asp Ala Glu His Pro Glu Leu
1 5 10 15

Arg Ser Tyr Ala
20

<210> 1786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1786
Gln Asp Lys Arg Ile Glu Asn Leu Arg Glu Lys Val Asn Ile Leu Glu
1 5 10 15

Ala Gln Asn Lys
            20

<210> 1787
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1787
Thr Thr Ile Ala Phe Phe Ile Tyr Lys Arg Arg Leu Asn Glu Asn Thr
1   5   10   15

Asp Phe Pro Asp
            20

<210> 1788
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1788
Gln Gln Gln Glu Gln Ile Ala Arg Gln Gln Gln Gln Leu Leu Gln Gln
1   5   10   15

Gln His Lys Ile
            20

<210> 1789
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1789
Leu Ala Asp Gly Asn Val Lys Ala Phe Tyr Arg Arg Ala Leu Ala His
1   5   10   15

Lys Gly Leu Lys
            20

<210> 1790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1790
Glu Lys Lys Arg Ser Ser Ile Trp Gln Phe Phe Ser Arg Leu Phe Ser
1   5   10   15

Ser Ser Ser Asn
            20

<210> 1791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1791
Ser Leu Ile Leu Lys Ile Leu Ser Met Ile Tyr Lys Leu Val Gln Ser
1   5   10   15

Asn Thr Tyr Ala
            20

<210> 1792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1792
Pro Asp Val Glu Asn Glu Val Lys Arg Leu Leu Arg Ser Asp Ala Glu
1   5   10   15

Ala Val Ser Thr
            20

<210> 1793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1793
Asn Glu Ser Val Arg Pro Tyr Thr Pro Phe Glu Val Lys Ile Arg Ser
1   5   10   15

Tyr Asn Arg Arg
            20

<210> 1794
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1794
Leu Met Glu Leu Asn Gly Ser Ser Ser Gln Leu Ile Ile Met Leu Leu
1   5   10   15

Lys Asn Phe Met
            20

<210> 1795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1795
Asp Ile Pro Gln Leu Lys Leu Val Asn Glu Val Phe Thr Ile Asp Asp
1   5   10   15

Thr Leu Gln Thr
            20

<210> 1796
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1796
Ala Glu Gln Glu His Ser Ser Lys Leu Arg His Pro Tyr Leu Leu Gln
1   5   10   15

Leu Met Ala Val
            20

<210> 1797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1797
Leu Arg Ser Leu Leu Trp Tyr Asp Glu Thr Leu Tyr Ala Glu Leu Leu
1   5   10   15

Gly Lys Pro Arg
            20

<210> 1798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1798
His Val Ser Asp His Asn Arg Leu Leu His Leu Ala Arg Pro Lys Ala
1   5   10   15

Gln Ser Asp Lys
            20

<210> 1799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1799
Thr Thr Asp Lys Ile Leu Ile Asp Val Phe Asp Gly Leu Pro Leu Tyr
1   5   10   15

Asp Asp Val Lys
            20

<210> 1800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1800
Thr Val Glu Lys Glu Met Lys Ser Leu Ala Arg Lys Ala Met Asp Thr
1   5   10   15

Glu Ser Glu Leu
            20

<210> 1801
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1801
Gln Met Thr Gln Thr Ala Ser Asp Val Pro Val Leu Gln Val Ile Met
1   5   10   15

His Ser Arg Tyr
            20

<210> 1802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1802
Thr Pro Ile Glu Trp Tyr Pro Asp Tyr Glu Val Glu Ala Tyr Arg Arg
1   5   10   15

Arg His His Asn
            20

<210> 1803
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1803
Ser Gln Val Gln Gly Ser Ala Asn Asp Pro Ile Phe Leu Leu His His
1   5   10   15

Ala Phe Val Asp
            20

<210> 1804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1804
Leu Glu Ser Gln Pro Ala Ile Arg Asn Gln Gly Tyr Ser Thr Val Thr
1   5   10   15

Phe Asp Gly Thr
            20

<210> 1805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1805
Leu Lys Pro Glu Ile His Thr Lys Glu Gln Ile Leu Glu Leu Leu Val

1 5 10 15

Leu Glu Gln Phe
20

<210> 1806
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1806
Ala Ser Asn His Phe Leu Tyr Leu Pro Arg Asp Val Leu Ala Gln Leu
1 5 10 15

Pro Ser Leu Arg
20

<210> 1807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1807
Ala Leu Ser Pro Gly Lys Ser Glu Asp Val Val Leu Arg Trp Ser Gln
1 5 10 15

Glu Phe Ser Thr
20

<210> 1808
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1808
Gln Asn Leu Gly Glu Ala Leu Asp Phe Arg Glu Arg Gln Gln Ser Ala
1 5 10 15

Leu Asp Glu Ser
20

<210> 1809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1809
Asn Phe Asp Ser Leu Pro Val Gln Ile Thr Val Pro Glu Lys Ile Arg
1   5   10   15

Ser Ile Ile Lys
            20

<210> 1810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1810
Phe Arg Ile Val Glu Ile Val Val Val Ile Asp Asn Tyr Leu Tyr Ile
1   5   10   15

Arg Tyr Glu Arg
            20

<210> 1811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1811
Lys Trp Val Glu Ser Ile Phe Leu Ile Phe Leu Leu Asn Phe Thr Glu
1   5   10   15

Ser Arg Thr Leu
            20

<210> 1812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1812
Leu Gly Asn Gly Ser Ser Val Asp Glu Val Ser Phe Tyr Ala Asn Arg
1   5   10   15

Leu Thr Asn Leu
            20

<210> 1813

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1813
Tyr Ser Val Tyr Ala Asp Gln Val Asn Ile Asp Tyr Leu Met Asn Arg
1   5   10   15

Pro Gln Asn Leu
            20

<210> 1814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1814
Leu Glu Lys Asp Ile Ile Ser Asp Thr Ser Gly Asp Phe Arg Lys Leu
1   5   10   15

Met Val Ala Leu
            20

<210> 1815
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1815
Gly Asp Lys Leu Gly Arg Val Val His Ile Ile Gln Ser Arg Glu Pro
1   5   10   15

Ser Leu Ser Asn
            20

<210> 1816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1816
Lys Val Ser Ser Ile His Ser Asp Gln Ser Asp Val Leu Met Val Asp
1   5   10   15

Val Ala Thr Ser
            20

<210> 1817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1817
Gly Ala Lys Leu Asp Lys Tyr His Ser Leu Asn Glu Glu Leu Asp Phe
1   5   10   15

Leu Val Thr Ser
            20

<210> 1818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1818
Lys Val His Val Ile Leu His Phe Lys Asn Lys Tyr His Glu Asn Lys
1   5   10   15

Lys Leu Ile Arg
            20

<210> 1819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1819
Ala Arg Asn Glu Thr Leu Ser Asn Thr Leu Val Glu Leu Ser Ala Gln
1   5   10   15

Val Gly Gln Leu
            20

<210> 1820
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1820
Ser Gln Glu Ile Phe Leu Asn Leu Lys Thr Ala Leu Glu Lys Tyr His
1   5   10   15

Asp Gly Ile Glu
            20

<210> 1821
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1821
Asn Val Gly Glu Val Ser Thr Pro Phe His Ile Phe Lys Val Lys Val
1   5   10   15

Thr Thr Glu Arg
            20

<210> 1822
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1822
Ala Thr Glu Glu Leu Glu Thr Tyr Arg Lys Arg Ala Lys Asp Leu Lys
1   5   10   15

Glu Phe Glu Lys
            20

<210> 1823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1823
Glu Leu Tyr Gln Glu Asn Glu Met Lys Leu His Arg Lys Leu Thr Val
1   5   10   15

Glu Glu Asn Tyr
            20

<210> 1824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1824

Ala Phe Gln Asp Ser Val Leu Glu Glu Glu Val Glu Leu Val Leu Ala
1   5   10   15

Pro Ser Glu Glu
            20

<210> 1825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1825
Thr Val Met Pro Arg Phe Ala Glu Gln Val Glu Val Ala Ile Glu Ala
1   5   10   15

Leu Ser Ala Asn
            20

<210> 1826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1826
His Leu Gly Thr Leu Asn Lys Val Phe Ala Ser Gln Trp Leu Asn His
1   5   10   15

Arg Gln Val Val
            20

<210> 1827
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1827
Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr Asp Ser Phe His Thr
1   5   10   15

Glu Leu His Pro
            20

<210> 1828
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1828
Ala Ser Gly Ala Leu Val Gly Ala Ala Ser Gly Ser Ser Ala Gly Gly
1   5   10   15

Ser Ser Arg Gly
            20

<210> 1829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1829
Gly Asp Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu
1   5   10   15

Ala Glu Arg Ile
            20

<210> 1830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1830
Ala Ser His Asn Gly Ile Ser Tyr Lys Asp Leu Asp Val Ile Phe Gly
1   5   10   15

Val Glu Leu Pro
            20

<210> 1831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1831
Glu Arg Leu Ala Arg Ile Leu Leu Gln Glu Ile Pro Ile Arg Ser Ile
1   5   10   15

Ser Leu Arg Ser
            20

<210> 1832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1832
Gln Gly Leu Glu Met Arg Ile Lys Leu Trp Glu Glu Ile Lys Ser Ala
1   5   10   15

Lys Tyr Ser Glu
            20

<210> 1833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1833
Tyr Ala Ala Ser Val Ala Asn Ala Glu Leu Val Arg Val Leu Leu Asp
1   5   10   15

Arg Gly Ala Asn
            20

<210> 1834
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1834
Pro Leu Pro Asp Ser Met Lys Leu Glu Ser Ser His Ser Arg Gly Ser
1   5   10   15

Met Thr Ala Leu
            20

<210> 1835
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1835
Ile Gln Asn Ala Ala Val Phe Gln Glu Ala Phe Glu Ile Val Val Arg
1   5   10   15

His Ala Lys Asn

20

<210> 1836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1836
Ala Phe Thr Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln
1 5 10 15

Leu Arg Ala Leu
20

<210> 1837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1837
Phe Val Asn Leu Lys Asn Ile Thr Tyr Leu Val Leu Asp Glu Ala Asp
1 5 10 15

Lys Met Leu Asp
20

<210> 1838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1838
Arg Pro Asp Asn Met Ser Glu Tyr Ser Lys Gln Met Gln Arg Phe Asn
1 5 10 15

Val Gly Glu Asp
20

<210> 1839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1839
Pro Thr Ala Thr Gln Asp Gln Val Gln Gly Thr Val Thr Ile Arg Asn
1 5 10 15

Ile Ser Ala Leu
            20

<210> 1840
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1840
Pro Tyr Lys Tyr Lys Leu Arg Tyr Arg Tyr Thr Leu Asp Asp Leu Tyr
1   5   10   15

Pro Met Met Asn
            20

<210> 1841
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1841
Asp Gln Thr Pro Asp Glu Asn Asp Gln Val Val Val Lys Ile Thr Gly
1   5   10   15

His Phe Tyr Ala
            20

<210> 1842
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1842
Phe His Pro Gly Gly Leu Met Lys Leu Arg Ser Arg Glu Ala Asp Leu
1   5   10   15

Tyr Arg Phe Ile
            20

<210> 1843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1843
Lys Asp Tyr Ser Val Ser Ala Asn Ser Arg Ile Val Ile Val Thr Ala
1   5   10   15

Gly Ala Arg Gln
            20

<210> 1844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1844
Asn Asp Phe Val Asn Ile Ser Ser Ile Gly Leu Thr Tyr Phe Gln Ser
1   5   10   15

Ser Asn Leu Gln
            20

<210> 1845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1845
Gly Arg Glu His Ser Ala Tyr Gly Glu Pro Arg Lys Leu Leu Thr Gln
1   5   10   15

Asp Leu Val Gln
            20

<210> 1846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1846
Leu Leu Thr Gln Asp Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln
1   5   10   15

Val Pro Gly Ser
            20

<210> 1847
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1847
Val Gly Ala Gln Ala Leu Gln Ala Glu Glu Gln Glu Ala Ala Phe Phe
1   5   10   15

Ser Ser Thr Leu
            20

<210> 1848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1848
Ser Pro Gln Gly Ala Ser Thr Leu Pro Thr Thr Ile Asn Tyr Thr Leu
1   5   10   15

Trp Ser Gln Ser
            20

<210> 1849
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1849
Arg Glu Pro Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Asn
1   5   10   15

Trp Gln Tyr Phe
            20

<210> 1850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1850
Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asn
1   5   10   15

Pro Ala Arg Tyr
            20

<210> 1851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1851
Asp Ser Ile Phe Gly Asp Pro Lys Lys Leu Leu Thr Gln Tyr Phe Val
1   5   10   15

Gln Glu Asn Tyr
            20

<210> 1852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1852
Gln Ile Lys Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile
1   5   10   15

Lys Asn Tyr Lys
            20

<210> 1853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1853
Asp Gly Glu Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Phe Ile Thr
1   5   10   15

Gln Asp Leu Val
            20

<210> 1854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1854
Val Asn Pro Asn Gly His Thr Tyr Thr Phe Ile Asp Lys Val Asp Leu
1   5   10   15

Thr Asp Glu Glu
            20

<210> 1855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1855
Lys Met Lys Lys Pro Ile Met Lys Ala Asp Met Leu Lys Ile Val Gln
1   5   10   15

Lys Ser His Lys
            20

<210> 1856
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1856
Leu Lys Ile Ile Ser Lys Lys Tyr Lys Glu His Phe Pro Glu Ile Phe
1   5   10   15

Arg Lys Val Ser
            20

<210> 1857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1857
Gly Ser Pro Asp Ala Val Val Ser Tyr Ser Lys Ser Asp Val Ala Ala
1   5   10   15

Asn Gly Gln Asp
            20

<210> 1858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1858
Leu Gln Ile Pro Val Ser Arg Ser Phe Ser Ser Thr Leu Leu Ser Ile

1 5 10 15

Phe Gln Ser Ser
20

<210> 1859
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1859
Tyr Thr Leu Asp Glu Lys Val Ala Glu Leu Val Glu Phe Leu Leu Leu
1 5 10 15

Lys Tyr Glu Ala
20

<210> 1860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1860
Leu Tyr Arg Pro Arg Lys Tyr Leu Tyr Val Thr Ser Ser Phe Lys Gly
1 5 10 15

Ala Phe Lys Asp
20

<210> 1861
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1861
Arg Lys Lys Trp Leu Glu Glu Lys Met Met Leu Ile Thr Gln Ala Lys
1 5 10 15

Glu Ala Glu Asn
20

<210> 1862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1862
Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro
1   5   10   15

Ala Ser Lys Ser
            20

<210> 1863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1863
Gln Glu Leu Leu Val Ala Asn Phe Glu Lys Ala Arg Arg Ala His Trp
1   5   10   15

Ile Phe Leu Gly
            20

<210> 1864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1864
Gln Asp Phe Thr Glu Tyr Lys Tyr Thr His Gln Pro Asn Arg Phe Pro
1   5   10   15

Asp Leu Met Met
            20

<210> 1865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1865
Lys Leu Glu Ser Ala Trp Glu Leu Gly Lys Val Lys Gly Leu Lys Leu
1   5   10   15

Glu Glu Leu Trp
            20

<210> 1866

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1866
Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Ile Tyr Asn Asn
1   5   10   15

Glu Val Leu His
            20

<210> 1867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1867
Thr Ile Tyr Val Tyr Gln Glu Gly Leu Val Arg Phe Ala Thr Glu Lys
1   5   10   15

Phe Asp Leu Ser
            20

<210> 1868
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1868
Asp Ser Leu Val Glu Arg Leu His Arg Gln Thr Ala Glu Tyr Ser Ala
1   5   10   15

Phe Lys Leu Glu
            20

<210> 1869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1869
Leu Glu Thr Pro Gln Asp Tyr Ile Arg Leu Trp Gln Glu Leu Ser Asp
1   5   10   15

Ser Leu Gly Pro
            20

<210> 1870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1870
Glu Ala Val Glu Glu Asn Gly Val Ile Thr Asp Lys Ala Asp Ile Phe
1   5   10   15

Ala Phe Gly Leu
            20

<210> 1871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1871
Gln Thr Glu Ser Ala Gly Ile Gln Arg Ala Gln Ile Gln Lys Glu Leu
1   5   10   15

Trp Arg Ile Gln
            20

<210> 1872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1872
Leu Ser Thr Asn His Phe Arg Leu Thr Ser Arg Pro Gln Trp Ala Leu
1   5   10   15

Tyr Gln Tyr His
            20

<210> 1873
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1873
Lys Ser Met Arg Phe Gly Met Leu Lys Asp His Gln Ala Val Thr Gly
1   5   10   15

Asn Val Thr Ala
            20

<210> 1874
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1874
Leu Lys Phe Asp Thr Asn Phe Leu Ser Val Pro Gly Arg Val Leu Lys
1   5   10   15

Asn Ala Asn Ile
            20

<210> 1875
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1875
Trp Gly Leu His Phe Gly Ser Gln Ile Ser Leu Thr Gly Arg Ile Val
1   5   10   15

Pro Ser Glu Lys
            20

<210> 1876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1876
Pro Ser Val Ser Gln Leu Ser Val Leu Ser Leu Ser Gly Val Met Leu
1   5   10   15

Thr Asp Val Ser
            20

<210> 1877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1877

Ser Val Tyr Glu Thr Tyr Glu Leu Val Glu Lys Phe Tyr Asp Pro Met
1   5   10   15

Phe Lys Tyr His
            20

<210> 1878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1878
Arg Leu Asn Pro His Pro Asn Ile Leu Met Leu His Glu Val Val Phe
1   5   10   15

Asp Arg Lys Ser
            20

<210> 1879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1879
Thr Ile Lys Glu Ala Ala Arg Phe Lys Lys Val Val Leu Ile Gln Gln
1   5   10   15

Leu Glu Lys Ala
            20

<210> 1880
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1880
Glu Leu Thr Lys Val Arg Met Ala Arg Gln Lys Met Ser Glu Ile Phe
1   5   10   15

Pro Leu Thr Glu
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<210> 1881
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1881
Glu Glu Leu Lys Gly Thr Glu Gln Glu Leu Ile Gly Leu Leu Gln Ala
1   5   10   15

Arg Glu Lys Glu
            20

<210> 1882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1882
Glu Gly Val Gly Val Asp Ile Asn Lys Ala Leu Leu Ala Lys Arg Lys
1   5   10   15

Arg Leu Glu Met
            20

<210> 1883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1883
Gln Glu Glu Ser Ile Thr Val Gln Thr Met Met Asn Thr Leu Arg Asp
1   5   10   15

Lys Ala Ser Gly
            20

<210> 1884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1884
Ile Pro Pro Arg Asp Lys Met Glu Asp Asn Ser Ala Leu Tyr Glu Ser
1   5   10   15

Thr Ser Ala His
            20

<210> 1885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1885
Leu Lys Thr Ile Glu Lys Leu Ala Leu Glu Lys Ser Tyr Asp Ile Ser
1   5   10   15

Ser Gly Leu Val
            20

<210> 1886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1886
Thr Ser Pro Thr Gln Asn Leu Phe Pro Ala Ser Lys Thr Ser Pro Val
1   5   10   15

Asn Leu Pro Asn
            20

<210> 1887
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1887
Pro Gly Asn Val Lys Ala Leu Leu Arg Arg Ala Thr Thr Tyr Lys His
1   5   10   15

Gln Asn Lys Leu
            20

<210> 1888
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1888
Ser Ile Lys Leu Lys Asp Ser Ile Leu Ser Ile Val His Val Lys Gly
1   5   10   15

Ile Val Leu Val

20

<210> 1889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1889
Leu Ala Ser Ser Ser Glu Val Leu Ala Ser Ile Glu Asn Ile Ile Gln
1 5 10 15

Asp Ile Ile Thr
20

<210> 1890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1890
Gln Gly His Thr Ser Ser Glu Tyr Asp Met Leu Arg Glu Met Phe Ser
1 5 10 15

Asp Ser Arg Ser
20

<210> 1891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1891
Leu Trp Ser Lys Gly Thr Glu Ile Leu Val Asn Ser Ser Arg Val Thr
1 5 10 15

Val Thr Pro Asp
20

<210> 1892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1892
Ile Lys Ile Val Asp Ile Leu Glu Glu Glu Val Val Thr Phe Ala Val
1 5 10 15

Glu Val Glu Leu
            20

<210> 1893
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1893
Asp Glu Ser Thr Ser Thr Leu Arg Pro Pro Thr Ile Leu Pro Thr Leu
1   5   10   15

Arg Ser Ala Leu
            20

<210> 1894
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1894
Gly Glu Tyr Phe Tyr Ser Ser Thr Ala Gln Glu Asn Leu Ala Leu Glu
1   5   10   15

Thr Ser Ser Pro
            20

<210> 1895
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1895
Leu Asp Lys Gln Arg Ile Leu Thr Val Asp Ser Phe Ala Ala Ser Ser
1   5   10   15

Thr Val Pro His
            20

<210> 1896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1896
Glu Asp Thr Thr Leu Thr Ile Thr Val Pro Ala Val Ser Arg Arg Val
1   5   10   15

Glu Glu Leu Ser
            20

<210> 1897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1897
Ala Tyr Asp Pro Lys His Phe His Asn Arg Val Val Arg Ile Met Ile
1   5   10   15

Asp Asp His Asn
            20

<210> 1898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1898
Ser Arg Asp Val Ala Gln Phe Arg Asn Val Val Thr Gln Leu Glu Ala
1   5   10   15

Asp Leu Asp Ile
            20

<210> 1899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1899
Thr Thr Gln Thr Leu Pro Ser Thr Thr Met Glu Thr Gln Phe Pro Val
1   5   10   15

Ser Glu Gly Lys
            20

<210> 1900
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1900
Leu Val Glu Arg Arg Glu Glu Ala Gln Arg Ala Gln Gln Ala Val Pro
1   5   10   15

Gly Pro Gly Pro
            20

<210> 1901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1901
Lys Asn Gly Ser Thr Pro Met Phe Asn Asp Ile Asn Ile Tyr Asp Leu
1   5   10   15

Phe Val Trp Met
            20

<210> 1902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1902
Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr His Thr Arg Thr
1   5   10   15

His Thr Gly Lys
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<210> 1903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1903
Glu Asn Ser Arg Ser Met Pro Lys Leu Glu Ile Phe Glu Lys Ile Glu
1   5   10   15

Ser Gln Arg Ile
            20

<210> 1904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1904
His Leu Pro Ser Leu Arg Gln Leu Asp Leu Ser His Asn Pro Leu Ala
1   5   10   15

Asp Leu Ser Pro
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<210> 1905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1905
Lys Glu Gly Arg Glu Ala Val Ser Gln Leu Gln Thr Asp Ser Glu Pro
1   5   10   15

Lys Phe His Ser
            20

<210> 1906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1906
Thr Leu Glu Phe Ala Gly Gln Asp Leu Ser Ala Tyr Leu Leu Lys Ser
1   5   10   15

Leu Phe Lys Glu
            20

<210> 1907
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1907
Gln Leu Tyr Asn His Met Gly Ser Asp Thr Thr Val Val Ala Gln Lys
1   5   10   15

Val Phe Gln Leu
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<210> 1908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1908
Val Phe Thr Tyr Thr Asp Gln Gly Ala Ile Leu Glu Asp Gln Pro Phe
1   5   10   15

Val Gln Asn Asn
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<210> 1909
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1909
Glu Tyr Ser Arg Arg His Pro Gln Leu Ala Val Ser Val Ile Leu Arg
1   5   10   15

Val Ala Lys Gly
            20

<210> 1910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1910
Met Asp Thr Ser Thr Asp Pro Val Arg Val Leu Ser Trp Leu Arg Arg
1   5   10   15

Asp Leu Glu Lys
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<210> 1911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1911
Ser Lys Ile Ala Ser Glu Met Ala Tyr Glu Ala Val Glu Leu Thr Ala

1 5 10 15

Ala Glu Met Arg
20

<210> 1912
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1912
Glu Thr Val Ile Leu Gly Leu Leu Lys Thr Pro Ala Gln Tyr Asp Ala
1 5 10 15

Ser Glu Leu Lys
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<210> 1913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1913
Asp Lys Ser Lys Leu Trp Leu Leu Lys Asp Arg Asp Leu Ala Arg Gln
1 5 10 15

Lys Glu Gln Glu
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<210> 1914
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1914
Pro Gly Thr Glu Gln Thr Glu Ala Val Gly Gly Leu Ser Ser Lys Pro
1 5 10 15

Ala Thr Pro Lys
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<210> 1915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1915
Pro Val Gln Glu Asp Met Ala Leu Asn Glu Val Leu Gln Lys Leu Lys
1   5   10   15

His Thr Asn Arg
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<210> 1916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1916
His Lys Glu Lys Asp Lys Gly Leu Gln Thr Thr Gln Asn Gly Arg Phe
1   5   10   15

Tyr Ala Ile Ser
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<210> 1917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1917
Pro Thr Leu Ser Asp Glu Lys Gln Trp His Asp Val Ser Val Tyr Leu
1   5   10   15

Gly Leu Thr Asn
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<210> 1918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1918
Asp Leu Ser Asp Asn Arg Glu Lys Leu Ala Ser Ile Leu Lys Glu Ser
1   5   10   15

Leu Asn Leu Glu
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<210> 1919

<211> 20
<212> PRT
<213> Homo sapiens

<400> 1919
Glu Ser Ser Met Leu Ser Thr Asp Thr Lys Lys Ala Ser Ile Leu Leu
1   5   10   15

Ile Arg Lys Ile
            20

<210> 1920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1920
Thr Glu Ile Glu Phe Lys Ile Lys Leu Leu Glu Lys Asp Pro Tyr Gly
1   5   10   15

Leu Asp Val Pro
            20

<210> 1921
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1921
Ile Glu Glu Lys Ser Lys Leu Leu Glu Lys Phe Ser Leu Val Gln Lys
1   5   10   15

Glu Tyr Glu Gly
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<210> 1922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1922
Thr Ser Gly Glu Leu Val Arg His Arg Arg Tyr Lys His Thr His Glu
1   5   10   15

Lys Pro Phe Lys
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<210> 1923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1923
Lys Lys Thr Arg Asp Leu Arg Arg Gln Leu Arg Lys Ala Val Met Asp
1   5   10   15

His Ile Ser Asp
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<210> 1924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1924
Pro Ser Leu Leu Lys Glu Arg Glu Phe His Leu Gly Thr Leu Asn Lys
1   5   10   15

Val Phe Ala Ser
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<210> 1925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1925
Glu His Gln Leu Gly Asn Asn Thr Leu Ser Ser His Leu Gln Ile Asp
1   5   10   15

Lys Met Thr Asp
            20

<210> 1926
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1926
Gly Ser Ser Arg Gly Gly Gly Ser Gly Ser Gly Ala Ser Asp Leu Gly
1   5   10   15

Ala Gly Ser Lys
            20

<210> 1927
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1927
Leu Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp Ser Ile Pro
1   5   10   15

Pro Pro Gln Gln
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<210> 1928
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1928
Pro Thr Met Glu Val Lys Pro Lys Asp Ile Ile His Val Val Lys Asp
1   5   10   15

Gln Leu Ile Gly
            20

<210> 1929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1929
Arg Pro Ser Arg Val His Ala Ser Glu Val Glu Ser Ala Val Trp Tyr
1   5   10   15

Val Lys Lys Phe
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<210> 1930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1930

Phe Ile Lys Arg Asn Ile Glu Leu Ala Lys Glu Ser Arg Asn Pro Val
1   5   10   15

Val Met Val Asp
            20

<210> 1931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1931
Thr Gln Val Val Ala Leu Leu Val Ala His Gly Ala Glu Val Asn Thr
1   5   10   15

Gln Asp Glu Asn
            20

<210> 1932
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1932
Lys Asp Asn Glu Ile Ser Thr Phe His Asn Leu Gly Asn Val His Ser
1   5   10   15

Pro Leu Lys Leu
            20

<210> 1933
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1933
Asp Ile Val Gln Gly Ile Glu Ser Ala Glu Ile Leu Gln Ala Val Pro
1   5   10   15

Ser Gly Glu Gly
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<210> 1934
<211> 20
<212> PRT

<213> Homo sapiens

<400> 1934
Gly Ser Thr Asp Asn Asn Val Val Ala Gly Asp Arg Pro Leu Ile Asp
1   5   10   15

Trp Asp Gln Ile
            20

<210> 1935
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1935
Gly Ser Val Ala Gly Ala Val Lys Leu Asn Arg Gln Gln Thr Asp Met
1   5   10   15

Ala Val Asn Trp
            20

<210> 1936
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1936
Arg Gly Ser Ser Pro Gln Val Met Ser Arg Ser Asn Gly Ser Val Ser
1   5   10   15

Arg Lys Pro Arg
            20

<210> 1937
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1937
Leu Pro Glu Ile Gln Glu Leu Tyr Gln Thr Leu Leu Ala Lys Pro Ser
1   5   10   15

Pro Ala Gln Gln
            20

<210> 1938
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1938
Ser Asp Leu Glu Ser Ile Phe Lys Asp Ala Lys Ile Pro Val Ser Gly
1   5   10   15

Pro Phe Leu Val
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<210> 1939
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1939
Ser Pro Leu Arg Ser Ala Asn Thr Val Val Gln Ser Lys Ala Ala Leu
1   5   10   15

Ala Val Thr Ala
            20

<210> 1940
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1940
Gln His Gly Ser Leu Phe Phe Ser Thr Ser Lys Ile Thr Ser Gly Lys
1   5   10   15

Asp Tyr Ser Val
            20

<210> 1941
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1941
Pro Arg Leu Gly Tyr Gln Ala Lys Leu Phe Lys Gly Val Leu Lys Glu
1   5   10   15

Arg Met Glu Gly

20

<210> 1942
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1942
Tyr Arg Gln Val Pro Asp Ser Asp Pro Ala Arg Tyr Glu Phe Leu Trp
1 5 10 15

Gly Pro Arg Ala
20

<210> 1943
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1943
Tyr Arg Gln Val Pro Gly Ser Asp Pro Ala Arg Tyr Glu Phe Leu Trp
1 5 10 15

Gly Pro Arg Ala
20

<210> 1944
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1944
Tyr Glu Phe Leu Trp Gly Pro Arg Ala His Ala Glu Thr Ser Lys Met
1 5 10 15

Lys Val Leu Glu
20

<210> 1945
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1945
Ile Leu Gly Asp Pro Lys Lys Leu Leu Thr Gln His Phe Val Gln Glu
1 5 10 15

Asn Tyr Leu Glu
            20

<210> 1946
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1946
Ala Ser Glu Ser Leu Lys Met Ile Phe Gly Ile Asp Val Lys Glu Val
1   5   10   15

Asp Pro Ala Ser
            20

<210> 1947
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1947
Ser Val Met Gly Leu Tyr Asp Gly Arg Glu His Ser Val Tyr Trp Lys
1   5   10   15

Leu Arg Lys Leu
            20

<210> 1948
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1948
Tyr Lys Met Arg Glu Pro Ile Met Lys Ala Asp Met Leu Lys Val Val
1   5   10   15

Asp Glu Lys Tyr
            20

<210> 1949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1949
Asp Gly Glu Glu His Ser Val Phe Gly Glu Pro Trp Lys Leu Ile Thr
1   5   10   15

Lys Asp Leu Val
            20

<210> 1950
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1950
Lys Val Asp Ser Thr Lys Asp Ser Tyr Val Leu Val Ser Lys Met Asp
1   5   10   15

Leu Pro Asn Asn
            20

<210> 1951
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1951
Asn Pro Thr Thr His Ser Tyr Ile Leu Val Ser Met Leu Gly Pro Asn
1   5   10   15

Asp Gly Asn Gln
            20

<210> 1952
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1952
Leu Asp Glu Lys Val Asp Glu Leu Ala Arg Phe Leu Leu Leu Lys Tyr
1   5   10   15

Gln Val Lys Gln
            20

<210> 1953
<211> 20

<212> PRT
<213> Homo sapiens

<400> 1953
Gln Ala Thr Ile Asp Thr Ala Asp Asp Ala Thr Val Met Ala Ser Glu
1   5   10   15

Ser Leu Ser Val
            20

<210> 1954
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1954
Phe Asn Gln Ile Gln Asn Thr Tyr Met Val Gln Tyr Glu Lys Lys Ile
1   5   10   15

Lys Arg Lys Leu
            20

<210> 1955
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1955
Arg Thr Leu Asp Ser Val Ser Gln Ile Ser Asn Ile Asp Leu Leu Asn
1   5   10   15

Leu Arg Asp Leu
            20

<210> 1956
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1956
His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser Lys Ser
1   5   10   15

Thr Pro Phe Ser
            20

<210> 1957
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1957
Met Ala Ala Ser Phe Phe Ser Asp Phe Gly Leu Met Trp Tyr Leu Glu
1   5   10   15

Glu Leu Lys Lys
            20

<210> 1958
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1958
Leu Gln Met Gly Met Asn Arg Lys Ala Ile Arg Glu Asp Gly Met Pro
1   5   10   15

Gly Gly Arg Asn
            20

<210> 1959
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1959
Asp Gly Tyr Thr Arg Asn Trp Phe Lys Val Thr Ile Pro Tyr Gly Ile
1   5   10   15

Lys Tyr Asp Lys
            20

<210> 1960
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1960
Ile Asp Ile His Phe Leu Glu Arg Lys Met Gln His His Leu Leu Lys
1   5   10   15

Glu Lys Asn Glu
20

<210> 1961
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1961
Arg Thr Thr Thr Pro Ala Phe Thr Leu Asn Ile Pro Ser Glu Ala Asn
1 5 10 15

His Thr Glu Gln
20

<210> 1962
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1962
Ile Thr Pro Pro Ser Ser Glu Lys Leu Val Ser Val Met Arg Leu Ser
1 5 10 15

Asp Leu Ser Thr
20

<210> 1963
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1963
Ser Ser Thr Val Phe Leu Asp Thr Met Pro Glu Ser Pro Ala Leu Ser
1 5 10 15

Leu Gln Asp Phe
20

<210> 1964
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1964
Lys Glu Arg Pro Ile Ser Met Ile Asn Glu Ala Ser Asn Tyr Asn Val

1 5 10 15

Thr Ser Asp Tyr
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<210> 1965
<211> 20
<212> PRT
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<400> 1965
Pro Leu Asp Asn Trp Leu Leu Ile Tyr Thr Arg Arg Asn Tyr Glu Ala
1 5 10 15

Ala Asn Ser Leu
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<210> 1966
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<213> Homo sapiens

<400> 1966
Asp Arg Ile Glu Thr Tyr Val Arg Thr Ile Gln Ser Thr Leu Gly Ala
1 5 10 15

Glu Gly Lys Ile
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<210> 1967
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<213> Homo sapiens

<400> 1967
Asp Gly Asp Ala Asn Ser Tyr Ile Asp Thr Leu Arg Lys Tyr Thr Arg
1 5 10 15

Pro Thr Leu Gln
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<210> 1968
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<400> 1968
Gly Gln Leu Lys Thr Leu Ile Glu Tyr Glu Val Pro Gln Leu Leu Ser
1   5   10   15

Ser Val Ala Glu
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<210> 1969
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1969
Thr Ser Pro Arg Arg Leu Val Glu Leu Ala Gly Gln Ser Leu Leu Lys
1   5   10   15

Asp Glu Ala Leu
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<210> 1970
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<213> Homo sapiens

<400> 1970
Pro His Leu Ala Gly Thr Glu Gln Asn Phe Gln Leu Ala Lys Gln Ile
1   5   10   15

Gln Ser Gln Trp
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<210> 1971
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<213> Homo sapiens

<400> 1971
Asn Phe Asp Phe Pro Phe Lys Lys Gly Ser Gly Ile Pro Leu Leu Thr
1   5   10   15

Thr Asn Leu Ser
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<210> 1972

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<213> Homo sapiens

<400> 1972
Ala Met Ser Ser Arg Asp Leu Tyr Ala Thr Ile Thr His Ser Val Arg
1   5   10   15

Glu Glu Lys Met
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<210> 1973
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<400> 1973
Ala Ala Thr Glu Ala Pro Lys Met Ser Asn Ala Asp Phe Ala Lys Leu
1   5   10   15

Phe Leu Arg Lys
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<210> 1974
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<213> Homo sapiens

<400> 1974
Glu Val Glu Lys Ala Lys Val Ile Ala Asp Glu Ala Val Lys Leu Gln
1   5   10   15

Lys Glu Ile Asp
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<210> 1975
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<213> Homo sapiens

<400> 1975
Ser Gly Lys Pro Ser Val Glu Asp Gln Phe Thr Arg Ala Tyr Asp Phe
1   5   10   15

Glu Thr Glu Asp
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<210> 1976
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<213> Homo sapiens

<400> 1976
Glu His Pro Glu Leu Arg Ser Tyr Ala Gln Ser Gln Gly Trp Trp Thr
1   5   10   15

Gly Glu Gly Glu
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<210> 1977
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<212> PRT
<213> Homo sapiens

<400> 1977
Leu Lys Ile Lys Leu Gln Ala Ser Arg Glu Ala Gly Ala Ala Ala Leu
1   5   10   15

Arg Asn Val Ala
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<210> 1978
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<213> Homo sapiens

<400> 1978
Ser Gly Ser Gln Asp Glu Val Ser Arg Gly Val Glu Pro Leu Glu Ala
1   5   10   15

Ala Arg Ala Gln
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<210> 1979
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<400> 1979
Pro Glu Arg Arg Lys Gly Ser Leu Ala Asp Val Val Asp Thr Leu Lys
1   5   10   15

Gln Lys Lys Leu
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<210> 1980
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<212> PRT
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<400> 1980
Asp Thr Phe Leu Leu Leu Ile Gln Ser Leu Lys Asn Asn Leu Ile Glu
1   5   10   15

Lys Asp Pro Ser
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<210> 1981
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<212> PRT
<213> Homo sapiens

<400> 1981
Asn Gln Tyr Lys Glu Arg Leu Met Glu Leu Gln Glu Ala Val Arg Trp
1   5   10   15

Thr Glu Met Ile
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<210> 1982
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<213> Homo sapiens

<400> 1982
Val Thr Asp Ala Lys Phe Val Leu Ile Val Glu Lys Asp Ala Thr Phe
1   5   10   15

Gln Arg Leu Leu
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<210> 1983
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1983

Asp Arg Gly Ser Glu Thr Thr Tyr Glu Ser Ser Ala Asp Ile Ala Gly
1   5   10   15

Asp Glu Gly Thr
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<210> 1984
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1984
Gly Gly Ala Pro Gly Glu Leu Ile Val Asn Trp Thr Pro Met Ser Arg
1   5   10   15

Glu Tyr Gln Asn
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<210> 1985
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<213> Homo sapiens

<400> 1985
Gly Asp Gly Ser Trp Tyr Arg Ala Leu Val Lys Glu Ile Leu Pro Asn
1   5   10   15

Gly His Val Lys
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<210> 1986
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<213> Homo sapiens

<400> 1986
Glu Glu Ala Glu His Leu Phe Glu Thr Leu Ser Asp Gln Met Trp Arg
1   5   10   15

Gln Phe Thr Asp
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<210> 1987
<211> 20
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<213> Homo sapiens

<400> 1987
Gln Ala Ile Ile Gln Gly Phe Ser Tyr Asp Leu Leu Lys Lys Ile Asp
1   5   10   15

Ser Pro Gln Arg
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<210> 1988
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1988
Leu Lys Lys Ala His Arg Arg Val His Thr Ser Leu Gln Leu Ile Thr
1   5   10   15

Lys Val Gly Glu
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<210> 1989
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1989
Thr Pro Val Trp Pro Ile Pro Arg Ser Ser Leu Glu Tyr Arg Ala Ser
1   5   10   15

Ser Arg Leu Lys
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<210> 1990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1990
Arg Arg Ile Leu Phe Ile Lys His Phe Ile Ile Tyr Ser Ile Pro Arg
1   5   10   15

Tyr Val Arg Asp
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<210> 1991
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1991
Leu Leu Tyr Glu Gln Ala Gln Glu Glu Ile Thr Arg Leu Arg Arg Glu
1   5   10   15

Met Met Lys Ser
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<210> 1992
<211> 20
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<213> Homo sapiens

<400> 1992
Ile Met His Ser Arg Tyr Arg Ala Gln Arg Phe Trp Ser Trp Val Gly
1   5   10   15

Gln Ala Asn Asp
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<210> 1993
<211> 20
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<213> Homo sapiens

<400> 1993
Ala Val Gln Val Glu Leu Glu Pro Val Asn Ala Gln Ala Arg Lys Ala
1   5   10   15

Phe Ser Arg Gln
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<210> 1994
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1994
His Pro Thr Asn Pro Asn Leu Leu Ser Pro Ala Ser Phe Phe Ser Ser
1   5   10   15

Trp Gln Ile Val

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<210> 1995
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1995
Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
1 5 10 15

Lys His Glu Asp
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<210> 1996
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1996
Phe Ala Glu Ser Ser Asp Leu Thr Arg His Arg Arg Ile His Thr Gly
1 5 10 15

Glu Arg Pro Phe
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<210> 1997
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1997
His Met Ala Asp Met Val Thr Trp Leu Lys Glu Thr Glu Val Val Gln
1 5 10 15

Gly Lys Asp Arg
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<210> 1998
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1998
Ser Gln Ala Ser Tyr Lys Ile Val Ile Glu Gly Lys Pro Tyr Thr Val
1 5 10 15

Asn Leu Met Gln
            20

<210> 1999
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1999
Ile Trp Thr Asn Lys Asn Leu Ile Val Val Asp Asp Val Arg Lys Ser
1   5   10   15

Val His Leu Tyr
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<210> 2000
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2000
Glu Ser Arg Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu
1   5   10   15

Asp Ser Tyr Gln
            20

<210> 2001
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2001
Val Ser Asp Leu Ile Asp Ser Phe Leu Arg Asn Leu His Ser Val Thr
1   5   10   15

Gly Thr Leu Met
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<210> 2002
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2002
Ser Ile Asp Asp Leu Ser Phe Tyr Val Asn Arg Leu Ser Ser Leu Val
1   5   10   15

Ile Gln Met Ala
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<210> 2003
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2003
Met Lys Gly Lys Gly Thr Arg Asp Lys Val Leu Ile Arg Ile Met Val
1   5   10   15

Ser Arg Ser Glu
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<210> 2004
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2004
Ser Ala Thr Glu Lys Val Phe Lys Gln Gln Glu Ile Pro Ser Val Phe
1   5   10   15

Pro Lys Thr Ser
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<210> 2005
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2005
Pro Ala Asp Pro Ala Gln Leu Ala Ala Gln Met Leu Gly Lys Val Ser
1   5   10   15

Ser Ile His Ser
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<210> 2006
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2006
Ala Leu Ile Gln Pro Val Asp Thr Ile Ser Ile Ser Ser Leu Arg Gln
1   5   10   15

Phe Glu Thr Val
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<210> 2007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2007
Ile Asp Gln Lys Asn Leu Asn Gly Lys Ser Gln Tyr Tyr Ile Met Phe
1   5   10   15

Gly Pro Asp Ile
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<210> 2008
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2008
Ala Val His Gln Gln Gln Leu Leu Ser Trp Glu Glu Asp Arg Gln Lys
1   5   10   15

Val Leu Thr Leu
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<210> 2009
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2009
Leu Gln Gln Ser Leu Asn Gln Asp Phe His Gln Lys Thr Ile Val Leu
1   5   10   15

Gln Glu Gly Asn
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<210> 2010
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2010
Leu Gln Glu Ser Gln Lys Gln Leu Leu Gln Glu Ala Glu Val Trp Lys
1   5   10   15

Glu Gln Val Ser
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<210> 2011
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2011
Glu Glu Pro Gly Val Thr Pro Gln Pro Tyr Leu Gly Leu Leu Leu Glu
1   5   10   15

Glu Leu Arg Arg
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<210> 2012
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2012
Val Leu Gln Phe His Ala Leu Glu Glu Asn Val Met Val Ala Ser Glu
1   5   10   15

Asp Ser Lys Leu
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<210> 2013
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2013
Arg Asp Glu Met Ala Ala Ala Arg Gly Ala Leu Lys Lys Asn Ala Thr
1   5   10   15

Met Leu Tyr Thr
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<210> 2014
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2014
Gln Asn Glu Thr Ser Tyr Ser Arg Val Leu His Gly Tyr Ala Ala Gln
1 5 10 15

Gln Leu Pro Ser
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<210> 2015
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2015
Arg Leu Phe Leu Lys Gly Asn Leu Leu Arg Gly Ile Asp Ser Leu Phe
1 5 10 15

Ser Ala Pro Met
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<210> 2016
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2016
Asn Ser Tyr Asn Val Arg Arg Thr Glu Gly Phe Ser Val Thr Leu Asp
1 5 10 15

Asp Leu Ala Pro
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<210> 2017
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2017
Phe Gly Val Glu Leu Pro Gly Asn Glu Glu Phe Gln Val Val Lys Asp

1 5 10 15

Ala Val Leu Asp
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<210> 2018
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2018
Leu Ser Lys Ser Asn Asn Arg Leu Lys Ser Leu Ser Ile Gln Tyr Leu
1 5 10 15

Glu Leu Asp Arg
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<210> 2019
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2019
Gln Leu Ala Glu Ile Asp Ile Lys Leu Gln Glu Leu Ser Ala Ala Ser
1 5 10 15

Pro Thr Ile Ser
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<210> 2020
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2020
Thr Lys Leu Glu Ile Ser Gly Asp Glu Phe Leu Asn Phe Leu Leu Lys
1 5 10 15

Leu Asn Lys Gln
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<210> 2021
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2021
Asp Lys Tyr Trp Arg Glu Tyr Ile Leu Ser Leu Glu Glu Leu Val Asn
1   5   10   15

Gly Met Tyr Arg
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<210> 2022
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2022
Arg Asn Gln Pro Leu Thr Phe Ala Leu Gln Leu His Asp Pro Ser Gly
1   5   10   15

Tyr Leu Ala Glu
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<210> 2023
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2023
Gly Thr Leu Asp Leu Val Ala Val Ser Ser Val Lys Gln Asn Ile Ile
1   5   10   15

Val Thr Thr Glu
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<210> 2024
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2024
Pro His Ala Pro Gly Val Gln Met Gln Ala Ile Pro Glu Asp Ala Val
1   5   10   15

His Glu Asp Ser
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<210> 2025

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2025
Ser Ser Asn Ala Tyr Asn Ser Arg Tyr Trp Ser Asn Asn Pro Lys Val
1   5   10   15

His Arg Asn Thr
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<210> 2026
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2026
Ala Lys Ile Asn Lys Lys Lys Ser Leu Val Ser Phe Lys Ala Leu Ile
1   5   10   15

Glu Glu Ser Glu
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<210> 2027
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2027
Asn Asp Ile Ala Ser Met Asn Leu Gln Ala His Leu Ile Pro Gly Leu
1   5   10   15

Asn Leu Asn Ala
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<210> 2028
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2028
Leu Leu Gly Ser Glu Asn Asp Gly Thr Lys Ile Ala Ala Ser Gln Ala
1   5   10   15

Ile Ser Ala Met
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<210> 2029
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2029
Glu Thr Arg Leu Ala Leu Val Gln Arg Asn Val Ala Ile Met Lys Ser
1   5   10   15

Ile Ile Pro Ala
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<210> 2030
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2030
Leu Gln Asn Phe Val Arg Ile Leu Leu Asn Glu Glu Asp Met Asn Val
1   5   10   15

Ile Val Val Asp
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<210> 2031
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2031
Gln Gly Ala Ser Ala Phe Pro Thr Thr Ile Asn Phe Thr Arg Gln Arg
1   5   10   15

Gln Pro Ser Glu
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<210> 2032
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2032
Ile Thr Lys Ala Glu Ile Leu Glu Ser Val Ile Arg Asn Tyr Glu Asp
1   5   10   15

His Phe Pro Leu
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<210> 2033
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2033
Phe Gly Glu Pro Lys Arg Leu Leu Thr Gln Asn Trp Val Gln Glu Lys
1   5   10   15

Tyr Leu Val Tyr
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<210> 2034
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2034
Ala Ser Glu Glu Glu Ile Trp Glu Glu Leu Gly Val Met Gly Val Tyr
1   5   10   15

Asp Gly Arg Glu
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<210> 2035
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2035
Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val
1   5   10   15

Thr Lys Ala Glu
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<210> 2036
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2036

Met Leu Leu Gly Gln Lys Ser Gln Arg Tyr Lys Ala Glu Glu Gly Leu
1   5   10   15

Gln Ala Gln Gly
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<210> 2037
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2037
Asn Leu Ser Asn Asp Trp Asp Phe Pro Arg Asn Gly Leu Leu Met Pro
1   5   10   15

Leu Leu Gly Val
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<210> 2038
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2038
Ser Leu Leu Ser Ser Trp Asp Phe Pro Arg Arg Lys Leu Leu Met Pro
1   5   10   15

Leu Leu Gly Val
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<210> 2039
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2039
Val Asp Val Ser Tyr Lys Lys Ser Tyr Lys Gly Ala Asn Ser Lys Ile
1   5   10   15

Glu Lys Lys Gln
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<210> 2040
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2040
Ala Arg Pro Arg Val Ala Ala Arg Arg Gly Thr Thr Ala Met Thr Ser
1   5   10   15

Ala Tyr Ser Arg
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<210> 2041
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2041
Pro Gln Ser Pro Leu Gln Gly Glu Glu Phe Gln Ser Ser Leu Gln Ser
1   5   10   15

Pro Val Ser Ile
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<210> 2042
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2042
Ala Ser Glu Glu Val Ile Trp Glu Val Leu Asn Ala Val Gly Val Tyr
1   5   10   15

Ala Gly Arg Glu
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<210> 2043
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2043
His Glu Ser Leu Ser Ser Phe Glu Leu Ser Ala Ser Arg Arg Gly Gln
1   5   10   15

Lys Arg Asn Ile
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<210> 2044
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2044
Val Lys Asp Leu Leu Lys Gly Gln Ser Arg Leu Ile Phe Thr Tyr Gly
1   5   10   15

Leu Thr Asn Ser
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<210> 2045
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2045
Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln Leu Ser Thr
1   5   10   15

Gly Val Ser Phe
            20

<210> 2046
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2046
Glu Val Leu Phe Tyr Gln Pro Asp Leu Lys Tyr Leu Ser Phe Thr Leu
1   5   10   15

Thr Lys Leu Ser
            20

<210> 2047
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2047
Lys Glu Asn Phe Thr Gly Ser Glu Thr Leu Lys His Leu Val Leu Gln
1   5   10   15

Phe Leu Gln Gln

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<210> 2048
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2048
Gln Glu Lys Glu Asn Lys Tyr Phe Glu Asp Ile Lys Ile Leu Lys Glu
1 5 10 15

Lys Asn Ala Glu
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<210> 2049
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2049
Ser Trp Asp Val Asp Asp Leu Leu Leu Trp Lys Lys Ile His Arg Met
1 5 10 15

Val Ile Leu Thr
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<210> 2050
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2050
Glu Lys Ser Glu Glu Tyr Ala Glu Gln Leu His Val Gln Leu Ala Asp
1 5 10 15

Lys Asp Leu Tyr
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<210> 2051
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2051
Gln Lys Gln Pro Asn Thr Leu Arg His Val Val Ile Pro Asp Leu Gln
1 5 10 15

Ser Ser Glu Ala
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<210> 2052
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2052
Arg Gly Thr Thr Glu Ile Gly Met Ile Gly Ser Lys Pro Phe Ser Thr
1   5   10   15

Val Lys Tyr Lys
            20

<210> 2053
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2053
Lys Ser Ile Gly Arg Gly Tyr Asn Pro Arg Leu Thr Val Ile Val Val
1   5   10   15

Lys Lys Arg Val
            20

<210> 2054
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2054
Tyr His Asp Pro Ser Arg Gly Met Arg Ser Val Val Gly Phe Val Ala
1   5   10   15

Ser Ile Asn Leu
            20

<210> 2055
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2055
Ser Pro Asn Asn Phe Thr Leu Ala Phe Ile Val Val Lys Lys Arg Ile
1   5   10   15

Asn Thr Arg Phe
            20

<210> 2056
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2056
Met Ser Gly Arg Ala Arg Val Lys Ala Arg Gly Ile Ala Arg Ser Pro
1   5   10   15

Ser Ala Thr Glu
            20

<210> 2057
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2057
Asp Val Leu Leu Ala Gln Glu Val Arg Pro Arg Arg Trp Lys Leu Gln
1   5   10   15

Val Leu Asp Leu
            20

<210> 2058
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2058
Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu Thr Tyr Glu
1   5   10   15

Leu Val Glu Lys
            20

<210> 2059
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2059
Arg Ser Val Tyr Ser Lys Gln Pro Tyr Thr Glu Tyr Ile Ser Thr Arg
1   5   10   15

Trp Tyr Arg Ala
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<210> 2060
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2060
Lys Met Glu Asn Val Gln Pro Ala Pro Asp Asn Val Leu Leu Thr Leu
1   5   10   15

Arg Pro Arg Arg
            20

<210> 2061
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2061
Leu Ala Leu Trp Glu Ala Tyr Arg Glu Phe Glu Ser Ala Ile Val Glu
1   5   10   15

Ala Ala Arg Leu
            20

<210> 2062
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2062
Thr Glu Lys Glu Asn Lys Met Lys Asp Leu Thr Phe Leu Leu Glu Glu
1   5   10   15

Ser Arg Asp Lys
            20

<210> 2063
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2063
Glu Tyr Ser Gln Gln Phe Leu Thr Leu Phe Gln Gln Trp Asp Leu Asp
1   5   10   15

Met Gln Lys Ala
            20

<210> 2064
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2064
Ala His Glu Trp Ala Arg Ala Ile Ile Glu Ser Asp Gln Glu Gln Gly
1   5   10   15

Arg Lys Leu Arg
            20

<210> 2065
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2065
Gln Asp Leu Gln Arg Glu Ile Ser Ile Leu Gln Glu Gln Ile Ser His
1   5   10   15

Leu Gln Phe Val
            20

<210> 2066
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2066
Ile Lys Glu Gly Leu Ile Thr Ala Asp Ala Glu Gly Asp Phe Ile Asp
1   5   10   15

Ala Arg Pro Gly
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<210> 2067
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2067
Asp Gln Asp Thr Val Met Lys Ala Ile Gln Glu Ala Arg Lys Met Arg
1 5 10 15

Glu Gln Ile Gln
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<210> 2068
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2068
Gln Leu Ala Asn Asp Ser Val Asn Arg Leu Ser Arg Ile Leu Met Glu
1 5 10 15

Leu Asp Gly Pro
20

<210> 2069
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2069
Asp Val Leu Gln Gly Glu Leu Glu Ala Val Lys Gln Ala Lys Leu Lys
1 5 10 15

Leu Glu Glu Lys
20

<210> 2070
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2070
Thr Ala Val Ala Val Pro Ser Asn Ile Gln Gly Ile Arg Asn Leu Val

1 5 10 15

Thr Asp Ala Lys
20

<210> 2071
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2071
Ser Glu Glu Tyr Leu Glu Arg Gln Leu Gln Ala Glu Phe Ile Glu Ser
1 5 10 15

Gly Gln Tyr Arg
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<210> 2072
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2072
Lys Trp Asp Pro Val Val Pro Phe Arg Asn Glu Ser Ala Val Thr Gly
1 5 10 15

Tyr Lys Met Leu
20

<210> 2073
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2073
Lys Tyr Thr Ser Asp Asp Phe Trp Tyr Arg Ala Val Val Leu Gly Thr
1 5 10 15

Ser Asp Thr Asp
20

<210> 2074
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2074
Tyr Arg Tyr Leu Asn Ser Trp Arg Pro Ser Leu Phe Tyr Lys Ile Ala
1   5   10   15

Asn Val Gln Thr
            20

<210> 2075
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2075
Thr Gly Leu Lys Arg Leu Ser Ser Phe Ile Gly Ala Gly Ser Pro Ser
1   5   10   15

Leu Val Lys Ala
            20

<210> 2076
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2076
Asn Asp Lys Asn Ser Lys Val Leu Met Gln Asn Ala Ala Thr Tyr Trp
1   5   10   15

Asn Glu Leu Pro
            20

<210> 2077
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2077
Arg Lys Arg Arg Arg Arg Arg Arg Leu Met Glu Leu Ala Glu Pro Lys
1   5   10   15

Ile Asn Trp Gln
            20

<210> 2078

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2078
Gln Val Lys His Leu Tyr Asn Trp Asn Leu Pro Pro Arg Arg Ile Leu
1   5   10   15

Phe Ile Lys His
            20

<210> 2079
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2079
Ile Lys Leu Asp Ser Ser Lys Glu Leu Leu Asn Arg Gln Leu Val Ala
1   5   10   15

Lys Asp Gln Glu
            20

<210> 2080
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2080
Ala Asp Gly Met Trp Pro Gln Phe Arg Thr Ile Gln Glu Lys Glu Val
1   5   10   15

Ile Ile Leu Asn
            20

<210> 2081
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2081
Phe Phe Asn Trp Phe Ser Asp His Asn Phe Ala Gly Ser Asn Lys Ile
1   5   10   15

Ala Glu Ile Leu
            20

<210> 2082
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2082
Pro Trp His Arg Leu Phe Leu Leu Arg Trp Glu Gln Glu Ile Gln Lys
1   5   10   15

Leu Thr Gly Asp
            20

<210> 2083
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2083
Leu Gln Pro Val Glu Thr Lys Ala His Phe Asp Ser Ser Glu Pro Gln
1   5   10   15

Leu Leu Trp Asp
            20

<210> 2084
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2084
Tyr Leu Pro Arg Asp Val Leu Ala Gln Leu Pro Ser Leu Arg His Leu
1   5   10   15

Asp Leu Ser Asn
            20

<210> 2085
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2085
Ser Ile Ile Lys Glu Gly Ile Glu Ser Gln Ala Ser Tyr Lys Ile Val
1   5   10   15

Ile Glu Gly Lys
            20

<210> 2086
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2086
Lys Val Leu Leu Phe Gly Leu Glu Ile Trp Thr Asn Lys Asn Leu Ile
1   5   10   15

Val Val Asp Asp
            20

<210> 2087
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2087
Glu Gly Leu Ser Pro Asn Leu Asn Arg Phe Leu Gly Asp Arg Asp Phe
1   5   10   15

Asn Gln Phe Ser
            20

<210> 2088
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2088
Ala Gln Asp Lys Ala Glu Ser Tyr Ser Leu Ile Ser Met Lys Gly Met
1   5   10   15

Gly Asp Pro Lys
            20

<210> 2089
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2089

Arg Asn Gln Ser Leu Glu Phe Ser Thr Met Lys Ala Glu Met Lys Glu
1   5   10   15

Arg Asp Lys Gly
            20

<210> 2090
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2090
Ala Lys Gly Arg Arg Ala Glu Asp Gly Ser Val Ile Asp Tyr Glu Leu
1   5   10   15

Ile Asp Gln Asp
            20

<210> 2091
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2091
Pro Ser Val Phe Pro Lys Thr Ser Ile Ser Pro Leu Asn Val Val Gln
1   5   10   15

Gly Ala Ser Val
            20

<210> 2092
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2092
Tyr Arg Gly Asn Thr Thr Met Asp Ile Lys Asp Leu Val Lys Gln Phe
1   5   10   15

His Gln Ile Lys
            20

<210> 2093
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2093
Glu Arg Pro Glu Ile Val Ser Thr Trp Ser Ser Ala Gly Ile Ser Trp
1   5   10   15

Arg Ser Glu Ala
            20

<210> 2094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2094
Thr Gln Asn Gly Arg Phe Tyr Ala Ile Ser Ala Arg Phe Lys Pro Phe
1   5   10   15

Ser Asn Lys Gly
            20

<210> 2095
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2095
Gln Glu Arg Thr Asn Ser Glu Leu His Asn Leu Arg Gln Ile Tyr Val
1   5   10   15

Lys Gln Gln Ser
            20

<210> 2096
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2096
Tyr Ala Lys Ile Asp Glu Lys Thr Ala Glu Leu Lys Arg Lys Met Phe
1   5   10   15

Lys Met Ser Thr
            20

<210> 2097
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2097
Glu Glu Lys Leu Ser Lys Val Asp Glu Met Ile Ser His Ala Thr Glu
1   5   10   15

Glu Leu Glu Thr
            20

<210> 2098
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2098
Leu Leu Leu Glu Glu Leu Arg Arg Val Val Ala Ala Leu Pro Glu Gly
1   5   10   15

Met Arg Pro Asp
            20

<210> 2099
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2099
Gln Glu Gly Val Gln Val Val Val Gln Gln Pro Gly Pro Gly Leu Leu
1   5   10   15

Trp Leu Glu Glu
            20

<210> 2100
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2100
Pro Lys Ser Leu Glu Ile Arg Thr Leu Thr Val Glu Arg Leu Leu Glu
1   5   10   15

Pro Leu Val Thr

20

<210> 2101
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2101
Asn Thr Leu Phe Val Val Asp Val Gln Thr Ser Gln Ile Thr Lys Ile
1 5 10 15

Pro Ile Leu Lys
20

<210> 2102
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2102
Ala Ala Pro Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu
1 5 10 15

Thr Gly Leu Gln
20

<210> 2103
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2103
Gly Lys Ile Pro Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg
1 5 10 15

Lys Phe Thr Ser
20

<210> 2104
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2104
Leu Lys Phe Val Ser Ser Leu Arg Arg Gln Phe Glu Phe Ser Val Asp
1 5 10 15

Ser Phe Gln Ile
            20

<210> 2105
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2105
Ala Lys Leu Ala Arg Gln Ala Thr Asn Leu Lys Val Asn Phe Phe Phe
1   5   10   15

Glu Arg Ile Met
            20

<210> 2106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2106
Thr Gln Ile Pro Pro Glu Glu Tyr Glu Met Gln Met Gln Lys Leu Asn
1   5   10   15

Lys Asp Phe Thr
            20

<210> 2107
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2107
Ile Ala Lys Arg Asn Lys His His Glu Ile Phe Asn Leu Leu Ser Phe
1   5   10   15

Thr Leu Asn Pro
            20

<210> 2108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2108
Asn Tyr Thr Asn Ala Met Phe Lys Asn Asn Tyr Pro Ser Leu Thr Pro
1   5   10   15

Gln Ala Phe Glu
            20

<210> 2109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2109
Val Asn Asn Thr Ile Ile Asn Gly Ser Gln Val Trp Gly Gly Gln Pro
1   5   10   15

Val Tyr Pro Gln
            20

<210> 2110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2110
Lys Thr Gly Lys Val Arg Ile Leu Ile Ala Thr Asp Leu Ala Ser Arg
1   5   10   15

Gly Leu Asp Val
            20

<210> 2111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2111
Asp Val Asp Lys Leu His Phe Thr Pro Arg Ile Gln Arg Leu Asn Glu
1   5   10   15

Leu Glu Ala Gln
            20

<210> 2112
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2112
Gly Pro Pro Glu Ala Gln Phe Lys Ala Gln Gly Arg Ile Tyr Gly Lys
1   5   10   15

Ile Lys Glu Glu
            20

<210> 2113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2113
Leu Ala Asn Met Ser Ala Glu Tyr Thr Ser Lys Val Gln Ile Phe Glu
1   5   10   15

His Gly Gly Leu
            20

<210> 2114
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2114
Gly Thr Asp Ser Asp Lys Glu His Trp Lys Asn Ile His Lys Gln Val
1   5   10   15

Ile Gln Ser Ala
            20

<210> 2115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2115
Leu Glu Phe Ser Gln Leu Ser Val Lys Asp Ser Phe Arg Asp Leu Phe
1   5   10   15

Ile Pro Arg Ile
            20

<210> 2116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2116
Ala Leu Ala Glu Thr Ser Tyr Val Lys Val Leu Glu Tyr Val Ile Lys
1   5   10   15

Val Ser Ala Arg
            20

<210> 2117
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2117
Glu Ser Val Ile Arg Asn Tyr Glu Asp His Phe Pro Leu Leu Phe Ser
1   5   10   15

Glu Ala Ser Glu
            20

<210> 2118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2118
Arg Ala His Ala Glu Thr Ser Lys Met Lys Val Leu Glu Tyr Ile Ala
1   5   10   15

Asn Ala Asn Gly
            20

<210> 2119
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2119
Pro Asp Ala Glu Ser Leu Phe Arg Glu Ala Leu Ser Asn Lys Val Asp
1   5   10   15

Glu Leu Ala His
            20

<210> 2120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2120
Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Lys
1   5   10   15

Leu Val His Phe
            20

<210> 2121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2121
Glu Glu Ile Trp Lys Phe Met Asn Val Leu Gly Ala Tyr Asp Gly Glu
1   5   10   15

Glu His Leu Ile
            20

<210> 2122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2122
Arg Gly Gln Lys Ser Lys Leu Arg Ala Arg Glu Lys Arg Arg Lys Ala
1   5   10   15

Arg Asp Glu Thr
            20

<210> 2123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2123
Glu Phe Leu Asn Lys Met Arg Ile Tyr Asp Gly Lys Lys His Phe Ile

1 5 10 15

Phe Gly Glu Pro
20

<210> 2124
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2124
Gly Glu Pro Arg Lys Leu Ile Thr Gln Asp Leu Val Gln Glu Lys Tyr
1 5 10 15

Leu Glu Tyr Gln
20

<210> 2125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2125
Asp Asp Ser Thr Ala Thr Glu Ser Ala Ser Ser Ser Val Met Ser Pro
1 5 10 15

Ser Phe Ser Ser
20

<210> 2126
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2126
Leu Leu Val Ile Tyr Asn Leu Lys Leu Leu Leu Asn Gly Glu Pro Glu
1 5 10 15

Leu Asp Val Lys
20

<210> 2127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2127
Leu Pro Arg Thr Leu Asn Val Leu Phe Asp Ser Leu Gln Glu Arg Leu
1   5   10   15

Tyr Thr Lys Met
            20

<210> 2128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2128
Leu Phe Glu Met Gln Asp Pro Ala Phe Val Lys Gln Ala Val Asn Leu
1   5   10   15

Leu Gln Glu Ala
            20

<210> 2129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2129
Phe Phe Val Gln Asp Ala Ser Ala Ala Ser Ala Leu Lys Asp Val Ser
1   5   10   15

Tyr Lys Ile Tyr
            20

<210> 2130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2130
Lys Lys Glu Ile Ala Met Leu Lys Leu Glu Ile Ala Thr Leu Lys His
1   5   10   15

Gln Tyr Gln Glu
            20

<210> 2131

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2131
Leu Thr Phe Val Met Pro Asn Asp Tyr Thr Lys Phe Val Ala Glu Tyr
1   5   10   15

Phe Gln Glu Arg
            20

<210> 2132
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2132
Glu Met Asp Gly Ala Ala Ala Ala Lys Gln Val Met Ala Leu Lys Asp
1   5   10   15

Thr Ile Gly Lys
            20

<210> 2133
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2133
Lys Asp Glu Val Tyr Gln Lys Ile Ile Leu Lys Phe Pro Leu Leu Asn
1   5   10   15

Ser Glu Thr His
            20

<210> 2134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2134
Asn Leu Arg Asp Asn Pro Phe Arg Thr Thr Gln Thr Arg Arg Arg Asp
1   5   10   15

Asp Lys Glu Leu
            20

<210> 2135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2135
Gln Glu Thr Ala Gln Leu Val Gly Ser Thr Ala Ser Gln Gln Pro Gly
1   5   10   15

Tyr Ile Gln Pro
            20

<210> 2136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2136
Ala Met Asp Gln Ala Arg Glu Leu Val Asn Met Leu Glu Lys Ile Ala
1   5   10   15

Gly Pro Ile Gly
            20

<210> 2137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2137
Ser His Arg Glu Ala Met Ser Leu Lys Gly His Leu Gln Ser Val Thr
1   5   10   15

Ala Pro Met Gly
            20

<210> 2138
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2138
Ala Arg Leu Val Asp Asn Ile Gln Arg Asn Thr Asn Ala Arg Phe Glu
1   5   10   15

Leu Glu Thr Trp
            20

<210> 2139
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2139
Ser Gln Leu Thr Thr Leu Ser Phe Tyr Gly Asn Ser Ile Ser Ile Ser
1   5   10   15

Ala Leu Gln Ser
            20

<210> 2140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2140
Trp Asn Leu Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg Arg
1   5   10   15

Pro Arg Trp Leu
            20

<210> 2141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2141
Gly Glu Gly Thr Phe Ser Glu Val Met Lys Met Gln Ser Leu Arg Asp
1   5   10   15

Gly Asn Tyr Tyr
            20

<210> 2142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2142

Met Ser Thr Arg Asp Gln Tyr Ala Ala Val Thr His Asn Ile Arg Glu
1   5   10   15

Glu Lys Ile Asn
            20

<210> 2143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2143
Leu Asp Arg Gln Leu Lys Val Lys Asp Leu Val Leu Ser Val His Asn
1   5   10   15

Arg Ala Ile Arg
            20

<210> 2144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2144
Gln Glu Asn Arg Lys Ile Ile Glu Ala Gln Arg Lys Ala Ile Gln Glu
1   5   10   15

Leu Gln Phe Gly
            20

<210> 2145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2145
Met Phe Arg Gln Gln Gln Lys Ile Leu Gln Gln Ser Arg Ile Val Gln
1   5   10   15

Ser Gln Arg Leu
            20

<210> 2146
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2146
Ser Leu Asp Leu Leu Met Lys Lys Ile Lys Gly Lys Asp Leu Gln Leu
1   5   10   15

Leu Glu Met Asn
            20

<210> 2147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2147
Glu Pro His Ile Lys Arg Pro Met Asn Ala Phe Met Val Trp Ala Lys
1   5   10   15

Asp Glu Arg Arg
            20

<210> 2148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2148
Ile Ile Glu Ala Lys Met Glu Leu Glu Glu Val Thr Arg Leu Leu Asn
1   5   10   15

Leu Lys Asp Lys
            20

<210> 2149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2149
Ser Val Thr Lys Ala Glu Arg Ser His Leu Ile Val Trp Gln Val Met
1   5   10   15

Tyr Gly Asn Glu
            20

<210> 2150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2150
Ile Thr Gly Lys Gly Val Pro Asp Leu Asn Thr Arg Leu Leu Val Lys
1   5   10   15

Lys Leu Trp Asp
            20

<210> 2151
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2151
Pro Leu Lys Asn Val Arg Lys Lys Arg Phe Arg Lys Thr Gln Lys Lys
1   5   10   15

Val Pro Asp Val
            20

<210> 2152
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2152
Ser Ser Ser Leu Ser Ile Lys Trp Asp Pro Val Val Pro Phe Arg Asn
1   5   10   15

Glu Ser Ala Val
            20

<210> 2153
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2153
Gln Lys Lys Ala His Val Leu Tyr Ile Asp Tyr Gly Asn Glu Glu Ile
1   5   10   15

Ile Pro Leu Asn

20

<210> 2154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2154
Glu Leu Asp Arg Leu Leu Thr Glu Asn Gln Asn Leu Glu Thr Val Lys
1 5 10 15

Arg Arg Leu Glu
20

<210> 2155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2155
Phe Asp Asp Trp Asp Trp Gln Asn Gly Ser Leu Ser Ser Leu Ser Leu
1 5 10 15

Pro Glu Ser Thr
20

<210> 2156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2156
Gln His Ser Val Glu Tyr Glu Gly Asn Ile His Thr Ser Leu Ala Ile
1 5 10 15

Ala Gln Lys Leu
20

<210> 2157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2157
Ala Ala Gln Met Ala Val Pro Ser Ser Arg Ile Leu Gln Leu Ser Lys
1 5 10 15

Pro Lys Ala Pro
            20

<210> 2158
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2158
Asp Ile Lys Leu Leu Arg Asn Ile Pro Arg Trp Thr His Leu Leu Arg
1   5   10   15

Leu Leu Arg Leu
            20

<210> 2159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2159
Glu Glu Ser Glu Asn Arg Gln Met Met Glu Gln Leu Arg Lys Ala Asn
1   5   10   15

Glu Asp Ala Glu
            20

<210> 2160
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2160
Ser Ala Lys Glu Gly Thr Ala Phe Arg Met Glu Ala Val Gln Glu Gly
1   5   10   15

Ala Ala Gly Val
            20

<210> 2161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2161
Thr Glu Arg Arg Leu Leu Val Arg Arg Asn Ile Phe Asp Leu Ser Ala
1   5   10   15

Pro Glu Lys Asp
            20

<210> 2162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2162
Ala Gln Asp Glu Gly Phe Gly Lys Ile Leu Thr His Lys Asn Thr Val
1   5   10   15

Arg Gly Glu Ile
            20

<210> 2163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2163
Ser Ser Ser Ala Pro Phe Leu Ala Ser Ala Val Ser Ala Gln Pro Pro
1   5   10   15

Leu Pro Asp Gln
            20

<210> 2164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2164
Gly Leu Arg Gly Val Leu Gln Phe Glu Asn Val Ser Tyr Gly Ile Glu
1   5   10   15

Pro Leu Glu Ser
            20

<210> 2165
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2165
Glu Ile Pro Asn Met Ser Asp His Thr Thr Val His Trp Ala Arg Phe
1   5   10   15

Asn Asp Ile Met
            20

<210> 2166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2166
Val Met Lys Asn Phe Gly Thr Arg Thr Phe Gln Ala Ile Thr Val Thr
1   5   10   15

Lys Leu Ser Gln
            20

<210> 2167
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2167
Gly Arg Arg Asp Ala Arg Ser Phe Val Glu Ala Ala Gly Thr Thr Asn
1   5   10   15

Phe Pro Ala Asn
            20

<210> 2168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2168
Asn Arg Leu Ser Ser Leu Val Ile Gln Met Ala His Lys Glu Ile Lys
1   5   10   15

Glu Lys Leu Glu
            20

<210> 2169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2169
Leu Tyr Tyr Tyr Ile Gln Gln Asp Thr Lys Gly Asp Tyr Gln Lys Ala
1   5   10   15

Leu Leu Tyr Leu
            20

<210> 2170
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2170
Ser Ser Asp Glu Leu Phe Asn Gln Phe Arg Lys Ala Ala Ile Glu Lys
1   5   10   15

Glu Val Lys Ala
            20

<210> 2171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2171
Ile Lys Ile Gly Ser Glu Lys Ser Leu His Leu Glu Val Glu Ile Thr
1   5   10   15

Ser Ile Val Ser
            20

<210> 2172
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2172
Glu Ser Arg Asn Asp Lys Glu Met Leu Gln Leu Gln Phe Lys Lys Ile
1   5   10   15

Lys Ala Asn Tyr
            20

<210> 2173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2173
Lys Ile Asp Gly Gln Ser Ile Glu Ser Gly Ser Ile Glu Tyr Asp Trp
1   5   10   15

Asn Leu Thr Ser
            20

<210> 2174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2174
Asn Gln Lys Ser Leu Phe Lys Asp Gln Lys Phe Glu Ala Met Leu Val
1   5   10   15

Gln Gln Asn Arg
            20

<210> 2175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2175
Ala His Gln Glu Ala Leu Met Lys Leu Glu Arg Leu Asp Ser Val Pro
1   5   10   15

Val Glu Glu Gln
            20

<210> 2176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2176
Ser Glu Asn Gln Lys Leu Gln Gln Lys Leu Lys Val Met Thr Glu Leu

1 5 10 15

Tyr Gln Glu Asn
20

<210> 2177
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2177
Met Lys Leu His Arg Lys Leu Thr Val Glu Glu Asn Tyr Arg Leu Glu
1 5 10 15

Lys Glu Glu Lys
20

<210> 2178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2178
Ser Tyr Ala Ser Arg Asp Thr Tyr Lys Leu Lys Arg His Met Arg Thr
1 5 10 15

His Ser Gly Glu
20

<210> 2179
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2179
Gln Val Glu Val Ala Ile Glu Ala Leu Ser Ala Asn Val Pro Gln Pro
1 5 10 15

Phe Glu Glu Asn
20

<210> 2180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2180
Lys Ser Asp Ala Arg His Asn Val Ser Arg Val Pro Val Tyr Ala His
1   5   10   15

Ile Thr His Lys
            20

<210> 2181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2181
His Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro
1   5   10   15

Arg Arg Arg Ser
            20

<210> 2182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2182
Gly Thr Asn Phe Gln Lys Arg Leu Phe Thr Lys Ile Asp Thr Ile Ala
1   5   10   15

Pro Asp Glu Ile
            20

<210> 2183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2183
Lys Glu Ser Tyr Pro Val Val Val Ala Glu Ser Met Tyr Gly Asp Phe
1   5   10   15

Gln Glu Ala Met
            20

<210> 2184

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2184
Asn Pro Tyr Asn Ala Val Leu Thr Lys Lys Phe Gln Val Thr Met Arg
1   5   10   15

Gly Leu Leu Ser
            20

<210> 2185
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2185
Ala Trp Gln Ser Lys Glu Glu Met Glu Asn Thr Lys Lys Phe Leu Ser
1   5   10   15

Leu Thr Ala Val
            20

<210> 2186
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2186
Gly Ala Glu Val Asn Thr Gln Asp Glu Asn Gly Tyr Thr Ala Leu Thr
1   5   10   15

Trp Ala Ala Arg
            20

<210> 2187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2187
Lys Val Phe Gly Asn Phe Pro Lys Leu Ile Met Thr Gln Val Ser Lys
1   5   10   15

Ser Leu Gln Val
            20

<210> 2188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2188
Phe Ser Val Pro Gln Leu Pro His Ser Ser Ser His Trp Leu Arg Leu
1   5   10   15

Pro Arg Ile Phe
            20

<210> 2189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2189
Leu Lys Asn Ile Thr Tyr Leu Val Leu Asp Glu Ala Asp Lys Met Leu
1   5   10   15

Asp Met Gly Phe
            20

<210> 2190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2190
Gln Thr Arg Val Lys Leu Asn Phe Leu Asp Gln Ile Ala Lys Tyr Trp
1   5   10   15

Glu Leu Gln Gly
            20

<210> 2191
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2191
His Ser Val Pro Lys Arg Gln Arg Ile Arg Lys Leu Gln Ile Arg Asn
1   5   10   15

Ile Pro Pro His
            20

<210> 2192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2192
Gly Ser Lys Asp Phe Phe Asn Asn Gln Gly Ile Pro Gln Leu Ile Gln
1   5   10   15

Leu Leu Lys Ser
            20

<210> 2193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2193
Met Ser Thr Val Lys Glu Gln Leu Ile Glu Lys Leu Ile Glu Asp Asp
1   5   10   15

Glu Asn Ser Gln
            20

<210> 2194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2194
Ala Lys Phe Val Asp Val Ile His Ser Asp Ser Asn Gly Leu Gly Ile
1   5   10   15

Gln Glu Pro Leu
            20

<210> 2195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2195

His Ala Glu Ile Arg Lys Met Ser Leu Leu Lys Phe Leu Ala Lys Val
1   5   10   15

Asn Gly Ser Asp
            20

<210> 2196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2196
Val Tyr Ala Gly Arg Glu His Phe Leu Phe Gly Glu Pro Lys Arg Leu
1   5   10   15

Leu Thr Gln Asn
            20

<210> 2197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2197
Lys Ile Ser Gly Gly Pro Arg Ile Ser Tyr Pro Leu Leu His Glu Trp
1   5   10   15

Ala Leu Arg Glu
            20

<210> 2198
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2198
Arg Ser Ser Val Arg Ala Arg Arg Arg Thr Thr Ala Thr Thr Phe Arg
1   5   10   15

Ala Arg Ser Arg
            20

<210> 2199
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2199
Val Asp Leu Thr Asp Glu Glu Ser Leu Leu Ser Ser Trp Asp Phe Pro
1   5   10   15

Arg Arg Lys Leu
            20

<210> 2200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2200
Arg Gly Gln Thr Gln Asp His Gln Gly Ala Gln Ile Thr Ala Thr Asn
1   5   10   15

Lys Lys Lys Val
            20

<210> 2201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2201
Ala Glu Lys Glu Glu Ser Pro Ser Ser Ser Ser Ser Val Leu Arg Asp
1   5   10   15

Thr Ala Ser Ser
            20

<210> 2202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2202
Arg Thr His Ser Thr Phe Glu Gly Phe Pro Gln Ser Leu Leu Gln Ile
1   5   10   15

Pro Met Thr Ser
            20

<210> 2203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2203
Pro Met Glu Asp Val Asn Leu Ser Ser Gly His Ile Ala Arg Val Ser
1   5   10   15

Val Ser Gly Ser
            20

<210> 2204
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2204
Glu Asn Asn Glu Gly Leu Arg Ala Phe Leu Leu Thr Ile Glu Asn Glu
1   5   10   15

Leu Lys Asn Glu
            20

<210> 2205
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2205
Tyr Gln Pro Asp Leu Lys Tyr Leu Ser Phe Thr Leu Thr Lys Leu Ser
1   5   10   15

Arg Asp Asp Ile
            20

<210> 2206
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2206
Thr Ile Pro Tyr Gly Ile Lys Tyr Asp Lys Ala Trp Leu Met Asn Ser
1   5   10   15

Ile Gln Ser His

20

<210> 2207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2207
Leu Gln Ser Lys Asn Met Trp Leu Gln Gln Gln Leu Val His Ala His
1 5 10 15

Lys Lys Ala Asp
20

<210> 2208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2208
Arg Gly Lys Ala Pro Asp Pro Gln Ala Gly Asn Phe Val Leu Val Phe
1 5 10 15

Pro Phe Asn Glu
20

<210> 2209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2209
His Lys Ala Glu Val Glu Ala Ile Met Glu Gln Leu Lys Glu Leu Lys
1 5 10 15

Gln Lys Gly Asp
20

<210> 2210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2210
His Asp Ala Ile Gln Asn Gln Gln Asn Ala Leu Glu Leu Met Met Asp
1 5 10 15

His Leu Gln Lys
            20

<210> 2211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2211
Arg Ser Trp Thr Tyr Gly Ile Thr Arg Gly Gly Arg Val Phe Phe Ile
1   5   10   15

Asn Glu Glu Ala
            20

<210> 2212
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2212
Gly Leu Thr Asp Lys Met Arg Asn Asp Phe Asn Val Met Lys Asp Leu
1   5   10   15

Ala Val His Thr
            20

<210> 2213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2213
Glu Asn Tyr Gln Pro Lys Met Val Val Phe Val Val Gln Lys Lys Ile
1   5   10   15

Ser Thr Asn Leu
            20

<210> 2214
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2214
Phe Arg Arg Thr Phe Lys Leu Leu Asp Phe Glu Gln Val Gly Arg Asn
1   5   10   15

Tyr Tyr Thr Lys
            20

<210> 2215
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2215
Ser Ala Thr Glu Val Gly Arg Ile Gln Ala Ser Pro Leu Pro Arg Ser
1   5   10   15

Val Asp Leu Ser
            20

<210> 2216
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2216
Met Pro Met Gln Asp Ile Lys Met Ile Leu Lys Met Val Gln Leu Asp
1   5   10   15

Ser Ile Glu Asp
            20

<210> 2217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2217
Phe Leu Asp Glu Leu Lys Ala Glu Asn Ile Lys Lys Phe Leu Tyr Asn
1   5   10   15

Phe Thr Gln Ile
            20

<210> 2218
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2218
Thr Pro Ala Gln Lys Ile Leu Thr Lys Phe Lys Gln Ser Arg Ala Met
1   5   10   15

Asn Phe Asp Phe
            20

<210> 2219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2219
Asn Asn Ser Gln Pro Ala Pro Gly Asn Ile Leu Ser Thr Ala Pro Pro
1   5   10   15

Trp Leu Arg His
            20

<210> 2220
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2220
Glu Ser Asp Gly Asp Glu Tyr Ala Met Ala Ser Ser Ala Glu Ser Ser
1   5   10   15

Pro Gly Glu Tyr
            20

<210> 2221
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2221
Glu Leu Glu Asp Ile Lys Val Ser Leu Gln Arg Ser Val Ser Thr Gln
1   5   10   15

Lys Ala Leu Glu
            20

<210> 2222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2222
Ser Ile Leu Gln Glu Gln Ile Ser His Leu Gln Phe Val Ile His Ser
1   5   10   15

Gln His Gln Asn
            20

<210> 2223
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2223
Glu Lys Gln Pro Tyr Tyr Glu Glu Gln Ala Arg Leu Ser Lys Ile His
1   5   10   15

Leu Glu Lys Tyr
            20

<210> 2224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2224
Arg Ala Leu Arg Lys Asp Lys Pro Ala Ala Thr Ala Ala Ser Phe Thr
1   5   10   15

Ala Glu Glu Trp
            20

<210> 2225
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2225
Gly Val Asp Gly Gln Trp Asp Leu Ser Asn Tyr His Leu Leu Asp Leu
1   5   10   15

Gly Arg Pro His
            20

<210> 2226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2226
Pro Met Gly Pro Glu Ala Ser Phe Phe Asp Val Leu Asp Arg His Arg
1   5   10   15

Glu Ser Leu Leu
            20

<210> 2227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2227
Asn Glu Val Lys Arg Leu Leu Arg Ser Asp Ala Glu Ala Val Ser Thr
1   5   10   15

Arg Trp Glu Val
            20

<210> 2228
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2228
Gln Thr Thr Phe Gly Pro Val Phe Glu Asp Gln Pro Leu Ser Val Leu
1   5   10   15

Phe Pro Glu Glu
            20

<210> 2229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2229
Asp Tyr Gly Asn Glu Glu Ile Ile Pro Leu Asn Arg Ile Tyr His Leu

1 5 10 15

Asn Arg Asn Ile
20

<210> 2230
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2230
Gln Thr Gln Leu Ala Lys Thr Leu Gln Glu Ile Phe Gln Ala Glu Asn
1 5 10 15

Thr Ile Met Leu
20

<210> 2231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2231
Arg Ile Thr Ile Gly Thr Leu Phe Ser Val Leu His Glu Arg Arg Ser
1 5 10 15

Gln Phe Pro Val
20

<210> 2232
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2232
Arg Glu Asp Asn Ala Val Ser Ala Ala Thr Ala Leu Leu Glu Ser Glu
1 5 10 15

Glu Asp Thr Ile
20

<210> 2233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2233
Ser Lys Pro Lys Ala Pro Ala Thr Leu Leu Glu Glu Trp Asp Pro Val
1   5   10   15

Pro Lys Pro Lys
            20

<210> 2234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2234
Phe Thr Lys Glu Val Asn Glu Trp Met Ala Gln Asp Leu Glu Asn Ile
1   5   10   15

Val Ala Ile His
            20

<210> 2235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2235
Ile Ser Met Gln Asn Leu Glu Ala Leu Leu Val Ala Asn Arg Asp Lys
1   5   10   15

Glu Tyr Gln Ser
            20

<210> 2236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2236
Val Asn Ile Thr Glu Tyr Arg Ala Ser His Ser Thr Pro Ile Glu Trp
1   5   10   15

Tyr Pro Asp Tyr
            20

<210> 2237

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2237
Asn Phe Ser Phe Arg Asn Thr Leu Glu Gly Phe Ala Ser Pro Leu Thr
1   5   10   15

Gly Ile Ala Asp
            20

<210> 2238
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2238
Gly Thr Asp Glu Ala Val Leu Gln Val Gln Ala His Glu His Gly Gln
1   5   10   15

Glu Ile Phe Gln
            20

<210> 2239
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2239
Ala Ala Leu Leu Ala Gly Arg Ala Leu Gln Gly Leu Arg Arg Leu Glu
1   5   10   15

Leu Ala Ser Asn
            20

<210> 2240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2240
Ile Leu Ser Ser Leu Glu Leu Trp Ile Asp Glu Asn Lys Ile Ala Thr
1   5   10   15

Thr Gly Glu Ala
            20

<210> 2241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2241
Arg Asp Phe Asn Gln Phe Ser Ser Gly Glu Lys Asn Ile Phe Leu Ala
1   5   10   15

Ser Phe Val His
            20

<210> 2242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2242
Ala Arg Glu Gly Gly Arg Phe Phe Pro Arg Glu Arg Lys Arg Phe Arg
1   5   10   15

Gly Gln Glu Arg
            20

<210> 2243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2243
Gly Gly Gly Gln Ser Ala Lys Ala Leu Ser Val Lys Gln Leu Glu Ser
1   5   10   15

His Arg Ala Pro
            20

<210> 2244
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2244
Ile Gln Asn Lys Pro Leu Tyr Phe Ala Asp Arg Leu Tyr Asp Ser Met
1   5   10   15

Lys Gly Lys Gly
            20

<210> 2245
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2245
Tyr Leu Gln Lys Val Val Leu Lys Asp Leu Trp Lys His Ser Phe Ser
1   5   10   15

Trp Pro Phe Gln
            20

<210> 2246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2246
Thr Glu Lys Pro Glu Phe Gln Ser Gln Val Tyr Asn Tyr Ala Lys Asp
1   5   10   15

Asn Asn Ile Lys
            20

<210> 2247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2247
Gln Met Val Thr Asp Leu Glu Leu Ser Thr Leu Leu Pro Ile Ser His
1   5   10   15

Glu Asn Leu Thr
            20

<210> 2248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2248

Pro Lys Ala Lys Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe
1   5   10   15

Ile His Phe Arg
            20

<210> 2249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2249
Lys Leu Leu Glu Lys Phe Ser Leu Val Gln Lys Glu Tyr Glu Gly Tyr
1   5   10   15

Glu Val Glu Ser
            20

<210> 2250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2250
Arg Arg Val Val Ala Ala Leu Pro Glu Gly Met Arg Pro Asp Ser Asn
1   5   10   15

Leu Tyr Gly Phe
            20

<210> 2251
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2251
Glu Gln Phe Thr Lys Ile Lys Glu Leu Glu Leu Met Pro Glu Lys Gly
1   5   10   15

Leu Lys Glu Glu
            20

<210> 2252
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2252
Pro Gln Val Ile Asn Ala Ala Leu Thr Leu Ala Ala Arg Pro Gln Ser
1   5   10   15

Lys Val Ala Gln
            20

<210> 2253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2253
Val Gly Ser Gln Ala His Val Ser Phe Leu Asp Pro Arg Gln Pro Ser
1   5   10   15

Tyr Asn Val Lys
            20

<210> 2254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2254
Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His Glu Val Met Lys Ala
1   5   10   15

Ile Asn Asp Gly
            20

<210> 2255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2255
Leu Ile Gly Gln Gly Ile Ile Val Lys Asp Ala Arg Leu Asn Gly Ser
1   5   10   15

Val Ala Ser Tyr
            20

<210> 2256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2256
Glu Leu Asp Arg Leu Val Trp Arg Asn Ser Ile Arg Ser Ser Phe Ile
1   5   10   15

Ser Ser Leu Ser
            20

<210> 2257
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2257
Phe Leu Asp Asp Pro Leu Tyr Gly Ile Ser Val Ser Leu Ser Ser Glu
1   5   10   15

Asp Gln His Leu
            20

<210> 2258
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2258
Leu Asp Arg Gly Ala Asn Ala Ser Phe Glu Lys Asp Lys Gln Ser Ile
1   5   10   15

Leu Ile Thr Ala
            20

<210> 2259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2259
Tyr Arg Ile Tyr Asp Met Glu Asn Val Leu Leu Gly Leu Phe Ser Thr
1   5   10   15

Ile His Asp Ser

20

<210> 2260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2260
His Arg Arg Gly Ser Arg Ser Tyr Val Pro Leu Ala His Ser Ser Ser
1 5 10 15

Ala Phe Thr Ile
20

<210> 2261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2261
Met Gly Phe Glu Pro Gln Ile Met Lys Ile Leu Leu Asp Val Arg Pro
1 5 10 15

Asp Arg Gln Thr
20

<210> 2262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2262
Lys Pro Pro Leu Glu Lys Ile Leu Pro Leu Leu Ala Ser Leu Gln Arg
1 5 10 15

Ile Arg Val Arg
20

<210> 2263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2263
Asp Ala Lys Val Arg Met Val Ile Ile Thr Gly Pro Pro Glu Ala Gln
1 5 10 15

Phe Lys Ala Gln
            20

<210> 2264
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2264
Arg Ala Lys Leu Gln Glu Leu Asn Ala Ile Pro Pro Ile Leu Asp Leu
1   5   10   15

Leu Lys Ser Glu
            20

<210> 2265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2265
Met Ile Glu Glu Pro Arg Leu Tyr Glu Lys Asn Lys Pro Phe Tyr Lys
1   5   10   15

Leu Gln Glu Val
            20

<210> 2266
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2266
Phe Pro Thr Val Arg Pro Ala Asp Leu Thr Arg Val Ile Met Pro Leu
1   5   10   15

Glu Gln Arg Ser
            20

<210> 2267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2267
Arg Glu Lys Arg Arg Lys Ala Arg Glu Glu Thr Gln Gly Leu Lys Val
1   5   10   15

Ala His Ala Thr
            20

<210> 2268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2268
Trp Gly Pro Arg Ala Tyr Ala Glu Thr Ser Lys Met Lys Val Leu Glu
1   5   10   15

Phe Leu Ala Lys
            20

<210> 2269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2269
Ala Thr Glu Glu Lys Ile Trp Glu Phe Leu Asn Lys Met Arg Ile Tyr
1   5   10   15

Asp Gly Lys Lys
            20

<210> 2270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2270
Ser Thr Ser Thr Glu Arg Ser Leu Lys Asp Ser Leu Thr Arg Lys Thr
1   5   10   15

Lys Met Leu Val
            20

<210> 2271
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2271
Glu Val Ile Lys Arg Lys Val Val Glu Phe Leu Ala Met Leu Lys Asn
1   5   10   15

Thr Val Pro Ile
            20

<210> 2272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2272
Arg Lys Leu Gln Ser Ile Ile Tyr Asp Ser Asn Thr Arg Gly Ile His
1   5   10   15

Asn Glu Ile Ser
            20

<210> 2273
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2273
Leu Asp Val Gln Ile Gln His Val Val Glu Gly Lys Arg Ala Leu Ser
1   5   10   15

Glu Leu Thr Gln
            20

<210> 2274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2274
Arg Thr Gly Tyr Thr Lys Thr Tyr Gln Ala His Ala Lys Gln Lys Phe
1   5   10   15

Ser Arg Leu Trp
            20

<210> 2275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2275
Lys Tyr Phe Glu Asp Ser Arg Asn Met Lys Thr Leu Lys Asp Pro Tyr
1   5   10   15

Leu Lys Gly Glu
            20

<210> 2276
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2276
Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala
1   5   10   15

Leu Glu Leu Lys
            20

<210> 2277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2277
Gly Leu Asn Val Lys Arg Ile Ile Gln Glu Leu Gln Lys Leu Met Asn
1   5   10   15

Lys Gln His Ser
            20

<210> 2278
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2278
Ala Asn Val Phe Gly Asp Gly Pro Tyr Ser Thr Phe Leu Thr Ser Ser
1   5   10   15

Pro Ile Arg Ser
            20

<210> 2279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2279
Lys Leu Asn Trp Ile Pro Ser Phe Pro Thr Tyr Asp Tyr Phe Asn Gln
1   5   10   15

Val Thr Leu Gln
            20

<210> 2280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2280
Leu Pro Arg Asn Met Pro Ser His Arg Ala Gln Ile Met Ala Arg Tyr
1   5   10   15

Pro Glu Gly Tyr
            20

<210> 2281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2281
His Ala Phe Asp Gly Thr Ile Leu Phe Leu Pro Lys Arg Leu Gln Gln
1   5   10   15

Lys Val Thr Glu
            20

<210> 2282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2282
Ile Glu Gly Arg Val Leu Pro Met Glu Arg Ile Asn Leu Lys Asn Thr

1 5 10 15

Ser Phe Ile Thr
20

<210> 2283
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2283
Lys Asp Tyr Ser Ile Val Lys Glu Leu Ala Lys His Thr Arg Leu Ser
1 5 10 15

Pro Arg Arg Arg
20

<210> 2284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2284
Ile Leu Lys Lys Leu Ser Met Tyr Gln Ile Gly Arg Asn Phe Tyr Asn
1 5 10 15

Pro Ser Glu Pro
20

<210> 2285
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2285
Pro Leu Gln Ala Leu Leu Glu Arg Ala Ser Ala Thr Leu Gln Asp Leu
1 5 10 15

Val Phe Asp Glu
20

<210> 2286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2286
Asp Ser Val Glu Leu Ala His Tyr Asp Val Leu Leu Ser Tyr Pro Asn
1   5   10   15

Lys Thr His Pro
            20

<210> 2287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2287
Asp Glu Arg Ile Ala Ala His Gln Ala Leu Gln His Pro Tyr Phe Gln
1   5   10   15

Glu Gln Arg Lys
            20

<210> 2288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2288
Gln Pro Gln Pro Asp Asn Ile Leu Ser Thr Ala Ser Thr Gly Leu Ile
1   5   10   15

Asn Val Ala Gly
            20

<210> 2289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2289
Glu Tyr Glu Asn Glu Ser Gln Ala Ser Gln Ala Val Met Lys Met Asp
1   5   10   15

Gly Met Thr Ile
            20

<210> 2290

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2290
Pro Ser Ser Leu Thr Thr Pro Gly Ser Thr Leu Lys Phe Gly Ala Ile
1   5   10   15

Arg Lys Met Arg
            20

<210> 2291
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2291
Glu Lys Leu Glu Glu Lys His Ser Gln Ile Thr Glu Leu Glu Asn Leu
1   5   10   15

Val Gln Arg Met
            20

<210> 2292
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2292
Lys Asp Glu Arg Arg Lys Ile Leu Gln Ala Phe Pro Asp Met His Asn
1   5   10   15

Ser Asn Ile Ser
            20

<210> 2293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2293
Glu Thr Leu Glu Gln Tyr Gly Lys Ala Tyr Val Asp Tyr Lys Thr Val
1   5   10   15

Leu Gln Ile Asp
            20

<210> 2294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2294
Arg Glu Ala Glu Leu Lys Lys Glu Tyr Asn Ala Leu His Gln Arg His
1   5   10   15

Thr Glu Met Ile
            20

<210> 2295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2295
Ile Tyr Tyr Thr Asp Ser Gln Leu Phe Gly Asn Gln Thr Val Val Asp
1   5   10   15

Asn Ile Ile Asn
            20

<210> 2296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2296
Asp Gly Thr Lys Glu Ile Glu Ser Gln Gly Ser Ile Pro Gly Phe Leu
1   5   10   15

Ile Ser Ser Gly
            20

<210> 2297
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2297
Asp Ile Gly Asp Thr Thr Ile Gln Leu Ser Trp Ser Arg Gly Phe Asp
1   5   10   15

Asn His Ser Pro
            20

<210> 2298
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2298
Val Asp Val Ala Asp Lys Leu Val Thr Phe Gly Leu Ala Lys Asn Ile
1   5   10   15

Thr Pro Gln Arg
            20

<210> 2299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2299
Leu Tyr His Arg Glu Lys Arg Ile Gly Ile Asp Leu Val His Asp Asn
1   5   10   15

Val Glu Lys Asn
            20

<210> 2300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2300
Ser Val Ser Thr Pro Leu Ser Pro Gly Ser Val Ser Ser Ala Ala Ser
1   5   10   15

Gln Tyr Lys Asp
            20

<210> 2301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2301

His Ser Asn Leu Leu Tyr Ser Gln Tyr Phe Thr Tyr Phe Ala Gly Glu
1   5   10   15

Pro Gln Ala Asn
            20

<210> 2302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2302
Tyr Val Thr Glu Arg Ile Ile Ala Met Ser Phe Pro Ser Ser Gly Arg
1   5   10   15

Gln Ser Phe Tyr
            20

<210> 2303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2303
Leu Ala Met Lys Glu Lys Thr Ile Ser Gly Met Lys Asn Ile Ile Ala
1   5   10   15

Glu Met Glu Gln
            20

<210> 2304
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2304
Glu Ala Tyr Arg Arg Arg His His Asn Ser Ser Leu Asn Phe Phe Asn
1   5   10   15

Trp Phe Ser Asp
            20

<210> 2305
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2305
Ala Ser Gln Ser Ser Met His Asn Ala Leu His Ile Tyr Met Asn Gly
1   5   10   15

Thr Met Ser Gln
            20

<210> 2306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2306
Pro Gly Pro Ala Leu Asn Val Lys Leu Gln Pro Val Glu Thr Lys Ala
1   5   10   15

His Phe Asp Ser
            20

<210> 2307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2307
Val Ser Leu Thr Tyr Val Ser Phe Arg Asn Leu Thr His Leu Glu Ser
1   5   10   15

Leu His Leu Glu
            20

<210> 2308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2308
Gln Ser Val Glu Pro Gln Gln Asp Phe Ala Lys Tyr Ile Glu Met His
1   5   10   15

Val Ile Val Glu
            20

<210> 2309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2309
Thr Lys Val Asn Phe Thr Glu Ile Gln Lys Leu Val Leu Asp Val Ala
1   5   10   15

His Val His Glu
            20

<210> 2310
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2310
Lys Gly Thr Gly Ser Ala Glu Ala Val Leu Gln Asn Ala Tyr Gln Ala
1   5   10   15

Ile His Asn Glu
            20

<210> 2311
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2311
Gly Met Lys Gln Ala Asn Gly Gln Phe Ile Asp Lys Leu Val Glu Ser
1   5   10   15

Val Met Lys Leu
            20

<210> 2312
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2312
Lys Ser Tyr Ser Pro Tyr Asp Met Leu Glu Ser Ile Arg Lys Glu Val
1   5   10   15

Lys Gly Asp Leu

20

<210> 2313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2313
Ala Gln Ala Leu Glu Lys Leu Phe Met Gln Lys Leu Ser Gln Met Pro
1 5 10 15

Gln Glu Glu Gln
20

<210> 2314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2314
Gln Leu Lys Lys Glu Leu Glu Lys Ala Thr Ala Ser Ala Leu Asp Leu
1 5 10 15

Leu Lys Arg Glu
20

<210> 2315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2315
Val Gly Gln Leu Gln Ala Arg Glu Gln Ala Leu Thr Thr Met Ile Lys
1 5 10 15

Leu Lys Asp Lys
20

<210> 2316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2316
Ile Gln Glu Ser Leu Lys Thr Lys Ile Val Asp Ser Pro Glu Lys Leu
1 5 10 15

Lys Asn Tyr Lys
            20

<210> 2317
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2317
Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys Arg
1   5   10   15

Phe Gln Ala Asn
            20

<210> 2318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2318
Ile Ser His Glu Lys Lys Ala His Asp Asn Trp Leu Ala Ala Arg Asn
1   5   10   15

Ala Glu Arg Asn
            20

<210> 2319
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2319
Ser Pro Gln Glu Met Glu Val Leu Gln Phe His Ala Leu Glu Glu Asn
1   5   10   15

Val Met Val Ala
            20

<210> 2320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2320
Thr Gly Ile Gly Glu Leu Ala Ala Ala Leu Asn Glu Phe Asp Asn Lys
1   5   10   15

Ile Ile Leu Asp
            20

<210> 2321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2321
Val Gly Thr Gly Gln Gly Ser Leu Leu Phe Tyr Asp Ile Arg Ala Gln
1   5   10   15

Arg Phe Leu Glu
            20

<210> 2322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2322
Arg Leu Glu Gly Val Ile Ser Lys Tyr Lys Pro Met Met Ile Ile Thr
1   5   10   15

Glu Tyr Met Glu
            20

<210> 2323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2323
Asn Asn Arg Leu Lys Ser Leu Ser Ile Gln Tyr Leu Glu Leu Asp Arg
1   5   10   15

Leu Val Trp Arg
            20

<210> 2324
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2324
Glu Ala Ser Lys Gly Tyr Tyr Leu Thr Lys Ala Leu Thr Gly His Asn
1   5   10   15

Met Ser Glu Ala
            20

<210> 2325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2325
Val Ser Leu Val Gln Glu Leu Leu Asp Ser Gly Ile Ser Val Asp Ser
1   5   10   15

Asn Phe Gln Tyr
            20

<210> 2326
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2326
Thr Leu Ser Ser Arg Arg Arg Glu Leu Ile Gln Lys Leu Lys Ser Phe
1   5   10   15

Ile Ser Phe Tyr
            20

<210> 2327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2327
Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln Leu Tyr
1   5   10   15

Pro Glu Trp Thr
            20

<210> 2328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2328
Pro Pro Ile Lys Lys Asn Phe Tyr Lys Glu Ser Thr Ala Thr Ser Ala
1   5   10   15

Met Ser Lys Val
            20

<210> 2329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2329
Trp Glu Glu Phe Ala Asp Pro Phe Ala Phe Ile His Lys Ile Arg Pro
1   5   10   15

Ile Ala Glu Gln
            20

<210> 2330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2330
Gly Lys Thr Val Asn Glu Leu Gln Asn Leu Ser Ser Ala Glu Val Val
1   5   10   15

Val Pro Arg Asp
            20

<210> 2331
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2331
Tyr Ser Gln Thr Gly Tyr Leu Ser Ser Ser Asn Ile Ile Asn Asp Gly
1   5   10   15

Phe Tyr Asp Tyr
            20

<210> 2332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2332
Leu Ser Val His Ile Lys Asn Leu Leu Lys His Gly Ala Ser Leu Asp
1   5   10   15

Asn Phe His Phe
            20

<210> 2333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2333
Ala Gln Ala Leu Gln Ala Glu Glu Gln Glu Ala Ala Phe Phe Ser Ser
1   5   10   15

Thr Leu Asn Val
            20

<210> 2334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2334
Leu Lys Gly Asn Ser Ala Thr Glu Glu Glu Ile Trp Lys Phe Met Asn
1   5   10   15

Val Leu Gly Ala
            20

<210> 2335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2335
Leu Ile Thr Lys Asp Leu Val Gln Glu Lys Tyr Leu Glu Tyr Lys Gln

1 5 10 15

Val Pro Ser Ser
20

<210> 2336
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2336
Phe Pro Glu Ile Leu Lys Lys Ala Ser Phe Asn Met Glu Val Val Phe
1 5 10 15

Gly Val Asp Leu
20

<210> 2337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2337
Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala His Ala Glu
1 5 10 15

Thr Ser Lys Met
20

<210> 2338
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2338
Asp Glu Leu Ala Arg Phe Leu Leu Leu Lys Tyr Gln Val Lys Gln Pro
1 5 10 15

Ile Thr Lys Ala
20

<210> 2339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2339
Pro Glu Glu Ala Ser Asp Ile Ile Tyr Phe Gly Arg Ser Lys Lys Arg
1   5   10   15

Leu Ser Thr Leu
            20

<210> 2340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2340
Asp Ser Asp Asp Thr Leu Tyr Gly Ser Leu Thr Asn Ser Leu Asn Ile
1   5   10   15

Ser Glu Phe Glu
            20

<210> 2341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2341
Met Glu Lys Arg Pro Val Gln Val Leu Leu Ser Ser Leu Leu Arg Lys
1   5   10   15

Lys Met Leu Pro
            20

<210> 2342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2342
Lys Trp His Ser Glu Asp Glu Ile Arg Ile Thr Thr Trp Arg Asn Arg
1   5   10   15

Lys Pro Pro Glu
            20

<210> 2343

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2343
Gln Ile Val Glu Phe Leu Leu Ile Lys Asn Ala Asn Ala Asn Ala Val
1   5   10   15

Asn Lys Tyr Lys
            20

<210> 2344
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2344
Thr Glu Lys Phe Asp Leu Ser Asn Leu Gln Asn Asn Tyr Ala His Leu
1   5   10   15

Thr Asn Ser Ser
            20

<210> 2345
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2345
Val Ala Glu Ala Leu Ser Thr Leu Glu Ser Trp Arg Ser Arg Tyr Asn
1   5   10   15

Gln Val Val Lys
            20

<210> 2346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2346
Arg Leu Trp Gln Glu Leu Ser Asp Ser Leu Gly Pro Val Val Gln Val
1   5   10   15

Asn Thr Trp Ser
            20

<210> 2347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2347
Pro Lys Thr Met Val Asn Ile Ser Asp Gln Thr Met His Ser Ile Pro
1   5   10   15

Thr Ser Pro Ser
            20

<210> 2348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2348
Tyr His Asp Met Thr Ala Gly Arg Arg Ser Ile Ala Gly Phe Val Ala
1   5   10   15

Ser Ile Asn Glu
            20

<210> 2349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2349
Lys Thr Pro Lys Asp Ser Phe Thr Met Ser Asp Gly Lys Glu Ile Thr
1   5   10   15

Phe Leu Glu Tyr
            20

<210> 2350
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2350
Leu Leu Gln Leu Trp Asp Leu Lys Phe Asp Thr Asn Phe Leu Ser Val
1   5   10   15

Pro Gly Arg Val
            20

<210> 2351
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2351
Glu Thr Gln Arg Gly Glu Thr Ile Lys Met Thr Ile Thr Leu Lys Arg
1   5   10   15

Glu Leu Pro Ser
            20

<210> 2352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2352
Met Leu Thr Asp Val Ser Pro Glu Pro Leu Gln Ala Leu Leu Glu Arg
1   5   10   15

Ala Ser Ala Thr
            20

<210> 2353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2353
Thr Leu Arg Gly Ala Val Glu Pro Asp Arg Tyr Val Ile Leu Gly Gly
1   5   10   15

His Arg Asp Ser
            20

<210> 2354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2354

Leu Gln Ser Val Leu Gly Ser Gly Thr Asn Gly Arg Val Pro Val Leu
1   5   10   15

Arg Pro Leu Lys
            20

<210> 2355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2355
Arg Ser Thr Arg Asp Leu Tyr Ala Thr Val Ile His Asp Ile Gln Glu
1   5   10   15

Glu Glu Met Glu
            20

<210> 2356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2356
Asp Gly Met Thr Ile Lys Glu Asn Ile Ile Lys Val Ala Ile Ser Asn
1   5   10   15

Pro Pro Gln Arg
            20

<210> 2357
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2357
Asp Ser Ser Glu Thr Thr Asp Leu Leu Ser Met Val Ser Glu Glu Glu
1   5   10   15

Thr Leu Lys Thr
            20

<210> 2358
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2358
Lys Leu Ser Leu Glu Asn Lys Leu Leu Gln Leu Lys Ser Ser Ala Thr
1   5   10   15

Tyr Gly Lys Ser
            20

<210> 2359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2359
Asn Glu Lys Glu Arg Thr Arg Phe Glu Asn Leu Gly Pro Gln Leu Thr
1   5   10   15

Gly Lys Ser Asn
            20

<210> 2360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2360
Pro Ala Ser Val Pro Leu Gln Ala Trp His Pro Ala Lys Glu Met Ile
1   5   10   15

Ser Lys Gln Ala
            20

<210> 2361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2361
Ser Ile Arg Leu Asp Ser Thr Leu Arg Leu Tyr His Ala His Thr Tyr
1   5   10   15

Gln His Leu Gln
            20

<210> 2362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2362
Lys Gly Val Pro Asp Leu Asn Thr Arg Leu Leu Val Lys Lys Leu Trp
1   5   10   15

Asp Thr Phe His
            20

<210> 2363
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2363
Pro Asp Val Lys Glu Met Glu Lys Ser Ser Phe Thr Glu Tyr Ile Glu
1   5   10   15

Ser Pro Asp Val
            20

<210> 2364
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2364
Val Phe Ser Lys Phe Ala Gln Leu Asn Leu Ala Ala Glu Asp Thr Arg
1   5   10   15

Leu Phe Ala Pro
            20

<210> 2365
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2365
Glu Ser Val Leu Val Gly Tyr Val Asp Tyr Gly Asn Phe Glu Ile Leu
1   5   10   15

Ser Leu Met Arg

20

<210> 2366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2366
Ile Asp Asp Thr Leu Gln Thr Leu Lys Leu Arg Leu Arg Glu Thr Gln
1 5 10 15

Asp Thr Leu Gln
20

<210> 2367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2367
Pro Glu His Ser Glu Ala Phe Gln Ala Ser Ser Asp Thr Leu Val Ala
1 5 10 15

Val Glu Lys Ser
20

<210> 2368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2368
Asn Pro Glu Thr Asp Val Ser Leu Val Pro Asp Ala Ser Val Leu Ser
1 5 10 15

Lys Pro Ile Phe
20

<210> 2369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2369
Ile Leu Ala Asp Leu Ile Phe Thr Asp Ser Lys Leu Tyr Ile Pro Leu
1 5 10 15

Glu Tyr Arg Ser
            20

<210> 2370
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2370
Val Ala Asn Arg Asp Lys Glu Tyr Gln Ser Gln Ile Ala Leu Gln Glu
1   5   10   15

Lys Glu Ser Glu
            20

<210> 2371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2371
Ser Ala Asn Asp Pro Ile Phe Leu Leu His His Ala Phe Val Asp Ser
1   5   10   15

Ile Phe Glu Gln
            20

<210> 2372
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2372
Asn Arg Asn Leu Thr Glu Val Pro Thr Asp Leu Pro Ala Tyr Val Arg
1   5   10   15

Asn Leu Phe Leu
            20

<210> 2373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2373
Leu Val Leu Arg Pro His Asp Val Ala Phe Leu Leu Val Tyr Arg Glu
1   5   10   15

Lys Ser Asn Tyr
            20

<210> 2374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2374
Phe Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala
1   5   10   15

Tyr Thr Lys Lys
            20

<210> 2375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2375
Ser Asp Ser Trp Ala Glu Asp Leu Ile Val Ser Ala Leu Leu Leu Ile
1   5   10   15

Gln Tyr His Leu
            20

<210> 2376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2376
Met Val Tyr Ala Asn Gln Val Ala Ser Asp Met Met Val Ser Leu Met
1   5   10   15

Lys Thr Leu Lys
            20

<210> 2377
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2377
Arg Ile Met Val Ser Arg Ser Glu Val Asp Met Leu Lys Ile Arg Ser
1   5   10   15

Glu Phe Lys Arg
            20

<210> 2378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2378
Asp Val Phe Glu Thr His Phe Ser Lys Ile Pro Ile Glu Pro Val Glu
1   5   10   15

Ser Met Pro Leu
            20

<210> 2379
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2379
Gln Val Phe Ile Asp Val Ile Asn Lys Leu Lys Glu Asn Val Glu Glu
1   5   10   15

Leu Ile Glu Asp
            20

<210> 2380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2380
Ile Tyr Val Lys Gln Gln Ser Asp Leu Gln Phe Leu Asn Phe Asn Val
1   5   10   15

Glu Asn Ser Gln
            20

<210> 2381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2381
Lys Met Lys Asp Thr Val Gln Lys Leu Lys Asn Ala Arg Gln Glu Val
1   5   10   15

Val Glu Lys Tyr
            20

<210> 2382
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2382
Ile Leu His Glu Lys Lys Ala His Asp Asn Trp Ser Ala Ala Trp Thr
1   5   10   15

Ala Glu Arg Asn
            20

<210> 2383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2383
Leu Thr Glu Thr Glu Leu Lys Phe Glu Leu Leu Glu Lys Asp Pro Tyr
1   5   10   15

Ala Leu Asp Val
            20

<210> 2384
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2384
Lys Tyr Ala Ser Val Glu Ala Ser Lys Leu Lys Arg His Val Arg Ser
1   5   10   15

His Thr Gly Glu
            20

<210> 2385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2385
Ser Asn Asn Glu Glu Gly Val Lys Leu Val Arg Met Ala Ala Thr Gln
1   5   10   15

Ile Asp Ser Leu
            20

<210> 2386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2386
Arg His Asn Val Ser Arg Val Pro Val Tyr Ala His Ile Thr His Lys
1   5   10   15

Ala Leu Lys Asp
            20

<210> 2387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2387
Gln Ser Pro Glu Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro
1   5   10   15

Leu Lys Thr Tyr
            20

<210> 2388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2388
Gln Phe Lys Lys Thr Met Ser Thr Phe His Asn Leu Val Ser Leu Asn

1 5 10 15

Leu Asn Tyr Asn
20

<210> 2389
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2389
Leu Arg Glu Ile Asp Glu Lys Leu Lys Met Met Lys Glu Asn Val Leu
1 5 10 15

Glu Ser Thr Ser
20

<210> 2390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2390
Leu Ile Thr Ala Val Gln Asn Val Ile Thr Glu Leu Pro Val Asn Ser
1 5 10 15

Gln Lys Ile Thr
20

<210> 2391
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2391
Ile His Asp Ser Ile Gln Tyr Val Gln Lys Asn Ala Gly Lys Leu Thr
1 5 10 15

Thr Thr Ile Gly
20

<210> 2392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2392
Ser Gly Tyr Leu Ala Glu Ala Asp Leu Ser Tyr Thr Trp Asp Phe Gly
1   5   10   15

Asp Ser Ser Gly
            20

<210> 2393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2393
Asp Leu Ala Ser Arg Gly Leu Asp Val His Asp Val Thr His Val Tyr
1   5   10   15

Asn Phe Asp Phe
            20

<210> 2394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2394
Asp Gln Ile Ala Lys Tyr Trp Glu Leu Gln Gly Ser Thr Leu Lys Ile
1   5   10   15

Pro His Val Glu
            20

<210> 2395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2395
Leu Gln Glu Leu Thr Leu Tyr Asn Pro Glu Arg Thr Ile Thr Val Lys
1   5   10   15

Gly Asn Val Glu
            20

<210> 2396

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2396
Phe Ser Trp Glu Leu His Ile Ser Glu Leu Lys Phe Gln Leu Lys Ser
1   5   10   15

Asn Val Ile Pro
            20

<210> 2397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2397
Lys Asn Lys Pro Phe Tyr Lys Leu Gln Glu Val Lys Ile Leu Ala Gln
1   5   10   15

Phe Tyr Asn Asp
            20

<210> 2398
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2398
Ser Ser Val Arg Ala Arg Arg Arg Thr Thr Ala Thr Thr Phe Arg Ala
1   5   10   15

Arg Ser Arg Ala
            20

<210> 2399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2399
Thr Thr Ala Ala Ala Ala Ala Ala Gly Val Ser Ser Thr Lys Ser Lys
1   5   10   15

Lys Gly Ala Lys
            20

<210> 2400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2400
Gly Arg Ser Arg Ser Ala Leu Lys Lys Pro Gln Arg Ala Leu Ser Thr
1   5   10   15

Thr Thr Ser Val
            20

<210> 2401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2401
Glu Glu Glu Arg Ala Gly Ala Arg Pro Arg Val Ala Ala Arg Arg Gly
1   5   10   15

Thr Thr Ala Met
            20

<210> 2402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2402
Phe Pro Ser Ser Thr Ser Ser Ser Leu Ser Gln Ser Ser Pro Val Ser
1   5   10   15

Ser Phe Pro Ser
            20

<210> 2403
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2403
Val Val Pro Met Pro Ser Trp Leu Ile Arg Thr Arg Glu Ser Val Thr
1   5   10   15

Asp Asp Pro Gln
            20

<210> 2404
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2404
Gln Asp Val Lys Gly Tyr Ser Phe Ile Lys Asp Leu Gln Trp Ile Gln
1   5   10   15

Val Ser Asp Ser
            20

<210> 2405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2405
Ala Ala Pro Ile Thr Glu Ile Val Ser Gln Pro Glu Arg Leu Leu Phe
1   5   10   15

Val Ile Asp Ser
            20

<210> 2406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2406
Asn Lys Leu Lys Pro Gly Gln Met Glu Met Leu Lys Leu Thr Met Asn
1   5   10   15

Lys Arg Tyr Asn
            20

<210> 2407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2407

Ala Ser Leu Thr Pro Leu Leu Leu Ser Ile Thr Lys Arg Ser Glu Gln
1   5   10   15

Ile Val Glu Phe
            20

<210> 2408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2408
Asn Asn Tyr Ala His Leu Thr Asn Ser Ser Ile Asn Lys Ser Gly Ala
1   5   10   15

Ser Tyr Glu Lys
            20

<210> 2409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2409
Leu Lys Arg Leu Ala Glu Ala Asp Ser Glu Lys Ala Arg Leu Leu Leu
1   5   10   15

Leu Leu Gln Asp
            20

<210> 2410
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2410
Leu Val Gln Gln Glu Gln His Leu Lys Glu Gln Gln Arg Gln Leu Arg
1   5   10   15

Glu Gln Leu Gln
            20

<210> 2411
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2411
Ser Asn Ser Ile Lys Arg Asn Pro Asn Ala Pro Val Val Arg Arg Gly
1   5   10   15

Trp Leu Tyr Lys
            20

<210> 2412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2412
Met Glu Ala Arg Arg Leu Arg Ser Ala Leu Leu Phe Gln His Glu Asp
1   5   10   15

Leu Ile Gly Lys
            20

<210> 2413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2413
Thr Ile Gly Gln Pro Thr Arg Leu Arg Ser Val Ala Gln Lys Ile Leu
1   5   10   15

Leu Gln Ile Asn
            20

<210> 2414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2414
Val Gly Gln Ser Ile His Gln Glu Pro Asn Arg Ser Leu Ser Thr Arg
1   5   10   15

Leu Phe Tyr Leu
            20

<210> 2415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2415
Gly Leu Thr Asp Gln Ala Thr Ser Asp Phe Gln Leu Met Lys Ala Val
1   5   10   15

Ala Glu Lys Thr
            20

<210> 2416
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2416
Asn Ser His Gln Asp Phe Trp Thr Val Trp Ser Gly Asn Arg Ala Ser
1   5   10   15

Leu Tyr Ser Phe
            20

<210> 2417
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2417
Ser Asp Ile Val Pro Pro Phe Ser Ala Phe Ser Pro Gln Gly Met Pro
1   5   10   15

Glu Gly Asp Leu
            20

<210> 2418
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2418
Leu Met Lys Glu Val Arg Arg Phe Gly Gln Asn Tyr Glu Arg Ile Phe
1   5   10   15

Ile Leu Leu Glu

20

<210> 2419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2419
Phe Ile Gln Ala Thr Asp Tyr Val Glu Ile Trp Gln Ala Tyr Leu Asp
1 5 10 15

Tyr Leu Arg Arg
20

<210> 2420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2420
Leu Ser Arg Val Tyr Ser Lys Leu Tyr Lys Glu Ala Glu Lys Ile Lys
1 5 10 15

Lys Trp Lys Val
20

<210> 2421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2421
Glu Ser Thr Ser Ala His Ile Ile Glu Glu Thr Glu Tyr Val Lys Lys
1 5 10 15

Ile Arg Thr Thr
20

<210> 2422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2422
Thr Gln Val Lys Asp Glu Ala Ala Ala Gln Pro Leu Asn Leu Ser Ser
1 5 10 15

Arg Pro Lys Thr
            20

<210> 2423
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2423
Glu Asp Tyr Lys Glu Lys Thr Val Ile Asp Lys Ser His Leu Ser Lys
1   5   10   15

Ile Glu Thr Arg
            20

<210> 2424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2424
Gln Arg His Thr Glu Met Ile His Asn Tyr Met Glu His Leu Glu Arg
1   5   10   15

Thr Lys Leu His
            20

<210> 2425
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2425
Met Ile Tyr Lys Leu Val Gln Ser Asn Thr Tyr Ala Thr Lys Arg Asp
1   5   10   15

Ile Tyr Tyr Thr
            20

<210> 2426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2426
Glu Tyr Leu Glu Arg Gln Leu Gln Ala Glu Phe Ile Glu Ser Gly Gln
1   5   10   15

Tyr Arg Ala Asn
            20

<210> 2427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2427
Gln Asn Arg Val Glu Val Leu Ala Gly Asp Leu Arg Phe Ser Lys Leu
1   5   10   15

Ser Leu Glu Asp
            20

<210> 2428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2428
Met Phe Ser Asp Leu Arg Ser Leu Gln Leu Lys Lys Thr Met Glu Ile
1   5   10   15

Lys Gly Thr Val
            20

<210> 2429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2429
Glu Arg Arg Ser Gln Phe Pro Val Leu His Met Glu Val Ile Val His
1   5   10   15

Leu Leu Leu Gln
            20

<210> 2430
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2430
Glu Leu Asp His Leu Ala Leu Glu Trp Gln Ile Thr Pro Ser Phe Glu
1   5   10   15

Ser Leu Ser Gln
            20

<210> 2431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2431
Arg Leu Leu Arg Leu Ile Ile Leu Leu Arg Ile Phe His Leu Phe His
1   5   10   15

Gln Lys Arg Gln
            20

<210> 2432
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2432
Leu Ala Glu Asn Lys Met Ala Ile Gln Ser Arg Asp Val Ala Gln Phe
1   5   10   15

Arg Asn Val Val
            20

<210> 2433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2433
Arg Asn Thr Leu Glu Gly Phe Ala Ser Pro Leu Thr Gly Ile Ala Asp
1   5   10   15

Ala Ser Gln Ser
            20

<210> 2434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2434
Leu Ala Gln Leu Pro Ser Leu Arg His Leu Asp Leu Ser Asn Asn Ser
1   5   10   15

Leu Val Ser Leu
            20

<210> 2435
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2435
Val Ile Glu Gly Lys Pro Tyr Thr Val Asn Leu Met Gln Lys Asn Phe
1   5   10   15

Leu Pro His Asn
            20

<210> 2436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2436
Tyr Leu Gln Asn Ala Phe Leu Val Ala Tyr Thr Lys Lys Ala Pro Gln
1   5   10   15

Leu Thr Ser Ser
            20

<210> 2437
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2437
Glu Arg Pro Leu Ala Ser Ser Pro Pro Arg Leu Tyr Glu Asp Asp Glu
1   5   10   15

Thr Pro Gly Ala
20

<210> 2438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2438
Leu Ile Met Ala Lys Tyr Ser Asn Asp Gly Ala Ala Leu Ala Glu Leu
1 5 10 15

Glu Glu Gln Ala
20

<210> 2439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2439
Asp Thr Thr Thr Pro Ala Thr Ser Ala Val Lys Ala Ser Ser Glu Phe
1 5 10 15

Ser Pro Thr Phe
20

<210> 2440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2440
Lys Phe His Trp Val Glu Ala Phe Asp Asp Glu Met Thr Glu Lys Pro
1 5 10 15

Glu Phe Gln Ser
20

<210> 2441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2441
Ser Thr Ile Glu Lys Gln Arg Lys Glu Leu Gln Leu Leu Ile Gly Glu

1 5 10 15

Leu Lys Asp Arg
20

<210> 2442
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2442
Ser Asn Ser Gly Arg Leu Ser Gly Pro Ala Glu Leu Arg Ser Phe Asn
1 5 10 15

Met Pro Ser Leu
20

<210> 2443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2443
Ala Thr Ile Ile Ala Arg Lys Ser Asp Leu Arg Val His Met Arg Asn
1 5 10 15

Leu His Ala Tyr
20

<210> 2444
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2444
Phe Ile Asp Ala Ser Arg Leu Val Tyr Asp Gly Val Arg Asp Ile Arg
1 5 10 15

Lys Ala Val Leu
20

<210> 2445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2445
Tyr Gly Ser Glu Trp Ser Val Tyr Ala Val Gly Ser Gln Ala His Val
1   5   10   15

Ser Phe Leu Asp
            20

<210> 2446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2446
Ile Glu Lys Val Val Gln Met Thr Asn Asp Asp Ile Lys Arg Ile Gly
1   5   10   15

Val Arg Leu Pro
            20

<210> 2447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2447
Met Tyr Ser Ala Glu Leu Trp Arg Tyr Arg Thr Ile Thr Phe Ser Gly
1   5   10   15

Arg Pro Ser Arg
            20

<210> 2448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2448
Asp Val Glu Arg Asn Glu Ser Leu Ile Lys Ser Gly Lys Lys Pro Phe
1   5   10   15

Ser Asn Thr Glu
            20

<210> 2449

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2449
Phe Thr Lys Asn Gly Ile Thr Ser Lys Asp Gln Gln Lys Ile Leu Ala
1   5   10   15

Ala Leu Lys Glu
            20

<210> 2450
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2450
Leu Gly Ser Asp Ile Asn Val Asp Asp Met Val Asn Glu Leu Phe Asp
1   5   10   15

Ser Leu Phe Pro
            20

<210> 2451
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2451
Ala Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro Gly Ser Gln Lys
1   5   10   15

Val Leu Pro Asp
            20

<210> 2452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2452
Gln Lys Pro Thr Pro Ile Gln Ser Gln Ala Trp Pro Ile Val Leu Gln
1   5   10   15

Gly Ile Asp Leu
            20

<210> 2453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2453
Val Pro Thr Glu Leu Val Glu Lys Glu Phe Trp Arg Leu Val Ser Thr
1   5   10   15

Ile Glu Glu Asp
            20

<210> 2454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2454
Ile Asp Val His Arg Lys Glu Asn Ala Gly Ala Ala Glu Lys Ser Ile
1   5   10   15

Thr Ile Leu Ser
            20

<210> 2455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2455
Glu Glu Asn Lys Thr Thr Leu Leu Glu Leu Gly Ala Val Glu Pro Leu
1   5   10   15

Thr Lys Leu Leu
            20

<210> 2456
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2456
Gly Leu Asp Pro Ala Gly Pro Arg Phe Ser Arg Lys Pro Pro Tyr Ser
1   5   10   15

Arg Leu Asp Tyr
            20

<210> 2457
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2457
Phe Ser Gln Gly Leu Ser Ser Thr Val Gln Ser Arg Thr Asp Pro Leu
1   5   10   15

Ile Met Lys Thr
            20

<210> 2458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2458
Val Leu Arg Asp Thr Ala Ser Ser Ser Leu Ala Phe Gly Ile Pro Gln
1   5   10   15

Glu Pro Gln Arg
            20

<210> 2459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2459
Arg Glu Leu Leu Thr Lys Val Trp Val Gln Glu His Tyr Leu Glu Tyr
1   5   10   15

Arg Glu Val Pro
            20

<210> 2460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2460

Lys Ile Ser Glu Asp Lys Leu Lys Asn Leu Arg Ile Lys Leu Ala Leu
1   5   10   15

Leu Leu Gln Lys
            20

<210> 2461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2461
Lys Met Lys Glu Ser Asp His Gln Ile Ile Lys Arg Arg Leu Arg Thr
1   5   10   15

Lys Thr Ala Lys
            20

<210> 2462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2462
Gln Ser Thr Thr Ser Val Tyr Ser Ser Phe Val Phe Asn Leu Phe Thr
1   5   10   15

Pro Glu Gly Ala
            20

<210> 2463
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2463
Asn Val Ser Gln Gln Ala Leu Asp Leu Gln Asn Leu Arg Phe Asp Pro
1   5   10   15

Asp Leu Met Gly
            20

<210> 2464
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2464
Asn Val Asp Val Ser Ser Thr Ile Tyr Asn Asn Glu Val Leu His Gln
1   5   10   15

Pro Leu Ser Glu
            20

<210> 2465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2465
Phe Glu Leu Phe Gly Phe Asp Ile Leu Ile Asp Asp Asn Leu Lys Pro
1   5   10   15

Trp Leu Leu Glu
            20

<210> 2466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2466
Glu Lys Ala Gln Ala Lys Thr Ala Ser Glu Leu Ser Lys Ser Met Glu
1   5   10   15

Ser Met Arg Gly
            20

<210> 2467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2467
Val Ala Phe Asn Gln Gln Gln Leu Val Gln Gln Glu Gln His Leu Lys
1   5   10   15

Glu Gln Gln Arg
            20

<210> 2468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2468
Arg Ser Met Arg Asp Asp Thr Met Trp Gln Leu Tyr Glu Trp Gln Gln
1   5   10   15

Arg Gln Phe Tyr
            20

<210> 2469
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2469
Ala Asp Gly Ser Glu Val Ser Phe Leu Glu Tyr Tyr Arg Lys Gln Tyr
1   5   10   15

Asn Gln Glu Ile
            20

<210> 2470
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2470
Arg Gly Pro Ala Gln Arg Glu Ser Val Gly Leu Val Ser Met Phe Arg
1   5   10   15

Gly Leu Gly Ile
            20

<210> 2471
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2471
Arg Asn Glu Trp Tyr Asp Phe Phe Ile Val Ser Gln Ser Val Gln Asp
1   5   10   15

Gly Thr Val Thr

20

<210> 2472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2472
Asn Pro Ala Ala Phe Val Arg Ala Ile Gln Gln Tyr Val Asp Pro Asp
1 5 10 15

Val Gln Leu Val
20

<210> 2473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2473
Ser Leu Phe Phe Leu Arg Gly Arg Leu Asp Gln Leu Leu Arg His Val
1 5 10 15

Met Asn Pro Leu
20

<210> 2474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2474
Lys Leu Gly Ser Gly Asn Asp Phe Glu Val Phe Phe Gln Arg Leu Gly
1 5 10 15

Ile Ala Ser Gly
20

<210> 2475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2475
Tyr Lys Pro Asp Ser Asn Glu Phe Ala Val Gly Thr Lys Asn Tyr Ser
1 5 10 15

Val Ser Ala Gly
            20

<210> 2476
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2476
Leu Gln Gln Leu Glu Lys Tyr Lys Pro Tyr Glu Glu Ala Leu Leu Gln
1   5   10   15

Ala Glu Ala Pro
            20

<210> 2477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2477
Thr Pro Glu Ile Tyr Trp Lys Leu Asp Ser Lys Ala Val Pro Ser Gln
1   5   10   15

Thr Val Ser Arg
            20

<210> 2478
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2478
Val Asp Gly Lys Lys Leu Arg Ile Gly Glu Tyr Lys Gln Leu Met Arg
1   5   10   15

Ser Arg Arg Gln
            20

<210> 2479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2479
Leu Pro Thr Val Val Ala Tyr Asn Asn Arg Ala Gln Ala Glu Ile Lys
1   5   10   15

Leu Gln Asn Trp
            20

<210> 2480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2480
Leu Met Glu Leu Gln Glu Ala Val Arg Trp Thr Glu Met Ile Arg Ala
1   5   10   15

Ser Arg Glu Asn
            20

<210> 2481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2481
Leu Leu Pro Ser Asp Leu Lys Arg Leu Asn Val Pro Lys Asp Ser Leu
1   5   10   15

Ile Pro Leu Thr
            20

<210> 2482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2482
Leu Ala Thr Ser His Met Asp Phe Ser Thr Lys Ser Val Phe Ser Lys
1   5   10   15

Phe Ala Gln Leu
            20

<210> 2483
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2483
Tyr Pro Arg Ile Ile Ser Asp Val Leu Ile Asp Glu His Leu Val Leu
1   5   10   15

Lys Ser Ala Ser
            20

<210> 2484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2484
Trp Asn Ser Gln Glu Phe Ile Gln Thr Leu Ser Asp Asp Phe Ile Ser
1   5   10   15

Val Arg Glu Arg
            20

<210> 2485
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2485
Leu Ser Arg Lys Leu Asp Lys Ala Val Val His Leu Lys Lys Ala His
1   5   10   15

Arg Arg Val His
            20

<210> 2486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2486
Ser Val Leu Asp Asn Ile Thr Thr Asp Lys Ile Leu Ile Asp Val Phe
1   5   10   15

Asp Gly Leu Pro
            20

<210> 2487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2487
Ala Val Gln Glu Leu Arg Arg Gln Asn Tyr Ser Ser Asn Ala Tyr His
1   5   10   15

Met Ser Ser Thr
            20

<210> 2488
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2488
Ser Pro Leu Thr Gly Ile Ala Asp Ala Ser Gln Ser Ser Met His Asn
1   5   10   15

Ala Leu His Ile
            20

<210> 2489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2489
Arg His Leu Asp Leu Ser Asn Asn Ser Leu Val Ser Leu Thr Tyr Val
1   5   10   15

Ser Phe Arg Asn
            20

<210> 2490
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2490
Ile Glu Pro Leu Glu Ser Ser Val Gly Phe Glu His Val Ile Tyr Gln
1   5   10   15

Val Lys His Lys
            20

<210> 2491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2491
Phe Gln Thr Lys Ala Ala Thr Val Thr Lys Glu Leu Arg Glu Ser Ser
1   5   10   15

Leu Leu Asn Gln
            20

<210> 2492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2492
Asp Asp Lys Ser Gly Asp Ala Ser Arg Leu Thr Ser Ala Phe Pro Asp
1   5   10   15

Ser Leu Tyr Glu
            20

<210> 2493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2493
Ser Asp Met Met Val Ser Leu Met Lys Thr Leu Lys Val His Ser Ser
1   5   10   15

Gly Lys Pro Ile
            20

<210> 2494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2494
Asn Tyr Asp Glu Lys Arg Gln Leu Ser Leu Asn Ile Asn Lys Leu Pro

1 5 10 15

Gly Asp Lys Leu
20

<210> 2495
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2495
Asp Gln Leu Gly Asn Glu Tyr Phe Arg Gln Pro Pro Pro Arg Ser Pro
1 5 10 15

Pro Leu Ile His
20

<210> 2496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2496
Gln Thr Ala Leu Gln Lys Thr Gln Leu Gln Leu Gln Glu Met Ala Gln
1 5 10 15

Lys Ala Thr His
20

<210> 2497
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2497
Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys Ile
1 5 10 15

Phe Gln Met Asn
20

<210> 2498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2498
Lys Lys Gly Arg Ser Lys Lys Ala His Val Leu Ala Ala Ser Val Glu
1   5   10   15

Gln Ala Thr Gln
            20

<210> 2499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2499
Ser Arg Glu Arg Gly Ser Gly Ile Arg Ser Val Ser Phe Tyr Glu His
1   5   10   15

Ile Ile Thr Val
            20

<210> 2500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2500
Leu Val Leu Ala Gly Val Gly Phe Phe Ile His Arg Arg Arg Lys Asn
1   5   10   15

Gln Arg Ala Arg
            20

<210> 2501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2501
Lys Leu Ala Arg Gln Ala Thr Asn Leu Lys Val Asn Phe Phe Phe Glu
1   5   10   15

Arg Ile Met Lys
            20

<210> 2502

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2502
Leu Ser Ala Ala Ser Pro Thr Ile Ser Ser Phe Ser Pro Arg Leu Glu
1   5   10   15

Asn Arg Asn Asn
            20

<210> 2503
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2503
Lys Phe Lys Lys Ala Met Thr Ile Gly Asp Val Ser Leu Val Gln Glu
1   5   10   15

Leu Leu Asp Ser
            20

<210> 2504
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2504
His Gln Val Arg Ser Phe Phe Gln Arg Leu Gln Pro Gly Leu Lys Trp
1   5   10   15

Val Pro Glu Thr
            20

<210> 2505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2505
Pro Ser Gly Ser Trp Ser Gln Lys Arg Ser Phe Val Tyr Val Trp Lys
1   5   10   15

Thr Trp Gly Gln
            20

<210> 2506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2506
Ser Thr Asp Lys Val Ile Val Phe Val Ser Arg Lys Ala Val Ala Asp
1   5   10   15

His Leu Ser Ser
            20

<210> 2507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2507
Asp Met Arg Arg Leu Ile Asp Leu Gly Val Gly Leu Ala Pro Tyr Ser
1   5   10   15

Ala Val Glu Lys
            20

<210> 2508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2508
Ala Ile Ile Gly Lys Gln Gly Gln His Ile Lys Gln Leu Ser Arg Phe
1   5   10   15

Ala Gly Ala Ser
            20

<210> 2509
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2509
Ile Leu Glu Thr Lys Glu Leu Asn Asp Leu His Ile Glu Ala Leu Ala
1   5   10   15

Val Ile Ala Asn
            20

<210> 2510
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2510
Ala Glu Pro Leu Phe Glu Gln Asn Asn Ser Leu Asn Val Asn Phe Asn
1   5   10   15

Thr Gln Lys Lys
            20

<210> 2511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2511
Asp Leu Val Lys Leu Lys Tyr Leu Glu Tyr Arg Gln Val Pro Asn Ser
1   5   10   15

Asn Pro Ala Arg
            20

<210> 2512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2512
Asn Met Leu Gly Ile Tyr Asp Gly Lys Arg His Leu Ile Phe Gly Glu
1   5   10   15

Pro Arg Lys Leu
            20

<210> 2513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2513

Pro Gly Ser Pro Ser Phe Ser Ser Thr Leu Leu Ser Leu Phe Gln Ser
1   5   10   15

Ser Pro Glu Arg
            20

<210> 2514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2514
Arg Leu Ser Thr Leu Lys Phe Ile Gly Gln Tyr Gly Asn Gly Leu Lys
1   5   10   15

Ser Gly Ser Met
            20

<210> 2515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2515
Lys Ser Ser Gly Gln Met Ala Gln Lys Phe Ser Phe Ser Lys Val Phe
1   5   10   15

Gly Pro Ala Thr
            20

<210> 2516
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2516
Lys Gln Lys Phe Ser Arg Leu Trp Ser Ser Lys Ser Val Thr Glu Ile
1   5   10   15

His Leu Tyr Phe
            20

<210> 2517
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2517
Asn Glu Trp Asn Tyr Thr Arg Ala Gly Gln Ala Phe Thr Met Leu Gln
1   5   10   15

Thr Glu Gly Lys
            20

<210> 2518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2518
Lys Glu Ile Leu Glu Ala Glu Ile Glu Ser His His Pro Arg Leu Ala
1   5   10   15

Ser Ala Val Gln
            20

<210> 2519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2519
Leu Met Ala Glu Asp Glu Pro Ser Gly Ala Leu Leu Lys Pro Leu Val
1   5   10   15

Phe Arg Val Asp
            20

<210> 2520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2520
Asp Glu Met Asn Lys Glu Ile Glu Ala Ala Arg Arg Gln Phe Gln Ser
1   5   10   15

Gln Leu Ala Asp
            20

<210> 2521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2521
Asp Ser Val Asp Leu Gly Ala Ala Gly Ala Ser Ala Gln Pro Leu Gln
1   5   10   15

Pro Ser Ser Pro
            20

<210> 2522
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2522
Arg Arg Gly Trp Leu Tyr Lys Gln Asp Ser Thr Gly Met Lys Leu Trp
1   5   10   15

Lys Lys Arg Trp
            20

<210> 2523
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2523
Trp Tyr Asp Phe Phe Ile Val Ser Gln Ala Val Arg Ser Gly Ser Val
1   5   10   15

Ser Pro Thr His
            20

<210> 2524
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2524
Leu Leu Pro Glu Leu Ser Phe Met Thr Gly Ile Pro Glu Lys Met Lys
1   5   10   15

Lys Asp Phe Arg

20

<210> 2525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2525
Ala Leu Leu Asp His Glu Ala Lys Lys Met Ser Thr Tyr Leu Lys Thr
1 5 10 15

Ile Ser Pro Asn
20

<210> 2526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2526
Val Ala Glu Ser Ser Ser Asn Thr Ser Ser Arg Leu Ser Val Ile Val
1 5 10 15

Val Arg Lys Lys
20

<210> 2527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2527
Leu Ala Lys Phe Ser Pro Tyr Leu Gly Gln Met Ile Asn Leu Arg Arg
1 5 10 15

Leu Leu Leu Ser
20

<210> 2528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2528
Asn Asp Gln Leu Met Phe Leu Glu Arg Ala Phe Ile Asp Pro Leu Gly
1 5 10 15

Leu Pro Asp Arg
            20

<210> 2529
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2529
Met Pro Ala Met Ser Thr Arg Asp Gln His Ala Thr Ile Ile His Asn
1   5   10   15

Leu Arg Glu Glu
            20

<210> 2530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2530
Glu Glu Asp Glu Val Lys Ala Ala Arg Thr Arg Arg Lys Val Leu Ser
1   5   10   15

Arg Ala Val Ala
            20

<210> 2531
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2531
Arg Val Gln Ala Glu Asn Ser Arg Leu Glu Met His Phe Lys Leu Lys
1   5   10   15

Glu Asp Tyr Glu
            20

<210> 2532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2532
Gln Gln Pro His Gly Val Asp Gly Lys Leu Ser Ser Ile Asn Asn Met
1   5   10   15

Gly Leu Asn Ser
            20

<210> 2533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2533
Gly Thr Thr Lys Thr Phe Lys Ile Pro Ile Glu His Leu Asp Phe Lys
1   5   10   15

Tyr Ile Glu Lys
            20

<210> 2534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2534
Glu Gln Lys Arg Glu Gln Tyr Arg Gln Val Lys Ala His Val Gln Lys
1   5   10   15

Glu Asp Gly Arg
            20

<210> 2535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2535
Ala Arg Asn Glu Ala Pro Ala Phe Thr Ile Asp Asn Arg Ser Ser Trp
1   5   10   15

Glu Asn Ile Lys
            20

<210> 2536
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2536
Glu Pro Val Gln Gln Asp Met Asn Gly Ile Leu Leu Gly Tyr Glu Ile
1   5   10   15

Arg Tyr Trp Lys
            20

<210> 2537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2537
Leu Gln Lys Gln Val Glu Lys His Glu His Ile Leu Leu Phe Leu Leu
1   5   10   15

Asn Asn Ser Thr
            20

<210> 2538
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2538
Leu Glu Ala Gln Leu His Glu Tyr Val Lys Gln Gly Asn Tyr Val Lys
1   5   10   15

Val Lys Lys Ile
            20

<210> 2539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2539
Leu Val Glu Leu Gln Met Met Met Glu Thr Ile Gln Phe Ile Glu Asn
1   5   10   15

Lys Lys Arg His
            20

<210> 2540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2540
Ala Ala Arg Val Ser Pro Ile Ser Glu Ser Val Leu Ala Arg Leu Ser
1   5   10   15

Lys Phe Glu Val
            20

<210> 2541
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2541
Glu Ile Gln Gly Asn Val Lys Val Leu Lys Ser Glu Arg Asp Lys Ile
1   5   10   15

Phe Leu Leu Tyr
            20

<210> 2542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2542
Phe Leu Leu Val Tyr Arg Glu Lys Ser Asn Tyr Val Gly Ala Thr Phe
1   5   10   15

Gln Gly Lys Met
            20

<210> 2543
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2543
Glu Lys Asn Ile Phe Leu Ala Ser Phe Val His Glu Tyr Ser Arg Arg
1   5   10   15

His Pro Gln Leu
            20

<210> 2544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2544
Phe Arg Gly Gln Glu Arg Pro Asp Asp Phe Thr Ala Ser Val Ser Glu
1   5   10   15

Gly Ile Met Thr
            20

<210> 2545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2545
Ser Gln Lys Met Asp Met Ser Asn Ile Val Leu Met Leu Ile Gln Lys
1   5   10   15

Leu Leu Asn Glu
            20

<210> 2546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2546
Arg Arg Arg Arg Glu Ala Met Val Gly Thr Ile Asp Met Thr Leu Gln
1   5   10   15

Ser Asp Ile Met
            20

<210> 2547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2547
Leu Glu Lys Arg Val Lys Glu Leu Gln Met Lys Ile Thr Lys Gln Gln

1 5 10 15

Val Phe Ile Asp
20

<210> 2548
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2548
Leu His Asp Glu Leu Leu Phe Thr Val Glu Arg Glu Lys Arg Lys Asp
1 5 10 15

Glu Leu Leu Asn
20

<210> 2549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2549
Ser Glu Asn Gly Ala Tyr Leu Asp Asn Pro Pro Lys Gly Ala Leu Lys
1 5 10 15

Lys Leu Ile His
20

<210> 2550
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2550
Leu Ala Asn Arg Phe Lys Glu Phe Gly Lys Glu Met Val Lys Leu Asn
1 5 10 15

Tyr Val Ala Ala
20

<210> 2551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2551
Asn Lys Asn Lys Glu Leu Gly Ala Val Ser Leu Asp Gly Tyr Phe His
1   5   10   15

Leu Trp Lys Ala
            20

<210> 2552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2552
Glu Lys Asp Gly Glu Phe Ser Val Leu Gln Leu Val Gly Met Leu Arg
1   5   10   15

Gly Ile Ala Ala
            20

<210> 2553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2553
Ala Leu Arg Val Phe Lys Ala Arg Ile Tyr Thr Asn Arg Tyr Glu Thr
1   5   10   15

Asn Glu Glu Asp
            20

<210> 2554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2554
Lys Glu Leu Asp Ser Gln Leu Gln Asp Ala Ile Gln Lys Met Lys Lys
1   5   10   15

Leu Asp Lys Ile
            20

<210> 2555

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2555
Gln Leu Leu Gln Ser Ala Ser Met Glu Leu Lys Phe Leu Ile Ile Gln
1   5   10   15

Asn Ala Ala Val
            20

<210> 2556
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2556
Leu Ala Asp Thr Asn Ser Leu Ala Val Val Ser Thr Gln Leu Ile Met
1   5   10   15

Pro Gly Gln Glu
            20

<210> 2557
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2557
Pro Ser Leu Lys Gly Gln Arg Asn Arg Pro Gly Met Leu Val Leu Thr
1   5   10   15

Pro Thr Arg Glu
            20

<210> 2558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2558
Leu Thr Glu Ser Lys Glu Thr Ala Ser Ala Met Ala Thr Leu Gly Glu
1   5   10   15

Ala Arg Leu Arg
            20

<210> 2559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2559
Arg Ile Arg Lys Leu Gln Ile Arg Asn Ile Pro Pro His Leu Gln Trp
1   5   10   15

Glu Val Leu Asp
            20

<210> 2560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2560
Asp Leu Arg Ala Val Leu Leu Ile Asn Ser Lys Ser Tyr Val Ser Pro
1   5   10   15

Pro Ser Ser Met
            20

<210> 2561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2561
Lys Asn Leu Leu Lys His Gly Ala Ser Leu Asp Asn Phe His Phe Ile
1   5   10   15

Gly Val Ser Leu
            20

<210> 2562
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2562
Ala Leu Ser Thr Thr Thr Ser Val Asp Val Ser Tyr Lys Lys Ser Tyr
1   5   10   15

Lys Gly Ala Asn
            20

<210> 2563
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2563
Val Ala Ala Arg Arg Gly Thr Thr Ala Met Thr Ser Ala Tyr Ser Arg
1   5   10   15

Ala Thr Ser Ser
            20

<210> 2564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2564
Asp Val Gln Ser Pro Leu Gln Asn Pro Ala Ser Ser Phe Phe Ser Ser
1   5   10   15

Ala Leu Leu Ser
            20

<210> 2565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2565
Glu Val Lys Lys Ala Glu Glu Ala Val Lys Ile Ala Glu Ser Ile Leu
1   5   10   15

Lys Glu Ala Gln
            20

<210> 2566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2566

Tyr Leu Ala Tyr Asp Glu Thr Leu Asn Val Leu Lys Phe Ser Ala Ile
1   5   10   15

Ala Gln Lys Val
            20

<210> 2567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2567
Gly Leu Arg Lys Thr Asp Phe Asp Glu Glu Thr Gln Ala Leu Leu Thr
1   5   10   15

Ala Glu Glu Glu
            20

<210> 2568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2568
Ser Leu Ser Ala Leu Pro Lys Thr Gln His Asp Leu Ser Ser Ile Leu
1   5   10   15

Val Asp Val Trp
            20

<210> 2569
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2569
Val Pro Asn Lys Ala Phe Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala
1   5   10   15

Asp Pro Met Phe
            20

<210> 2570
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2570
Asp Glu Thr Thr Pro Ala Val Val Gln Ser Val Leu Leu Glu Arg Gly
1   5   10   15

Trp Asn Lys Phe
            20

<210> 2571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2571
Thr Val Thr Lys Ser His Lys Arg Gly Met Lys Gly Asp Thr Val Asn
1   5   10   15

Val Arg Arg Ser
            20

<210> 2572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2572
Gly Ala Ser Ala Gln Pro Leu Gln Pro Ser Ser Pro Val Ala Tyr Asp
1   5   10   15

Ile Ile Ser Gln
            20

<210> 2573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2573
Tyr Thr Leu Glu Gln Ala Leu Leu Ser Ala Ser Gln Glu Ile Glu Met
1   5   10   15

His Ala Asp Asn
            20

<210> 2574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2574
Lys Ser Gln Gly Leu Gln Ile Ser Ala Gly Phe Gln Glu Leu Ser Leu
1   5   10   15

Ala Glu Arg Gly
            20

<210> 2575
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2575
Asn Phe Tyr Asp Pro Thr Ser Ala Met Val Leu Gln Gln His Arg Leu
1   5   10   15

Gln Ile Trp Pro
            20

<210> 2576
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2576
Asn Lys Leu Ile Gly Ser Ile Val Leu Thr Lys Tyr Asn Asn Lys Thr
1   5   10   15

Tyr Arg Val Asp
            20

<210> 2577
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2577
Ile Leu Pro Ser Asn Gln Lys Thr Tyr Tyr Asp Ser Ile Lys Lys Tyr
1   5   10   15

Leu Ser Ser Asp

20

<210> 2578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2578
Asp Glu Leu Phe Ser Tyr Leu Ile Glu Lys Val Lys Arg Lys Lys Asn
1 5 10 15

Val Leu Arg Leu
20

<210> 2579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2579
Tyr Asp Val Leu Leu Ser Tyr Pro Asn Lys Thr His Pro Asn Tyr Ile
1 5 10 15

Ser Ile Ile Asn
20

<210> 2580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2580
Ala Phe Ile Asn Met Ala Ala Thr Gly Val Ser Ser Met Ser Thr Arg
1 5 10 15

Asp Gln Tyr Ala
20

<210> 2581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2581
Tyr Val Glu Phe Lys Glu Glu Lys Ser Ala Leu Gln Ala Leu Glu Met
1 5 10 15

Asp Arg Lys Ser
            20

<210> 2582
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2582
Ser Glu Glu Glu Thr Leu Lys Thr Leu Tyr Arg Asn Asn Asn Pro Pro
1   5   10   15

Ala Ser His Leu
            20

<210> 2583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2583
Lys Gln Ile Glu Gln Leu Tyr Ala Ala Gln Leu Ala Ser Met Gln Val
1   5   10   15

Ser Pro Gly Ala
            20

<210> 2584
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2584
Arg Lys Asp Lys Pro Ala Ala Thr Ala Ala Ser Phe Thr Ala Glu Glu
1   5   10   15

Trp Glu Lys Ile
            20

<210> 2585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2585
Glu Ser Leu Phe Glu Glu Leu Ser Ser Ala Gly Ser Gly Leu Ile Gly
1   5   10   15

Asp Val Asp Glu
            20

<210> 2586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2586
Ile Pro Leu Thr Lys Arg Asp Gln Met Lys Leu Asp Ser Ile Leu Arg
1   5   10   15

Arg Pro Tyr Val
            20

<210> 2587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2587
Ser Pro Pro Ala Thr Tyr Arg Trp Lys Met Asn Gly Thr Glu Met Lys
1   5   10   15

Leu Glu Pro Gly
            20

<210> 2588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2588
Arg Pro Ala Lys Ser Lys Lys Leu Asn Lys Leu Val Glu Asn Ser Leu
1   5   10   15

Ser Ile Ser Asn
            20

<210> 2589
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2589
Gln Leu Tyr Asn Trp Ala Ala Pro Glu Val Ile Leu Gln Lys Ala Ala
1   5   10   15

Thr Val Lys Ser
            20

<210> 2590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2590
Glu Leu Gln Thr Tyr His Asp Gln Leu Val Glu Leu Leu Glu Glu Thr
1   5   10   15

Lys Arg Glu Lys
            20

<210> 2591
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2591
Phe His Asn Arg Val Val Arg Ile Met Ile Asp Asp His Asn Val Pro
1   5   10   15

Thr Leu His Gln
            20

<210> 2592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2592
Lys Gln Lys Val Gln Asp Thr Asn Leu Glu Val Asn Lys Leu Lys Asn
1   5   10   15

Ile Leu Lys Ser
            20

<210> 2593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2593
Arg Val Ser Gly Ser Ser Gln Ser Pro Pro Asn Leu Lys Tyr Lys Ser
1   5   10   15

Thr Leu Lys Ile
            20

<210> 2594
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2594
Asp Glu Ala Val Gly Lys Val Ala Arg Lys Gln Leu Leu Asp Trp Leu
1   5   10   15

Leu Ala Asn Leu
            20

<210> 2595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2595
Leu Gln Leu Pro Asp Tyr Tyr Thr Ile Ile Lys Asn Pro Met Asp Leu
1   5   10   15

Asn Thr Ile Lys
            20

<210> 2596
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2596
Asn Val Glu Glu Leu Ile Glu Asp Lys Tyr Lys Ile Ile Leu Glu Lys
1   5   10   15

Asn Asp Thr Lys
            20

<210> 2597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2597
Asp Ala Pro Ala Phe Asn Glu Lys Ala Ser Ile Val Leu Pro Ser Gln
1   5   10   15

Asp Asp Phe Ser
            20

<210> 2598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2598
Arg Ala Asn Arg Asp Tyr Val Phe Lys Gln Val Gln Glu Ala Ile Ala
1   5   10   15

Gly Ile Ser Asn
            20

<210> 2599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2599
Trp Val Tyr Arg Gly Glu Ala Glu Arg Ile Phe Ile Glu Leu Lys Phe
1   5   10   15

Thr Val Arg Asp
            20

<210> 2600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2600
Gln Arg Arg Glu Lys Glu Ile Lys Lys Gln Gly Leu Glu Met Arg Ile

1 5 10 15

Lys Leu Trp Glu
20

<210> 2601
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2601
Glu Leu Lys Phe Leu Ile Ile Gln Asn Ala Ala Val Phe Gln Glu Ala
1 5 10 15

Phe Glu Ile Val
20

<210> 2602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2602
Glu Lys Val Pro Val Ser Glu Val Met Gly Thr Thr Leu Ala Glu Met
1 5 10 15

Ser Thr Pro Glu
20

<210> 2603
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2603
Gly Arg Thr Gly Arg Ala Gly Arg Thr Gly Val Ser Ile Thr Thr Leu
1 5 10 15

Thr Arg Asn Asp
20

<210> 2604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2604
Asn Leu Asn Asn Met Pro Val Met Glu Gln Ser Val Leu Ala His Ile
1   5   10   15

Thr Ala Asp Ile
            20

<210> 2605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2605
Val Asn Thr Asp Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser Ser
1   5   10   15

Lys Asp Gln Ala
            20

<210> 2606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2606
Lys Ile Pro Lys Glu Lys Leu Pro Asp Phe Ser Trp Glu Leu His Ile
1   5   10   15

Ser Glu Leu Lys
            20

<210> 2607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2607
Glu Arg Met Glu Gly Arg Pro Leu Arg Thr Thr Val Phe Leu Asp Thr
1   5   10   15

Ser Gly Thr Tyr
            20

<210> 2608

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2608
Arg Ala Gly Arg Glu His Phe Ala Phe Gly Glu Pro Arg Glu Leu Leu
1   5   10   15

Thr Lys Val Trp
            20

<210> 2609
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2609
Pro Leu Asn Ser Phe Gln Tyr Gln Arg Arg Gln Ala Met Gly Ile Pro
1   5   10   15

Phe Ile Ile Gln
            20

<210> 2610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2610
Val Ser Leu Asp Ser Asn Ser Asn Ser Lys Ile Leu Asn Val Lys Arg
1   5   10   15

Ala Thr Ile Ser
            20

<210> 2611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2611
Phe Val Lys Gln Ala Val Asn Leu Leu Gln Glu Ala Asn Phe His Ile
1   5   10   15

Ile Asp Asn Val
            20

<210> 2612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2612
Val Glu Met Arg Asp Val His Lys Asp Gln Gln Leu Arg His Thr Pro
1   5   10   15

Tyr Ser Ile Arg
            20

<210> 2613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2613
Glu Leu Glu Val Lys Gln Gln Leu Glu Gln Ala Leu Arg Ile Gln Asp
1   5   10   15

Ile Glu Leu Lys
            20

<210> 2614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2614
Ser Thr Asp Val Leu Val Lys Arg Lys Leu Val His Asp Ile Ile Asp
1   5   10   15

Leu Ile Tyr Leu
            20

<210> 2615
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2615
Gln Leu Ala Asp Leu Gln Gln Leu Pro Asp Ile Leu Lys Ile Thr Glu
1   5   10   15

Ala Lys Leu Ala
            20

<210> 2616
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2616
Val Ala Glu Asn Ile Ser Ser Leu Leu Gly His Leu Pro Ala Glu Ile
1   5   10   15

Val Gly Lys Lys
            20

<210> 2617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2617
Thr Leu Arg Lys Thr Lys Lys Met Met Asp Leu Arg Thr Glu Arg Pro
1   5   10   15

Arg Ser Ala Val
            20

<210> 2618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2618
Asn Glu Tyr Met Pro Ser Arg Ile Ile Val Tyr Arg Asp Gly Val Gly
1   5   10   15

Asp Gly Gln Leu
            20

<210> 2619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2619

Arg Thr Leu Gly Arg Gly Ser Ser Asp Ala Ser Leu Leu Pro Leu Gly
1   5   10   15

Arg Ala Ala Gly
            20

<210> 2620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2620
Glu Arg Arg Ile Gly Gly Val Phe Gln Asp Leu Val Val Asn Thr Arg
1   5   10   15

Gln Asp Met Lys
            20

<210> 2621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2621
Gln Leu Tyr Gln Tyr His Val Thr Tyr Ile Pro Asp Leu Ala Ser Arg
1   5   10   15

Arg Leu Arg Ile
            20

<210> 2622
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2622
Ser Arg Tyr Ile Ser Met Ser Val Trp Thr Ser Pro Arg Arg Leu Val
1   5   10   15

Glu Leu Ala Gly
            20

<210> 2623
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2623
Leu Gln Asp Phe Asp Lys Ser Asn Pro Ile Val Leu Arg Met Met Asn
1   5   10   15

Asp Gln Leu Met
            20

<210> 2624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2624
Gly Ile Pro Ser Met Ser Thr Lys Asp Leu Tyr Ala Thr Val Thr Gln
1   5   10   15

Asn Val His Glu
            20

<210> 2625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2625
Asn Glu Gln Arg Met Lys Ala Ala Glu Lys Glu Ala Ala Leu Val Gln
1   5   10   15

Gln Glu Glu Glu
            20

<210> 2626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2626
Lys Met Lys Asp Leu Thr Phe Leu Leu Glu Glu Ser Arg Asp Lys Val
1   5   10   15

Asn Gln Leu Glu
            20

<210> 2627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2627
Ser Leu Tyr Ser Phe Arg Asn Thr Ser Thr Ser Pro His Lys Pro Asp
1   5   10   15

Glu Gly Ser Arg
            20

<210> 2628
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2628
Arg Ser Gly Gln Phe Ala Glu Ala Ala Gly Lys Tyr Ser Ala Ala Ile
1   5   10   15

Ala Leu Leu Glu
            20

<210> 2629
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2629
Leu Met Pro Leu Val Val Ala Val Leu Glu Asn Leu Asp Ser Val Phe
1   5   10   15

Ala Gln Asp Gln
            20

<210> 2630
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2630
Ser Ser Ser Glu Val Leu Ala Ser Ile Glu Asn Ile Ile Gln Asp Ile
1   5   10   15

Ile Thr Ser Leu

20

<210> 2631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2631
Phe Ala Phe Gly Asn Pro Val Pro Arg Ile Lys Trp Arg Lys Val Asp
1 5 10 15

Gly Ser Leu Ser
20

<210> 2632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2632
Asn Ser Gly Lys Leu Leu Asp His Val Leu Ile Glu Met Gly Tyr Gly
1 5 10 15

Leu Lys Pro Ser
20

<210> 2633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2633
Lys Ala Val Val Ser Gly Asn Tyr Leu Glu Ala Asp Val Arg Leu Pro
1 5 10 15

Lys Pro Tyr Tyr
20

<210> 2634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2634
Asn Ile His Thr Ser Leu Ala Ile Ala Gln Lys Leu Met Glu Leu Lys
1 5 10 15

Leu Gly Lys Ile
            20

<210> 2635
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2635
Ile Tyr Ser Ile Pro Arg Tyr Val Arg Asp Leu Lys Ile Gln Ile Glu
1   5   10   15

Met Glu Lys Lys
            20

<210> 2636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2636
Arg Met Glu Gln Met Ser Asn Met Thr Leu Met Lys Glu Thr Ile Ser
1   5   10   15

Thr Val Glu Lys
            20

<210> 2637
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2637
Lys Asp Thr Thr Ile Ala Thr Ile Leu Leu Lys Lys Val Leu Leu Lys
1   5   10   15

His Ala Lys Glu
            20

<210> 2638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2638
Met Met Ala Tyr Ser Asp Thr Thr Met Met Ser Asp Asp Ile Asp Trp
1   5   10   15

Leu Arg Ser His
            20

<210> 2639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2639
Gly Leu His Asn Tyr Tyr Asp Val Val Lys Asn Pro Met Asp Leu Gly
1   5   10   15

Thr Ile Lys Glu
            20

<210> 2640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2640
Lys Lys Thr Leu Gln Asn Leu Glu Glu Val Leu Ala Asn Thr Gln Lys
1   5   10   15

His Leu Gln Glu
            20

<210> 2641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2641
Ile Thr Leu Ser Ser Ile Phe Thr Lys Asp Leu Val Glu Lys His Asn
1   5   10   15

Leu Pro Trp Ser
            20

<210> 2642
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2642
Ser Thr Lys Tyr Gln Lys Val Tyr Gly Thr Ala Ala Val Asn Ser Pro
1   5   10   15

Val Val Ser Trp
            20

<210> 2643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2643
Val Met Trp Glu Val Met Thr Tyr Gly Glu Arg Pro Tyr Trp Glu Leu
1   5   10   15

Ser Asn His Glu
            20

<210> 2644
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2644
Glu Gly Asp Gln Ser Gly Trp Val Val Pro Val Lys Gly Tyr Glu Leu
1   5   10   15

Ala Val Thr Gln
            20

<210> 2645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2645
Val Ile Tyr Thr Gln Leu Met Asn Pro Gly Leu Pro Asp Ser Ala Leu
1   5   10   15

Asp Ile Asn Glu
            20

<210> 2646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2646
Pro Asp Gly Gln Val Ile Trp Val Asn Asn Thr Ile Ile Asn Gly Ser
1   5   10   15

Gln Val Trp Gly
            20

<210> 2647
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2647
Pro Glu Glu Leu Val Ser Met Ala Glu Arg Phe Lys Ala His Gln Gln
1   5   10   15

Lys Arg Glu Met
            20

<210> 2648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2648
His Val Glu Arg Lys Ile Leu Asp Leu Phe Gln Leu Asn Lys Leu Val
1   5   10   15

Ala Glu Glu Gly
            20

<210> 2649
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2649
Pro Lys Asp Val Phe Asp Pro Leu Met Ile Glu Ser Lys Lys Ala Ala
1   5   10   15

Thr Val Val Leu
20

<210> 2650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2650
Ala Thr Thr Phe Ile Tyr Asn Arg Ala Val Lys Asn Thr Arg Lys Val
1 5 10 15

Ala Val Ser Leu
20

<210> 2651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2651
Ser Val Leu Gln Ile Pro Val Ser Ala Ala Ser Ser Ser Thr Leu Val
1 5 10 15

Ser Ile Phe Gln
20

<210> 2652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2652
Gly Val Asn Val Glu Asn Arg Ser Gln Ala Gly Met Phe Ile Tyr Ser
1 5 10 15

Asn Asn Arg Leu
20

<210> 2653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2653
Ile Leu Gln Ile Glu Asp Ser Glu Met Ser Arg Val Ile Arg Val Ser

1 5 10 15

Glu Leu Ser Leu
20

<210> 2654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2654
Leu Lys Lys Glu Glu Phe Arg Lys Phe Lys Glu His Leu Lys Gln Met
1 5 10 15

Thr Leu Gln Leu
20

<210> 2655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2655
Leu Ser Asp Ile Thr Glu Lys Ala Pro Lys Val Lys Thr Leu Asn Leu
1 5 10 15

Ser Lys Asn Lys
20

<210> 2656
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2656
Ala Phe Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala
1 5 10 15

Phe Glu Leu Lys
20

<210> 2657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2657
Tyr Asn Glu Asp Asp Ser Val Val Glu Lys Ala Val Ser Val Arg Pro
1   5   10   15

Glu Ala Ala Pro
            20

<210> 2658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2658
His Glu Leu Ala Glu Thr Glu His Glu Asn Thr Val Leu Arg His Asn
1   5   10   15

Ile Glu Arg Met
            20

<210> 2659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2659
Asp Lys Val Asn Pro Lys Ser Ser Gln Arg Lys Leu Asn Trp Ile Pro
1   5   10   15

Ser Phe Pro Thr
            20

<210> 2660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2660
Glu Glu Glu Thr Arg Gly Val Ile Ser Tyr Gln Thr Leu Pro Arg Asn
1   5   10   15

Met Pro Ser His
            20

<210> 2661

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2661
Ile Asp Val Glu Val Thr Arg Pro Glu Trp Tyr Asp Phe Phe Ile Val
1   5   10   15

Ser Gln Ala Val
            20

<210> 2662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2662
Ala Phe Asp Gly Ser Ile Leu Tyr Leu Pro Val Lys Leu Gln Gln Val
1   5   10   15

Leu Glu Leu Lys
            20

<210> 2663
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2663
Gly Ser Lys Ile Thr Tyr Ile Asp Tyr Tyr Arg Gln Gln His Lys Glu
1   5   10   15

Ile Val Thr Val
            20

<210> 2664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2664
Leu Lys Lys Lys Arg Asn Asp Asn Ser Glu Ala Gln Leu Ala His Leu
1   5   10   15

Ile Pro Glu Leu
            20

<210> 2665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2665
Pro Met Gln Asp Ile Lys Met Ile Leu Lys Met Val Gln Leu Asp Ser
1   5   10   15

Ile Glu Asp Leu
            20

<210> 2666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2666
Phe Ser Thr Gln Lys Val Lys Met His Ile His Ser Thr Asn Glu Val
1   5   10   15

Thr Arg Ile Tyr
            20

<210> 2667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2667
Pro Pro Glu Glu Leu His Ala Ala Ala Tyr Val Phe Thr Asn Asp Gly
1   5   10   15

Gln Gln Met Arg
            20

<210> 2668
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2668
Arg Gln Lys Met Ser Glu Ile Phe Pro Leu Thr Glu Glu Leu Trp Leu
1   5   10   15

Glu Trp Leu His
            20

<210> 2669
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2669
Glu Ser Lys Lys Lys Arg Lys Met Ala Phe Glu Phe Asp Ile Asn Ser
1   5   10   15

Asp Ser Ser Glu
            20

<210> 2670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2670
Ser Lys Asp Trp Lys Glu Lys Met Glu Arg Leu Asn Thr Ser Glu Leu
1   5   10   15

Leu Gly Glu Ile
            20

<210> 2671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2671
His Pro Phe Ser Met Lys Pro Leu Leu Arg Arg Ala Met Ala Tyr Glu
1   5   10   15

Thr Leu Glu Gln
            20

<210> 2672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2672

Asn Glu Gln Leu Ile Thr Gln Tyr Glu Arg Glu Lys Ala Leu Arg Lys
1   5   10   15

His Ala Glu Glu
            20

<210> 2673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2673
Ala Val Pro Ser Asn Ile Gln Gly Ile Arg Asn Leu Val Thr Asp Ala
1   5   10   15

Lys Phe Val Leu
            20

<210> 2674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2674
Ser Thr Gly Ile Leu Ser Val Arg Asp Ala Thr Lys Ile Thr Leu Ala
1   5   10   15

Pro Ser Ser Ala
            20

<210> 2675
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2675
Lys Glu Ile Leu Pro Asn Gly His Val Lys Val His Phe Val Asp Tyr
1   5   10   15

Gly Asn Ile Glu
            20

<210> 2676
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2676
Pro Pro Pro Ser Gln Glu Leu Leu Asp Asp Ile Glu Leu Leu Lys Gln
1   5   10   15

Gln Gln Gly Ser
            20

<210> 2677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2677
Glu Asn Gln Ile Asp Thr Ala Phe Leu Ser Ser Thr Ser Lys Tyr Glu
1   5   10   15

Lys Leu Glu Lys
            20

<210> 2678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2678
Lys Gln Lys Ala Arg Arg Ile Tyr Pro Ser Asp Phe Ala Val Glu Ile
1   5   10   15

Leu Phe Gly Glu
            20

<210> 2679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2679
Gln Ser Gln Ile Ala Leu Gln Glu Lys Glu Ser Glu Ile Gln Leu Leu
1   5   10   15

Lys Glu His Leu
            20

<210> 2680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2680
Val Phe Ser His Gly Ser Gln Lys Ala Thr Asp Ile Met Asp Ala Met
1   5   10   15

Leu Arg Lys Leu
            20

<210> 2681
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2681
Asn Ser Ser Asp Asp Ser Glu Asp Glu Arg Val Lys Arg Leu Ala Lys
1   5   10   15

Leu Gln Glu Gln
            20

<210> 2682
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2682
Asn Ile Glu Asn Tyr Ser Thr Asn Ala Leu Ile Gln Pro Val Asp Thr
1   5   10   15

Ile Ser Ile Ser
            20

<210> 2683
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2683
Glu Leu Asn Asp Met Val Ala Val His Gln Gln Gln Leu Leu Ser Trp
1   5   10   15

Glu Glu Asp Arg

20

<210> 2684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2684
Asn Glu Phe Asp Asn Lys Ile Ile Leu Asp Pro Met Thr Phe Ser Glu
1 5 10 15

Ala Arg Phe Arg
20

<210> 2685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2685
Ile Val Ser Ile Leu Asp Lys Leu Ile Arg Ala Pro Asp Ser Leu Lys
1 5 10 15

Thr Leu Ala Asp
20

<210> 2686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2686
Gly Ser Arg Ser Ser Asn Ala Ser Leu Glu Val Leu Ser Thr Glu Pro
1 5 10 15

Gly Ser Phe Lys
20

<210> 2687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2687
Phe Thr Asp Val Ser Leu Tyr Ile Leu Gly Ser Asp Ile Asn Val Asp
1 5 10 15

Asp Met Val Asn
            20

<210> 2688
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2688
Arg Ser Tyr Val Pro Leu Ala His Ser Ser Ser Ala Phe Thr Ile Thr
1   5   10   15

Asp Gln Val Pro
            20

<210> 2689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2689
Leu Leu Met Glu Ala Gln Leu Leu Gln Val Ser Leu Pro Glu Ile Gln
1   5   10   15

Glu Leu Tyr Gln
            20

<210> 2690
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2690
Pro Val Ile Gln Leu Leu Ala Leu Lys Thr Leu Gly Val Ile Ala Asn
1   5   10   15

Asp Lys Glu Ser
            20

<210> 2691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2691
Phe Ser Phe Lys Leu Leu Asn Gln Leu Gly Met Ile Glu Glu Pro Arg
1   5   10   15

Leu Tyr Glu Lys
            20

<210> 2692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2692
Gln Ser Pro Pro Glu Gly Glu Asn Thr His Ser Pro Leu Gln Ile Val
1   5   10   15

Pro Ser Leu Pro
            20

<210> 2693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2693
Glu Gly Asp Leu Glu Gln Thr Asp Thr Tyr Leu Glu Ala Leu Leu Lys
1   5   10   15

Glu Asp Asn Leu
            20

<210> 2694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2694
Asn Met Ala Asn Ser Ile Lys Phe Ser Val Trp Val Ser Phe Phe Glu
1   5   10   15

Ile Tyr Asn Glu
            20

<210> 2695
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2695
His Tyr Glu Glu Gln Gln Ala Trp Asn Ile Thr Leu Arg Ile Phe Gln
1   5   10   15

Lys Met Asp Arg
            20

<210> 2696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2696
Leu Leu Arg Arg Thr Lys Arg Asp Ile Val Asp Ser Leu Ser Ala Leu
1   5   10   15

Pro Lys Thr Gln
            20

<210> 2697
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2697
Ala Asn Ile Leu Ile Asp Ser Gly Ala Asp Ile Asn Leu Val Asp Val
1   5   10   15

Tyr Gly Asn Thr
            20

<210> 2698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2698
Thr Asp Ile Asn Thr Leu Thr Arg Gln Lys Glu Leu Leu Leu Gln Lys
1   5   10   15

Leu Ser Thr Phe
            20

<210> 2699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2699
Thr Gln Leu Leu Gln Gln Leu Tyr Thr Ser Lys Ala Val Ser Asp Glu
1   5   10   15

Ala Val Leu Thr
            20

<210> 2700
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2700
Lys Gln Asp Ser Thr Gly Met Lys Leu Trp Lys Lys Arg Trp Phe Val
1   5   10   15

Leu Ser Asp Leu
            20

<210> 2701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2701
Leu Phe Leu Pro Lys Arg Leu Gln Gln Lys Val Thr Glu Val Phe Ser
1   5   10   15

Lys Thr Arg Asn
            20

<210> 2702
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2702
His Arg Pro Ser Glu Arg Gln Asp Asn His Gly Met Leu Leu Lys Gly
1   5   10   15

Glu Ile Leu Leu
20

<210> 2703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2703
Pro Met Gly Ile Thr Met Lys Pro Ala Glu Met Ile Glu Val Asp Gly
1 5 10 15

Asp Ala Asn Ser
20

<210> 2704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2704
Ala Ser Arg Arg Leu Arg Ile Ala Leu Leu Tyr Ser His Ser Glu Leu
1 5 10 15

Ser Asn Lys Ala
20

<210> 2705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2705
Arg Leu Ser Glu Gly Asp Val Met His Leu Ser Gln Ser Pro Ser Val
1 5 10 15

Ser Gln Leu Ser
20

<210> 2706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2706
Ser Gly Lys Ile Val Ile Ala Arg Tyr Gly Lys Val Phe Arg Gly Asn

1 5 10 15

Lys Val Lys Asn
20

<210> 2707
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2707
Arg His Ser Ser Ser Lys Arg Arg Lys Ser Met Ser Ser Trp Leu Asp
1 5 10 15

Lys Gln Glu Asp
20

<210> 2708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2708
Tyr Val Glu Ile Trp Gln Ala Tyr Leu Asp Tyr Leu Arg Arg Arg Val
1 5 10 15

Asp Phe Lys Gln
20

<210> 2709
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2709
Ala Val Pro Ser Gln Thr Val Ser Arg Asn Phe Thr Ser Val Asp His
1 5 10 15

Gly Ile Ser Lys
20

<210> 2710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2710
Ile Gly Gly Ser Leu Gly Arg Gly Ser Ser Leu Asp Ile Leu Ser Ser
1   5   10   15

Leu Asn Ser Pro
            20

<210> 2711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2711
Asn Trp Arg Glu Lys Leu Ser Pro Ile Pro Ala Val Pro Ala Ser Val
1   5   10   15

Pro Leu Gln Ala
            20

<210> 2712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2712
Ala Ala Thr Ser Pro Ser Thr Asn Gly Ala Ser Pro Val Met Asp Lys
1   5   10   15

Pro Pro Glu Met
            20

<210> 2713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2713
Arg Lys Glu Met Glu Ile Met Ala Asp Ser Lys Met Lys Ala Glu Ile
1   5   10   15

Gln Ala Leu Thr
            20

<210> 2714

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2714
Leu Val Ser Ser Ser Ala Trp Ser Ser Ala Leu Gly Ser Gln Thr Thr
1   5   10   15

Phe Gly Pro Val
            20

<210> 2715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2715
Tyr Gly Asn Ile Glu Glu Val Thr Ala Asp Glu Leu Arg Met Ile Ser
1   5   10   15

Ser Thr Phe Leu
            20

<210> 2716
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2716
Arg Val Gln Arg Tyr Gly Leu His Pro Asp Val Asn Val Tyr Leu Gly
1   5   10   15

Leu Thr Ser Glu
            20

<210> 2717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2717
Asp Ser Gln Ser Asp Leu Thr Leu His Ser Glu Ile Ala Tyr Ile Ser
1   5   10   15

Lys Pro Gly Ile
            20

<210> 2718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2718
Gly Val Lys Thr Pro Ser Gln Lys Arg Tyr Val Ala Tyr Phe Ala Gln
1   5   10   15

Val Lys His Leu
            20

<210> 2719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2719
Val Ser Ala Leu Leu Leu Ile Gln Tyr His Leu Ala Gln Gly Gly Arg
1   5   10   15

Arg Asp Ala Arg
            20

<210> 2720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2720
Lys Pro Gly Asp Asp Ile Val Leu Met Ala Gln Ala Leu Glu Lys Leu
1   5   10   15

Phe Met Gln Lys
            20

<210> 2721
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2721
Glu Glu Arg Asn Lys His Leu Glu Asp Leu Ile Arg Lys Pro Arg Glu
1   5   10   15

Lys Ala Arg Lys
            20

<210> 2722
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2722
Asn His Pro Lys Val Asp Ile Lys Arg Glu Lys Asn Gln Lys Ser Leu
1   5   10   15

Phe Lys Asp Gln
            20

<210> 2723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2723
Asp Gly Val Arg Asp Ile Arg Lys Ala Val Leu Met Ile Arg Thr Pro
1   5   10   15

Glu Glu Leu Glu
            20

<210> 2724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2724
Lys Glu Val Pro Val Ala Ile Lys Thr Leu Lys Ala Gly Tyr Thr Glu
1   5   10   15

Lys Gln Arg Val
            20

<210> 2725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2725

Val Val Met Val Asp Arg Glu Lys Lys Arg Leu Val Glu Leu Leu Lys
1   5   10   15

Asp Leu Asp Glu
            20

<210> 2726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2726
Tyr Gln Leu Thr Ala Arg Leu Asn Met Glu Gln Leu Leu Gln Ser Ala
1   5   10   15

Ser Met Glu Leu
            20

<210> 2727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2727
Pro Ser Ala Ala Glu Leu Gln Asp Leu Leu Asp Val Ser Phe Glu Phe
1   5   10   15

Asp Val Glu Leu
            20

<210> 2728
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2728
Leu Val Arg Gly Glu Tyr Gly Arg Ala Trp Asn Glu Val Met Leu Gln
1   5   10   15

Asn Asp Ser Arg
            20

<210> 2729
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2729
Ser Leu Thr Asp Ser Glu Ser Leu Ile Glu Ser Glu Pro Leu Phe Thr
1   5   10   15

Tyr Thr Leu Asp
            20

<210> 2730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2730
Met Lys Arg Ser Ser Ser Leu Pro Ser Trp Lys Ser Leu Leu Asn Val
1   5   10   15

Pro Met Glu Asp
            20

<210> 2731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2731
Leu Lys Leu Gly Ile Lys His Gln Ser Val Ala Phe Thr Lys Leu Asn
1   5   10   15

Asn Ala Ser Ser
            20

<210> 2732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2732
Asp Leu Arg Arg Asn Gly Val Val Asp Ala Asp Ile Pro Ala Leu Leu
1   5   10   15

Gly Thr Lys Ile
            20

<210> 2733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2733
Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys
1   5   10   15

Ser Val Pro Asn
            20

<210> 2734
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2734
Glu Gln Leu His Val Gln Leu Ala Asp Lys Asp Leu Tyr Val Ala Glu
1   5   10   15

Ala Leu Ser Thr
            20

<210> 2735
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2735
Val Glu Gln Tyr Gly Pro Gln Glu Asn Val His Met Phe Val Asp Ser
1   5   10   15

Asp Ser Thr Tyr
            20

<210> 2736
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2736
Asp Arg Pro Leu Thr Lys Ile Asn Ser Val Lys Leu Asn Ser Leu Pro
1   5   10   15

Ser Glu Tyr Glu

20

<210> 2737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2737
Gly Val Gly Asp Gly Gln Leu Lys Thr Leu Val Asn Tyr Glu Val Pro
1 5 10 15

Gln Phe Leu Asp
20

<210> 2738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2738
Ser Ile Asn Leu Thr Leu Thr Lys Trp Tyr Ser Arg Val Val Phe Gln
1 5 10 15

Met Pro His Gln
20

<210> 2739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2739
Leu Ala Phe Ile Val Val Lys Lys Arg Ile Asn Thr Arg Phe Phe Leu
1 5 10 15

Lys His Gly Ser
20

<210> 2740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2740
Ala Ser Ser Ser Asn Gly Phe Leu Gly Thr Ser Arg Ile Ser Thr Asn
1 5 10 15

Asp Lys Tyr Gly
            20

<210> 2741
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2741
Ser Leu Ser Gly Val Met Leu Thr Asp Val Ser Pro Glu Pro Leu Gln
1   5   10   15

Ala Leu Leu Glu
            20

<210> 2742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2742
Met Pro Glu Gly Asp Leu Val Tyr Val Asn Tyr Ala Arg Thr Glu Asp
1   5   10   15

Phe Phe Lys Leu
            20

<210> 2743
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2743
Thr Asn Asp Gly Gln Gln Met Arg Ser Asp Glu Val Asn Leu Val Ala
1   5   10   15

Thr Gly His Gln
            20

<210> 2744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2744
Ala His Gly Thr Val Lys Asp Leu Arg Leu Val Thr Asn Arg Ala Gly
1   5   10   15

Lys Pro Lys Gly
            20

<210> 2745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2745
Glu Ser Asn Lys Ala Arg Ala Ala His Ser Phe Val Val Thr Glu Phe
1   5   10   15

Glu Thr Thr Val
            20

<210> 2746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2746
Leu Asn Ser Pro Ala Leu Phe Gly Asp Gln Asp Thr Val Met Lys Ala
1   5   10   15

Ile Gln Glu Ala
            20

<210> 2747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2747
Leu Ala Ile Thr Ala Pro Lys Asp Leu Pro Met Phe Leu Ser Asn Lys
1   5   10   15

Leu Glu Gly Asp
            20

<210> 2748
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2748
Met Ser Glu Arg Val Ser Gly Leu Ala Gly Ser Ile Tyr Arg Glu Phe
1   5   10   15

Glu Arg Leu Ile
            20

<210> 2749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2749
Ser Gly Pro Ser Ser Lys Ile Arg Thr Arg Glu Ala Ala Pro Ser Val
1   5   10   15

Ala Pro Ser Gly
            20

<210> 2750
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2750
Glu Ile Ile Pro Leu Asn Arg Ile Tyr His Leu Asn Arg Asn Ile Asp
1   5   10   15

Leu Phe Pro Pro
            20

<210> 2751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2751
Asp Ile Pro Trp Lys Gly Leu Asp Gly Ser Val Val Lys Lys Ala Val
1   5   10   15

Val Ser Gly Asn
            20

<210> 2752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2752
Thr Pro Lys Lys Val Glu Met Gln Arg Ser Leu Pro Gly Ser Leu Leu
1   5   10   15

Pro Leu Glu Asn
            20

<210> 2753
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2753
His Leu Phe His Gln Lys Arg Gln Leu Glu Lys Leu Ile Arg Arg Arg
1   5   10   15

Val Ser Glu Asn
            20

<210> 2754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2754
Ser Phe Tyr Ala Asn Arg Leu Thr Asn Leu Val Ile Ala Met Ala Arg
1   5   10   15

Lys Glu Ile Asn
            20

<210> 2755
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2755
Ser Val Phe Pro Lys Thr Ser Ile Ser Pro Leu Asn Val Val Gln Gly
1   5   10   15

Ala Ser Val Asn
20

<210> 2756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2756
Leu Ser Lys Lys Glu Glu Glu Val Glu Arg Leu Gln Gln Leu Lys Lys
1 5 10 15

Glu Leu Glu Lys
20

<210> 2757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2757
Gln Ala Phe Leu Arg His Pro Asp Val Ala Ala Thr Arg Ala Asn Arg
1 5 10 15

Asp Tyr Val Phe
20

<210> 2758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2758
Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln Ala
1 5 10 15

Leu Thr Gln Glu
20

<210> 2759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2759
Leu Glu Met Arg Ile Lys Leu Trp Glu Glu Ile Lys Ser Ala Lys Tyr

1 5 10 15

Ser Glu Ala Trp
20

<210> 2760
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2760
Asn Asn Tyr Pro Ser Leu Thr Pro Gln Ala Phe Glu Phe Val Gly Glu
1 5 10 15

Phe Phe Thr Asp
20

<210> 2761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2761
Pro Asp Asp Trp Asp Asn Arg Thr Ser Tyr Leu His Ser Pro Phe Ser
1 5 10 15

Thr Gly Arg Ser
20

<210> 2762
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2762
Ile Ser Glu Leu Lys Phe Gln Leu Lys Ser Asn Val Ile Pro Ile Gly
1 5 10 15

His Val Lys Lys
20

<210> 2763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2763
Glu Arg Thr Gln Ser Thr Phe Glu Gly Phe Ala Gln Ser Pro Leu Gln
1   5   10   15

Ile Pro Val Ser
            20

<210> 2764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2764
Leu Pro Ser Ile Pro Leu Gly Thr Met Ser Thr Ile Ser Pro Ser Lys
1   5   10   15

Asn Glu Lys Glu
            20

<210> 2765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2765
Asn Ala Ser Ser Arg Ser His Ser Ile Phe Thr Val Lys Ile Leu Gln
1   5   10   15

Ile Glu Asp Ser
            20

<210> 2766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2766
Phe Phe Lys Asp Pro Lys Arg Ala Met Glu Ala Phe Asn Leu Val Arg
1   5   10   15

Glu Ser Glu Gln
            20

<210> 2767

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2767
Val Ile Glu Val His Asn Lys Ala Ser Leu Thr Pro Leu Leu Leu Ser
1   5   10   15

Ile Thr Lys Arg
            20

<210> 2768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2768
Ala Pro Met Glu Asp Lys Leu Asn Gln Ala His Leu Glu Val Gln Gln
1   5   10   15

Leu Lys Ala Ser
            20

<210> 2769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2769
Leu Glu Leu Met Met Asp His Leu Gln Lys Gln Pro Asn Thr Leu Arg
1   5   10   15

His Val Val Ile
            20

<210> 2770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2770
Pro Ala Gln Thr Val His Tyr Arg Pro Ile Asn Leu Ser Ser Ser Glu
1   5   10   15

Asn Lys Ile Val
            20

<210> 2771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2771
Phe Arg Leu Thr Ser Arg Pro Gln Trp Ala Leu Tyr Gln Tyr His Ile
1   5   10   15

Asp Tyr Asn Pro
            20

<210> 2772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2772
Leu Val Ser Met Phe Arg Gly Leu Gly Ile Glu Thr Val Ser Lys Thr
1   5   10   15

Pro Leu Lys Arg
            20

<210> 2773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2773
Leu Leu Asn Ala Met Pro Leu His Ser Trp Leu Ile Leu Tyr Ser Arg
1   5   10   15

Ser Ser His Arg
            20

<210> 2774
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2774
Glu Lys Gln Leu Ile Gly Leu Ile Val Leu Thr Arg Tyr Asn Asn Arg
1   5   10   15

Thr Tyr Ser Ile
            20

<210> 2775
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2775
Lys Tyr Ala Gly Glu Ser Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp
1   5   10   15

Ile Glu Ser Lys
            20

<210> 2776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2776
Ile Asn Asp Asp Ile Lys Tyr Gln Leu Met Lys Glu Val Arg Arg Phe
1   5   10   15

Gly Gln Asn Tyr
            20

<210> 2777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2777
His Val Asp Leu Ile Arg Leu Leu Arg Leu Glu Gly Glu Leu Thr Lys
1   5   10   15

Val Arg Met Ala
            20

<210> 2778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2778

Gly Ser Thr Leu Lys Phe Gly Ala Ile Arg Lys Met Arg Glu Asp Arg
1   5   10   15

Trp Ala Val Ile
            20

<210> 2779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2779
Gly Ala Thr Val Ala Glu Ala Arg Val Tyr Arg Asp Ala Arg Gly Arg
1   5   10   15

Ala Ser Ser Glu
            20

<210> 2780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2780
Gly Leu Gln Leu Ala Asn Asp Ser Val Asn Arg Leu Ser Arg Ile Leu
1   5   10   15

Met Glu Leu Asp
            20

<210> 2781
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2781
Ile Leu Glu Asn Thr Gln Leu Leu Glu Thr Lys Asn Ala Leu Asn Ile
1   5   10   15

Val Lys Asn Asp
            20

<210> 2782
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2782
Glu Tyr Gln Asn Gly Asp Gly Phe Gly Tyr Leu Leu Ser Phe Arg Arg
1   5   10   15

Gln Gly Ser Thr
            20

<210> 2783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2783
Ser Ile Lys Ile Val Asp Ile Leu Glu Glu Glu Val Val Thr Phe Ala
1   5   10   15

Val Glu Val Glu
            20

<210> 2784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2784
Ser Ser Thr Ala Gln Glu Asn Leu Ala Leu Glu Thr Ser Ser Pro Ile
1   5   10   15

Glu Glu Asp Phe
            20

<210> 2785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2785
Ser Tyr Gly Glu Asn Ile Val Glu Leu Ser Ser Ser Asp Ser Ser Leu
1   5   10   15

Leu Leu Lys Asp
            20

<210> 2786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2786
Val Phe Asp Gly Leu Pro Leu Tyr Asp Asp Val Lys Val Gln Phe Phe
1   5   10   15

Tyr Ser Asn Leu
            20

<210> 2787
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2787
Ala Gly Asp Gly Arg Leu Arg Leu Ala Arg Leu Ala Leu Val Leu Leu
1   5   10   15

Gly Trp Val Ser
            20

<210> 2788
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2788
Glu Leu Leu His Thr Phe Leu Arg Trp Lys Thr Ser Tyr Leu Val Leu
1   5   10   15

Arg Pro His Asp
            20

<210> 2789
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2789
Asn Lys Thr Leu Gly Thr Phe Ser Ile Ala Val Ala His His Leu Gly
1   5   10   15

His Asn Leu Gly

20

<210> 2790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2790
Ile Ala Arg Arg His Pro Phe Leu Tyr Ala Pro Thr Ile Leu Leu Trp
1 5 10 15

Ala Ala Arg Tyr
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<210> 2791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2791
Met Ala Ala Arg Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
1 5 10 15

Ala Arg Leu Met
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<210> 2792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2792
Met Ala Ala Gly Val Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
1 5 10 15

Ala Arg Leu Met
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<210> 2793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2793
Met Ala Ala Gly Ala Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln
1 5 10 15

Ala Arg Leu Met
            20

<210> 2794
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2794
Tyr Lys Asp Ala Tyr Lys Phe Ala Ala Asp Val Arg Leu Met Phe Met
1   5   10   15

Asn Cys Tyr Lys
            20

<210> 2795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2795
Ala Ser Gln Leu Ala Ser Lys Met His Ser Leu Leu Ala Leu Met Val
1   5   10   15

Gly Leu Leu Thr
            20

<210> 2796
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2796
Trp Ala Ile Cys Met Leu Arg Val Ala Leu Ala Thr Val Tyr Phe Gln
1   5   10   15

Glu Glu Phe Leu
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<210> 2797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2797
Pro Glu Val Leu His Met Ile Tyr Met Arg Ala Leu Gln Ile Val Tyr
1   5   10   15

Gly Ile Arg Leu
            20

<210> 2798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2798
Pro Cys Glu Tyr Tyr Phe Arg Val Tyr His Ser Leu Cys Pro Ile Ser
1   5   10   15

Trp Val Glu Ser
            20

<210> 2799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2799
Glu Ala Ala Arg Cys Met Arg Arg Asp Phe Val Lys His Leu Lys Lys
1   5   10   15

Lys Leu Lys Arg
            20

<210> 2800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2800
Leu Ile Arg Lys Ile Tyr Ile Leu Met Gln Asn Leu Gly Pro Leu Pro
1   5   10   15

Asn Asp Val Cys
            20

<210> 2801
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2801
His Phe Val Leu Leu Asp Met Val His Ser Leu Leu His Arg Leu Ser
1   5   10   15

His Asn Asp His
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<210> 2802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2802
Asn Tyr Ile Asp Gln Phe Leu Leu Thr Ser Phe Pro Thr Phe Thr Ser
1   5   10   15

Val Gly Val Leu
            20

<210> 2803
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2803
Phe Phe Ala Val Leu Phe Leu Trp Arg Ser Phe Arg Ser Val Thr Ser
1   5   10   15

Arg Leu Tyr Val
            20

<210> 2804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2804
His Cys Asp Val Cys Met Phe Thr Ser Ser Arg Met Ser Ser Phe Asn
1   5   10   15

Arg His Met Lys
            20

<210> 2805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2805
Met Asn Phe Tyr Leu Leu Leu Ala Ser Ser Ile Leu Cys Ala Leu Ile
1   5   10   15

Val Phe Trp Lys
            20

<210> 2806
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2806
Ala Ala Thr Val Pro Ala Thr Ala Ala Gly Val Val Ala Val Val Val
1   5   10   15

Pro Val Pro Ala
            20

<210> 2807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2807
Trp Val Pro Thr Thr His Arg Arg Met Ile Ser Leu Phe Leu Leu Pro
1   5   10   15

Ala Cys Ile Phe
            20

<210> 2808
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2808
Cys Ser Glu Arg Val Arg Thr Tyr Trp Ile Ile Ile Glu Leu Lys His
1   5   10   15

Lys Ala Arg Glu
            20

<210> 2809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2809
Gln Tyr Thr Glu His Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys
1   5   10   15

Val Val Gln Met
            20

<210> 2810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2810
Tyr Gln Pro Ala Pro Tyr Phe Ala Ala Glu Ala Arg Tyr Pro Ile Tyr
1   5   10   15

Val Ile Pro Glu
            20

<210> 2811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2811
Glu Thr Leu Ile Ile Ala Val Leu Val Ser Ala Ser Ile Ala Asn Leu
1   5   10   15

Trp Leu Trp Met
            20

<210> 2812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2812
Cys Ser Gly Ser Ser Tyr Phe Val Leu Ala Asn Gly His Ile Leu Pro

1 5 10 15

Asn Ser Glu Asn
20

<210> 2813
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2813
Thr Leu Glu Leu Tyr Thr Ser Tyr Leu Tyr Leu Ser Met Ala Phe Tyr
1 5 10 15

Phe Asn Arg Asp
20

<210> 2814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2814
Thr Gly Ile Leu Trp Leu Leu Met Asn Asn Cys Phe Leu Asn Leu Ser
1 5 10 15

Pro Arg Lys Pro
20

<210> 2815
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2815
Ser Val Asp Ser Asn Phe Gln Tyr Gly Trp Thr Pro Leu Met Tyr Ala
1 5 10 15

Ala Ser Val Ala
20

<210> 2816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2816
Phe Glu Phe Val Gly Glu Phe Phe Thr Asp Val Ser Leu Tyr Ile Leu
1   5   10   15

Gly Ser Asp Ile
            20

<210> 2817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2817
Gly Lys Thr Leu Cys Tyr Leu Met Pro Gly Phe Ile His Leu Val Leu
1   5   10   15

Gln Pro Ser Leu
            20

<210> 2818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2818
Ala Lys Cys Val Glu Phe Val Lys Ser Phe Asn Leu Pro Met Leu Met
1   5   10   15

Leu Gly Gly Gly
            20

<210> 2819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2819
Glu Ala Ser Gly Phe Cys Tyr Val Asn Asp Ile Val Leu Ala Ile Leu
1   5   10   15

Glu Leu Leu Lys
            20

<210> 2820

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2820
Gly Glu Cys Val Glu Tyr Val Lys Ser Phe Asn Ile Pro Leu Leu Val
1   5   10   15

Leu Gly Gly Gly
            20

<210> 2821
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2821
Ala Leu Ile Asn Leu Asn Val Ile Trp Met Val Thr Pro Leu Ser Asn
1   5   10   15

Ala Asn Gln Pro
            20

<210> 2822
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2822
Gly Tyr Leu Gly Tyr Leu Tyr Leu Gln Trp Gln Pro Pro Leu Ser Leu
1   5   10   15

Asp His Phe Lys
            20

<210> 2823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2823
Cys Asp Asp Ser Tyr His Thr Phe Cys Leu Ile Pro Pro Leu His Asp
1   5   10   15

Val Pro Lys Gly
            20

<210> 2824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2824
Asp Asp Ala Ala Pro Arg Val Glu Gly Val Pro Val Ala Val His Lys
1   5   10   15

His Ala Leu His
            20

<210> 2825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2825
Cys Pro Asp Glu Ser Trp Ala Leu Lys Ala Ile Glu Ala Leu Ser Gly
1   5   10   15

Lys Ile Glu Leu
            20

<210> 2826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2826
Gly Ile Phe Ile Ile Val Val Phe Val Tyr Leu Thr Val Glu Asn Lys
1   5   10   15

Ser Leu Phe Gly
            20

<210> 2827
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2827
Lys Tyr Ser Ala His Ala Phe Gln Phe Ser Pro Arg Asn Val Leu Trp
1   5   10   15

Leu Leu Val Val
            20

<210> 2828
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2828
Val Asp Pro Thr Gly His Ser Phe Val Leu Val Thr Ser Leu Gly Leu
1   5   10   15

Thr Tyr Asp Gly
            20

<210> 2829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2829
Val Ala Leu Ser Arg Lys Met Ala Glu Leu Val His Phe Leu Leu Leu
1   5   10   15

Lys Tyr Arg Ala
            20

<210> 2830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2830
Phe Arg Ala Ala Leu Ser Lys Lys Val Ala Asp Leu Ile His Phe Leu
1   5   10   15

Leu Leu Lys Tyr
            20

<210> 2831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2831

Val Lys Asp Pro Val Ala Trp Glu Ala Gly Met Leu Met His Phe Ile
1   5   10   15

Leu Arg Lys Tyr
            20

<210> 2832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2832
Trp Thr Leu Pro Arg Asn Gly Leu Leu Met Pro Leu Leu Ser Val Ile
1   5   10   15

Phe Leu Asn Gly
            20

<210> 2833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2833
Phe Leu Trp Gly Pro Arg Ala Tyr Ala Glu Thr Thr Lys Met Arg Val
1   5   10   15

Leu Arg Val Leu
            20

<210> 2834
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2834
Arg Arg Arg Asn Gly Tyr Arg Ala Leu Met Asp Lys Ser Leu His Val
1   5   10   15

Gly Thr Gln Cys
            20

<210> 2835
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2835
Pro Ala Arg Trp Ser Phe Arg Ala Tyr Thr Ser Val Leu Tyr Phe Asn
1   5   10   15

Pro Trp Met Arg
            20

<210> 2836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2836
Val Phe Cys Leu Thr Val Val Cys Trp Thr Trp Val Pro Leu Arg Gly
1   5   10   15

Pro Ser Ser Pro
            20

<210> 2837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2837
Asn Gln Lys Ile Cys Ile Phe Val Asn His Ser Thr Ala Pro Tyr Ser
1   5   10   15

Val Lys Asn Lys
            20

<210> 2838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2838
Asn Thr Ala Leu His Tyr Ala Val Tyr Ser Glu Ile Leu Ser Val Val
1   5   10   15

Ala Lys Leu Leu
            20

<210> 2839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2839
Met Val Ile Leu Thr Ile Leu Ala Ile Ala Pro Ser Val Pro Phe Ala
1   5   10   15

Ala Asn Cys Phe
            20

<210> 2840
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2840
Ser Arg Leu Leu Glu Phe Tyr Leu Ala Met Pro Phe Ala Thr Pro Met
1   5   10   15

Glu Ala Glu Leu
            20

<210> 2841
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2841
Cys Leu Cys Asp Tyr Lys Leu Tyr Cys Leu Arg Pro Ser Leu Arg Ser
1   5   10   15

Leu Glu Arg Lys
            20

<210> 2842
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2842
Leu Arg Ala Pro Ala Tyr Ser Phe Arg Gly Ala Pro Met Leu Leu Ala
1   5   10   15

Glu Asn Cys Ser

20

<210> 2843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2843
Ile Pro Val Gly Phe His Leu Tyr Ser Thr His Ala Ala Leu Ala Ala
1 5 10 15

Leu Arg Gly His
20

<210> 2844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2844
Phe Pro Thr Tyr Asp Tyr Phe Asn Gln Val Thr Leu Gln Leu Leu Asp
1 5 10 15

Gly Phe Met Ile
20

<210> 2845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2845
Ala Ser Gln Asp Pro Phe Pro Ala Ala Ile Ile Leu Lys Val Ala Leu
1 5 10 15

Asn Met Ala Arg
20

<210> 2846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2846
Glu Met Glu Leu Trp Met Lys Ala Met Leu Asp Ala Ala Leu Val Gln
1 5 10 15

Thr Glu Pro Val
            20

<210> 2847
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2847
Pro Ala Pro Cys Gln Tyr Ala His Lys Leu Ala Phe Leu Val Gly Gln
1   5   10   15

Ser Ile His Arg
            20

<210> 2848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2848
Met Arg Ser Val Val Gly Phe Val Ala Ser Ile Asn Leu Thr Leu Thr
1   5   10   15

Lys Trp Tyr Ser
            20

<210> 2849
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2849
Pro Ala Pro Cys His Tyr Ala His Lys Leu Ala Tyr Leu Val Gly Gln
1   5   10   15

Ser Ile His Gln
            20

<210> 2850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2850
Leu Asn Lys Gln Gly Met Met Met Ser Ile Ala Thr Lys Ile Ala Met
1   5   10   15

Gln Met Thr Cys
            20

<210> 2851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2851
Leu Cys Ser Ile Asp Trp Phe Met Val Thr Val His Pro Phe Met Leu
1   5   10   15

Asn Asn Asp Val
            20

<210> 2852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2852
His Leu Glu Arg Leu Ala Tyr Leu His Ala Arg Leu Arg Glu Leu Leu
1   5   10   15

Cys Glu Leu Gly
            20

<210> 2853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2853
Asn Ala Ser Gly Ala His Ala Leu Gln Pro Ala Ala Ala Ile Leu Ala
1   5   10   15

Leu Leu Pro Ala
            20

<210> 2854
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2854
Glu Lys Lys Ile Met His Tyr Met Tyr Gln Leu Cys Lys Ser Leu Asp
1   5   10   15

His Ile His Arg
            20

<210> 2855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2855
Pro Thr Gly Leu Ile Asn Met Ala Ala Thr Pro Ile Pro Ala Met Ser
1   5   10   15

Ala Arg Asp Leu
            20

<210> 2856
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2856
Lys Arg Cys Gln His Lys Ile Ala Glu Met Val Ala Leu Met Glu Lys
1   5   10   15

His Lys His Gln
            20

<210> 2857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2857
Gln Val Pro Arg Thr Tyr Ala Ile Met Ile Ser Arg Pro Ala Trp Leu
1   5   10   15

Trp Gly Ala Glu
            20

<210> 2858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2858
Tyr Lys Leu Pro Leu Phe Ile Ala Phe Ile Phe Ser Thr Leu Ile Phe
1   5   10   15

Ser Gly Phe Ser
            20

<210> 2859
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2859
Glu Glu Ala Val Met Tyr Tyr Thr Arg Ser Ile Ser Ala Leu Pro Thr
1   5   10   15

Val Val Ala Tyr
            20

<210> 2860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2860
Thr Gly Lys Leu Gly Phe Ser Phe Val Arg Ile Thr Ala Leu Met Val
1   5   10   15

Ser Cys Asn Arg
            20

<210> 2861
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2861
Val Glu His Pro Gln Met Thr Phe Gly Arg Leu His Arg Ile Ile Pro
1   5   10   15

Lys Ile Met Pro
            20

<210> 2862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2862
Glu Lys Ile Val Tyr Val Tyr Met Lys Leu Asn Tyr Glu Val Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 2863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2863
Glu His Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile Phe Pro Lys
1   5   10   15

Ile Thr Pro Glu
            20

<210> 2864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2864
Pro His Pro Gly Thr Val Ile Ser His Ser Val Ala Met Leu Ile Leu
1   5   10   15

Ile Gly Ser Leu
            20

<210> 2865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2865
Leu Pro Ala Ser Thr Leu Ser Arg Leu Ser Asn Arg Leu Leu Leu Arg

1 5 10 15

Leu Glu Cys Asn
20

<210> 2866
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2866
Tyr Leu Pro Gly Tyr Arg Tyr Leu Asn Ser Trp Arg Pro Ser Leu Phe
1 5 10 15

Tyr Lys Ile Ala
20

<210> 2867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2867
Ala Met Ile Gly Cys Arg Leu Met Ser Gly Ile Leu Ala Val Gly Pro
1 5 10 15

Met Phe Val Arg
20

<210> 2868
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2868
Leu Thr Gly Ala Thr Gln Met Ala Tyr Leu Gly Ser Leu Pro Val Ile
1 5 10 15

Gly Glu Lys Glu
20

<210> 2869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2869
Thr Leu Tyr Phe Tyr Lys Phe Phe Leu Pro Thr Ile Leu Ser Leu Ser
1   5   10   15

Phe Phe Ile Leu
            20

<210> 2870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2870
Gly Phe Leu Glu Lys Glu Phe Tyr His Lys Thr Asn Ile Lys Met Arg
1   5   10   15

Cys Glu Phe Leu
            20

<210> 2871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2871
Ala Pro Ser Arg Thr Leu Leu Leu Ala Leu Pro Leu Pro Leu Ser Leu
1   5   10   15

Leu Ala Ala Leu
            20

<210> 2872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2872
His Leu Cys Lys Ile Met Leu Phe Phe Arg Ser Asn Pro Tyr Phe Gln
1   5   10   15

Asn Lys Val Ile
            20

<210> 2873

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2873
Lys Gly Ala Ala Thr Lys Met Ala Ala Val Thr Ala Pro Glu Ala Glu
1   5   10   15

Ser Ala Pro Ala
            20

<210> 2874
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2874
Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro Ser Leu Gly
1   5   10   15

Gly Gly Gly Gly
            20

<210> 2875
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2875
Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
1   5   10   15

Trp Lys Val Ile
            20

<210> 2876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2876
Cys Lys Glu Cys Gly Arg Ala Phe Asn Leu Asn Ser His Leu Ile Arg
1   5   10   15

His Gln Arg Ile
            20

<210> 2877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2877
Pro Thr Ser Ser Ala Ser Ser Phe Ser Ser Ser Ala Pro Phe Leu Ala
1   5   10   15

Ser Ala Val Ser
            20

<210> 2878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2878
Ser Val Trp Leu Gly Ala Ser Val Val Ala His Leu Ser Thr Tyr Gln
1   5   10   15

Ser Glu Trp Met
            20

<210> 2879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2879
Val Phe Gln Leu Ile Gly Leu Thr Asn Ala Ile Phe Val Ser Phe Asn
1   5   10   15

Ile Thr Ile Ile
            20

<210> 2880
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2880
Glu Thr Phe Met Asn Lys Phe Ile Tyr Glu Ile Ala Arg Arg His Pro
1   5   10   15

Phe Leu Tyr Ala
            20

<210> 2881
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2881
Ser Gly Gln Met Val Glu His Leu Met Asn Ser Val Met Lys Leu Cys
1   5   10   15

Val Ile Ile Ala
            20

<210> 2882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2882
Ala Val Leu Gln Trp Ile Ala Ala Ser Gln Phe Asn Val Pro Met Leu
1   5   10   15

Tyr Phe Met Gly
            20

<210> 2883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2883
Arg Cys Ile Ile Ile Leu Val Leu Gln Glu Pro Thr Ala Phe Arg Ile
1   5   10   15

Ser Val Thr Ser
            20

<210> 2884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2884

Ser Val Thr Ser Ser Cys Phe Val Gln Asn Thr Leu Thr Lys Leu Leu
1   5   10   15

Lys Asp Arg Arg
            20

<210> 2885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2885
Met Leu Ala Lys Lys His Phe Ser Tyr Ala Trp Pro Phe Tyr Asn Pro
1   5   10   15

Val Asp Val Asn
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<210> 2886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2886
Cys Lys Val Asp Gly Phe Thr His Leu Tyr Thr Leu Ile Leu Arg Pro
1   5   10   15

Asp Leu Ser Tyr
            20

<210> 2887
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2887
Cys Cys His Pro Ser Asn Phe Ile Ile Glu Ala Pro Gly His Met Ser
1   5   10   15

Asp Val Glu Trp
            20

<210> 2888
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2888
Ile Arg Leu Glu His Phe Tyr Met Met Pro Val Asn Ser Glu Val Met
1   5   10   15

Tyr Pro His Leu
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<210> 2889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2889
Asn Cys Tyr Gln Asn Phe Leu Asp Tyr His Arg Cys Leu Lys Thr Arg
1   5   10   15

Thr Arg Arg Gly
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<210> 2890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2890
Val Gly His Tyr Thr Gln Leu Val Trp Tyr Ser Thr Tyr Gln Val Gly
1   5   10   15

Cys Gly Ile Ala
            20

<210> 2891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2891
Pro Thr Ala Val Arg Lys Arg Phe Phe Glu Ser Ile Ile Lys Glu Ala
1   5   10   15

Ala Arg Cys Met
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<210> 2892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2892
His Ala Ala Ala Arg Asn Leu Trp Gly Asn Leu Pro Pro Leu Leu Leu
1   5   10   15

Pro Gln Arg Leu
            20

<210> 2893
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2893
Met Phe Val Ile Ile Ser Leu His Asn Cys Val Val Ile Ser Phe Val
1   5   10   15

Leu Phe Leu Phe
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<210> 2894
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2894
Val Arg Arg Glu Lys Lys Phe Ala Val Ala Leu Ser Gly Leu Ile Glu
1   5   10   15

Glu Lys Cys Lys
            20

<210> 2895
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2895
His Ile Cys His Thr Arg Phe Thr Gln Ser Gly Thr Met Lys Ile His
1   5   10   15

Ile Leu Gln Lys

20

<210> 2896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2896
His Ile Ser Asp Ser Phe Leu Glu Thr Asn Val Pro Leu Leu Val Leu
1 5 10 15

Ile Glu Ala Ala
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<210> 2897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2897
Met Leu Arg Leu Leu Arg Leu Ala Leu Ala Phe Tyr Gly Arg Thr Ala
1 5 10 15

Asp Pro Ala Glu
20

<210> 2898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2898
Arg Trp Cys Pro Pro Pro Phe Phe Tyr Arg Arg Arg Phe Val Arg Gly
1 5 10 15

Pro Arg Pro Pro
20

<210> 2899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2899
Val Leu Ala Phe Gly Leu Leu Leu Ala Ala Ala Thr Ala Thr Phe Ala
1 5 10 15

Ala Ala Gln Glu
            20

<210> 2900
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2900
Trp Asp Leu Met Gln Asn Ile Met Asn Asp Met Pro Ile Tyr Met Tyr
1   5   10   15

Ser Val Cys Asn
            20

<210> 2901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2901
Val Pro Lys Gln Met Met Gln Met Phe Gly Leu Gly Ala Ile Ser Leu
1   5   10   15

Ile Leu Val Cys
            20

<210> 2902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2902
Ala Cys Gly Leu Tyr Tyr Lys Leu His Asn Ile Asn Arg Pro Leu Thr
1   5   10   15

Met Lys Lys Glu
            20

<210> 2903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2903
Ile Gln Lys Leu Lys Ser Phe Ile Ser Phe Tyr Ser Ala Leu Pro Gly
1   5   10   15

Tyr Ile Cys Ser
            20

<210> 2904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2904
Leu Leu Val Leu Met Ala Val Val Leu Ala Ser Leu Ile Tyr Arg Arg
1   5   10   15

Arg Leu Met Lys
            20

<210> 2905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2905
Asn Asp Leu Gln Met Ser Asn Phe Val Asn Leu Lys Asn Ile Thr Tyr
1   5   10   15

Leu Val Leu Asp
            20

<210> 2906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2906
Ala Ser Gly Phe Cys Tyr Val Asn Asp Ile Val Leu Ala Ile Leu Glu
1   5   10   15

Leu Leu Lys Tyr
            20

<210> 2907
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2907
Gly Ala Glu Ser Gly Arg Tyr Tyr Cys Leu Asn Val Pro Leu Arg Asp
1   5   10   15

Gly Ile Asp Asp
            20

<210> 2908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2908
Thr Val Thr Ile Arg Asn Ile Ser Ala Leu Ser Ser Gly Leu Tyr Gln
1   5   10   15

Cys Val Ala Ser
            20

<210> 2909
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2909
Tyr Lys Leu Arg Tyr Arg Tyr Thr Leu Asp Asp Leu Tyr Pro Met Met
1   5   10   15

Asn Ala Leu Lys
            20

<210> 2910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2910
Leu His Asp Gly Leu Arg Gln Val Ala Gly Pro Gly Ala Ala Ala Ala
1   5   10   15

His Leu Pro Arg
            20

<210> 2911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2911
Gly Thr Gly Ala Val Gly Met Ala Cys Ala Ile Ser Ile Leu Leu Lys
1   5   10   15

Asp Leu Ala Asp
            20

<210> 2912
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2912
Ser Thr Arg Lys Leu Tyr Glu Lys Lys Leu Val Gln Leu Leu Val Ser
1   5   10   15

Pro Pro Cys Ala
            20

<210> 2913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2913
Asp Tyr Phe Pro Glu Ile Phe Arg Glu Ala Ser Val Cys Met Gln Leu
1   5   10   15

Leu Phe Gly Ile
            20

<210> 2914
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2914
Phe Gln Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu
1   5   10   15

Gln Leu Val Phe
            20

<210> 2915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2915
Pro Pro Gln Ser Pro Gln Gly Ala Ser Ala Leu Pro Thr Thr Ile Ser
1   5   10   15

Phe Thr Cys Trp
            20

<210> 2916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2916
Leu Lys Ser Pro Gln Gly Ala Ser Ala Ile Pro Thr Ala Ile Asp Phe
1   5   10   15

Thr Leu Trp Arg
            20

<210> 2917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2917
Phe Leu Trp Gly Pro Arg Ala Tyr Ala Glu Thr Ser Lys Met Lys Val
1   5   10   15

Leu Glu Phe Leu
            20

<210> 2918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2918
Pro Arg Glu Asp Ala His Phe Ile Tyr Gly Tyr Pro Lys Lys Gly His

1 5 10 15

Gly His Ser Tyr
20

<210> 2919
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2919
Lys Phe Arg Pro Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg
1 5 10 15

Glu Gly Thr Ile
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<210> 2920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2920
Met Val Leu Pro Asp Val Phe Ile Arg Cys Val Val Phe Cys Leu Thr
1 5 10 15

Val Val Cys Trp
20

<210> 2921
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2921
Gln Tyr Ile Pro His Leu Phe Ser Tyr Ser Gly His Ser Pro Leu Leu
1 5 10 15

Pro Gln Gln Ala
20

<210> 2922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2922
Gly Gln Ser Gln Gly Ser Val Leu Ala Phe Thr Arg Thr Phe Ile Ala
1   5   10   15

Thr Pro Gly Ser
            20

<210> 2923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2923
Leu Leu Lys Glu Phe Thr Val Ser Gly Asn Ile Leu Thr Ile Arg Leu
1   5   10   15

Thr Ala Ala Asp
            20

<210> 2924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2924
Glu Lys Asp Val Thr Tyr Ser Tyr Gly Leu Gly Ser Cys Val Lys Ile
1   5   10   15

Glu Ser Pro Cys
            20

<210> 2925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2925
Pro Pro Thr Thr Gly Phe Met Lys His Thr Pro Thr Lys Leu Arg Ala
1   5   10   15

Pro Ala Tyr Ser
            20

<210> 2926

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2926
Ser Asn Arg Ile His Thr Ser Ala His Val Met Ser Met Gly Leu Leu
1   5   10   15

His Phe Tyr Lys
            20

<210> 2927
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2927
Ser Leu Gly Ala Val Val Phe Ser Arg Val Thr Asn Asn Val Val Leu
1   5   10   15

Glu Ala Pro Phe
            20

<210> 2928
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2928
Asp Gly Pro Asp Thr Lys Arg Val Cys Leu Arg Asn Glu Glu Gln Met
1   5   10   15

Lys Leu Pro Ala
            20

<210> 2929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2929
Gly Leu Thr Leu Trp Glu Met Met Thr Leu Ser Ile Pro His Ile Asn
1   5   10   15

Leu Ser Asn Asp
            20

<210> 2930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2930
Asn Arg Lys Tyr Ala Phe Lys Ala Ala His Pro Asn Met Arg Thr Tyr
1   5   10   15

Tyr Phe Cys Thr
            20

<210> 2931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2931
Gly Lys Gln Gln Thr Val Met Ala Ile Ala Thr Lys Ile Ala Leu Gln
1   5   10   15

Met Asn Cys Lys
            20

<210> 2932
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2932
Cys Leu Arg Tyr Tyr Asn Ile Leu Phe Arg Arg Thr Phe Lys Leu Leu
1   5   10   15

Asp Phe Glu Gln
            20

<210> 2933
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2933
Tyr Phe Glu Arg Lys Leu Leu Phe Ser Ala Asp Val Ser Tyr Lys Val
1   5   10   15

Leu Arg Asn Glu
            20

<210> 2934
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2934
Phe Lys Phe Ile Gly Leu Met Ile Leu Leu Thr Ser Ala Phe Ser Ala
1   5   10   15

Gly Ser Gly Gln
            20

<210> 2935
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2935
Arg His Ser Gln Thr Leu Lys Ala Met Val Gln Ala Trp Pro Phe Thr
1   5   10   15

Cys Leu Pro Leu
            20

<210> 2936
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2936
Pro Gly Ser Pro Arg Ser Trp Leu Leu Leu Cys Pro Leu Ser His Val
1   5   10   15

Leu Phe Arg Ala
            20

<210> 2937
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2937

Met Ala Gly Leu Ala Leu Gln Pro Gly Thr Ala Leu Leu Cys Tyr Ser
1   5   10   15

Cys Lys Ala Gln
            20

<210> 2938
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2938
Gln Val Arg Gly Gly Met Val Phe Glu Leu Ala Asn Ser Ile Val Leu
1   5   10   15

Pro Phe Asp Cys
            20

<210> 2939
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2939
Ala Ala Ser Asp Asn Val Phe Ser Thr Val Pro Pro Ala Phe Ile Asn
1   5   10   15

Met Ala Ala Thr
            20

<210> 2940
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2940
Glu Asp Ala Asn Ser Cys His Ser Phe Gln Ser Ala Tyr Leu Ile Val
1   5   10   15

Asp Arg Asp Glu
            20

<210> 2941
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2941
Leu Trp Thr Trp Trp Ile Asn Phe Leu Phe Ala Ala Val Val Ala Trp
1   5   10   15

Cys Thr Leu Ile
            20

<210> 2942
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2942
Gln Phe Ile Pro Ser Thr Met Ala Ala Ala Ala Ala Ser Gly Leu Ser
1   5   10   15

Pro Leu Gln Leu
            20

<210> 2943
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2943
Lys Gly Ile Val Leu Val Ala Leu Ala Asp Gly Thr Leu Ala Ile Phe
1   5   10   15

His Arg Gly Val
            20

<210> 2944
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2944
Met Ile Ile Thr Thr Trp Ile Val Tyr Ile Leu Ala Arg Lys Gly Val
1   5   10   15

Gly Leu Pro Phe
            20

<210> 2945
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2945
Asp Ser Ile Leu Arg Arg Pro Tyr Val Thr Cys Gln Pro Phe Trp Arg
1   5   10   15

Lys Glu Met Glu
            20

<210> 2946
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2946
Phe Leu Lys Asp His Arg Ile Ser Thr Phe Lys Asn Trp Pro Phe Leu
1   5   10   15

Glu Gly Cys Ala
            20

<210> 2947
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2947
Val Thr Gly Tyr Lys Met Leu Tyr Gln Asn Asp Leu His Leu Thr Pro
1   5   10   15

Thr Leu His Leu
            20

<210> 2948
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2948
Glu Cys Asn Val Val Ile Ile Ala His Cys Asn Leu Glu Pro Leu Val
1   5   10   15

Ser Arg Asp Pro

20

<210> 2949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2949
Ile Pro Val Trp Gly Leu Gln Leu Leu Leu Pro Leu Leu Leu Pro Ser
1 5 10 15

Phe Ile His Phe
20

<210> 2950
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2950
Glu Pro Thr Phe Ser Phe Phe Ser Gly Pro Tyr Met Val Met Thr Asn
1 5 10 15

Leu Val Trp Asn
20

<210> 2951
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2951
Gly Leu Pro Ile Ile Leu His Leu Phe Ala Leu Ser Thr Leu Tyr Phe
1 5 10 15

Tyr Lys Phe Phe
20

<210> 2952
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2952
Lys Ile Lys Lys Ile Val His Ser Ile Val Ser Ser Phe Ala Phe Gly
1 5 10 15

Leu Phe Gly Val
            20

<210> 2953
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2953
Ile Lys Met Arg Cys Glu Phe Leu Ala Cys Trp Pro Ala Phe Thr Val
1   5   10   15

Leu Gly Glu Ala
            20

<210> 2954
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2954
Gln Asn Tyr Ser Ser Asn Ala Tyr His Met Ser Ser Thr Met Lys Pro
1   5   10   15

Asn Thr Lys Cys
            20

<210> 2955
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2955
Ile Trp Arg Asp Ile Asp Phe Ala His Glu Ala Pro Ala Phe Leu Pro
1   5   10   15

Trp His Arg Leu
            20

<210> 2956
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2956
Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro Tyr Leu Pro
1   5   10   15

Ser Cys Leu Glu
            20

<210> 2957
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2957
Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr Trp Lys Val
1   5   10   15

Ile Cys Lys Ser
            20

<210> 2958
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2958
Leu Arg Arg Leu Glu Leu Ala Ser Asn His Phe Leu Tyr Leu Pro Arg
1   5   10   15

Asp Val Leu Ala
            20

<210> 2959
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2959
Cys Asp Thr Asp Tyr Ile Gln Tyr Pro Asn Tyr Cys Ser Phe Lys Ser
1   5   10   15

Gln Gln Cys Leu
            20

<210> 2960
<211> 20

<212> PRT
<213> Homo sapiens

<400> 2960
Trp Asn Glu Pro Gln Met Val Phe Pro Asn Ile Val Asn Tyr Leu Pro
1   5   10   15

Cys Lys Glu Asn
            20

<210> 2961
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2961
Arg Tyr Ile Glu Asn Ile Tyr His Ser Lys Pro Met Arg Trp Pro Phe
1   5   10   15

Phe Leu Phe Ile
            20

<210> 2962
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2962
Pro Arg Cys Ile Ile Ile Leu Val Leu Gln Glu Pro Thr Pro Phe Arg
1   5   10   15

Ile Ser Val Thr
            20

<210> 2963
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2963
Glu Cys Ile Glu Asp Phe Asn Thr Met Phe Ser Asn Cys Tyr Leu Tyr
1   5   10   15

Asn Lys Pro Gly
            20

<210> 2964
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2964
Glu Ala Cys Arg Glu Thr Tyr Met Glu Phe Leu Trp Gln Tyr Lys Ser
1   5   10   15

Ser Ala Asp Lys
            20

<210> 2965
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2965
Thr Arg Arg Gly Lys Ser Thr Gln Pro Cys Glu Tyr Tyr Phe Arg Val
1   5   10   15

Tyr His Ser Leu
            20

<210> 2966
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2966
Asn Gln Asp Ser Leu Lys Tyr Tyr Tyr Val Cys Gln Tyr Cys Pro Ala
1   5   10   15

Gly Asn Asn Met
            20

<210> 2967
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2967
Glu Cys Tyr Gln Phe Lys Phe Lys Tyr Thr Asn Asn Gly Pro Leu Met
1   5   10   15

Asp Phe Ile Ser
            20

<210> 2968
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2968
Val Val Ala Arg Arg Tyr Pro Ala Ser Gly Ile His Phe Val Leu Leu
1   5   10   15

Asp Met Val His
            20

<210> 2969
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2969
Trp Glu Leu Val Ile Arg Ala Ala Val Ala Gly Phe Phe Ala Val Leu
1   5   10   15

Phe Leu Trp Arg
            20

<210> 2970
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2970
Cys Asn Asp Cys Asn Met Ala Phe Val Thr Ser Gly Glu Leu Val Arg
1   5   10   15

His Arg Arg Tyr
            20

<210> 2971
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2971
Ser Ser Ile Leu Cys Ala Leu Ile Val Phe Trp Lys Tyr Arg Arg Phe

1 5 10 15

Gln Arg Asn Thr
20

<210> 2972
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2972
Ala Asp Lys Pro Val Leu Ala Ile Gln Val Leu Gly Thr Val Lys Trp
1 5 10 15

Phe Asn Val Arg
20

<210> 2973
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2973
Val Leu Leu Leu Leu Leu Ser Thr Leu Val Ile Pro Ser Ala Ala Ala
1 5 10 15

Pro Ile His Asp
20

<210> 2974
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2974
Cys Lys Lys Cys Asn Leu Ile Ala Glu Arg Gln Arg Val Met Ala Ala
1 5 10 15

Gln Val Ala Leu
20

<210> 2975
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2975
Thr Asn Thr Val Glu Val Ile Thr Ser Ala Pro Gly Ala Met Leu Ala
1   5   10   15

Ser Trp Ala Arg
            20

<210> 2976
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2976
Met Asn Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val Met Ser
1   5   10   15

Gly Asp Gln Asp
            20

<210> 2977
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2977
Ile Trp Ile Leu Leu Phe Val Cys Tyr Tyr Leu Ser Tyr Tyr Leu Cys
1   5   10   15

Ser Gly Ser Ser
            20

<210> 2978
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2978
Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val Gln Pro Pro Glu Met Ile
1   5   10   15

Gly Pro Met Arg
            20

<210> 2979

<211> 20
<212> PRT
<213> Homo sapiens

<400> 2979
His His Pro Gly Leu Ser His Ser Tyr Met Asp Ala Ala Gln Tyr Pro
1   5   10   15

Leu Pro Glu Glu
            20

<210> 2980
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2980
Gly Glu Cys Cys Lys Tyr Ser Tyr Lys Gly Leu Arg Ser Val Cys Val
1   5   10   15

Tyr Gly Gly Gly
            20

<210> 2981
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2981
Ile Ser Lys Val Met Glu Met Tyr Gln Pro Ser Ala Val Val Leu Gln
1   5   10   15

Cys Gly Ala Asp
            20

<210> 2982
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2982
Lys Pro His Arg Leu Ala Leu Thr His Ser Leu Val Leu His Tyr Gly
1   5   10   15

Leu Tyr Lys Lys
            20

<210> 2983
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2983
Ala Val Leu Pro Cys Thr Phe Thr Thr Ser Ala Ala Leu Ile Asn Leu
1   5   10   15

Asn Val Ile Trp
            20

<210> 2984
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2984
Gln Asp Met Asp Cys Val Tyr Tyr Asn Trp Gln Tyr Leu Leu Cys Ser
1   5   10   15

Trp Lys Pro Gly
            20

<210> 2985
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2985
Gln Cys Ala Gly Glu Phe Val Ile Thr Phe Pro Arg Ala Tyr His Ser
1   5   10   15

Gly Phe Asn Gln
            20

<210> 2986
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2986
Gly Val Pro Val Ala Val His Lys His Ala Leu His Asp Gly Leu Arg
1   5   10   15

Gln Val Ala Gly
            20

<210> 2987
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2987
Pro Val Ser Gly Pro Phe Leu Val Lys Thr Gly Tyr Ala Phe Val Asp
1   5   10   15

Cys Pro Asp Glu
            20

<210> 2988
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2988
Pro Asp Phe Ser Met Tyr Val Tyr Glu Val Thr Lys Ser Ile Leu Pro
1   5   10   15

Ile Thr Asn Ile
            20

<210> 2989
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2989
Leu His Ile Thr Met Pro Phe Ser Ser Pro Met Glu Ala Glu Leu Val
1   5   10   15

Arg Arg Ile Leu
            20

<210> 2990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2990

Pro Arg Ile Glu Thr Ile Leu Met Met Tyr Thr Arg Asn Asn Leu Asn
1   5   10   15

Cys Ala Glu Pro
            20

<210> 2991
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2991
Asp Pro Ala Cys Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Val Glu
1   5   10   15

Thr Ser Tyr Val
            20

<210> 2992
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2992
Pro Asp Pro Glu Ser Val Phe Arg Ala Ala Leu Ser Lys Lys Val Ala
1   5   10   15

Asp Leu Ile His
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<210> 2993
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2993
Ala Ala Leu Ser Arg Lys Val Ala Lys Leu Val His Phe Leu Leu Leu
1   5   10   15

Lys Tyr Arg Ala
            20

<210> 2994
<211> 20
<212> PRT

<213> Homo sapiens

<400> 2994
Asp Pro Ala Gly His Ser Tyr Ile Leu Val Thr Ala Leu Gly Leu Ser
1   5   10   15

Cys Asp Ser Met
            20

<210> 2995
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2995
Ala Leu Pro Lys Ser Gly Leu Leu Met Ser Leu Leu Val Val Ile Phe
1   5   10   15

Met Asn Gly Asn
            20

<210> 2996
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2996
Lys Val Val Glu Phe Leu Ala Met Leu Lys Asn Thr Val Pro Ile Thr
1   5   10   15

Phe Pro Ser Ser
            20

<210> 2997
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2997
Ala Gly Arg Glu His Phe Val Tyr Gly Glu Pro Arg Glu Leu Leu Thr
1   5   10   15

Lys Val Trp Val
            20

<210> 2998
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2998
Ile Gly Cys Trp Tyr Cys Arg Arg Arg Asn Gly Tyr Arg Ala Leu Met
1   5   10   15

Asp Lys Ser Leu
            20

<210> 2999
<211> 20
<212> PRT
<213> Homo sapiens

<400> 2999
Ala Tyr Thr Ser Val Leu Tyr Phe Asn Pro Trp Met Arg Ile Phe Ile
1   5   10   15

Gln Ala Lys Arg
            20

<210> 3000
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3000
Leu Val Ala Leu Ala Ile Val Tyr Leu Ile Ala Leu Ala Val Cys Gln
1   5   10   15

Cys Arg Arg Lys
            20

<210> 3001
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3001
Gly Ser Tyr Arg Lys Trp Met Cys Phe Ser Glu Ser Gln Val Gln Pro
1   5   10   15

Thr Gln Lys Gln

20

<210> 3002
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3002
Ser Leu Val Ser Val Tyr Asn Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr
1 5 10 15

Cys Val Gly Ser
20

<210> 3003
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3003
Glu Ser Ser Tyr Val Phe Leu His Val Cys Ile Gln Glu Phe Cys Ala
1 5 10 15

Ala Leu Phe Tyr
20

<210> 3004
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3004
Ala Phe Arg Glu Gln Tyr Met Gly Met Ser Val Pro Pro His Tyr Gln
1 5 10 15

Tyr Ile Pro His
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<210> 3005
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3005
His Thr Pro His Lys Thr Leu Met Pro Tyr Ala Ser Leu Phe Gln Ser
1 5 10 15

His Ser Cys Lys
            20

<210> 3006
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3006
Leu Gln Gln Leu Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu Pro
1   5   10   15

Val Phe Leu Ala
            20

<210> 3007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3007
Cys Asp Leu His Pro Tyr Pro Tyr Cys Leu Cys Tyr Ser Lys Arg Ser
1   5   10   15

Arg Ser Cys Gly
            20

<210> 3008
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3008
Arg Gly Pro Ile Met Ala Leu Tyr Ser Ser Pro Gly Pro Lys Tyr Leu
1   5   10   15

Ile Pro Pro Thr
            20

<210> 3009
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3009
Gln Cys His Ala Val Leu Ala Asp Ser Val His Leu Ala Trp Asp Leu
1   5   10   15

Ser Arg Ser Leu
            20

<210> 3010
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3010
Gln Glu Asp Arg Leu Tyr Leu Val Gly Asn Val Cys Ile Leu Arg Thr
1   5   10   15

Gln Leu Leu Gln
            20

<210> 3011
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3011
Gly Phe Thr Thr Ser Ile Leu Gln Tyr Glu Asn Ser Ile Met Leu Cys
1   5   10   15

Thr Asp Val Ser
            20

<210> 3012
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3012
Cys Ile Pro Phe Tyr Asn Val Val Phe Arg Arg Val Met Lys Leu Leu
1   5   10   15

Asp Met Lys Leu
            20

<210> 3013
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3013
Asn His Val Gln Pro His Ala Tyr Gln Phe Thr Tyr Arg Val Thr Glu
1   5   10   15

Cys Gly Ile Arg
            20

<210> 3014
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3014
Leu Gln His Leu Ile Gly Leu Ser Asn Leu Thr His Val Leu Tyr Pro
1   5   10   15

Val Pro Leu Glu
            20

<210> 3015
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3015
Cys Trp Thr Ala Arg Ile Arg Ala Val Gly Leu Leu Thr Val Ile Ser
1   5   10   15

Lys Gly Cys Ser
            20

<210> 3016
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3016
Ser Ala Gly Cys Val Phe Tyr Glu Ile Ala Ser Leu Gln Pro Leu Phe
1   5   10   15

Pro Gly Val Asn
            20

<210> 3017
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3017
Met Ala Ile Thr Gln Phe Arg Leu Phe Lys Phe Cys Thr Cys Leu Ala
1   5   10   15

Thr Val Phe Ser
            20

<210> 3018
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3018
Pro Asn Asn Val Leu Ser Thr Val Gln Pro Val Ile Ile Tyr Leu Thr
1   5   10   15

Ala Thr Gly Ile
            20

<210> 3019
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3019
Cys Lys Ala Leu Met Arg Phe Ile Met Val Thr Ser Val Ile Ser Leu
1   5   10   15

Ile Leu Leu Val
            20

<210> 3020
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3020
Arg Ala Leu Glu Leu His Pro Phe Ser Met Lys Pro Leu Leu Arg Arg
1   5   10   15

Ala Met Ala Tyr
20

<210> 3021
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3021
Ser Ala Gln Lys Phe Ser Leu Ile Leu Lys Ile Leu Ser Met Ile Tyr
1 5 10 15

Lys Leu Val Gln
20

<210> 3022
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3022
Thr Ser Glu Lys Ile Asn Met Ile Ser Gly Val Leu Gln Arg Tyr Cys
1 5 10 15

Arg Phe Gly Ser
20

<210> 3023
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3023
Met Gly Ala Pro Thr Leu Pro Pro Ala Trp Gln Pro Phe Leu Lys Asp
1 5 10 15

His Arg Ile Ser
20

<210> 3024
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3024
Asp Lys Lys Thr Phe Tyr Lys Thr Ala Asp Ile Ser Gln Met Leu Val

1 5 10 15

Cys Thr Ala Asp
20

<210> 3025
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3025
Leu Ser Asn Arg Leu Leu Leu Arg Leu Glu Cys Asn Val Val Ile Ile
1 5 10 15

Ala His Cys Asn
20

<210> 3026
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3026
Glu Cys Tyr Gln Pro Tyr Tyr Leu Pro Gly Tyr Arg Tyr Leu Asn Ser
1 5 10 15

Trp Arg Pro Ser
20

<210> 3027
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3027
Tyr Trp Thr Glu Arg Phe Leu Glu Asp Thr Thr Leu Thr Ile Thr Val
1 5 10 15

Pro Ala Val Ser
20

<210> 3028
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3028
Pro Tyr Arg Leu Pro Ala Leu Phe Glu Leu Tyr Pro Glu Phe Leu Leu
1   5   10   15

Val Phe Lys Glu
            20

<210> 3029
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3029
Asp Val Lys Val Gln Phe Phe Tyr Ser Asn Leu Pro Thr Tyr Tyr Asp
1   5   10   15

Asn Cys Ser Phe
            20

<210> 3030
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3030
Ile Cys Ala Gly Thr Ile Ile Ala Ser Gln Trp Val Leu Thr Val Ala
1   5   10   15

His Cys Leu Ile
            20

<210> 3031
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3031
Leu Phe Val Trp Met His Tyr Tyr Val Ser Met Asp Ala Leu Leu Gly
1   5   10   15

Gly Ser Glu Ile
            20

<210> 3032

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3032
Gly Cys Asn Lys Arg Tyr Phe Lys Leu Ser His Leu Gln Met His Ser
1   5   10   15

Arg Lys His Thr
            20

<210> 3033
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3033
Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp
1   5   10   15

Leu Gly Ser Gly
            20

<210> 3034
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3034
Gln Ile Leu Glu Leu Leu Val Leu Glu Gln Phe Leu Thr Ile Leu Pro
1   5   10   15

Gly Asp Leu Gln
            20

<210> 3035
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3035
His Tyr Arg Cys Ser Asn His Val Tyr Tyr Ala Lys Arg Val Leu Cys
1   5   10   15

Ser Gln Pro Val
            20

<210> 3036
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3036
His Val Pro Ser Val Leu Leu Ala Asp Gln Leu Gln Met Ser Leu Tyr
1   5   10   15

Ala Ser Gly Leu
            20

<210> 3037
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3037
Cys Ala Ile Val Thr Phe Met Asn Lys Thr Leu Gly Thr Phe Ser Ile
1   5   10   15

Ala Val Ala His
            20

<210> 3038
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3038
Leu Asn Glu Glu Leu Asp Phe Leu Val Thr Ser Tyr Glu Glu Ile Ile
1   5   10   15

Glu Cys Ala Asp
            20

<210> 3039
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3039
Met Ala Arg Ala Leu Val Gln Leu Trp Ala Ile Cys Met Leu Arg Val
1   5   10   15

Ala Leu Ala Thr
            20

<210> 3040
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3040
Glu Val Met Tyr Pro His Leu Met Glu Gly Phe Leu Pro Phe Ser Asn
1   5   10   15

Leu Val Thr His
            20

<210> 3041
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3041
Arg Val Tyr His Ser Leu Cys Pro Ile Ser Trp Val Glu Ser Trp Asn
1   5   10   15

Glu Gln Ile Lys
            20

<210> 3042
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3042
Ser Ser Asp Pro Thr Ser Trp Ser Ser Ala Ile Gln Ser Trp Tyr Asp
1   5   10   15

Glu Ile Leu Asp
            20

<210> 3043
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3043

Asp Ser Pro Ser Tyr Gln Lys Arg Gln Arg Met Ala Leu Leu Ala Arg
1   5   10   15

Lys Gln Gly Ala
            20

<210> 3044
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3044
Val Lys Arg Leu Leu Ala Val Ser Val Ser Cys Ile Thr Tyr Leu Arg
1   5   10   15

Gly Ile Phe Pro
            20

<210> 3045
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3045
Val Ile Ser Phe Val Leu Phe Leu Phe Gly Gly Asn Asn Phe Ile Gln
1   5   10   15

Asn Phe Tyr Leu
            20

<210> 3046
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3046
Ser His Pro Tyr Gly Phe Pro Trp Glu Leu Val Ile Arg Ala Ala Val
1   5   10   15

Ala Gly Phe Phe
            20

<210> 3047
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3047
Arg Pro Asp Ser Asn Leu Tyr Gly Phe Pro Trp Glu Leu Val Ile Cys
1   5   10   15

Ala Ala Val Val
            20

<210> 3048
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3048
Ser Pro Pro Ala Pro Ala Arg Arg His Leu Leu Val Leu Leu Leu Leu
1   5   10   15

Leu Ser Thr Leu
            20

<210> 3049
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3049
Ser Gln Asp Ser Gly Leu Val Ser Leu Ser Ser Ser Ser Pro Ile Ser
1   5   10   15

Asn Lys Ser Thr
            20

<210> 3050
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3050
Thr Ser Ala Pro Gly Ala Met Leu Ala Ser Trp Ala Arg Ile Ala Ala
1   5   10   15

Arg Ala Val Gln
            20

<210> 3051
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3051
Glu Cys Val Cys Glu Asn Tyr Lys Leu Ala Val Asn Cys Phe Val Asn
1   5   10   15

Asn Asn Arg Gln
            20

<210> 3052
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3052
Glu Ser Thr Val Cys Leu Met Ser Tyr Glu Arg Arg Gln Ile Leu His
1   5   10   15

Leu Ile Thr Met
            20

<210> 3053
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3053
Ser His Tyr Val Ala Gln Thr Gly Ile Leu Trp Leu Leu Met Asn Asn
1   5   10   15

Cys Phe Leu Asn
            20

<210> 3054
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3054
Leu Leu Lys Glu Arg Asp Ile Thr Leu Arg His Leu Leu Thr Met Arg
1   5   10   15

Glu Asp Glu Phe

20

<210> 3055
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3055
Ser His Ile Ser Pro Phe Ser His Ser Ser His Met Leu Thr Thr Pro
1 5 10 15

Thr Pro Met His
20

<210> 3056
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3056
Ala Thr Trp Pro His Ser Val His Arg Leu Ala Gln Ser Tyr Leu Lys
1 5 10 15

Glu Pro Met Ile
20

<210> 3057
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3057
Asn Val Ala Arg Cys Trp Thr Tyr Glu Thr Ala Val Ala Leu Asp Cys
1 5 10 15

Glu Ile Pro Asn
20

<210> 3058
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3058
Asn Val Ala Arg Cys Trp Thr Tyr Glu Thr Ser Leu Leu Val Glu Glu
1 5 10 15

Ala Ile Ser Glu
            20

<210> 3059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3059
Arg Gln Gln Ser Lys Ala His Arg His Arg His Arg Arg Gly Tyr Ser
1   5   10   15

Arg Cys Arg Ser
            20

<210> 3060
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3060
Ala Pro Leu Leu Leu Leu Ser Leu His Gly Val Ala Ala Ser Leu Glu
1   5   10   15

Val Ser Glu Ser
            20

<210> 3061
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3061
Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile Ser Thr Thr Phe Gly
1   5   10   15

Cys Thr Ser Ser
            20

<210> 3062
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3062
Ala Val His Lys His Ala Leu His Asp Gly Leu Arg Gln Val Ala Gly
1   5   10   15

Pro Gly Ala Ala
            20

<210> 3063
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3063
His Val Lys Lys Gly Ile Phe Tyr His Arg Ala Leu Leu Phe Lys Ala
1   5   10   15

Leu Ala Asp Arg
            20

<210> 3064
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3064
Trp Arg Glu Glu Gly Phe Pro Val Gly Leu Lys Leu Ala Val Leu Gly
1   5   10   15

Ile Phe Ile Ile
            20

<210> 3065
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3065
Pro Glu Glu Val Ile Trp Glu Ala Leu Asn Met Met Gly Leu Tyr Asp
1   5   10   15

Gly Met Glu His
            20

<210> 3066
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3066
Lys Ile Ile Asp Leu Val His Leu Leu Leu Arg Lys Tyr Arg Val Lys
1   5   10   15

Gly Leu Ile Thr
            20

<210> 3067
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3067
Pro Ala Cys Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Val Glu Thr
1   5   10   15

Ser Tyr Val Lys
            20

<210> 3068
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3068
Asp Pro Ile Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser
1   5   10   15

Tyr Asp Gly Leu
            20

<210> 3069
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3069
Pro Ala Cys Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ile Glu Thr
1   5   10   15

Ser Tyr Val Lys
            20

<210> 3070
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3070
Arg Val Gln Ala Ala Ala Met Leu Asn Asp Gly Ser Ser Ala Met Gly
1   5   10   15

Arg Lys Cys Ser
            20

<210> 3071
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3071
Lys Cys Val Arg Arg Glu Tyr Lys Pro Tyr Phe Pro Gln Ile Leu Asn
1   5   10   15

Arg Thr Ser Gln
            20

<210> 3072
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3072
His Ser Tyr Thr Thr Ala Glu Glu Ala Ala Gly Ile Gly Ile Leu Thr
1   5   10   15

Val Ile Leu Gly
            20

<210> 3073
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3073
Gly Lys Gly Lys Ile Cys Met Ile Val Asn Ile Ser Gln Cys Tyr Leu
1   5   10   15

Ala Tyr Asp Glu
            20

<210> 3074
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3074
Trp Ser Asp Asn Lys Ile Phe Arg Asp Arg Phe Leu Tyr Thr Phe Tyr
1   5   10   15

Phe Cys Cys Arg
            20

<210> 3075
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3075
Arg Phe Thr Pro Val Asp Phe His Tyr Val Arg Asn Arg Ala Cys Phe
1   5   10   15

Phe Val Gln Asp
            20

<210> 3076
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3076
Ile Leu Ser Val Val Ala Lys Leu Leu Ser His Gly Ala Val Ile Glu
1   5   10   15

Val His Asn Lys
            20

<210> 3077
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3077
Ala Glu Asp Trp Asn Leu Tyr Trp Arg Thr Ser Ser Phe Arg Met Thr

1 5 10 15

Glu His Asn Ser
20

<210> 3078
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3078
Ala Ala Asp His Arg Gln Leu Gln Leu Ser Ile Ser Ser Cys Leu Gln
1 5 10 15

Gln Leu Ser Leu
20

<210> 3079
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3079
Leu Gly Ser Lys Lys Tyr Ser Tyr Met Asn Ile Cys Lys Glu Phe Ser
1 5 10 15

Leu Pro Pro Cys
20

<210> 3080
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3080
Glu Asn Gly Lys Val Thr Phe Ile Phe Ser Thr Leu Met Leu Phe Pro
1 5 10 15

Ile Asn Ile Trp
20

<210> 3081
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3081
Gly Asp Gly Pro Asp Val Arg Glu Gly Ile Met Pro Thr Phe Asp Leu
1   5   10   15

Thr Lys Val Leu
            20

<210> 3082
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3082
Asn Glu Phe Pro Val Val Phe Ser Gly Leu Phe Ser Ser His Leu Cys
1   5   10   15

Ala Asp Phe Ala
            20

<210> 3083
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3083
Ile Leu Thr Ile Pro Met His Phe Trp Ala Leu Phe Tyr Pro Lys Arg
1   5   10   15

Ala Met Asp Gln
            20

<210> 3084
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3084
Tyr Val Thr Ser Val Leu Gln Tyr Glu Asn Ser Ile Thr Leu Cys Ala
1   5   10   15

Asp Val Ser His
            20

<210> 3085

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3085
Pro Ala Pro Cys Gln Tyr Ala His Lys Leu Thr Phe Leu Val Ala Gln
1   5   10   15

Ser Ile His Lys
            20

<210> 3086
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3086
Met Val Thr Val His Pro Phe Met Leu Asn Asn Asp Val Cys Val His
1   5   10   15

Phe His Glu Leu
            20

<210> 3087
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3087
Glu Lys Glu Glu Gln Tyr Ile Ala Gln Phe Thr Ser Gln Phe Leu Ser
1   5   10   15

Leu Gln Cys Leu
            20

<210> 3088
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3088
Ser Ile Leu Asn Lys Trp Trp Ile Leu Thr Ala Ala His Cys Leu Tyr
1   5   10   15

Ser Glu Glu Leu
            20

<210> 3089
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3089
Leu Gln Pro Ala Ala Ala Ile Leu Ala Leu Leu Pro Ala Leu Gly Leu
1   5   10   15

Leu Leu Trp Gly
            20

<210> 3090
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3090
Val Asp Cys Thr Pro Leu Met Tyr Ser Leu Val His Asn Leu Thr Lys
1   5   10   15

Glu Leu Lys Ser
            20

<210> 3091
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3091
Ala Leu Ile Cys Glu Leu Met Asp Met Asn Ile Tyr Glu Leu Ile Arg
1   5   10   15

Gly Arg Arg Tyr
            20

<210> 3092
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3092
Phe Lys Phe Cys Thr Cys Leu Ala Thr Val Phe Ser Phe Leu Lys Arg
1   5   10   15

Leu Ile Cys Arg
            20

<210> 3093
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3093
Gly Asp Pro Ser Cys Val Ile Met Gln Asn Trp Ala Arg Ile Glu Ala
1   5   10   15

Arg Leu Cys Asn
            20

<210> 3094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3094
Leu Leu Val Phe Ile Ile Phe Val Arg Cys Asn Pro Val Gln Phe Ala
1   5   10   15

Gly Ile Asn Glu
            20

<210> 3095
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3095
Asn Lys Glu Cys Ala Ile Tyr Thr Asn Arg Ala Leu Cys Tyr Leu Lys
1   5   10   15

Leu Cys Gln Phe
            20

<210> 3096
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3096

Ile Arg Trp Ser His Thr Arg Ile Phe Gln Val Pro Ser Glu Met Thr
1   5   10   15

Glu Asp Ile Met
            20

<210> 3097
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3097
Ser Trp Glu Asn Ile Lys Phe Glu Asp Ser Val Gly Leu Gln Met Val
1   5   10   15

Ser His Cys Thr
            20

<210> 3098
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3098
Ala Met Thr Lys Leu Gly Phe Lys Val Thr Leu Pro Pro Phe Met Cys
1   5   10   15

Asn Lys Gln Ala
            20

<210> 3099
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3099
Ala Met Thr Lys Leu Gly Phe Lys Ala Thr Leu Pro Pro Phe Met Cys
1   5   10   15

Asn Lys Arg Ala
            20

<210> 3100
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3100
Ala Met Thr Lys Leu Gly Phe Lys Ala Thr Leu Pro Pro Phe Met Arg
1   5   10   15

Asn Lys Arg Val
            20

<210> 3101
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3101
Lys His Ser Ser Gly Cys Ala Phe Leu Ser Val Lys Lys Gln Phe Glu
1   5   10   15

Glu Leu Thr Leu
            20

<210> 3102
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3102
Lys Ala Glu Glu Leu Leu Ala Ala Ala Ala Gln Arg His Gln Gln Leu
1   5   10   15

Gln Gln Lys Cys
            20

<210> 3103
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3103
Pro Ala Ser Ala Ser Leu Phe Gln Asp Thr Cys Ala Gly Cys Ala Ser
1   5   10   15

Leu Leu His Gly
            20

<210> 3104
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3104
Trp Tyr Arg Ala Ser Val Leu Ala Tyr Ala Ser Glu Glu Ser Val Leu
1   5   10   15

Val Gly Tyr Val
            20

<210> 3105
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3105
Leu Arg Pro Pro Thr Ile Leu Pro Thr Leu Arg Ser Ala Leu Phe Ser
1   5   10   15

Arg Tyr Ser Pro
            20

<210> 3106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3106
Val Glu Val Lys Gly Cys Thr Ala Met Ile Gly Cys Arg Leu Met Ser
1   5   10   15

Gly Ile Leu Ala
            20

<210> 3107
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3107
Ile Tyr Ser Phe Gly Phe Gly Lys Ala Met Pro Trp Phe Gln Phe Tyr
1   5   10   15

Leu Thr Gly Ala

20

<210> 3108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3108
Cys Gly Lys Gly Tyr Ala Trp Ile Ser Pro Cys Lys Met Ser Leu His
1 5 10 15

Phe Cys Leu Cys
20

<210> 3109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3109
Trp Pro Thr Glu Trp Ile Phe Asn Pro Tyr Arg Leu Pro Ala Leu Phe
1 5 10 15

Glu Leu Tyr Pro
20

<210> 3110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3110
Leu Phe Ile Lys His Phe Ile Ile Tyr Ser Ile Pro Arg Tyr Val Arg
1 5 10 15

Asp Leu Lys Ile
20

<210> 3111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3111
Asn Gly Gln Ala Leu Ala Leu Pro Ala Pro Ser Arg Thr Leu Leu Leu
1 5 10 15

Ala Leu Pro Leu
            20

<210> 3112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3112
Leu Leu Gly Ala Ala Met Val Gly Ala Val Leu Thr Ala Leu Leu Ala
1   5   10   15

Gly Leu Val Ser
            20

<210> 3113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3113
Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe Ser Gly Gln Phe
1   5   10   15

Thr Gly Thr Ala
            20

<210> 3114
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3114
Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
1   5   10   15

Leu Asp Leu Gly
            20

<210> 3115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3115
Leu His Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser
1   5   10   15

Gln Cys Ala Thr
            20

<210> 3116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3116
Cys Glu Gly Gly Thr Asp Val Lys Gly Lys Ile Leu Pro Lys Ala Glu
1   5   10   15

His Phe Lys Met
            20

<210> 3117
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3117
Ser Glu Cys Gly Lys Thr Phe Arg Val Ser Ser His Leu Ile Arg His
1   5   10   15

Phe Arg Ile His
            20

<210> 3118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3118
Pro Thr Glu Tyr Glu Arg Phe Phe Ala Leu Leu Thr Pro Thr Trp Lys
1   5   10   15

Ala Glu Thr Thr
            20

<210> 3119
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3119
Lys Met Leu Glu Ile Leu Phe Glu Leu Leu His Val Pro Ser Val Leu
1   5   10   15

Leu Ala Asp Gln
            20

<210> 3120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3120
Glu Ser Leu Ala Val Ile Leu Ala Gln Leu Leu Ser Leu Ser Met Gly
1   5   10   15

Ile Thr Tyr Asp
            20

<210> 3121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3121
Asn Ile Thr Pro Arg Met Gln His Asp Thr Ser His Leu Phe Thr Thr
1   5   10   15

Leu Gly Leu Arg
            20

<210> 3122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3122
Glu Pro Thr Ala Phe Arg Ile Ser Val Thr Ser Ser Cys Phe Val Gln
1   5   10   15

Asn Thr Leu Thr
            20

<210> 3123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3123
Glu Pro Thr Pro Phe Arg Ile Ser Val Thr Ser Ser Cys Phe Val Gln
1   5   10   15

Asn Thr Leu Thr
            20

<210> 3124
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3124
Pro Ser Gln Asn Gln Ile Arg Asn Cys Tyr Gln Asn Phe Leu Asp Tyr
1   5   10   15

His Arg Cys Leu
            20

<210> 3125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3125
Met Ala Leu Leu Pro Val Leu Phe Leu Val Thr Val Leu Leu Pro Ser
1   5   10   15

Leu Pro Ala Glu
            20

<210> 3126
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3126
Thr Gln Leu Val Lys Trp Met Leu Gly Cys Tyr Asp Ala Leu Gln Lys
1   5   10   15

Lys Tyr Leu Arg
            20

<210> 3127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3127
Met Val His Ser Leu Leu His Arg Leu Ser His Asn Asp His Ile Leu
1   5   10   15

Ile Glu Asn Arg
            20

<210> 3128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3128
Leu Thr Ser Phe Pro Thr Phe Thr Ser Val Gly Val Leu Ile Val Leu
1   5   10   15

Val Leu Cys Ser
            20

<210> 3129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3129
Arg Tyr Cys Ser Ala Val Phe His Glu Arg Tyr Ala Leu Ile Gln His
1   5   10   15

Gln Lys Thr His
            20

<210> 3130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3130
Ala Lys Asn Leu Met Asn Ala Val Val Leu Thr Val Lys Ala Ser Tyr

1 5 10 15

Val Ala Ser Thr
20

<210> 3131
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3131
Val Met Val Glu Ser Ile Gln Phe Cys Phe Ile Trp Arg Ala Ile Ser
1 5 10 15

Ile Thr Pro Val
20

<210> 3132
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3132
Met Ser Glu Val Glu Ala Ala Ala Gly Ala Thr Ala Val Pro Ala Ala
1 5 10 15

Thr Val Pro Ala
20

<210> 3133
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3133
His Ala Met Ser Ser Gln Tyr Arg Met His Ser Tyr Tyr Pro Pro Pro
1 5 10 15

Ser Tyr Leu Gly
20

<210> 3134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3134
Ala Val Val Ala Gly Ile Val Val Leu Val Ile Ser Arg Lys Lys Arg
1   5   10   15

Met Ala Lys Tyr
            20

<210> 3135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3135
Ala Ala Arg Ala Cys Phe Ala Leu Leu Trp Gly Cys Ala Leu Ala Ala
1   5   10   15

Ala Ala Ala Ala
            20

<210> 3136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3136
Gly Ser Val Ala Ser Tyr Ile Leu Ala Ser His Asn Gly Ile Ser Tyr
1   5   10   15

Lys Asp Leu Asp
            20

<210> 3137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3137
Glu Gln Gly Ala Thr Trp Arg His Arg Glu Thr Leu Ile Ile Ala Val
1   5   10   15

Leu Val Ser Ala
            20

<210> 3138

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3138
Ser Cys Arg Lys Leu Phe Tyr Phe Lys Ile Trp Ala Phe Leu Asp Val
1   5   10   15

Ser Phe Val Glu
            20

<210> 3139
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3139
Leu Glu Ala Leu Leu Asn Phe Phe Phe Pro Thr Thr Cys Asn Leu Arg
1   5   10   15

Glu Asn Gln Val
            20

<210> 3140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3140
Ala Ala Ile Asn Ser His Ile Thr Leu Glu Leu Tyr Thr Ser Tyr Leu
1   5   10   15

Tyr Leu Ser Met
            20

<210> 3141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3141
Gly Pro Val Thr Ala Gln Val Val Leu Gln Ala Ala Ile Pro Leu Thr
1   5   10   15

Ser Cys Gly Ser
            20

<210> 3142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3142
Asn Val Ala Arg Cys Trp Thr Tyr Glu Thr Ala Val Ala Leu Asp Thr
1   5   10   15

Glu Ile Pro Asn
            20

<210> 3143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3143
Ala Ser Gly Phe Cys Tyr Val Asn Asp Ile Val Ile Gly Ile Leu Glu
1   5   10   15

Leu Leu Lys Tyr
            20

<210> 3144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3144
Lys Pro Gly Ile Gly Val Leu Leu Asp Thr Asn Tyr Asn Leu Phe Tyr
1   5   10   15

Trp Tyr Glu Gly
            20

<210> 3145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3145
Leu Asp Leu Leu Lys Ser Glu Tyr Pro Val Ile Gln Leu Leu Ala Leu
1   5   10   15

Lys Thr Leu Gly
            20

<210> 3146
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3146
Ala Gln Gly Asp Gly Cys Arg Gly Val Ala Phe Asn Val Met Phe Ser
1   5   10   15

Ala Pro His Ile
            20

<210> 3147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3147
Cys Thr Tyr Lys Ile Gln Arg Leu Met Leu Lys Ser Leu Thr Tyr Pro
1   5   10   15

Glu Arg Pro Pro
            20

<210> 3148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3148
Gly Leu Val Cys Val Gln Ala Ala Thr Ser Ser Ser Ser Pro Leu Val
1   5   10   15

Leu Gly Thr Leu
            20

<210> 3149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3149

Ala Ala Ile Ser Arg Lys Met Val Glu Leu Val His Phe Leu Leu Leu
1   5   10   15

Lys Tyr Arg Ala
            20

<210> 3150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3150
Lys Thr Gly Leu Leu Ile Ile Val Leu Gly Thr Ile Ala Met Glu Gly
1   5   10   15

Asp Ser Ala Ser
            20

<210> 3151
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3151
Gly Gly Ala Ser Ser Ser Ile Ser Val Tyr Tyr Thr Leu Trp Ser Gln
1   5   10   15

Phe Asp Glu Gly
            20

<210> 3152
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3152
Ser Trp Asp Phe Pro Arg Arg Lys Leu Leu Met Pro Leu Leu Gly Val
1   5   10   15

Ile Phe Leu Asn
            20

<210> 3153
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3153
Pro Gly Leu Tyr Pro His Leu Tyr Glu Asp Ala Leu Ile Asp Glu Val
1   5   10   15

Glu Arg Ala Leu
            20

<210> 3154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3154
Gly Ile Gly Ile Leu Thr Val Ile Leu Gly Val Leu Leu Leu Ile Gly
1   5   10   15

Cys Trp Tyr Cys
            20

<210> 3155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3155
Asn Ser Tyr Pro Tyr Tyr Pro Tyr Leu Tyr Cys Val Gly Ser Trp Ser
1   5   10   15

Pro Ala Phe Trp
            20

<210> 3156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3156
Ala Ile Phe Tyr Cys Leu Phe Glu Met Gln Asp Pro Ala Phe Val Lys
1   5   10   15

Gln Ala Val Asn
            20

<210> 3157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3157
Lys Asp Tyr Thr Cys Leu Leu Ser Ser Thr Trp Gln Glu Leu Ile Leu
1   5   10   15

Leu Ser Ser Leu
            20

<210> 3158
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3158
Ile Asp Ile Ile Leu Asn Arg Arg Asn Cys Met Ala Ala Thr Leu Lys
1   5   10   15

Ile Ile Glu Arg
            20

<210> 3159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3159
Met Tyr Gly Thr Ser Leu Tyr Gln Phe Ile Pro Leu Thr Phe Val Met
1   5   10   15

Pro Asn Asp Tyr
            20

<210> 3160
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3160
Lys Arg Glu Leu Ala Lys Leu Arg Arg Thr Thr Asn Arg Ile Leu Ala
1   5   10   15

Ser Ser Cys Cys

20

<210> 3161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3161
Ser Ser Pro Gly Pro Lys Tyr Leu Ile Pro Pro Thr Thr Gly Phe Met
1 5 10 15

Lys His Thr Pro
20

<210> 3162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3162
Thr His Ser Phe Arg Trp Met Ala Gln Val Leu Ala Ser Glu Leu Ser
1 5 10 15

Leu Val Ala Phe
20

<210> 3163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3163
Leu Arg Gly His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu
1 5 10 15

Leu Lys Thr Lys
20

<210> 3164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3164
Gly Asn Val Cys Ile Leu Arg Thr Gln Leu Leu Gln Gln Leu Tyr Thr
1 5 10 15

Ser Lys Ala Val
            20

<210> 3165
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3165
Leu Trp Lys Lys Arg Trp Phe Val Leu Ser Asp Leu Cys Leu Phe Tyr
1   5   10   15

Tyr Arg Asp Glu
            20

<210> 3166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3166
Val Thr Gly Asn Val Thr Ala Phe Asp Gly Ser Ile Leu Tyr Leu Pro
1   5   10   15

Val Lys Leu Gln
            20

<210> 3167
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3167
Arg Glu Leu Pro Leu Leu Asn Ala Met Pro Leu His Ser Trp Leu Ile
1   5   10   15

Leu Tyr Ser Arg
            20

<210> 3168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3168
Asp Val Ser Tyr Lys Val Leu Arg Asn Glu Thr Val Leu Glu Phe Met
1   5   10   15

Thr Ala Leu Cys
            20

<210> 3169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3169
Gly Thr Pro Ser Lys Phe Val Ile Pro Val Ser Cys Ala Ala Pro Gln
1   5   10   15

Lys Ser Pro Trp
            20

<210> 3170
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3170
Arg Ala Val Gly Leu Leu Thr Val Ile Ser Lys Gly Cys Ser Leu Asn
1   5   10   15

Cys Val Asp Asp
            20

<210> 3171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3171
Pro Ser Asn Ala Leu Ser Thr Val Leu Pro Gly Leu Ala Tyr Leu Ala
1   5   10   15

Thr Ala Asp Met
            20

<210> 3172
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3172
Gly Asn Ala Lys Tyr Ala Asn Met Trp Leu Glu Tyr Tyr Asn Leu Glu
1   5   10   15

Arg Ala His Gly
            20

<210> 3173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3173
Val Pro Asp Lys Leu Arg Ser Leu Ala Leu Gly Val Ser Tyr Val Ile
1   5   10   15

Leu Arg Ile Phe
            20

<210> 3174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3174
Met Ser Ile Pro Phe Ser Asn Thr His Tyr Arg Ile Pro Gln Gly Phe
1   5   10   15

Gly Asn Leu Leu
            20

<210> 3175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3175
Ile Glu Gln Val Arg Arg Ser Ile Ser Arg Leu Thr Asp Val Ser Ala
1   5   10   15

Gln Asp Phe Ser
            20

<210> 3176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3176
Met Cys Ile Tyr Lys Tyr Gly Ser Met Ser Met Ser Phe Glu Ala His
1   5   10   15

His Leu Thr Val
            20

<210> 3177
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3177
Glu His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile
1   5   10   15

Tyr Glu Glu Ile
            20

<210> 3178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3178
His Lys Asp Leu Trp Asp Phe His Met Pro Glu Arg Leu Ala Lys Glu
1   5   10   15

Ile Cys Ala Leu
            20

<210> 3179
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3179
Pro Asp Glu Val Glu Asn Gln Phe Ile Leu Arg Leu Pro Leu Glu His
1   5   10   15

Ala Cys Thr Val
            20

<210> 3180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3180
Ala Gln Asp Ala Gly Val Tyr Gln Cys Leu Ala Ser Asn Pro Val Gly
1   5   10   15

Thr Val Val Ser
            20

<210> 3181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3181
Cys Asn Leu Glu Pro Leu Val Ser Arg Asp Pro Pro Ala Ser Ala Ser
1   5   10   15

Leu Phe Gln Asp
            20

<210> 3182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3182
Thr Ile Gln Ala Asn Val Leu Glu Ile Ile Ser Pro Asn Leu Phe Tyr
1   5   10   15

Ala Leu Pro Lys
            20

<210> 3183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3183
Glu Glu Ala Ile Thr Ile Val Gln His Ser Ser Pro Pro Gly Leu Ile

1 5 10 15

Val Thr Ser Tyr
20

<210> 3184
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3184
Leu Leu Lys Ala Gly Val Ile Ser Ala Gln Asn Ile Tyr Ser Phe Gly
1 5 10 15

Phe Gly Lys Ala
20

<210> 3185
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3185
Thr Ser Ser Asp Arg Thr Ile Asn Leu Leu Glu Val Leu Pro Trp Pro
1 5 10 15

Thr Glu Trp Ile
20

<210> 3186
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3186
Tyr Asp Asn Cys Ser Phe Tyr Phe Trp Leu His Thr Ser Phe Ile Glu
1 5 10 15

Asn Asn Arg Leu
20

<210> 3187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3187
Val Gln Glu Leu Arg Arg Gln Asn Tyr Ser Ser Asn Ala Tyr His Met
1   5   10   15

Ser Ser Thr Met
            20

<210> 3188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3188
Glu Cys Asp Asn Phe Tyr His Asn Phe Thr Lys Ile Pro Thr Leu Val
1   5   10   15

Gln Ile Ile Lys
            20

<210> 3189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3189
Glu Cys Met Thr Trp Asn Gln Met Asn Leu Gly Ala Thr Leu Lys Gly
1   5   10   15

Val Ala Ala Gly
            20

<210> 3190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3190
Asn Glu Cys Gly Lys Ala Phe Arg His Ser Ser Lys Leu Ala Arg His
1   5   10   15

Gln Arg Ile His
            20

<210> 3191

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3191
Leu Tyr Gly Gly Leu His Met Asp Phe Trp Cys Ala Arg Leu Ala Thr
1   5   10   15

Lys Gly Cys Glu
            20

<210> 3192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3192
Val Val Asp Ser Gly Tyr Gly Leu Thr Arg Val Gln Pro Phe His Gln
1   5   10   15

Gly Arg Pro Leu
            20

<210> 3193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3193
Lys Thr Ser Tyr Leu Val Leu Arg Pro His Asp Val Ala Phe Leu Leu
1   5   10   15

Val Tyr Arg Glu
            20

<210> 3194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3194
Phe Thr Thr Leu Gly Leu Arg Gly Leu Ser Gly Ile Gly Ala Phe Arg
1   5   10   15

Gly Met Cys Thr
            20

<210> 3195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3195
Ile Ser Leu Ala Asp Leu Ala Thr Ile Phe Phe Ala Gln Phe Val Gln
1   5   10   15

Glu Ala Thr Tyr
            20

<210> 3196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3196
Phe Leu Asn Leu Val Gln Cys Ile Gln Asn Lys Pro Leu Tyr Phe Ala
1   5   10   15

Asp Arg Leu Tyr
            20

<210> 3197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3197
Ala Leu Gln Ile Val Tyr Gly Ile Arg Leu Glu His Phe Tyr Met Met
1   5   10   15

Pro Val Asn Ser
            20

<210> 3198
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3198
Lys Ser Pro Asn Ala Val Val Gly His Tyr Thr Gln Leu Val Trp Tyr
1   5   10   15

Ser Thr Tyr Gln
            20

<210> 3199
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3199
Asp Lys Thr Glu Lys Val Ala Val Asp Pro Glu Thr Val Phe Lys Arg
1   5   10   15

Pro Arg Glu Cys
            20

<210> 3200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3200
Asn Phe Tyr Leu Pro Gln Asn Tyr Ile Asp Gln Phe Leu Leu Thr Ser
1   5   10   15

Phe Pro Thr Phe
            20

<210> 3201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3201
Pro Gln Arg Gln Asp Arg Phe Tyr Ser Asn Cys Ala Arg Leu Ser Gly
1   5   10   15

Pro Ala Glu Leu
            20

<210> 3202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3202

Ala Ala Val Val Gly Phe Phe Ala Val Leu Phe Phe Leu Trp Arg Ser
1   5   10   15

Phe Arg Ser Val
            20

<210> 3203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3203
Cys His Leu Cys Leu Lys Thr Phe Arg Thr Val Thr Leu Leu Arg Asn
1   5   10   15

His Val Asn Thr
            20

<210> 3204
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3204
Val Phe Trp Lys Tyr Arg Arg Phe Gln Arg Asn Thr Gly Glu Met Ser
1   5   10   15

Ser Asn Ser Thr
            20

<210> 3205
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3205
Val Ser Arg Val Pro Val Tyr Ala His Ile Thr His Lys Ala Leu Lys
1   5   10   15

Asp Ile Pro Lys
            20

<210> 3206
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3206
Cys Pro Asp Cys Ala Lys Arg Asn Lys Lys Met Met Lys Arg Leu Met
1   5   10   15

Thr Val Glu Lys
            20

<210> 3207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3207
Asp Val Trp Ser Phe Gly Ile Val Met Trp Glu Val Met Thr Tyr Gly
1   5   10   15

Glu Arg Pro Tyr
            20

<210> 3208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3208
Ile Lys Asn Leu Glu Arg Tyr Met Cys Ser Arg Phe Phe Ile Asp Phe
1   5   10   15

Pro His Ile Glu
            20

<210> 3209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3209
Ser Met Arg Pro Thr Leu Ile Asp Leu Leu Pro Thr Phe Arg His Thr
1   5   10   15

Leu Gln Lys Leu
            20

<210> 3210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3210
Ser Ser Gly Thr Thr Ser Phe Lys Cys Phe Ala Pro Phe Arg Asp Val
1   5   10   15

Pro Lys Gln Met
            20

<210> 3211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3211
Asp Pro Asn Val Ala Cys Arg Arg Leu Met Thr Pro Ile Met Tyr Ala
1   5   10   15

Ala Arg Asp Gly
            20

<210> 3212
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3212
Ala Asp Gln Pro Arg Trp Val Ser His His His Pro Ala Val Leu Asn
1   5   10   15

Gly Gln His Pro
            20

<210> 3213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3213
His Ser Pro Leu Lys Leu Leu Thr Ser Met Ala Ile Ser Val Val Cys
1   5   10   15

Phe Phe Phe Leu

20

<210> 3214
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3214
Ser Ser Gly Thr Leu Ile Ser Arg Ala Leu Val Val Thr His Thr Tyr
1 5 10 15

Leu Glu Pro Gly
20

<210> 3215
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3215
Met Ser Lys Val Met Glu Met Phe Gln Pro Ser Ala Val Val Leu Gln
1 5 10 15

Cys Gly Ser Asp
20

<210> 3216
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3216
Gly Val Glu Glu Ala Phe Tyr Thr Thr Asp Arg Val Met Thr Val Ser
1 5 10 15

Phe His Lys Tyr
20

<210> 3217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3217
Gly Val Gln Glu Ala Phe Tyr Leu Thr Asp Arg Val Met Thr Val Ser
1 5 10 15

Phe His Lys Tyr
            20

<210> 3218
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3218
Pro Pro His Thr His Ser Tyr Thr Ile Ser His Ala Thr Leu Glu Arg
1   5   10   15

Ile Gly Ala Val
            20

<210> 3219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3219
Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro Pro Val Tyr Leu Thr
1   5   10   15

Phe Thr Arg Glu
            20

<210> 3220
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3220
Ser Glu Thr Glu Thr Val His Leu Phe Ile Pro Ala Leu Ser Val Gly
1   5   10   15

Ala Ile Ile Gly
            20

<210> 3221
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3221
His Glu Phe Ala Ser Leu Cys Leu Ala Asn Met Ser Ala Glu Tyr Thr
1   5   10   15

Ser Lys Val Gln
            20

<210> 3222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3222
Gly Thr Tyr Pro Phe Cys Thr Tyr Tyr Phe Val Leu Ser Ile Ile Val
1   5   10   15

Pro Asp Lys Thr
            20

<210> 3223
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3223
Cys Ile Leu Glu Ser Leu Phe Arg Ala Val Ile Thr Lys Lys Val Ala
1   5   10   15

Asp Leu Val Gly
            20

<210> 3224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3224
Glu Lys Val Thr Asp Leu Val Gln Phe Leu Leu Phe Lys Tyr Gln Met
1   5   10   15

Lys Glu Pro Ile
            20

<210> 3225
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3225
Glu Val Val Glu Val Val Arg Ile Gly His Leu Tyr Ile Leu Val Thr
1   5   10   15

Cys Leu Gly Leu
            20

<210> 3226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3226
Ser Arg Lys Val Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg
1   5   10   15

Ala Arg Glu Pro
            20

<210> 3227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3227
Glu Phe Leu Trp Gly Pro Arg Ala Leu Ala Glu Thr Ser Tyr Val Lys
1   5   10   15

Val Leu Glu His
            20

<210> 3228
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3228
Gly Leu Asp Thr Gln Glu Glu Ala Leu Gly Leu Val Gly Val Gln Ala
1   5   10   15

Ala Thr Thr Glu
            20

<210> 3229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3229
Glu Ala Leu Lys Leu Lys Val Ala Glu Leu Val His Phe Leu Leu His
1   5   10   15

Lys Tyr Arg Val
            20

<210> 3230
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3230
Glu Val Asn Pro Thr Thr His Ser Tyr Ile Leu Val Ser Met Leu Gly
1   5   10   15

Pro Asn Asp Gly
            20

<210> 3231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3231
Asp Pro Asp Asp Ser Tyr Val Phe Val Asn Thr Leu Asp Leu Thr Ser
1   5   10   15

Glu Gly Cys Leu
            20

<210> 3232
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3232
Glu Lys Asn Cys Glu Pro Val Val Pro Asn Ala Pro Pro Ala Tyr Glu
1   5   10   15

Lys Leu Ser Ala
20

<210> 3233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3233
Ile Glu Leu Glu Arg Lys Phe Ser His Gln Lys Tyr Leu Ser Ala Pro
1 5 10 15

Glu Arg Ala His
20

<210> 3234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3234
Leu Ile Glu Asp Gly Tyr Ala Val Thr Gln Ala Glu Leu Phe Ala Leu
1 5 10 15

Leu Cys Arg Leu
20

<210> 3235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3235
Leu Lys Pro Leu Val Phe Arg Val Asp Glu Thr Thr Pro Ala Val Val
1 5 10 15

Gln Ser Val Leu
20

<210> 3236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3236
Asn Ile Leu Thr Ile Arg Leu Thr Ala Ala Asp His Arg Gln Leu Gln

1 5 10 15

Leu Ser Ile Ser
20

<210> 3237
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3237
Val Asp Arg Glu Leu Arg Gln Leu Arg Cys Ile Asp Glu Phe Ser Thr
1 5 10 15

Arg Cys Leu Cys
20

<210> 3238
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3238
Tyr Asp Lys Lys Ile Asp Ser Leu Met Asn Ala Val Gly Cys Leu Lys
1 5 10 15

Ser Glu Val Lys
20

<210> 3239
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3239
Asp Ser Thr Pro Gly Pro Ala Ala Tyr Met Leu Pro Met Val Met Gly
1 5 10 15

Pro Asn Thr Val
20

<210> 3240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3240
Ser Ile Pro Ile Gly Trp Ser Tyr Phe Ile Gly Trp Leu Val Leu Ile
1   5   10   15

Leu Tyr Phe Thr
            20

<210> 3241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3241
Gln Val Thr Leu Gln Leu Leu Asp Gly Phe Met Ile Thr Leu Ser Thr
1   5   10   15

Asp Gly Val Ile
            20

<210> 3242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3242
Pro Ile Cys Asn Asp His Tyr Arg Ser Val Tyr Gln Lys Arg Leu Met
1   5   10   15

Asp Glu Ala Lys
            20

<210> 3243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3243
Pro Asp His Ile Gln Arg Leu Thr Tyr Lys Leu Cys His Ile Tyr Tyr
1   5   10   15

Asn Trp Pro Gly
            20

<210> 3244

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3244
Lys Tyr Thr Arg Pro Thr Leu Gln Met Gly Met Ser Cys Leu Leu Val
1   5   10   15

Phe Lys Val Ile
            20

<210> 3245
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3245
Leu Asp Gln Leu Leu Arg His Val Met Asn Pro Leu Glu Thr Leu Ser
1   5   10   15

Ile Thr Asn Cys
            20

<210> 3246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3246
Asn Cys Val Asp Asp Ser Gln Asp Tyr Tyr Val Gly Lys Lys Asn Ile
1   5   10   15

Thr Cys Cys Asp
            20

<210> 3247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3247
Tyr Glu Leu Val Glu Lys Phe Tyr Asp Pro Met Phe Lys Tyr His Leu
1   5   10   15

Thr Val Ala Gln
            20

<210> 3248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3248
Ser Arg Thr Asp Lys Val Leu Ser Thr Ala Pro Pro Gln Leu Val His
1   5   10   15

Met Ala Ala Ala
            20

<210> 3249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3249
Gly Lys Lys His Arg Tyr Leu Arg Leu Leu Pro Glu Ala Leu Ile Arg
1   5   10   15

Phe Gly Gly Phe
            20

<210> 3250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3250
Thr Thr Gly Thr Gly Val Val Tyr Pro Gly Ala Ile Thr Met Ala Thr
1   5   10   15

Thr Thr Pro Ser
            20

<210> 3251
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3251
Ala Glu Ala Ala Gly Lys Tyr Ser Ala Ala Ile Ala Leu Leu Glu Pro
1   5   10   15

Ala Gly Ser Glu
            20

<210> 3252
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3252
Asn Ile Leu Asp Ser Phe Thr Val Cys Asn Ser His Val Leu Cys Ile
1   5   10   15

Ala Ser Val Pro
            20

<210> 3253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3253
Arg Leu Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile Ser Asp
1   5   10   15

Pro Glu Glu Asp
            20

<210> 3254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3254
Pro Pro Ala Trp Gln Pro Phe Leu Lys Asp His Arg Ile Ser Thr Phe
1   5   10   15

Lys Asn Trp Pro
            20

<210> 3255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3255

Gln Glu Cys Lys Glu Arg Ile Ser Ala Leu Asn Leu Gln Ile Glu Glu
1   5   10   15

Glu Lys Asn Lys
            20

<210> 3256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3256
Arg Glu Glu Lys Cys Val Trp Lys His Gly Ile Thr Pro Pro Leu Lys
1   5   10   15

Asn Val Arg Lys
            20

<210> 3257
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3257
Arg Leu Leu Leu Arg Leu Glu Cys Asn Val Val Ile Ile Ala His Cys
1   5   10   15

Asn Leu Glu Pro
            20

<210> 3258
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3258
Thr Ser Gly Leu Glu Leu Tyr Cys Gln Lys Gly Leu Ser Met Thr Val
1   5   10   15

Glu Ala Asp Pro
            20

<210> 3259
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3259
Ile Val His Leu Leu Leu Gln Ile Ser Asp Ala Leu Arg Tyr Leu His
1   5   10   15

Phe Gln Gly Phe
            20

<210> 3260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3260
Thr Ile Ser Phe Phe Leu Cys Gln Met Leu Tyr Asn Arg Arg Lys Ile
1   5   10   15

Leu Gln Leu Lys
            20

<210> 3261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3261
Phe Tyr Lys Phe Phe Leu Pro Thr Ile Leu Ser Leu Ser Phe Phe Ile
1   5   10   15

Leu Leu Val Leu
            20

<210> 3262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3262
Tyr Ile Pro Leu Glu Tyr Arg Ser Ile Ser Leu Ala Ile Ala Leu Phe
1   5   10   15

Phe Leu Met Asp
            20

<210> 3263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3263
Phe Tyr His Lys Thr Asn Ile Lys Met Arg Cys Glu Phe Leu Ala Cys
1   5   10   15

Trp Pro Ala Phe
            20

<210> 3264
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3264
Thr Arg Glu Leu Cys Ile Lys Leu Asp Ser Ser Lys Glu Leu Leu Asn
1   5   10   15

Arg Gln Leu Val
            20

<210> 3265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3265
Gly Glu Pro Leu Val Cys Ser Met Glu Gly Thr Trp Tyr Leu Val Gly
1   5   10   15

Leu Val Ser Trp
            20

<210> 3266
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3266
Leu Asp Arg Arg Gly Ala Val Ile Gln Ser Val Pro Gly Phe Trp Ala
1   5   10   15

Asn Val Ile Ala

20

<210> 3267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3267
Leu Cys Gly Ala Gln Tyr Arg Ile His Thr His Gly Val Phe Arg Gly
1 5 10 15

Ile Gln Asp Val
20

<210> 3268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3268
Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
1 5 10 15

Arg Glu Glu Gly
20

<210> 3269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3269
Tyr Val Arg Asn Leu Phe Leu Thr Gly Asn Gln Leu Ala Val Leu Pro
1 5 10 15

Ala Gly Ala Phe
20

<210> 3270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3270
Asn Pro Gly Ser Leu Leu Gln Leu Pro His Thr Glu Ala Leu Leu Val
1 5 10 15

Leu Cys Tyr Ser
            20

<210> 3271
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3271
Gln Leu Gln Met Ser Leu Tyr Ala Ser Gly Leu Leu Thr Gly Val Val
1   5   10   15

Val Asp Ser Gly
            20

<210> 3272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3272
Asp Arg Lys Val Ile Cys Phe Val Asp Val Ser Thr Leu Asn Val Glu
1   5   10   15

Asp Lys Asp Tyr
            20

<210> 3273
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3273
Glu Pro Leu Ser Asn Ala Val Lys Arg Asn Val Pro Arg Cys Ile Ile
1   5   10   15

Ile Leu Val Leu
            20

<210> 3274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3274
Ile Ser Ile Ser Ser Leu Arg Gln Phe Glu Thr Val Cys Lys Phe His
1   5   10   15

Trp Val Glu Ala
            20

<210> 3275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3275
Thr His Leu Tyr Thr Leu Ile Leu Arg Pro Asp Leu Ser Tyr Asp Val
1   5   10   15

Lys Ile Asp Gly
            20

<210> 3276
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3276
Ser Ser Ala Ile Gln Ser Trp Tyr Asp Glu Ile Leu Asp Phe Val Tyr
1   5   10   15

Gly Val Gly Pro
            20

<210> 3277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3277
His Ile Leu Ile Glu Asn Arg Gln Leu Ser Arg Leu Met Val Gly Pro
1   5   10   15

His Ala Ala Ala
            20

<210> 3278
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3278
Leu Ile Val Leu Val Leu Cys Ser Ala Phe Leu Leu Leu Trp Gln Gly
1   5   10   15

Glu Gly Val Asn
            20

<210> 3279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3279
Ile Gly Cys Val Thr Ser Ile Asn Glu Asp Asn Ile Tyr Ile Ser Asn
1   5   10   15

Ser Ile Tyr Phe
            20

<210> 3280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3280
Asn Pro Asn Ser Leu Ala Ile Tyr Arg Leu Pro Thr Leu Asp Pro Val
1   5   10   15

Cys Val Gly Asp
            20

<210> 3281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3281
Val Ser Val Glu Ala Phe Leu Met Gln Ala Ser Gly Val Arg Trp Cys
1   5   10   15

Val Val His Gly
            20

<210> 3282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3282
Asn Thr Val Ile Cys Ser Lys Leu Ala Ala Lys Cys Leu Val Met Lys
1   5   10   15

Ala Glu Met Asn
            20

<210> 3283
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3283
Val Cys Arg Lys Trp Asn Gln Met Met Tyr Ser Ala Glu Leu Trp Arg
1   5   10   15

Tyr Arg Thr Ile
            20

<210> 3284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3284
Arg Asn Arg Arg Ser His Arg Ala Met Arg Val Ala His Leu Glu Leu
1   5   10   15

Ala Thr Tyr Glu
            20

<210> 3285
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3285
Asn Lys His His Glu Ile Phe Asn Leu Leu Ser Phe Thr Leu Asn Pro
1   5   10   15

Leu Glu Gly Lys
            20

<210> 3286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3286
Ala Cys Gly Leu Tyr His Lys Met Asn Gly Gln Asn Arg Pro Leu Ile
1   5   10   15

Lys Pro Lys Arg
            20

<210> 3287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3287
Val Asn Gly Met Tyr Arg Ile Tyr Asp Met Glu Asn Val Leu Leu Gly
1   5   10   15

Leu Phe Ser Thr
            20

<210> 3288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3288
Leu Ser Ile Gly Thr Gly Arg Ala Met Leu Gly Thr His Thr Met Glu
1   5   10   15

Val Thr Val Tyr
            20

<210> 3289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3289
Thr Glu Glu Glu Lys Trp Ser His Met Gln Thr Phe Leu Gln Ser Met

1 5 10 15

Ser Ser Thr Asp
20

<210> 3290
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3290
Ala Ile Leu Glu Leu Leu Lys Tyr His Gln Arg Val Leu Tyr Ile Asp
1 5 10 15

Ile Asp Ile His
20

<210> 3291
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3291
Ala Leu Ser Ser Gly Leu Tyr Gln Cys Val Ala Ser Asn Ala Ile Gly
1 5 10 15

Thr Ser Thr Cys
20

<210> 3292
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3292
Asn Ile Pro Pro His Leu Gln Trp Glu Val Leu Asp Ser Leu Leu Val
1 5 10 15

Gln Tyr Gly Val
20

<210> 3293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3293
Pro Cys Gly Ala Arg Arg Pro Asp Ser Arg Leu Leu Gln Leu His Ile
1   5   10   15

Thr Met Pro Phe
            20

<210> 3294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3294
Ile Pro Ala Ile Val His Tyr Ser Pro Asp Cys Lys Ile Leu Val Val
1   5   10   15

Ser Asn Pro Val
            20

<210> 3295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3295
Tyr Glu Lys Lys Leu Val Gln Leu Leu Val Ser Pro Pro Cys Ala Pro
1   5   10   15

Pro Val Met Asn
            20

<210> 3296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3296
Ala Val Ile Thr Lys Lys Val Ala Asp Leu Val Gly Phe Leu Leu Leu
1   5   10   15

Lys Tyr Arg Ala
            20

<210> 3297

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3297
Leu Gly Ser Val Ile Arg Asn Phe Gln Asp Phe Phe Pro Val Ile Phe
1   5   10   15

Ser Lys Ala Ser
            20

<210> 3298
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3298
Gly Ile Glu Val Val Glu Val Val Pro Ile Ser His Leu Tyr Ile Leu
1   5   10   15

Val Thr Cys Leu
            20

<210> 3299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3299
Ala Ser Asn Thr Tyr Thr Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1   5   10   15

Gly Leu Leu Gly
            20

<210> 3300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3300
Ala Gly Ser Pro Gly Pro Leu Lys Ser Pro Gln Gly Ala Ser Ala Ile
1   5   10   15

Pro Thr Ala Ile
            20

<210> 3301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3301
Asp Pro Ile Gly His Val Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser
1   5   10   15

Tyr Asp Gly Leu
            20

<210> 3302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3302
Lys Val Ile Asn Tyr Leu Val Met Leu Asn Ala Arg Glu Pro Ile Cys
1   5   10   15

Tyr Pro Ser Leu
            20

<210> 3303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3303
Pro Gln Arg Ala Pro Thr Thr Ala Ala Ala Ala Ala Ala Gly Val Ser
1   5   10   15

Ser Thr Lys Ser
            20

<210> 3304
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3304
Phe Leu Gly Leu Leu Gly Ile Tyr Asp Gly Ile Leu His Ser Ile Tyr
1   5   10   15

Gly Asp Ala Arg
            20

<210> 3305
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3305
Leu Lys Arg Ala Arg Glu Phe Met Glu Leu Leu Phe Gly Leu Ala Leu
1   5   10   15

Ile Glu Val Gly
            20

<210> 3306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3306
Thr Thr Ala Glu Glu Ala Ala Gly Ile Gly Ile Leu Thr Val Ile Leu
1   5   10   15

Gly Val Leu Leu
            20

<210> 3307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3307
Leu Arg Leu Asp Phe Ile His Ala Asn Ser Thr Thr His Ser Phe Leu
1   5   10   15

Phe Gly Ala Leu
            20

<210> 3308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3308

Ser Glu Gly Cys Val His Ile Leu Asp Ser Gln Thr Val Val Leu Lys
1   5   10   15

Glu Pro Gln Cys
            20

<210> 3309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3309
Glu Leu Leu Phe Arg Gln Ile Ala Trp Ile Lys Lys Leu Pro Phe Phe
1   5   10   15

Cys Glu Leu Ser
            20

<210> 3310
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3310
Lys His Leu Lys His Met Arg Arg Met Tyr Gly Thr Ser Leu Tyr Gln
1   5   10   15

Phe Ile Pro Leu
            20

<210> 3311
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3311
Leu Ser Ile Ser Ser Cys Leu Gln Gln Leu Ser Leu Leu Met Trp Ile
1   5   10   15

Thr Gln Cys Phe
            20

<210> 3312
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3312
Glu Arg Glu Asn Arg Tyr Asp Cys Leu Gly Ser Lys Lys Tyr Ser Tyr
1   5   10   15

Met Asn Ile Cys
            20

<210> 3313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3313
Lys His Thr Pro Thr Lys Leu Arg Ala Pro Ala Tyr Ser Phe Arg Gly
1   5   10   15

Ala Pro Met Leu
            20

<210> 3314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3314
Thr Asp Gly Val Ile Ile Cys Val Ala Glu Asn Ile Ser Ser Leu Leu
1   5   10   15

Gly His Leu Pro
            20

<210> 3315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3315
Ser Glu Lys Lys Lys Ser Val Leu Cys Ser Thr Pro Thr Ile Asn Ile
1   5   10   15

Pro Ala Ser Pro
            20

<210> 3316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3316
Tyr Ala Ala Ser Ile Arg Arg Thr Asp Gly Gly Leu Phe Leu Leu Ala
1   5   10   15

Asp Val Ser His
            20

<210> 3317
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3317
Met Lys Val Phe Lys Phe Ile Gly Leu Met Ile Leu Leu Thr Ser Ala
1   5   10   15

Phe Ser Ala Gly
            20

<210> 3318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3318
Leu Ser Leu Gln Cys Leu Gln Ala Leu Tyr Val Asp Ser Leu Phe Phe
1   5   10   15

Leu Arg Gly Arg
            20

<210> 3319
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3319
Pro Arg Ser Trp Leu Leu Leu Cys Pro Leu Ser His Val Leu Phe Arg
1   5   10   15

Ala Ile Leu Tyr

20

<210> 3320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3320
Asn Ile Thr Cys Cys Asp Thr Asp Leu Cys Asn Ala Ser Gly Ala His
1 5 10 15

Ala Leu Gln Pro
20

<210> 3321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3321
Leu Ser Pro Gln Cys Leu Ser Leu Leu His Ala Met Val Ala Tyr Asp
1 5 10 15

Pro Asp Glu Arg
20

<210> 3322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3322
Ala Ala Gly Ile Ser Ser Thr Ile Thr Arg Asp Leu Tyr Val Thr Ala
1 5 10 15

Thr His Ser Val
20

<210> 3323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3323
Thr Arg Glu Pro Ala Ala Glu Ile Glu Ala Leu Leu Gly Met Asp Leu
1 5 10 15

Val Arg Leu Gly
            20

<210> 3324
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3324
Ile Ala Glu Cys Thr Ser Met Ile Gly Tyr Ala Leu Gly Tyr Val Leu
1   5   10   15

Gly Ala Pro Leu
            20

<210> 3325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3325
Glu Ile Ala Asp Asp Leu Ser Ile Leu Tyr Ser Asn Arg Ala Ala Cys
1   5   10   15

Tyr Leu Lys Glu
            20

<210> 3326
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3326
Gly Val Trp Val Ser Ile Arg Leu Asp Ser Thr Leu Arg Leu Tyr His
1   5   10   15

Ala His Thr Tyr
            20

<210> 3327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3327
Ile Asn Met Ile Ser Gly Val Leu Gln Arg Tyr Cys Arg Phe Gly Ser
1   5   10   15

Arg Pro Leu Gln
            20

<210> 3328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3328
Lys Leu Asn Tyr Glu Val Met Thr Lys Leu Gly Phe Lys Val Thr Leu
1   5   10   15

Pro Pro Phe Met
            20

<210> 3329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3329
Phe Leu Glu Gly Cys Ala Cys Thr Pro Glu Arg Met Ala Glu Ala Gly
1   5   10   15

Phe Ile His Cys
            20

<210> 3330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3330
Gln Ser Gly Arg Lys Leu Ala Glu Leu Gln Ala Ser Leu Ser Lys Tyr
1   5   10   15

Cys Asp Gln Leu
            20

<210> 3331
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3331
Ile Leu Leu Val Leu Gly Ala Ser Leu Leu Thr Ser Gly Leu Glu Leu
1   5   10   15

Tyr Cys Gln Lys
            20

<210> 3332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3332
Leu His Phe Gln Gly Phe Ile His Arg Ser Leu Ser Ser Tyr Ala Val
1   5   10   15

His Ile Ile Ser
            20

<210> 3333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3333
Phe Glu Leu Tyr Pro Glu Phe Leu Leu Val Phe Lys Glu Ala Phe His
1   5   10   15

Asp Ile Ser His
            20

<210> 3334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3334
Leu Ala Ile Ala Leu Phe Phe Leu Met Asp Val Leu Leu Arg Val Phe
1   5   10   15

Val Glu Arg Arg
            20

<210> 3335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3335
Leu Leu Lys Glu His Leu Cys Leu Ala Glu Asn Lys Met Ala Ile Gln
1   5   10   15

Ser Arg Asp Val
            20

<210> 3336
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3336
Phe Arg Ser Asn Pro Tyr Phe Gln Asn Lys Val Ile Thr Lys Glu Tyr
1   5   10   15

Leu Val Asn Ile
            20

<210> 3337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3337
Glu Gln Ala Ser Arg Ile Trp Ser Trp Leu Leu Gly Ala Ala Met Val
1   5   10   15

Gly Ala Val Leu
            20

<210> 3338
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3338
Ala Leu Pro Val Ser Gly Ala Ala Gln Trp Ala Pro Val Leu Asp Phe
1   5   10   15

Ala Pro Pro Gly
            20

<210> 3339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3339
Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly Cys
1   5   10   15

Cys Trp Gly Tyr
            20

<210> 3340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3340
Leu Val Pro Asp Gly Ala Val Cys Ser Asn Leu Pro Tyr Ala Ser Trp
1   5   10   15

Phe Glu Ser Phe
            20

<210> 3341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3341
Tyr Ala Gly Gly Val Val Leu His Pro Arg Thr Ile Ser Leu Glu Ser
1   5   10   15

Leu Ala Val Ile
            20

<210> 3342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3342
Met Cys Thr Pro His Arg Ser Cys Ala Ile Val Thr Phe Met Asn Lys

1 5 10 15

Thr Leu Gly Thr
20

<210> 3343
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3343
Asp Lys Leu Val Glu Ser Val Met Lys Leu Cys Leu Ile Met Ala Lys
1 5 10 15

Tyr Ser Asn Asp
20

<210> 3344
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3344
Leu Glu Pro Glu Asp Gly Thr Ala Leu Asp Val His Phe Val Ser Thr
1 5 10 15

Leu Glu Pro Leu
20

<210> 3345
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3345
Phe Ala Ala Asp Val Arg Leu Met Phe Met Asn Cys Tyr Lys Tyr Asn
1 5 10 15

Pro Pro Asp His
20

<210> 3346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3346
Ser Gly Ile Ile Asn Phe Ile His Phe Arg Glu Ala Cys Arg Glu Thr
1   5   10   15

Tyr Met Glu Phe
            20

<210> 3347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3347
Arg Cys Gly Glu Asn Leu Tyr Met Ser Ser Asp Pro Thr Ser Trp Ser
1   5   10   15

Ser Ala Ile Gln
            20

<210> 3348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3348
Asn Glu Ser Ser Met Leu Ser Thr Asp Thr Lys Lys Ala Ser Ile Leu
1   5   10   15

Leu Ile Arg Lys
            20

<210> 3349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3349
Ala Asn Phe Asp Leu Ala Val Val Ala Arg Arg Tyr Pro Ala Ser Gly
1   5   10   15

Ile His Phe Val
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<210> 3350

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3350
Tyr Ile Asp Gln Phe Leu Leu Thr Ser Phe Pro Thr Phe Thr Ser Val
1   5   10   15

Gly Val Leu Ile
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<210> 3351
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3351
Phe Ala Met Arg Asn Val Tyr Leu Pro Arg Gly Phe Leu Pro Tyr Arg
1   5   10   15

Pro Pro Arg Pro
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<210> 3352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3352
Pro Lys Tyr Gln Cys Pro His Cys Ala Thr Ile Ile Ala Arg Lys Ser
1   5   10   15

Asp Leu Arg Val
            20

<210> 3353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3353
Val Val Leu Thr Val Lys Ala Ser Tyr Val Ala Ser Thr Lys Tyr Gln
1   5   10   15

Lys Val Tyr Gly
            20

<210> 3354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3354
Pro Gln Val Asp Asp Ile Val Asn Val Val Met Val Glu Ser Ile Gln
1   5   10   15

Phe Cys Phe Ile
            20

<210> 3355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3355
Leu Gly Thr Val Lys Trp Phe Asn Val Arg Asn Gly Tyr Gly Phe Ile
1   5   10   15

Asn Arg Asn Asp
            20

<210> 3356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3356
Ser Gly Ile Arg Ser Val Ser Phe Tyr Glu His Ile Ile Thr Val Gly
1   5   10   15

Thr Gly Gln Gly
            20

<210> 3357
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3357
Lys Asn Met Glu Asn Arg His Ala Met Ser Ser Gln Tyr Arg Met His
1   5   10   15

Ser Tyr Tyr Pro
            20

<210> 3358
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3358
Thr Lys Gly Trp Val Arg Leu Gln Phe His Ala Gly Gln Ala Trp Val
1   5   10   15

Pro Thr Thr His
            20

<210> 3359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3359
Leu Ala Ala Ala Thr Ala Thr Phe Ala Ala Ala Gln Glu Glu Cys Val
1   5   10   15

Cys Glu Asn Tyr
            20

<210> 3360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3360
Val Ser Gly Leu Val Thr Ser Arg Ser Phe Arg Thr Ala Ser Val Ser
1   5   10   15

Ile Asn Gln Thr
            20

<210> 3361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3361

Glu Pro Pro Pro Val Ser Phe Gln Pro Tyr His Pro Leu His Phe Arg
1   5   10   15

Gly Ser Asn Gly
            20

<210> 3362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3362
Gly Gln Ser Leu Glu Glu Asp Ser Ala Leu Glu Ala Leu Leu Asn Phe
1   5   10   15

Phe Phe Pro Thr
            20

<210> 3363
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3363
Cys Ile Leu Lys Gln Lys Ser Ile Ile Lys Leu Ser Ser Glu Arg Lys
1   5   10   15

Lys Glu Asp Ile
            20

<210> 3364
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3364
Gly Trp Thr Pro Leu Met Tyr Ala Ala Ser Val Ala Asn Ala Glu Leu
1   5   10   15

Val Arg Val Leu
            20

<210> 3365
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3365
Asp Cys Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val Thr Leu Asp Ile
1   5   10   15

Val Gln Gly Ile
            20

<210> 3366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3366
His Glu Glu Leu Pro Leu Cys Phe Ala Leu Lys Ser His Phe Val Gly
1   5   10   15

Ala Val Ile Gly
            20

<210> 3367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3367
Gly Ile Leu Glu Leu Leu Lys Tyr His Pro Arg Val Leu Tyr Ile Asp
1   5   10   15

Ile Asp Ile His
            20

<210> 3368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3368
Val Gly Phe Thr Gly Thr Met Pro Ala Thr Asn Val Ser Ile Phe Ile
1   5   10   15

Asn Asn Thr Gln
            20

<210> 3369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3369
Leu Pro Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile
1   5   10   15

Lys Leu Lys Trp
            20

<210> 3370
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3370
Val Asp Ile Leu Thr Tyr Ile Val Trp Lys Ile Ser Gly Leu Pro Val
1   5   10   15

Thr Arg Val Ile
            20

<210> 3371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3371
Asp His Phe Pro Leu Leu Phe Ser Glu Ala Ser Glu Cys Met Leu Leu
1   5   10   15

Val Phe Gly Ile
            20

<210> 3372
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3372
Glu Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Arg
1   5   10   15

Ile Gly His Leu

20

<210> 3373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3373
Gly Pro Arg Ala Leu Ile Glu Thr Ser Tyr Val Lys Val Leu His His
1 5 10 15

Thr Leu Lys Ile
20

<210> 3374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3374
Ser Ser Ser Ser Pro Leu Val Pro Gly Thr Leu Gly Glu Val Pro Ala
1 5 10 15

Ala Gly Ser Pro
20

<210> 3375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3375
Arg Ala Leu Ile Glu Thr Ser Tyr Val Lys Val Leu His His Met Val
1 5 10 15

Lys Ile Ser Gly
20

<210> 3376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3376
Ala Gly His Ser Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1 5 10 15

Gly Leu Leu Gly
            20

<210> 3377
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3377
Trp Gly Pro Arg Ala Tyr Ala Glu Thr Thr Lys Met Lys Val Leu Glu
1   5   10   15

Phe Leu Ala Lys
            20

<210> 3378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3378
Thr Asp Glu Glu Ser Leu Leu Ser Ser Trp Asp Phe Pro Arg Arg Lys
1   5   10   15

Leu Leu Met Pro
            20

<210> 3379
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3379
Ser Asp Pro Pro Cys Tyr Glu Phe Leu Trp Gly Pro Arg Ala Tyr Ala
1   5   10   15

Glu Thr Thr Lys
            20

<210> 3380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3380
Ile Gly Ile Leu Thr Val Ile Leu Gly Val Leu Leu Leu Ile Gly Cys
1   5   10   15

Trp Tyr Cys Arg
            20

<210> 3381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3381
Glu Glu Ser Leu Ser Glu Val Val Val Pro Met Pro Ser Trp Leu Ile
1   5   10   15

Arg Thr Arg Glu
            20

<210> 3382
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3382
Asn Ile Ser Gln Cys Tyr Leu Ala Tyr Asp Glu Thr Leu Asn Val Leu
1   5   10   15

Lys Phe Ser Ala
            20

<210> 3383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3383
Ser Ser Leu Arg Lys Leu Cys Phe Ser Val Gln Asn Val Phe Lys Lys
1   5   10   15

Glu Asp Glu His
            20

<210> 3384
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3384
Gln Asp Asn Glu Trp Asn Tyr Thr Arg Ala Gly Gln Ala Phe Thr Met
1   5   10   15

Leu Gln Thr Glu
            20

<210> 3385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3385
His Glu Glu Val Val Thr Phe Leu Val Asp Arg Lys Cys Gln Leu Asp
1   5   10   15

Val Leu Asp Gly
            20

<210> 3386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3386
Cys Gly Ala Arg Gly Pro Glu Ser Arg Leu Leu Glu Phe Tyr Leu Ala
1   5   10   15

Met Pro Phe Ala
            20

<210> 3387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3387
Leu Ala Ser Ser Cys Cys Ser Ser Asn Ile Leu Gly Ser Val Asn Val
1   5   10   15

Cys Gly Phe Glu
            20

<210> 3388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3388
Asp Lys Met Val Cys Tyr Leu Leu Lys Thr Lys Ala Ile Val Asn Ala
1   5   10   15

Ser Glu Met Asp
            20

<210> 3389
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3389
Pro Glu Val Asn Pro Leu Tyr Arg Ala Asp Pro Val Asp Leu Glu Phe
1   5   10   15

Ser Val Asp Gln
            20

<210> 3390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3390
Asp Lys Ala Asp Ile Phe Ala Phe Gly Leu Thr Leu Trp Glu Met Met
1   5   10   15

Thr Leu Ser Ile
            20

<210> 3391
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3391
Gly Leu Lys Pro Asp His Met Gln Arg Leu Thr Phe Lys Leu Cys His
1   5   10   15

Leu Tyr Tyr Asn
20

<210> 3392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3392
Val Thr Glu Cys Gly Ile Arg Ala Lys Ala Val Ser Gln Asp Met Val
1 5 10 15

Ile Tyr Ser Thr
20

<210> 3393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3393
Glu Val Gly Glu Phe Pro Trp Gln Val Ser Ile Gln Ala Arg Ser Glu
1 5 10 15

Pro Phe Cys Gly
20

<210> 3394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3394
Leu His Glu Val Val Phe Asp Arg Lys Ser Gly Ser Leu Ala Leu Ile
1 5 10 15

Cys Glu Leu Met
20

<210> 3395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3395
Val Phe Ser Phe Leu Lys Arg Leu Ile Cys Arg Ser Gly Arg Gly Arg

1 5 10 15

Lys Leu Ser Gly
20

<210> 3396
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3396
Ser Leu Glu Lys His Lys Leu Phe Ile Ser Gly Leu Pro Phe Ser Cys
1 5 10 15

Thr Lys Glu Glu
20

<210> 3397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3397
Ala Glu Gly Ser Lys Ala Met Asn Gly Ser Ala Ala Lys Leu Gln Gln
1 5 10 15

Tyr Tyr Cys Trp
20

<210> 3398
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3398
Met Thr Phe Gly Arg Leu His Arg Ile Ile Pro Lys Ile Met Pro Lys
1 5 10 15

Lys Pro Ala Glu
20

<210> 3399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3399
Thr Glu Asn Glu Pro Asp Leu Ala Gln Cys Phe Phe Cys Phe Lys Glu
1   5   10   15

Leu Glu Gly Trp
            20

<210> 3400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3400
Ala Cys Thr Val Arg Asn Leu Ala Arg Ser Gln Ser Val Lys Met Lys
1   5   10   15

Asp Lys Leu Lys
            20

<210> 3401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3401
Ser Ile Lys Ala Arg Phe Pro Ala Glu Thr Tyr Ala Leu Val Gly Gln
1   5   10   15

Gln Val Thr Leu
            20

<210> 3402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3402
Pro Leu Val Ser Arg Asp Pro Pro Ala Ser Ala Ser Leu Phe Gln Asp
1   5   10   15

Thr Cys Ala Gly
            20

<210> 3403

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3403
Ala Val Gly Pro Met Phe Val Arg Glu Ala Cys Pro His Gln Leu Leu
1   5   10   15

Thr Gln Pro Arg
            20

<210> 3404
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3404
Val Gly Pro Pro Ser Leu Asn Tyr Ile Pro Pro Val Leu Gln Leu Ser
1   5   10   15

Gly Gly Gln Lys
            20

<210> 3405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3405
Lys Ala Gln Met Glu Lys Ile Gly Leu Pro Ile Ile Leu His Leu Phe
1   5   10   15

Ala Leu Ser Thr
            20

<210> 3406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3406
Tyr Phe Trp Leu His Thr Ser Phe Ile Glu Asn Asn Arg Leu Tyr Leu
1   5   10   15

Pro Lys Asn Glu
            20

<210> 3407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3407
Glu Ala Pro Pro Ile Tyr Leu Gln Val Ser Ser Tyr Gln His Trp Ile
1   5   10   15

Trp Asp Cys Leu
            20

<210> 3408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3408
Thr Leu Ala Lys His Thr Ile Ser Ser Asp Tyr Val Ile Pro Ile Gly
1   5   10   15

Thr Tyr Gly Gln
            20

<210> 3409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3409
Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr Gly
1   5   10   15

Ser Leu Gly Gly
            20

<210> 3410
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3410
Gly Gly Ala Gln Ala Lys Leu Gly Cys Cys Trp Gly Tyr Pro Ser Pro
1   5   10   15

Arg Ser Thr Trp
            20

<210> 3411
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3411
Leu Lys Gln Glu Leu Cys Arg Gln Leu Phe Arg Gln Phe Cys Tyr Gln
1   5   10   15

Asp Ser Pro Gly
            20

<210> 3412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3412
Pro Ala Gly Ala Phe Ala Arg Arg Pro Pro Leu Ala Glu Leu Ala Ala
1   5   10   15

Leu Asn Leu Ser
            20

<210> 3413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3413
Phe Lys Ser Gln Gln Cys Leu Met Arg Asn Arg Asn Arg Lys Val Ser
1   5   10   15

Arg Met Arg Cys
            20

<210> 3414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3414

Ser Val Glu Ser Cys Glu Ile Ser Leu Arg Pro Leu Leu Val Ser His
1   5   10   15

Val Met Ala Cys
            20

<210> 3415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3415
Glu Glu Leu Gln Lys Tyr Ile Gln Glu Ser Gln Ala Leu Ala Lys Arg
1   5   10   15

Ser Cys Gly Leu
            20

<210> 3416
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3416
Ala Val Ser Pro Glu Phe Ala Tyr Val Pro Ala Asp Pro Ala Gln Leu
1   5   10   15

Ala Ala Gln Met
            20

<210> 3417
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3417
Glu Cys Ala Asp Gln Arg Leu Ala Ile Ser His Ser Gln Ile Ala His
1   5   10   15

Leu Glu Glu Arg
            20

<210> 3418
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3418
Arg Glu Lys Leu Lys Ser Gln Glu Ile Phe Leu Asn Leu Lys Thr Ala
1   5   10   15

Leu Glu Lys Tyr
            20

<210> 3419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3419
Gln Leu Val Trp Tyr Ser Thr Tyr Gln Val Gly Cys Gly Ile Ala Tyr
1   5   10   15

Cys Pro Asn Gln
            20

<210> 3420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3420
Lys Arg Lys Leu Val Lys Glu Leu Arg Cys Val Gly Gln Lys Tyr Glu
1   5   10   15

Lys Ile Phe Glu
            20

<210> 3421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3421
Asn Lys Ile Ser Thr Glu His Gln Ser Leu Val Leu Val Lys Arg Leu
1   5   10   15

Leu Ala Val Ser
            20

<210> 3422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3422
Tyr Leu Pro Arg Gly Phe Leu Pro Tyr Arg Pro Pro Arg Pro Ala Phe
1   5   10   15

Phe Pro Pro Ala
            20

<210> 3423
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3423
Leu Pro Gln Gly Asp Thr Gln Leu Thr Thr Val Gln Gly Val Val Thr
1   5   10   15

Ser Phe Cys Gly
            20

<210> 3424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3424
Pro Pro Ala Arg Ser Gln Ala Asp Lys Pro Val Leu Ala Ile Gln Val
1   5   10   15

Leu Gly Thr Val
            20

<210> 3425
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3425
Ala Glu Asn Thr Leu Ser Lys Leu Leu Ser Thr Lys Leu Pro Tyr Cys
1   5   10   15

Arg Glu Asn Val

20

<210> 3426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3426
Pro Tyr Tyr Asn Asn Leu Tyr Asn Cys Pro Gln Tyr Ser Met Ala Leu
1 5 10 15

Ala Ala Asp Ser
20

<210> 3427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3427
Lys Ala Leu Asn Ser Cys Ser Ile Pro Val Ser Val Glu Ala Phe Leu
1 5 10 15

Met Gln Ala Ser
20

<210> 3428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3428
Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys Cys Pro Glu Leu Leu
1 5 10 15

Gln Gly Leu Ala
20

<210> 3429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3429
Cys Gln Ile Leu Asp Ser Leu Ser Tyr Met Arg Asn Glu Asn Val Ile
1 5 10 15

Ser Glu Leu Asn
            20

<210> 3430
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3430
Cys Tyr Tyr Leu Ser Tyr Tyr Leu Cys Ser Gly Ser Ser Tyr Phe Val
1   5   10   15

Leu Ala Asn Gly
            20

<210> 3431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3431
Lys Tyr Asp Thr Asn Cys Asp Ala Ala Ile Asn Ser His Ile Thr Leu
1   5   10   15

Glu Leu Tyr Thr
            20

<210> 3432
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3432
Asn Gly Tyr Thr Ala Leu Thr Trp Ala Ala Arg Gln Gly His Lys Asn
1   5   10   15

Ile Val Leu Lys
            20

<210> 3433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3433
His Val Pro Pro Tyr Tyr Gly Asn Ser Val Arg Ala Thr Val Gln Arg
1   5   10   15

Tyr Pro Pro Thr
            20

<210> 3434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3434
Arg Cys Leu Leu His Leu Ala Val Ile Gly Ala Leu Leu Ala Val Gly
1   5   10   15

Ala Thr Lys Val
            20

<210> 3435
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3435
Lys Cys Val Glu Val Val Lys Thr Phe Asn Leu Pro Leu Leu Met Leu
1   5   10   15

Gly Gly Gly Gly
            20

<210> 3436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3436
Ile Asn Gln Val Val Asp Phe Tyr Gln Pro Thr Cys Ile Val Leu Gln
1   5   10   15

Cys Gly Ala Asp
            20

<210> 3437
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3437
Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu
1   5   10   15

Ile Leu Val Ile
            20

<210> 3438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3438
Asp Leu Leu His Gln Leu Val Thr Ile Met Asn Pro Asn Thr Leu Met
1   5   10   15

Thr His Glu Val
            20

<210> 3439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3439
Glu Ala His Ile Arg Val Pro Ser Phe Ala Ala Gly Arg Val Ile Gly
1   5   10   15

Lys Gly Gly Lys
            20

<210> 3440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3440
Ile Ile Lys Leu Lys Gly Tyr Thr Ser Trp Ala Ile Gly Leu Ser Val
1   5   10   15

Met Asp Leu Val
            20

<210> 3441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3441
Thr Thr Lys Arg Lys Ala Val Asp Thr Tyr Cys Leu Asp Tyr Lys Pro
1   5   10   15

Ser Lys Gly Arg
            20

<210> 3442
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3442
Phe Ile Lys Cys Asn His Gln Arg Ala Val His Leu Phe Met Ala Ser
1   5   10   15

Leu Glu Thr Asn
            20

<210> 3443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3443
Glu Glu Ala Leu Glu Ala Gln Gln Glu Ala Leu Gly Leu Val Cys Val
1   5   10   15

Gln Ala Ala Thr
            20

<210> 3444
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3444
Gly Pro Ile Thr Gln Ile Phe Pro Thr Val Arg Pro Ala Asp Leu Thr
1   5   10   15

Arg Val Ile Met
            20

<210> 3445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3445
Ala Leu Val Glu Thr Ser Tyr Val Lys Val Leu His His Leu Leu Lys
1   5   10   15

Ile Ser Gly Gly
            20

<210> 3446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3446
Glu Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro
1   5   10   15

Ile Ser His Leu
            20

<210> 3447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3447
Leu Glu Arg Val Ile Lys Asn Tyr Lys Arg Cys Phe Pro Val Ile Phe
1   5   10   15

Gly Lys Ala Ser
            20

<210> 3448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3448
Ala Pro Glu Glu Val Ile Trp Glu Ala Leu Ser Val Met Gly Val Tyr

1 5 10 15

Val Gly Lys Glu
20

<210> 3449
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3449
Pro Ile Thr Lys Ala Glu Met Leu Thr Asn Val Ile Ser Arg Tyr Thr
1 5 10 15

Gly Tyr Phe Pro
20

<210> 3450
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3450
Met Pro Arg Glu Asp Ala His Phe Ile Tyr Gly Tyr Pro Lys Lys Gly
1 5 10 15

His Gly His Ser
20

<210> 3451
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3451
Ile Glu Asp Ser Glu Met Ser Arg Val Ile Arg Val Ser Glu Leu Ser
1 5 10 15

Leu Cys Asp Leu
20

<210> 3452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3452
Cys Phe Pro Lys Leu Leu Arg Leu Asp Gly Arg Glu Leu Ser Ala Pro
1   5   10   15

Val Ile Val Asp
            20

<210> 3453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3453
Ser Glu Ile Val Gly Met Leu Leu Gln Gln Asn Val Asp Val Phe Ala
1   5   10   15

Ala Asp Ile Cys
            20

<210> 3454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3454
Cys Ile Asp Glu Phe Ser Thr Arg Cys Leu Cys Asp Leu Tyr Met His
1   5   10   15

Pro Tyr Cys Cys
            20

<210> 3455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3455
Ile Trp Ile Phe Glu Leu Glu Arg Asn Val Ser Ile Pro Ile Gly Trp
1   5   10   15

Ser Tyr Phe Ile
            20

<210> 3456

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3456
Glu Arg Cys Ala Val Phe Gln Cys Ala Gln Cys His Ala Val Leu Ala
1   5   10   15

Asp Ser Val His
            20

<210> 3457
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3457
Ala Val Tyr Val Glu Pro Ala Ala Ala Ala Ala Ala Ala Ala Ile Ser
1   5   10   15

Asp Asp Gln Ile
            20

<210> 3458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3458
Asp Phe Asp Asp Glu Ala Tyr Tyr Ala Ala Leu Gly Thr Arg Pro Pro
1   5   10   15

Ile Asn Met Glu
            20

<210> 3459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3459
Lys Lys Ala Ile Gln Leu Tyr Arg His Gly Thr Ser Leu Glu Ile Trp
1   5   10   15

Leu Gly Tyr Val
            20

<210> 3460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3460
Thr Arg Asn Glu Trp Tyr Asp Phe Tyr Leu Ile Ser Gln Val Ala Cys
1   5   10   15

Arg Gly Thr Val
            20

<210> 3461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3461
Leu Leu Thr Ser Ala Phe Ser Ala Gly Ser Gly Gln Ser Pro Met Thr
1   5   10   15

Val Leu Cys Ser
            20

<210> 3462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3462
Leu Leu Lys Asp Glu Ala Leu Ala Ile Ala Ala Leu Glu Leu Leu Pro
1   5   10   15

Arg Glu Leu Phe
            20

<210> 3463
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3463
Glu Cys Gly Asp Arg Ser Ile Phe Glu Gly Arg Thr Arg Tyr Ser Arg
1   5   10   15

Ile Thr Gly Gly
            20

<210> 3464
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3464
Tyr Pro Ala Asn Glu Tyr Ala Tyr Arg Arg Gly Ile Ala Glu Ala Val
1   5   10   15

Gly Leu Pro Ser
            20

<210> 3465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3465
Gln Pro Tyr Thr Glu Tyr Ile Ser Thr Arg Trp Tyr Arg Ala Pro Glu
1   5   10   15

Cys Leu Leu Thr
            20

<210> 3466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3466
Pro Pro Gln Leu Val His Met Ala Ala Ala Gly Ile Pro Ser Met Ser
1   5   10   15

Thr Arg Asp Leu
            20

<210> 3467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3467

Arg Arg Lys Val Leu Ser Arg Ala Val Ala Ala Ala Thr Tyr Lys Thr
1   5   10   15

Met Gly Pro Ala
            20

<210> 3468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3468
Ala Ala Pro Pro Ser Tyr Cys Phe Val Ala Phe Pro Pro Arg Ala Lys
1   5   10   15

Asp Gly Leu Val
            20

<210> 3469
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3469
Leu Cys Thr Ile Ile Phe Thr Thr Ile Ala Phe Phe Ile Tyr Lys Arg
1   5   10   15

Arg Leu Asn Glu
            20

<210> 3470
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3470
Tyr Ala Ala Gln Leu Ala Ser Met Gln Val Ser Pro Gly Ala Lys Met
1   5   10   15

Pro Ser Thr Pro
            20

<210> 3471
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3471
Cys Glu Lys His Leu Gln Ala Leu Ala Pro Glu Ser Arg Ala Leu Arg
1   5   10   15

Lys Asp Lys Pro
            20

<210> 3472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3472
Thr Phe Ile Pro Tyr Cys Ser Met Ala His Ala Gln Leu Cys Phe His
1   5   10   15

Gly His Arg Asp
            20

<210> 3473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3473
Pro Pro Gly Lys Pro Thr Thr Ser Glu Lys Ile Asn Met Ile Ser Gly
1   5   10   15

Val Leu Gln Arg
            20

<210> 3474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3474
Phe His Met Pro Glu Arg Leu Ala Lys Glu Ile Cys Ala Leu Asp Ser
1   5   10   15

Ser Lys Glu Gln
            20

<210> 3475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3475
Thr Leu Pro Leu Cys Arg Val Gln Pro Ile Thr Ser Ser His Leu Ala
1   5   10   15

Leu Pro Phe Gln
            20

<210> 3476
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3476
Ser Ser Pro Pro Gly Leu Ile Val Thr Ser Tyr Ser Asn Tyr Cys Glu
1   5   10   15

Asp Ser Phe Cys
            20

<210> 3477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3477
Cys Lys Met Ser Leu His Phe Cys Leu Cys Trp Pro Ser Val Tyr Trp
1   5   10   15

Thr Glu Arg Phe
            20

<210> 3478
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3478
Phe Leu Leu Val Phe Lys Glu Ala Phe His Asp Ile Ser His Cys Leu
1   5   10   15

Lys Ala Gln Met

20

<210> 3479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3479
Asp Arg Thr Gly Thr Met Val Cys Ala Phe Leu Ile Ala Ser Glu Ile
1 5 10 15

Cys Ser Thr Ala
20

<210> 3480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3480
His Cys Leu Ile Trp Arg Asp Val Ile Tyr Ser Val Arg Val Gly Ser
1 5 10 15

Pro Trp Ile Asp
20

<210> 3481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3481
Asp Ser Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser
1 5 10 15

Ser Asp Asn Leu
20

<210> 3482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3482
Leu Ala Ser Asn His Phe Leu Tyr Leu Pro Arg Asp Val Leu Ala Gln
1 5 10 15

Leu Pro Ser Leu
            20

<210> 3483
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3483
Arg Lys Pro Ala Ala Gly Phe Leu Pro Ser Leu Leu Lys Val Leu Leu
1   5   10   15

Leu Pro Leu Ala
            20

<210> 3484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3484
Glu Asn Pro Gly Pro Ser Tyr Ala Arg Arg Arg Val Ser Leu Gly Ile
1   5   10   15

Asp Ile Cys His
            20

<210> 3485
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3485
Leu Thr Asn Ala Ile Phe Val Ser Phe Asn Ile Thr Ile Ile Leu Ser
1   5   10   15

Ser Leu Glu Leu
            20

<210> 3486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3486
Ile Leu Gln Ile Asn Asp Phe Ala Tyr Glu Ile Lys Pro Leu Ala Phe
1   5   10   15

Ser Thr Thr Phe
            20

<210> 3487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3487
Glu Asn Cys Tyr Ser Val Tyr Ala Asp Gln Val Asn Ile Asp Tyr Leu
1   5   10   15

Met Asn Arg Pro
            20

<210> 3488
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3488
Val Ser Asn Leu Ser Gln Gly Val Met Leu Ser His Ser Pro Ile Cys
1   5   10   15

Met Glu Thr Thr
            20

<210> 3489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3489
Ala Ile Gly Leu Glu Leu Trp Gln Val Arg Ser Gly Thr Ile Phe Asp
1   5   10   15

Asn Phe Leu Ile
            20

<210> 3490
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3490
Thr Lys Lys Ala Ser Ile Leu Leu Ile Arg Lys Ile Tyr Ile Leu Met
1   5   10   15

Gln Asn Leu Gly
            20

<210> 3491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3491
Gln Leu Ser Arg Leu Met Val Gly Pro His Ala Ala Ala Arg Asn Leu
1   5   10   15

Trp Gly Asn Leu
            20

<210> 3492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3492
Glu Leu Tyr Gln Glu Asn Glu Met Lys Leu Tyr Arg Lys Leu Ile Val
1   5   10   15

Glu Glu Lys Cys
            20

<210> 3493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3493
Pro Pro Pro Ala Pro Phe Ala Met Arg Asn Val Tyr Pro Pro Arg Gly
1   5   10   15

Phe Pro Pro Tyr
            20

<210> 3494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3494
Ala Cys Lys Gln Asp Leu Leu Ala Tyr Leu Gln Arg Ile Ala Leu Tyr
1   5   10   15

Cys His Gln Leu
            20

<210> 3495
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3495
Gly Pro Ser Asp Ser Gly Thr Arg Val Leu Ile Gly Cys Val Thr Ser
1   5   10   15

Ile Asn Glu Asp
            20

<210> 3496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3496
Ser Gly Gln Arg Pro Arg Arg Trp Cys Pro Pro Pro Phe Phe Tyr Arg
1   5   10   15

Arg Arg Phe Val
            20

<210> 3497
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3497
Asp Ser Ser Gly Thr Lys Leu Phe Val Ala Gly Gly Pro Leu Pro Ser
1   5   10   15

Gly Leu His Gly
20

<210> 3498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3498
Tyr Pro Pro Pro Ser Tyr Leu Gly Gln Ser Val Pro Gln Phe Phe Thr
1 5 10 15

Phe Glu Asp Ala
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<210> 3499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3499
Leu Ala Ser Trp Ala Arg Ile Ala Ala Arg Ala Val Gln Pro Lys Ala
1 5 10 15

Leu Asn Ser Cys
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<210> 3500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3500
Glu Lys Ala Pro Glu Phe Ser Met Gln Gly Leu Lys Ala Gly Val Ile
1 5 10 15

Ala Val Ile Val
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<210> 3501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3501
Ser Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Ala Glu Ser Asp Leu Asp

1 5 10 15

Tyr Gly Thr Asn
20

<210> 3502
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3502
Leu Arg His Lys Cys Cys Phe Ser Ser Ser Gly Thr Thr Ser Phe Lys
1 5 10 15

Cys Phe Ala Pro
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<210> 3503
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3503
Ala Gln Lys Leu Met Arg Leu Gln Asn Leu Arg Gly Gly His Ile Cys
1 5 10 15

Leu His Asp Ile
20

<210> 3504
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3504
Thr Thr Tyr Pro Pro Tyr Val Pro Glu Tyr Ser Ser Gly Leu Phe Pro
1 5 10 15

Pro Ser Ser Leu
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<210> 3505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3505
Asp Asp Met Val Asn Glu Leu Phe Asp Ser Leu Phe Pro Val Ile Tyr
1   5   10   15

Thr Gln Leu Met
            20

<210> 3506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3506
Cys Leu Asn Val Ser Leu Ala Asp Thr Asn Ser Leu Ala Val Val Ser
1   5   10   15

Thr Gln Leu Ile
            20

<210> 3507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3507
Lys Tyr His Ser Asp Asp Tyr Ile Lys Phe Leu Arg Ser Ile Arg Pro
1   5   10   15

Asp Asn Met Ser
            20

<210> 3508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3508
Ser Tyr Lys His Leu Phe Gln Pro Val Ile Asn Gln Val Val Asp Phe
1   5   10   15

Tyr Gln Pro Thr
            20

<210> 3509

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3509
Ile Ser His Ala Thr Leu Glu Arg Ile Gly Ala Val Pro Val Met Val
1   5   10   15

Pro Ala Gln Ser
            20

<210> 3510
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3510
Pro Gln Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr Leu Tyr
1   5   10   15

Leu Gln Trp Gln
            20

<210> 3511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3511
Met Asn Pro Asn Thr Leu Met Thr His Glu Val Pro Val Tyr Arg Thr
1   5   10   15

Asn Gln Cys Ala
            20

<210> 3512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3512
Met Tyr Val Ile Asp Leu Met Phe His Pro Gly Gly Leu Met Lys Leu
1   5   10   15

Arg Ser Arg Glu
            20

<210> 3513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3513
Ile Ser Ser Ile Gly Leu Thr Tyr Phe Gln Ser Ser Asn Leu Gln Cys
1   5   10   15

Ser Thr Cys Thr
            20

<210> 3514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3514
Thr Gly His Ser Tyr Val Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1   5   10   15

Gly Leu Leu Gly
            20

<210> 3515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3515
Ala Gln Asp Arg Ile Ala Thr Thr Asp Asp Thr Thr Ala Met Ala Ser
1   5   10   15

Ala Ser Ser Ser
            20

<210> 3516
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3516
Glu Val Leu Ser Ile Met Gly Val Tyr Ala Gly Arg Glu His Phe Leu
1   5   10   15

Phe Gly Glu Pro
            20

<210> 3517
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3517
Met Ala Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
1   5   10   15

Pro Phe Thr Lys
            20

<210> 3518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3518
Ser Val Leu Arg Asn Cys Gln Asp Phe Phe Pro Val Ile Phe Ser Lys
1   5   10   15

Ala Ser Glu Tyr
            20

<210> 3519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3519
Ala Leu Val Glu Thr Ser Tyr Val Lys Val Leu His His Met Val Lys
1   5   10   15

Ile Ser Gly Gly
            20

<210> 3520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3520

Ser Gly Gly Pro Arg Ile Ser Tyr Pro Leu Leu His Glu Trp Ala Leu
1   5   10   15

Arg Glu Gly Glu
            20

<210> 3521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3521
Met Leu Gly Asp Gly His Ser Met Pro Lys Ala Ala Leu Leu Ile Ile
1   5   10   15

Val Leu Gly Val
            20

<210> 3522
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3522
Arg Asn Gly Leu Leu Met Pro Leu Leu Gly Val Ile Phe Leu Lys Gly
1   5   10   15

Asn Ser Ala Thr
            20

<210> 3523
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3523
Ser Val Thr Lys Gly Glu Met Leu Lys Ile Val Gly Lys Arg Phe Arg
1   5   10   15

Glu His Phe Pro
            20

<210> 3524
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3524
Phe Leu Asn Met Leu Gly Ile Tyr Asp Gly Lys Arg His Leu Ile Phe
1   5   10   15

Gly Glu Pro Arg
            20

<210> 3525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3525
Ile Ile Thr Glu Asp Leu Val Gln Asp Lys Tyr Val Val Tyr Arg Gln
1   5   10   15

Val Cys Asn Ser
            20

<210> 3526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3526
Pro Val Thr Glu Ala Glu Met Leu Met Ile Val Ile Lys Tyr Lys Asp
1   5   10   15

Tyr Phe Pro Val
            20

<210> 3527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3527
Lys Leu Lys Met Cys Phe Asn Gln Ile Gln Asn Thr Tyr Met Val Gln
1   5   10   15

Tyr Glu Lys Lys
            20

<210> 3528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3528
Ser Asp Val Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro
1   5   10   15

Gly Trp Gly Ile
            20

<210> 3529
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3529
Pro Leu Cys Ser Thr Phe Ser Asp Gln Ser Ala Tyr Val Ser Ala Ile
1   5   10   15

Arg Asp Cys Phe
            20

<210> 3530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3530
Val Leu Val Lys Arg Lys Leu Val His Asp Ile Ile Asp Leu Ile Tyr
1   5   10   15

Leu Asn Gly Leu
            20

<210> 3531
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3531
Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu Pro Val Phe Leu Ala
1   5   10   15

Gln Pro Pro Ser

20

<210> 3532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3532
Pro Tyr Pro Tyr Cys Leu Cys Tyr Ser Lys Arg Ser Arg Ser Cys Gly
1 5 10 15

Leu Cys Asp Leu
20

<210> 3533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3533
Val Val Thr Phe Gly Ile Lys His Ser Asp Tyr Met Thr Pro Leu Leu
1 5 10 15

Val Asp Val Glu
20

<210> 3534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3534
Phe Thr Cys Ala Ile Leu Cys Tyr Phe Asn His Lys Ser Phe Trp Ser
1 5 10 15

Leu Ile Leu Ser
20

<210> 3535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3535
Val Val Leu Glu Ala Pro Phe Leu Val Gly Ile Glu Gly Ser Leu Lys
1 5 10 15

Gly Ser Thr Tyr
            20

<210> 3536
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3536
Glu Glu Leu Asp Glu Ser Tyr Gln Lys Val Ile Glu Leu Phe Ser Val
1   5   10   15

Cys Thr Asn Glu
            20

<210> 3537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3537
Thr Asp Gly Gly Leu Phe Leu Leu Ala Asp Val Ser His Lys Val Ile
1   5   10   15

Arg Asn Asp Cys
            20

<210> 3538
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3538
Trp Pro Gly Phe Ala Ile Ser Val Ser Tyr Phe Glu Arg Lys Leu Leu
1   5   10   15

Phe Ser Ala Asp
            20

<210> 3539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3539
Asn Asn Asp Val Cys Val His Phe His Glu Leu His Leu Gly Leu Gly
1   5   10   15

Cys Pro Pro Asn
            20

<210> 3540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3540
Ser Pro Tyr Leu Gly Gln Met Ile Asn Leu Arg Arg Leu Leu Leu Ser
1   5   10   15

His Ile His Ala
            20

<210> 3541
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3541
Gly Glu Val Lys Arg Gln Ile Tyr Val Ala Ala Phe Thr Val Gln Ala
1   5   10   15

Ala Ala Glu Thr
            20

<210> 3542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3542
Asp Met Asn Ile Tyr Glu Leu Ile Arg Gly Arg Arg Tyr Pro Leu Ser
1   5   10   15

Glu Lys Lys Ile
            20

<210> 3543
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3543
Pro Thr Pro Asp Asn Val Leu Ser Ala Val Thr Pro Glu Leu Ile Asn
1   5   10   15

Leu Ala Gly Ala
            20

<210> 3544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3544
Val Glu Cys Thr Tyr Ile Ser Ile Asp Gln Val Pro Arg Thr Tyr Ala
1   5   10   15

Ile Met Ile Ser
            20

<210> 3545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3545
Leu Cys Ala Ala Leu Trp Ile Leu Met Lys Asn Pro Val Leu Ile Cys
1   5   10   15

Leu Ala Leu Ser
            20

<210> 3546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3546
Asp Gln Arg Thr Leu Ala Ala Ala Ala Ala Ala Gln Gln Gly Phe Leu
1   5   10   15

Phe Pro Pro Gly
            20

<210> 3547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3547
Ile Phe Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr Lys Leu
1   5   10   15

Gly Phe Lys Ala
            20

<210> 3548
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3548
Asp Leu Pro Cys Val Ile Glu Ser Leu Arg Thr Leu Asp Lys Lys Thr
1   5   10   15

Phe Tyr Lys Thr
            20

<210> 3549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3549
Val Thr Leu Glu Cys Phe Ala Phe Gly Asn Pro Val Pro Arg Ile Lys
1   5   10   15

Trp Arg Lys Val
            20

<210> 3550
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3550
Leu Val Met Thr Lys Cys Arg Leu Glu His Glu Leu Ala Ile Lys Ala
1   5   10   15

Asn Thr Leu Cys
            20

<210> 3551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3551
Met Gly Thr Pro Arg Ile Gln His Leu Leu Ile Leu Leu Val Leu Gly
1   5   10   15

Ala Ser Leu Leu
            20

<210> 3552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3552
Pro Lys Pro His Val Ser Asp His Asn Arg Leu Leu His Leu Ala Arg
1   5   10   15

Pro Lys Ala Gln
            20

<210> 3553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3553
Val Phe Lys Glu Ala Phe His Asp Ile Ser His Cys Leu Lys Ala Gln
1   5   10   15

Met Glu Lys Ile
            20

<210> 3554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3554
Gln Tyr Phe Ser Asp Leu Phe Asn Ile Leu Asp Thr Ala Ile Ile Val

1 5 10 15

Ile Leu Leu Leu
20

<210> 3555
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3555
His Arg Glu Lys Phe Cys Tyr Glu Leu Thr Gly Glu Pro Leu Val Cys
1 5 10 15

Ser Met Glu Gly
20

<210> 3556
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3556
Pro Glu Lys Asp Lys Phe Phe Ala Tyr Leu Thr Leu Ala Lys His Thr
1 5 10 15

Ile Ser Ser Asp
20

<210> 3557
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3557
Pro Tyr Ser Ser Asp Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys
1 5 10 15

Met Thr Trp Asn
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<210> 3558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3558
Glu Ile His Thr Lys Glu Gln Ile Leu Glu Leu Leu Val Leu Glu Gln
1   5   10   15

Phe Leu Thr Ile
            20

<210> 3559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3559
Val Leu Cys Ser Gln Pro Val Ser Ile Leu Ser Pro Asn Thr Leu Lys
1   5   10   15

Glu Ile Glu Ala
            20

<210> 3560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3560
Gly Ser Asn Arg Asn Phe Ser Val Trp Leu Gly Ala Ser Val Val Ala
1   5   10   15

His Leu Ser Thr
            20

<210> 3561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3561
His His Cys His Cys Asn Tyr Leu Trp Asp Pro Pro Asn Cys Leu Ile
1   5   10   15

Lys Gly Tyr Gly
            20

<210> 3562

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3562
Asp Glu Lys Gln Trp His Asp Val Ser Val Tyr Leu Gly Leu Thr Asn
1   5   10   15

Cys Pro Ser Ser
            20

<210> 3563
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3563
Ser Ala Asp Lys Met Gln Gln Leu Asn Ala Ala His Gln Glu Ala Leu
1   5   10   15

Met Lys Leu Glu
            20

<210> 3564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3564
Ala Arg Cys Met Arg Arg Asp Phe Val Lys His Leu Lys Lys Lys Leu
1   5   10   15

Lys Arg Met Ile
            20

<210> 3565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3565
Cys Ala Tyr Gly Thr Arg Tyr Leu Asp Asp Leu Cys Val Lys Ile Leu
1   5   10   15

Arg Glu Asp Lys
            20

<210> 3566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3566
Gly Ala Gly Ala Ala Ala Arg Ala Gly Glu Gly Leu Gly Leu Ile Gln
1   5   10   15

Glu Ala Ala Ser
            20

<210> 3567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3567
Cys Glu Lys Leu Asn Arg Phe Asn Ser Glu Leu Val His Glu Ile Leu
1   5   10   15

Cys Leu Glu Lys
            20

<210> 3568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3568
Leu Glu Glu Arg Leu Glu Ser Ile Ile Ser Gly Ala Ala Leu Met Ala
1   5   10   15

Asp Ser Ser Cys
            20

<210> 3569
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3569
Glu Ser Ile Gln Phe Cys Phe Ile Trp Arg Ala Ile Ser Ile Thr Pro
1   5   10   15

Val His Lys Ser
            20

<210> 3570
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3570
Arg Pro Pro Ser Val Ala Pro Pro Pro Met Val Ala Glu Ile Pro Ser
1   5   10   15

Ala Gly Thr Gly
            20

<210> 3571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3571
Lys Ala Thr Asp Ser Phe His Thr Glu Leu His Pro Arg Val Ala Phe
1   5   10   15

Trp Ile Ile Lys
            20

<210> 3572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3572
Ser Ser Phe Tyr Gln Pro Ser Leu Phe Pro Tyr Tyr Asn Asn Leu Tyr
1   5   10   15

Asn Cys Pro Gln
            20

<210> 3573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3573

Gln Lys Ala Arg Cys Lys Ile Pro Ala Leu Pro Leu Pro Thr Ile Leu
1   5   10   15

Pro Pro Ile Asn
            20

<210> 3574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3574
Ile Val Val Val Val Ile Ala Val Val Ala Gly Ile Val Val Leu Val
1   5   10   15

Ile Ser Arg Lys
            20

<210> 3575
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3575
Gln Asp Ile Gly Ala Cys Val Ala Leu Leu Ser Val Arg Val Tyr Tyr
1   5   10   15

Lys Lys Cys Pro
            20

<210> 3576
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3576
Ser Tyr Glu Arg Arg Gln Ile Leu His Leu Ile Thr Met Met Ala Leu
1   5   10   15

Lys Val Leu Gly
            20

<210> 3577
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3577
Val Ser Lys Pro Phe Gly Met Leu Met Leu Ser Ile Trp Ile Leu Leu
1   5   10   15

Phe Val Cys Tyr
            20

<210> 3578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3578
Gln Val Lys Thr Ile Lys Glu Leu Gly Gly Tyr Val Ser Asn Leu Arg
1   5   10   15

Lys Ile Cys Ser
            20

<210> 3579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3579
Cys Gly His Leu Ile Thr Ala Val Gln Asn Val Ile Thr Glu Leu Pro
1   5   10   15

Val Asn Ser Gln
            20

<210> 3580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3580
Gln Asp Glu Lys Glu Cys Leu Lys Tyr Gln Val Pro Leu Pro Asp Ser
1   5   10   15

Met Lys Leu Glu
            20

<210> 3581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3581
Gly Ser Leu Gly Pro Leu Leu Asp Gly Thr Ala Thr Leu Arg Leu Val
1   5   10   15

Lys Arg Gln Val
            20

<210> 3582
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3582
Gly Asp Val Gly Asn Tyr Tyr Tyr Gly Gln Gly His Pro Met Lys Pro
1   5   10   15

His Arg Ile Arg
            20

<210> 3583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3583
Gly Asp Ile Gly Asn Tyr Tyr Tyr Gly Gln Gly His Pro Met Lys Pro
1   5   10   15

His Arg Ile Arg
            20

<210> 3584
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3584
Pro Asp Val Gly Asn Phe His Tyr Gly Ala Gly His Pro Met Lys Pro
1   5   10   15

His Arg Leu Ala

20

<210> 3585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3585
Met Thr Ser Gln Arg Ser Pro Leu Ala Pro Leu Leu Leu Leu Ser Leu
1 5 10 15

His Gly Val Ala
20

<210> 3586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3586
Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu Gly Leu Asp His Ala Leu
1 5 10 15

Gln Cys Val Asp
20

<210> 3587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3587
Asp Ala Phe Lys Ser Asp Tyr Phe Asn Met Pro Val His Met Val Pro
1 5 10 15

Thr Glu Leu Val
20

<210> 3588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3588
Ser Val Pro Leu Trp Ser Gly Val Asn Val Ala Gly Val Ala Leu Lys
1 5 10 15

Thr Leu Asp Pro
            20

<210> 3589
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3589
Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Thr Gly Phe Leu Ile Ile
1   5   10   15

Val Leu Val Met
            20

<210> 3590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3590
Gly Ile Leu Ile Leu Ile Leu Ser Ile Ile Phe Ile Glu Gly Tyr Cys
1   5   10   15

Thr Pro Glu Glu
            20

<210> 3591
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3591
His Pro Arg Lys Leu Leu Met Gln Asp Leu Val Gln Glu Asn Tyr Leu
1   5   10   15

Glu Tyr Arg Gln
            20

<210> 3592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3592
Val Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Leu Tyr
1   5   10   15

Ile Phe Ala Thr
            20

<210> 3593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3593
Leu Leu Gly Asn Asn Gln Ile Phe Pro Lys Thr Gly Leu Leu Ile Ile
1   5   10   15

Val Leu Gly Thr
            20

<210> 3594
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3594
Phe Gly Ile Glu Leu Met Glu Val Asp Pro Ile Gly His Val Tyr Ile
1   5   10   15

Phe Ala Thr Cys
            20

<210> 3595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3595
Arg Tyr Phe Pro Val Ile Phe Gly Lys Ala Ser Glu Phe Met Gln Val
1   5   10   15

Ile Phe Gly Thr
            20

<210> 3596
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3596
Lys Ser Gly Leu Leu Met Ser Leu Leu Val Val Ile Phe Met Asn Gly
1   5   10   15

Asn Cys Ala Thr
            20

<210> 3597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3597
Leu Gln Gly Glu Glu Phe Gln Ser Ser Leu Gln Ser Pro Val Ser Ile
1   5   10   15

Cys Ser Ser Ser
            20

<210> 3598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3598
Lys His Leu Cys Tyr Cys Leu Tyr Arg Pro Arg Lys Tyr Leu Tyr Val
1   5   10   15

Thr Ser Ser Phe
            20

<210> 3599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3599
Leu Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val Tyr Leu Ile
1   5   10   15

Ala Leu Ala Val
            20

<210> 3600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3600
Glu Val Leu Ala Gly Leu Leu Thr Asn Asn Lys Lys Leu Thr Tyr Leu
1   5   10   15

Asn Val Ser Cys
            20

<210> 3601
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3601
Asp Met Tyr Ile Val Gln Lys Tyr Ile Ser Asn Pro Leu Leu Ile Gly
1   5   10   15

Arg Tyr Lys Cys
            20

<210> 3602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3602
Asp His Arg Gln Leu Gln Leu Ser Ile Ser Ser Cys Leu Gln Gln Leu
1   5   10   15

Ser Leu Leu Met
            20

<210> 3603
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3603
Asp Pro Cys Asn Pro Cys Tyr Pro Cys Gly Ser Arg Phe Ser Cys Arg
1   5   10   15

Lys Met Ile Leu
            20

<210> 3604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3604
Val Met Lys Thr Arg Leu Glu Ala Asp Glu Val Ala Ala Gln Leu Glu
1   5   10   15

Arg Cys Asp Lys
            20

<210> 3605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3605
Cys Ser Pro Gly Pro Arg Tyr Asn Val Asn Pro Lys Ile Leu Arg Thr
1   5   10   15

Gly Lys Asp Leu
            20

<210> 3606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3606
Thr Ser Ala His Val Met Ser Met Gly Leu Leu His Phe Tyr Lys Ser
1   5   10   15

Arg Ser Cys Ser
            20

<210> 3607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3607
Gln Gly Gln Arg Gly His Thr Ser Met Lys Ala Val Tyr Val Glu Pro

1 5 10 15

Ala Ala Ala Ala
20

<210> 3608
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3608
Val Ser His Lys Val Ile Arg Asn Asp Cys Val Leu Asp Val Met His
1 5 10 15

Ala Ile Tyr Gln
20

<210> 3609
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3609
Asp Thr Val Gln Arg Leu Thr Tyr Cys Leu Cys His Met Tyr Tyr Asn
1 5 10 15

Leu Pro Gly Ile
20

<210> 3610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3610
Ser Ala Gly Ser Gly Gln Ser Pro Met Thr Val Leu Cys Ser Ile Asp
1 5 10 15

Trp Phe Met Val
20

<210> 3611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3611
Leu Leu Phe Ser Val Leu Leu Leu Leu Ser Leu Val Thr Gly Thr Gln
1   5   10   15

Leu Gly Pro Arg
            20

<210> 3612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3612
Ser Thr Ala Pro Pro Trp Leu Arg His Met Ala Ala Ala Gly Ile Ser
1   5   10   15

Ser Thr Ile Thr
            20

<210> 3613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3613
Pro Ala Glu Val Gly Asp Leu Phe Tyr Asp Cys Val Asp Thr Glu Ile
1   5   10   15

Lys Phe Phe Lys
            20

<210> 3614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3614
Pro Ile Tyr Leu Glu Asn Gln Phe Ile Leu Thr Pro Thr Val Ala Thr
1   5   10   15

Thr Leu Ala Gly
            20

<210> 3615

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3615
Gly Asp Asn Tyr Pro Val Gln Phe Ile Pro Ser Thr Met Ala Ala Ala
1   5   10   15

Ala Ala Ser Gly
            20

<210> 3616
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3616
Ala Gln Asn Gly Cys Leu Tyr Val His Ser Ser Val Ala Gln Trp Arg
1   5   10   15

Lys Cys Leu His
            20

<210> 3617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3617
Asn Asp Ile Ser Cys Met Leu Lys Val Ser Arg Arg Ser Leu His Ile
1   5   10   15

Leu Ser Thr Ser
            20

<210> 3618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3618
Ile Ser Tyr Val Tyr Met Lys Arg Asn Tyr Lys Ala Met Thr Lys Leu
1   5   10   15

Gly Phe Lys Val
            20

<210> 3619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3619
Val Met Thr Lys Leu Gly Phe Lys Val Thr Leu Pro Pro Phe Met Arg
1   5   10   15

Ser Lys Arg Ala
            20

<210> 3620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3620
Ile Ile Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr Lys Leu
1   5   10   15

Gly Phe Lys Ala
            20

<210> 3621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3621
Glu Ile Leu Ser Lys Lys Gln Glu Thr Leu Arg Ile Leu Arg Leu His
1   5   10   15

Cys Gln Glu Lys
            20

<210> 3622
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3622
Ile Ser Asn Pro Gly Leu Phe Thr Ser Leu Gly Pro Pro Leu Arg Ser
1   5   10   15

Thr Thr Cys His
            20

<210> 3623
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3623
Leu Ile Ile Lys Ala Gly Thr Glu Thr Ala Ile Leu Ala Thr Lys Gly
1   5   10   15

Cys Ile Pro Glu
            20

<210> 3624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3624
Ala Thr Ser Arg Glu Phe Thr Asn Ala Tyr Lys Leu Pro Leu Ala Val
1   5   10   15

Gly Pro Pro Ser
            20

<210> 3625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3625
Gln Arg Phe Arg Gly Met Leu Trp Phe Asp Leu Ser Leu Leu Pro Glu
1   5   10   15

Leu Val Gln Cys
            20

<210> 3626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3626

His Leu Phe Ala Leu Ser Thr Leu Tyr Phe Tyr Lys Phe Phe Leu Pro
1   5   10   15

Thr Ile Leu Ser
            20

<210> 3627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3627
Pro Ser Ser Arg Pro Arg Leu Leu Trp Gln Thr Pro Thr Thr Gln Thr
1   5   10   15

Leu Pro Ser Thr
            20

<210> 3628
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3628
Asn Leu Asn Ser His Leu Ile Arg His Gln Arg Ile His Thr Arg Glu
1   5   10   15

Lys Pro Tyr Glu
            20

<210> 3629
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3629
Asn Arg Lys Val Ser Arg Met Arg Cys Leu Gln Asn Glu Thr Tyr Ser
1   5   10   15

Ala Leu Ser Pro
            20

<210> 3630
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3630
Gln Arg Val Ala Pro Glu Met Phe Phe Ser Pro Gln Val Phe Glu Gln
1   5   10   15

Pro Gly Pro Ser
            20

<210> 3631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3631
Tyr Val Gly Lys Phe Leu Leu Gln Ile Pro Arg Ala Thr Ile Ile Tyr
1   5   10   15

Ala Asn Ile Ser
            20

<210> 3632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3632
Leu Leu His Cys Leu Gly Val Phe Leu Ser Cys Ser Gly His Ile Gln
1   5   10   15

Asp Glu His Pro
            20

<210> 3633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3633
Leu Ala Val Ser Val Ile Leu Arg Val Ala Lys Gly Tyr Gln Glu Leu
1   5   10   15

Leu Glu Lys Cys
            20

<210> 3634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3634
Cys Pro Gly Ser Thr Met Gly Tyr Met Ala Gln Ser Thr Gln Tyr Glu
1   5   10   15

Lys Cys Gly Gly
            20

<210> 3635
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3635
Gln Gln Asp Thr Lys Gly Asp Tyr Gln Lys Ala Leu Leu Tyr Leu Cys
1   5   10   15

Gly Gly Asp Asp
            20

<210> 3636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3636
Met Ile Ser Ser Lys Pro Arg Leu Val Val Pro Tyr Gly Leu Lys Thr
1   5   10   15

Leu Leu Glu Gly
            20

<210> 3637
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3637
Leu Ile His Cys Ser Gly Glu Met Leu Lys Phe Thr Glu Lys Ser Leu
1   5   10   15

Ala Lys Ser Ile

20

<210> 3638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3638
Ile Leu His Phe Lys Asn Lys Tyr His Glu Asn Lys Lys Leu Ile Arg
1 5 10 15

Cys Lys Val Asp
20

<210> 3639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3639
Leu Asn Phe Asn Val Glu Asn Ser Gln Glu Leu Ile Gln Met Tyr Asp
1 5 10 15

Ser Lys Met Glu
20

<210> 3640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3640
Gly Asp Cys Glu Gly Val Ile Phe Glu Gly Glu Pro Met Tyr Leu Asn
1 5 10 15

Val Gly Glu Val
20

<210> 3641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3641
Gly Phe Val Pro Pro Pro Leu Ala Pro Ile Arg Gly Leu Leu Phe Pro
1 5 10 15

Val Asp Thr Arg
            20

<210> 3642
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3642
Pro Gly Phe Val Pro Pro Pro Leu Ala Pro Ile Arg Gly Pro Leu Phe
1   5   10   15

Pro Val Asp Ala
            20

<210> 3643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3643
Gly Cys Gly Ile His Ala Ile Glu Leu Asn Pro Ser Arg Thr Leu Leu
1   5   10   15

Ala Thr Gly Gly
            20

<210> 3644
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3644
Leu Gln Phe His Ala Gly Gln Ala Trp Val Pro Thr Thr His Arg Arg
1   5   10   15

Met Ile Ser Leu
            20

<210> 3645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3645
Lys Phe Ile Thr Ser Ile Leu Tyr Glu Asn Asn Val Ile Thr Ile Asp
1   5   10   15

Leu Val Gln Asn
            20

<210> 3646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3646
Thr Trp Asp Gln Val Ile Thr Leu Asp Gln Val Leu Asp Glu Val Ile
1   5   10   15

Pro Ile His Gly
            20

<210> 3647
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3647
Tyr Phe Lys Ile Trp Ala Phe Leu Asp Val Ser Phe Val Glu Arg Ile
1   5   10   15

Leu Lys Ser Gln
            20

<210> 3648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3648
Ile Ser Leu Ile Leu Val Cys Leu Pro Ile Tyr Cys Arg Ser Leu Phe
1   5   10   15

Trp Arg Ser Glu
            20

<210> 3649
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3649
Ser Asn Leu Arg Lys Ile Cys Ser Pro Glu Ala Gly Leu Ala Glu Tyr
1   5   10   15

Leu Phe Asp Lys
            20

<210> 3650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3650
Ala Ala Arg Asp Gly His Thr Gln Val Val Ala Leu Leu Val Ala His
1   5   10   15

Gly Ala Glu Val
            20

<210> 3651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3651
Arg Asp Gly Thr Gly His Tyr Leu Cys Asn Ala Cys Gly Leu Tyr His
1   5   10   15

Lys Met Asn Gly
            20

<210> 3652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3652
Arg Leu Ala Gln Ser Tyr Leu Lys Glu Pro Met Ile Val Tyr Val Gly
1   5   10   15

Thr Leu Asp Leu
            20

<210> 3653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3653
Leu Pro Tyr Ser Glu Tyr Phe Glu Tyr Phe Ala Pro Asp Phe Thr Leu
1   5   10   15

His Pro Asp Val
            20

<210> 3654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3654
Ile Phe Cys Ile Ala Leu Ile Leu Gly Ala Phe Phe Tyr Trp Arg Ser
1   5   10   15

Lys Asn Lys Glu
            20

<210> 3655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3655
Asp Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp
1   5   10   15

Gln Cys Thr Asn
            20

<210> 3656
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3656
Leu Tyr Ala Leu Pro Cys Val Leu Ser Gln Thr Pro Leu Leu Lys Asp
1   5   10   15

Leu Leu Asn Arg
            20

<210> 3657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3657
Pro Cys Asp Leu Pro Leu Arg Leu Leu Val Pro Thr Gln Phe Val Gly
1   5   10   15

Ala Ile Ile Gly
            20

<210> 3658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3658
Trp Leu Ile His Gly Tyr Arg Pro Val Gly Ser Ile Pro Leu Trp Leu
1   5   10   15

Gln Asn Phe Val
            20

<210> 3659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3659
Glu Glu Gly Pro Ser Thr Ser Cys Ile Leu Glu Ser Leu Phe Arg Ala
1   5   10   15

Val Ile Thr Lys
            20

<210> 3660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3660
Pro Gln Ser Ala Gln Ile Ala Cys Ser Ser Pro Ser Val Val Ala Ser

1 5 10 15

Leu Pro Leu Asp
20

<210> 3661
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3661
Cys Ile Pro Glu Glu Val Met Trp Glu Val Leu Ser Ile Met Gly Val
1 5 10 15

Tyr Ala Gly Arg
20

<210> 3662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3662
Met Val Glu Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
1 5 10 15

Pro Val Thr Lys
20

<210> 3663
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3663
Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala Glu Leu Val His Phe
1 5 10 15

Leu Leu Leu Lys
20

<210> 3664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3664
Phe Pro Asp Ile Phe Ser Lys Ala Ser Glu Cys Met Gln Val Ile Phe
1   5   10   15

Gly Ile Asp Val
            20

<210> 3665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3665
Arg Arg Lys Leu Leu Met Pro Leu Leu Gly Val Ile Phe Leu Asn Gly
1   5   10   15

Asn Ser Ala Thr
            20

<210> 3666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3666
Asn Cys Ala Arg Glu Glu Glu Ile Trp Glu Phe Leu Asn Met Leu Gly
1   5   10   15

Ile Tyr Asp Gly
            20

<210> 3667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3667
Ala Tyr Ala Glu Thr Thr Lys Met Arg Val Leu Arg Val Leu Ala Asp
1   5   10   15

Ser Ser Asn Thr
            20

<210> 3668

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3668
Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val Val Gln
1   5   10   15

Leu Thr Leu Ala
            20

<210> 3669
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3669
Asp Arg Phe Leu Tyr Thr Phe Tyr Phe Cys Cys Arg Glu Leu Arg Glu
1   5   10   15

Leu Pro Pro Thr
            20

<210> 3670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3670
Met Ser Val Pro Pro His Tyr Gln Tyr Ile Pro His Leu Phe Ser Tyr
1   5   10   15

Ser Gly His Ser
            20

<210> 3671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3671
Leu Arg His Thr Pro Tyr Ser Ile Arg Cys Glu Arg Arg Met Lys Trp
1   5   10   15

His Ser Glu Asp
            20

<210> 3672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3672
Leu Leu Trp Lys Lys Ile His Arg Met Val Ile Leu Thr Ile Leu Ala
1   5   10   15

Ile Ala Pro Ser
            20

<210> 3673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3673
Arg Arg Asp Ile Lys Lys Val Asp Arg Glu Leu Arg Gln Leu Arg Cys
1   5   10   15

Ile Asp Glu Phe
            20

<210> 3674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3674
Leu Pro Phe Gln Trp Arg Ile Thr His Ser Phe Arg Trp Met Ala Gln
1   5   10   15

Val Leu Ala Ser
            20

<210> 3675
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3675
Leu Gln Glu Pro Cys Val Ala Phe Asn Gln Gln Gln Leu Val Gln Gln
1   5   10   15

Glu Gln His Leu
            20

<210> 3676
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3676
Leu Ser His Ser Pro Trp Ala Val Lys Lys Ile Asn Pro Ile Cys Asn
1   5   10   15

Asp His Tyr Arg
            20

<210> 3677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3677
Thr Tyr Lys Leu Cys His Ile Tyr Tyr Asn Trp Pro Gly Val Ile Arg
1   5   10   15

Val Pro Ala Pro
            20

<210> 3678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3678
Cys Lys Tyr Ala His Lys Leu Ala Phe Leu Ser Gly His Ile Leu His
1   5   10   15

His Glu Pro Ala
            20

<210> 3679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3679

Ser Glu Lys Ile Leu Met Gln Asp His Ile Cys Gln Pro Val Ser Ala
1   5   10   15

Ala Asp Trp Ser
            20

<210> 3680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3680
Cys Lys Lys Leu Lys Ile Phe Ala Met Pro Met Gln Asp Ile Lys Met
1   5   10   15

Ile Leu Lys Met
            20

<210> 3681
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3681
Glu Gly Asn Tyr Thr Leu Arg Val Asp Cys Thr Pro Leu Met Tyr Ser
1   5   10   15

Leu Val His Asn
            20

<210> 3682
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3682
Thr Val Pro Pro Ala Phe Ile Asn Met Ala Ala Thr Gly Val Ser Ser
1   5   10   15

Met Ser Thr Arg
            20

<210> 3683
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3683
Arg Asn Cys Pro Trp Thr Val Ala Leu Trp Ser Arg Tyr Leu Leu Ala
1   5   10   15

Met Glu Arg His
            20

<210> 3684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3684
Gly Val Arg Cys Ile Cys Ser Gln Leu Ser Leu Thr Thr Lys Met Asp
1   5   10   15

Ala Glu His Pro
            20

<210> 3685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3685
Thr Leu Ile Phe Ser Gly Phe Ser Gly Val Pro Ile Val Leu Ala Met
1   5   10   15

Thr Arg Val Val
            20

<210> 3686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3686
Ala Ala Ala Gln Gln Gly Phe Leu Phe Pro Pro Gly Ile Thr Tyr Lys
1   5   10   15

Pro Gly Asp Asn
            20

<210> 3687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3687
Ser Lys Ala Glu Arg Phe Lys Met Met Leu Thr Leu Ile Ser Lys Gly
1   5   10   15

Gln Lys Glu Leu
            20

<210> 3688
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3688
Arg Tyr Asp Glu Glu Val Val Lys Glu Leu Met Pro Leu Val Val Ala
1   5   10   15

Val Leu Glu Asn
            20

<210> 3689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3689
Ser Phe Glu Ala His His Leu Thr Val Pro Ala Ile Arg Trp Leu Gly
1   5   10   15

Leu Leu Pro Ser
            20

<210> 3690
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3690
His Asn Arg Arg Ile Gln Val Glu His Pro Gln Met Thr Phe Gly Arg
1   5   10   15

Leu His Arg Ile

20

<210> 3691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3691
Pro Asn Arg Gly Asn Gln Val Glu His Pro Gln Met Thr Phe Gly Arg
1 5 10 15

Leu Gln Gly Ile
20

<210> 3692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3692
Lys Asp Leu Gly Glu Ala Arg Thr Ile Cys Glu Ala Leu Gln Lys Glu
1 5 10 15

Leu Asp Ser Leu
20

<210> 3693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3693
Thr Pro Trp Met Asp Tyr Glu Phe Arg Val Ile Ala Ser Asn Ile Leu
1 5 10 15

Gly Thr Gly Glu
20

<210> 3694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3694
Leu Arg Leu Arg Glu Thr Gln Asp Thr Leu Gln Leu Leu Val Met Thr
1 5 10 15

Lys Cys Arg Leu
            20

<210> 3695
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3695
Phe Cys Asn Asp Lys Asp Ser Leu Ser Gln Phe Trp Glu Phe Ser Glu
1   5   10   15

Thr Thr Ala Ser
            20

<210> 3696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3696
Glu His Ser Ser Lys Leu Arg His Pro Tyr Leu Leu Gln Leu Met Ala
1   5   10   15

Val Cys Leu Ser
            20

<210> 3697
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3697
Gln Arg Ile Leu Thr Val Asp Ser Phe Ala Ala Ser Ser Thr Val Pro
1   5   10   15

His Cys Glu Gln
            20

<210> 3698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3698
Ile Pro Arg Ser Ser Leu Glu Tyr Arg Ala Ser Ser Arg Leu Lys Glu
1   5   10   15

Leu Ala Ala Pro
            20

<210> 3699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3699
Pro Thr Ile Leu Ser Leu Ser Phe Phe Ile Leu Leu Val Leu Leu Leu
1   5   10   15

Leu Leu Phe Ile
            20

<210> 3700
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3700
Leu Val Asp Val Val Tyr Ile Phe Phe Asp Ile Lys Leu Leu Arg Asn
1   5   10   15

Ile Pro Arg Trp
            20

<210> 3701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3701
Pro Glu Ala Val Ala Arg Arg Trp Pro Trp Met Val Ser Val Arg Ala
1   5   10   15

Asn Gly Thr His
            20

<210> 3702
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3702
Gln Ala Leu Val Cys Ala Ser Ala Lys Glu Gly Thr Ala Phe Arg Met
1   5   10   15

Glu Ala Val Gln
            20

<210> 3703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3703
Glu Ala Pro Ala Phe Leu Pro Trp His Arg Leu Phe Leu Leu Arg Trp
1   5   10   15

Glu Gln Glu Ile
            20

<210> 3704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3704
Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
1   5   10   15

Gly His Thr Pro
            20

<210> 3705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3705
Cys Ser Glu Cys Gly Arg Ala Phe Ser Gln Ser Ser Asn Leu Ser Gln
1   5   10   15

His Gln Arg Ile
            20

<210> 3706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3706
Met Asn Pro Glu Ala Ile His Phe Ser Gly Val Lys Ile Phe Ser Asn
1   5   10   15

Cys Ser Phe Glu
            20

<210> 3707
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3707
Thr Met Arg Ser Gly Phe Met Gln Asn Glu Ile Thr Cys Arg Met Glu
1   5   10   15

Phe Glu Glu Ile
            20

<210> 3708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3708
Ser Ile Leu Asp Ser Tyr Gln Cys Thr Ala Glu Ile Ser Leu Ala Asp
1   5   10   15

Leu Ala Thr Ile
            20

<210> 3709
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3709
Gly Asp Leu Glu Asn Ala Phe Leu Asn Leu Val Gln Cys Ile Gln Asn
1   5   10   15

Lys Pro Leu Tyr
            20

<210> 3710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3710
Leu Gln Cys Ser Asn Leu Tyr Leu Glu Lys Arg Val Lys Glu Leu Gln
1   5   10   15

Met Lys Ile Thr
            20

<210> 3711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3711
Leu Tyr Pro Asn Pro Lys Pro Glu Val Leu His Met Ile Tyr Met Arg
1   5   10   15

Ala Leu Gln Ile
            20

<210> 3712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3712
Cys Gly Ile Ala Tyr Cys Pro Asn Gln Asp Ser Leu Lys Tyr Tyr Tyr
1   5   10   15

Val Cys Gln Tyr
            20

<210> 3713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3713
Val Thr Ser Arg Leu Tyr Val Arg Arg Glu Lys Lys Phe Ala Val Ala

1 5 10 15

Leu Ser Gly Leu
20

<210> 3714
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3714
Cys Phe Arg Gln Lys Gln Leu Leu Asn Ala His Phe Arg Lys Tyr His
1 5 10 15

Asp Ala Asn Phe
20

<210> 3715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3715
Gly Val Lys Leu Val Arg Met Ala Ala Thr Gln Ile Asp Ser Leu Cys
1 5 10 15

Pro Gln Val Ile
20

<210> 3716
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3716
Ser Phe Cys Gly Asp Tyr Gly Met Ile Asp Glu Ser Ile Tyr Phe Ser
1 5 10 15

Ser Asp Val Val
20

<210> 3717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3717
Ala Thr Val Pro Ala Thr Ala Ala Gly Val Val Ala Val Val Val Pro
1   5   10   15

Val Pro Ala Gly
            20

<210> 3718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3718
Val Val His Gly Arg Leu Leu Ser Ala Asp Thr Lys Gly Trp Val Arg
1   5   10   15

Leu Gln Phe His
            20

<210> 3719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3719
Met Ala Pro Pro Gln Val Leu Ala Phe Gly Leu Leu Leu Ala Ala Ala
1   5   10   15

Thr Ala Thr Phe
            20

<210> 3720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3720
Gly Met Thr Lys Tyr Asp Tyr Leu Met Thr Leu His Gly Val Val Asn
1   5   10   15

Glu Ser Thr Val
            20

<210> 3721

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3721
Val Leu Thr Lys Lys Phe Gln Val Thr Met Arg Gly Leu Leu Ser Cys
1   5   10   15

Leu Ser Lys Ser
            20

<210> 3722
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3722
Arg Ala Met Arg Val Ala His Leu Glu Leu Ala Thr Tyr Glu Leu Ala
1   5   10   15

Ala Thr Glu Ser
            20

<210> 3723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3723
Pro Ala Ser Ser Ser Ser Leu Ser Gly Gly His Ala Ser Pro His Leu
1   5   10   15

Phe Thr Phe Pro
            20

<210> 3724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3724
Leu Gln Val Thr Arg Ile Phe Leu Gln Ala Leu Asn Leu Gly Ile Glu
1   5   10   15

Val Ile Asn Thr
            20

<210> 3725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3725
Phe Tyr Thr Thr Asp Arg Val Met Thr Val Ser Phe His Lys Tyr Gly
1   5   10   15

Glu Tyr Phe Pro
            20

<210> 3726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3726
Asn Ala Asn Ile Pro Ser Ile Tyr Ala Asn Gly Thr His Leu Val Pro
1   5   10   15

Gly Gln His Lys
            20

<210> 3727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3727
Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr Tyr Pro
1   5   10   15

Lys Met Ile Pro
            20

<210> 3728
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3728
Glu Asn Asp Gln Val Val Val Lys Ile Thr Gly His Phe Tyr Ala Cys
1   5   10   15

Gln Val Ala Gln
            20

<210> 3729
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3729
Ile Gln Ser Ala Tyr Glu Ile Ile Lys Leu Lys Gly Tyr Thr Ser Trp
1   5   10   15

Ala Ile Gly Leu
            20

<210> 3730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3730
Phe Asn Thr Gln Lys Lys Thr Val Trp Leu Ile His Gly Tyr Arg Pro
1   5   10   15

Val Gly Ser Ile
            20

<210> 3731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3731
Glu Ala Leu Asn Met Met Gly Leu Tyr Asp Gly Met Glu His Leu Ile
1   5   10   15

Tyr Gly Glu Pro
            20

<210> 3732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3732

Lys Val Leu His His Leu Leu Lys Ile Ser Gly Gly Pro His Ile Ser
1   5   10   15

Tyr Pro Pro Leu
            20

<210> 3733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3733
Glu Gln Gln Thr Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr Leu
1   5   10   15

Gly Glu Val Pro
            20

<210> 3734
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3734
Ala Glu Met Leu Gly Ser Val Val Gly Asn Trp Gln Tyr Phe Phe Pro
1   5   10   15

Val Ile Phe Ser
            20

<210> 3735
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3735
Trp Glu Ala Gly Met Leu Met His Phe Ile Leu Arg Lys Tyr Lys Met
1   5   10   15

Arg Glu Pro Ile
            20

<210> 3736
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3736
Val Val Phe Gly Leu Glu Leu Asn Lys Val Asn Pro Asn Gly His Thr
1   5   10   15

Tyr Thr Phe Ile
            20

<210> 3737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3737
Leu Cys Asn Asp Val Leu Ala Met Lys Arg Ser Ser Ser Leu Pro Ser
1   5   10   15

Trp Lys Ser Leu
            20

<210> 3738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3738
Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
1   5   10   15

Val Leu Thr Val
            20

<210> 3739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3739
Ala Glu Leu Phe Ala Leu Leu Cys Arg Leu Ala Asp Glu Leu Leu Phe
1   5   10   15

Arg Gln Ile Ala
            20

<210> 3740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3740
His Glu Asn Glu Asn Tyr Leu Leu His Glu Asn Cys Met Leu Lys Lys
1   5   10   15

Glu Ile Ala Met
            20

<210> 3741
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3741
Ser Gln Ala Leu Gly Ser Leu Arg Thr Thr Thr Pro Ala Phe Thr Leu
1   5   10   15

Asn Ile Pro Ser
            20

<210> 3742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3742
Glu Asn Arg Tyr Asp Cys Leu Gly Ser Lys Lys Tyr Ser Tyr Met Asn
1   5   10   15

Ile Cys Lys Glu
            20

<210> 3743
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3743
Arg Thr Lys Ala Phe Arg Val Asp Ser Thr Pro Gly Pro Ala Ala Tyr
1   5   10   15

Met Leu Pro Met

20

<210> 3744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3744
Lys Val Thr Phe Ile Phe Ser Thr Leu Met Leu Phe Pro Ile Asn Ile
1 5 10 15

Trp Ile Phe Glu
20

<210> 3745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3745
Lys Ser Ser Gln Arg Lys Leu Asn Trp Ile Pro Ser Phe Pro Thr Tyr
1 5 10 15

Asp Tyr Phe Asn
20

<210> 3746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3746
Met Ala Arg Gly Leu Lys Tyr Leu His Gln Glu Lys Lys Leu Leu His
1 5 10 15

Gly Asp Ile Lys
20

<210> 3747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3747
Phe Val Ala Ser Ile Asn Leu Thr Leu Thr Lys Trp Tyr Ser Arg Val
1 5 10 15

Val Phe Gln Met
            20

<210> 3748
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3748
Met Ser Leu Lys Gly His Leu Gln Ser Val Thr Ala Pro Met Gly Ile
1   5   10   15

Thr Met Lys Pro
            20

<210> 3749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3749
Pro Ser Leu Ser His Cys Ser Gln Leu Thr Thr Leu Ser Phe Tyr Gly
1   5   10   15

Asn Ser Ile Ser
            20

<210> 3750
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3750
Val Leu Pro Gly Leu Thr Tyr Leu Thr Val Ala Gly Ile Pro Ala Met
1   5   10   15

Ser Thr Arg Asp
            20

<210> 3751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3751
Phe Ile Asp Glu Asn Val Ala Thr His Ser Ala Gly Ile Tyr Leu Gly
1   5   10   15

Ile Ala Glu Cys
            20

<210> 3752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3752
Cys Trp Pro Thr Gly Gly Ala Thr Val Ala Glu Ala Arg Val Tyr Arg
1   5   10   15

Asp Ala Arg Gly
            20

<210> 3753
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3753
Lys Glu Ala Cys Ala His Leu Leu Ala Ile Thr Ala Pro Lys Asp Leu
1   5   10   15

Pro Met Phe Leu
            20

<210> 3754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3754
Ala Gly Ser Ile Tyr Arg Glu Phe Glu Arg Leu Ile Gly Arg Tyr Asp
1   5   10   15

Glu Glu Val Val
            20

<210> 3755
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3755
Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr Lys Leu Gly Phe
1   5   10   15

Lys Ala Ile Leu
            20

<210> 3756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3756
Ile Lys Ala Thr Lys Pro Leu Leu Met Glu Gln Tyr Cys Ser Ile Lys
1   5   10   15

Ile Val Asp Ile
            20

<210> 3757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3757
Lys Cys Cys Gly Leu Thr Ser Leu Pro Ala Val Gln Ala Pro Val Ile
1   5   10   15

Gln Glu Cys Tyr
            20

<210> 3758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3758
Glu Val Lys Gly Cys Thr Ala Met Ile Gly Cys Arg Leu Met Ser Gly
1   5   10   15

Ile Leu Ala Val
            20

<210> 3759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3759
Ile Leu Lys Lys Gly Ile Tyr Val Asp Ala Val Asn Ser Leu Gly Gln
1   5   10   15

Thr Ala Leu Phe
            20

<210> 3760
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3760
Pro Thr Leu Arg Ser Leu Leu Trp Tyr Asp Glu Thr Leu Tyr Ala Glu
1   5   10   15

Leu Leu Gly Lys
            20

<210> 3761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3761
Lys Arg Tyr Val Ala Tyr Phe Ala Gln Val Lys His Leu Tyr Asn Trp
1   5   10   15

Asn Leu Pro Pro
            20

<210> 3762
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3762
Pro Arg Thr Ser Ala Pro Ser Arg Ala Gly Ala Leu Leu Leu Leu Leu
1   5   10   15

Leu Leu Leu Arg
20

<210> 3763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3763
Tyr Arg Val Pro Glu Arg Leu Arg Gln Gly Phe Cys Gly Val Gly Arg
1 5 10 15

Ala Ala Gln Ala
20

<210> 3764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3764
Leu Ala Val Leu Tyr Cys Leu Leu Trp Ser Phe Gln Thr Ser Ala Gly
1 5 10 15

His Phe Pro Arg
20

<210> 3765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3765
Tyr Ala Ser Trp Phe Glu Ser Phe Cys Gln Phe Thr His Tyr Arg Cys
1 5 10 15

Ser Asn His Val
20

<210> 3766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3766
Met Ala Ala Arg Thr Val Ile Ile Asp His Gly Ser Gly Phe Leu Lys

1 5 10 15

Ala Gly Thr Ala
20

<210> 3767
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3767
Ser Lys Pro Met Arg Trp Pro Phe Phe Leu Phe Ile Pro Phe Phe Ile
1 5 10 15

Ile Phe Cys Val
20

<210> 3768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3768
Asn Ile Val Asp Ser Ile Leu Asp Val Ile Gly Val Lys Val Leu Leu
1 5 10 15

Phe Gly Leu Glu
20

<210> 3769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3769
Leu Thr Ser Ser Glu Leu Met Ala Ile Thr Arg Lys Met Ala Ala Thr
1 5 10 15

Ala Ala Thr Cys
20

<210> 3770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3770
Thr Asn Ser Leu Gln Lys Gln Leu Gln Ala Val Leu Gln Trp Ile Ala
1   5   10   15

Ala Ser Gln Phe
            20

<210> 3771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3771
Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly His Leu Glu Thr Val Ile
1   5   10   15

Leu Gly Leu Leu
            20

<210> 3772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3772
Asn Gly Lys Ser Gln Tyr Tyr Ile Met Phe Gly Pro Asp Ile Cys Gly
1   5   10   15

Phe Asp Ile Lys
            20

<210> 3773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3773
Lys Ala Leu Glu Ser Asn Gln Met Glu Cys Gln Thr Ala Leu Gln Lys
1   5   10   15

Thr Gln Leu Gln
            20

<210> 3774

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3774
Pro Arg Tyr Asn Val Ala Glu Ile Val Ile His Ile Arg Asn Lys Ile
1   5   10   15

Leu Thr Gly Ala
            20

<210> 3775
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3775
Ser Arg Glu Val Thr Thr Asn Ala Gln Arg Trp Ala Asn Lys Cys Thr
1   5   10   15

Leu Gln His Ser
            20

<210> 3776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3776
Glu His Gln Ser Leu Val Leu Val Lys Arg Leu Leu Ala Val Ser Val
1   5   10   15

Ser Cys Ile Thr
            20

<210> 3777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3777
Gly Thr Gly Val Gln Ser Thr Phe Thr Thr Phe Tyr Glu Val Asp Cys
1   5   10   15

Asp Val Ile Asp
            20

<210> 3778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3778
Ile His Thr Glu Glu Val Cys Ile Thr Ser Val His Gly Arg Asn Gly
1   5   10   15

Val Ile Asp Tyr
            20

<210> 3779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3779
Phe Tyr Leu Leu Leu Ala Ser Ser Ile Leu Cys Ala Leu Ile Val Phe
1   5   10   15

Trp Lys Tyr Arg
            20

<210> 3780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3780
Arg Asn Tyr Phe Ser Asp Ile Asp Phe Phe Pro Asn Ala Val Tyr Thr
1   5   10   15

His Cys Tyr Asp
            20

<210> 3781
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3781
Gln Ala Ser Gly Val Arg Trp Cys Val Val His Gly Arg Leu Leu Ser
1   5   10   15

Ala Asp Thr Lys
            20

<210> 3782
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3782
Gly Ile Ala Ala Gly Met Lys Tyr Leu Ala Asn Met Asn Tyr Val His
1   5   10   15

Arg Asp Leu Ala
            20

<210> 3783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3783
Leu His Leu Ile Thr Met Met Ala Leu Lys Val Leu Gly Glu Leu Asn
1   5   10   15

Ile Leu Pro Asn
            20

<210> 3784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3784
Leu Ile Ile Ala Val Leu Val Ser Ala Ser Ile Ala Asn Leu Trp Leu
1   5   10   15

Trp Met Asn Gln
            20

<210> 3785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3785

Leu Pro Ile Tyr Cys Arg Ser Leu Phe Trp Arg Ser Glu Pro Ala Asp
1   5   10   15

Asp Leu Gln Arg
            20

<210> 3786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3786
Tyr Thr Ser Tyr Leu Tyr Leu Ser Met Ala Phe Tyr Phe Asn Arg Asp
1   5   10   15

Asp Val Ala Leu
            20

<210> 3787
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3787
Val Ser Thr Trp Asn Ser Arg Ile Leu Lys Arg Thr Ala Ile Thr Ile
1   5   10   15

Cys Gly Phe Gly
            20

<210> 3788
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3788
Arg Ala Met Leu Gly Thr His Thr Met Glu Val Thr Val Tyr His Arg
1   5   10   15

Arg Gly Ser Arg
            20

<210> 3789
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3789
Lys Ile Lys Asn Ile Gln Ser Thr Thr Asn Thr Thr Ile Gln Ile Ile
1   5   10   15

Gln Glu Gln Pro
            20

<210> 3790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3790
Glu Ala Ile Phe Lys Pro Val Met Ser Lys Val Met Glu Met Phe Gln
1   5   10   15

Pro Ser Ala Val
            20

<210> 3791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3791
Phe Cys Ser Arg Tyr Thr Gly Ala Ser Leu Gln Gly Ala Thr Gln Leu
1   5   10   15

Asn Asn Lys Ile
            20

<210> 3792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3792
Met Pro Ala Thr Asn Val Ser Ile Phe Ile Asn Asn Thr Gln Leu Ser
1   5   10   15

Asp Thr Gly Thr
            20

<210> 3793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3793
Trp Glu Gly Glu Asp Leu Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu
1   5   10   15

Pro Phe Gly Phe
            20

<210> 3794
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3794
Ser Met Asn Leu Gln Ala His Leu Ile Pro Gly Leu Asn Leu Asn Ala
1   5   10   15

Leu Gly Leu Phe
            20

<210> 3795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3795
Val Ile Gly Ser Gly Cys Asn Leu Asp Ser Ala Arg Phe Arg Tyr Leu
1   5   10   15

Ile Gly Glu Lys
            20

<210> 3796
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3796
Leu Glu Thr Asn Cys Asn Phe Ile Ser Phe Pro Cys Arg Ser Tyr Lys
1   5   10   15

Asp Tyr Lys Thr

20

<210> 3797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3797
Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu Ala Glu Thr
1 5 10 15

Ser Tyr Val Lys
20

<210> 3798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3798
Cys Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Ala
1 5 10 15

Ser Asp Gly Arg
20

<210> 3799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3799
Glu Leu Val Thr Lys Ala Glu Met Leu Glu Arg Val Ile Lys Asn Tyr
1 5 10 15

Lys Arg Cys Phe
20

<210> 3800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3800
Val Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
1 5 10 15

Pro Val Thr Lys
            20

<210> 3801
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3801
Ala Gly Ala Arg Pro Arg Val Ala Ala Arg Arg Gly Thr Thr Ala Met
1   5   10   15

Thr Ser Ala Tyr
            20

<210> 3802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3802
Glu Glu Val Ile Trp Glu Val Leu Asn Ala Val Gly Val Tyr Ala Gly
1   5   10   15

Arg Glu His Phe
            20

<210> 3803
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3803
Lys Cys Gly Thr Leu Leu Val Ile Tyr Asn Leu Lys Leu Leu Leu Asn
1   5   10   15

Gly Glu Pro Glu
            20

<210> 3804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3804
Thr Thr Gln Lys Glu Phe Phe Gln Gly Cys Ile Met Gln Pro Val Lys
1   5   10   15

Asp Leu Leu Lys
            20

<210> 3805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3805
Asn Arg Phe Pro Asp Leu Met Met Cys Leu Pro Glu Ile Arg Tyr Ile
1   5   10   15

Ala Gly Lys Met
            20

<210> 3806
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3806
Gln Thr Glu Arg Met Leu Cys Phe Ser Val Asn Gly Val Phe Lys Glu
1   5   10   15

Val Glu Gly Gln
            20

<210> 3807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3807
Ile Asn Leu Val Asp Val Tyr Gly Asn Thr Ala Leu His Tyr Ala Val
1   5   10   15

Tyr Ser Glu Ile
            20

<210> 3808
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3808
Phe Ser Asp Phe Lys Asp Phe Ile Phe Asp Asp Met Tyr Ile Val Gln
1   5   10   15

Lys Tyr Ile Ser
            20

<210> 3809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3809
Ile Glu Ala Ala Arg Arg Gln Phe Gln Ser Gln Leu Ala Asp Leu Gln
1   5   10   15

Gln Leu Pro Asp
            20

<210> 3810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3810
Thr Lys Pro Cys Ala Pro Val Val Thr Phe Gly Ile Lys His Ser Asp
1   5   10   15

Tyr Met Thr Pro
            20

<210> 3811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3811
Lys Ser Phe Trp Ser Leu Ile Leu Ser His Pro Ser Gly Ala Val Ser
1   5   10   15

Cys Ser Ser Ser
            20

<210> 3812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3812
Pro Leu Gly Pro Ala Gly Leu Gly Ala Glu Glu Pro Ala Ala Gly Pro
1   5   10   15

Gln Leu Pro Ser
            20

<210> 3813
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3813
Gly Tyr Arg Ala Phe Thr Glu Ala Asn Asp Gly Ser Leu Cys Leu Ala
1   5   10   15

Met Glu Tyr Gly
            20

<210> 3814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3814
Gly Ile Leu Gly Ser Ile Leu Leu Pro Ser Phe Gln Ile Ala Leu Leu
1   5   10   15

Thr Ser Glu Asp
            20

<210> 3815
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3815
Leu Arg Asp Trp Gly Leu Ser Phe Asp Ser Asn Leu Leu Ser Phe Ser
1   5   10   15

Gly Arg Ile Leu
            20

<210> 3816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3816
Thr Ile Thr Ser Cys Glu Trp Val Asp Phe Tyr Leu Leu Ala His His
1   5   10   15

Val Arg Gln Gly
            20

<210> 3817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3817
Thr Tyr Cys Leu Cys His Met Tyr Tyr Asn Leu Pro Gly Ile Ile Arg
1   5   10   15

Val Pro Ala Pro
            20

<210> 3818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3818
Thr Trp Lys Leu Pro Thr Leu Ala Lys Phe Ser Pro Tyr Leu Gly Gln
1   5   10   15

Met Ile Asn Leu
            20

<210> 3819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3819
Ser Val Leu Leu Leu Leu Ser Leu Val Thr Gly Thr Gln Leu Gly Pro

1 5 10 15

Arg Thr Pro Leu
20

<210> 3820
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3820
Pro Leu Leu Thr Thr Asn Leu Ser Pro Gln Cys Leu Ser Leu Leu His
1 5 10 15

Ala Met Val Ala
20

<210> 3821
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3821
Arg Arg Phe Gly Gln Asn Tyr Glu Arg Ile Phe Ile Leu Leu Glu Glu
1 5 10 15

Val Gln Gly Ser
20

<210> 3822
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3822
Ile His Tyr Phe Thr Gly Thr Pro Asp Pro Ser Arg Ser Ile Phe Lys
1 5 10 15

Pro Phe Ile Phe
20

<210> 3823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3823
Val Ile Val Ser Thr Leu Glu Met Ser Cys Lys Ala Leu Met Arg Phe
1   5   10   15

Ile Met Val Thr
            20

<210> 3824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3824
Gln Ile Gln Val Gln Gly His Met Pro Pro Leu Met Ile Pro Ile Phe
1   5   10   15

Pro His Asp Gln
            20

<210> 3825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3825
Asn Cys Thr Cys Gly Ala Thr Ala Val Ala Val Pro Ser Asn Ile Gln
1   5   10   15

Gly Ile Arg Asn
            20

<210> 3826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3826
Ala His Arg Lys His Thr Met Leu Gln Glu Cys Lys Glu Arg Ile Ser
1   5   10   15

Ala Leu Asn Leu
            20

<210> 3827

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3827
Arg Asn Gly Gly Thr Ser Met Met Val Glu Asn Met Ala Val Arg Pro
1   5   10   15

Ala Pro His Pro
            20

<210> 3828
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3828
Val Ile Tyr Ser Pro Gly Glu Phe Tyr Cys His Val Leu Lys Glu Asp
1   5   10   15

Ala Leu Lys Lys
            20

<210> 3829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3829
Gln Ala Pro Val Ile Gln Glu Cys Tyr Gln Pro Tyr Tyr Leu Pro Gly
1   5   10   15

Tyr Arg Tyr Leu
            20

<210> 3830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3830
Ala Asp Pro Ala Asn Met Phe Asn Trp Thr Thr Glu Glu Val Glu Thr
1   5   10   15

Cys Asp Lys Gly
            20

<210> 3831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3831
Leu Ile Cys Arg Glu Asp Asn Ala Val Ser Ala Ala Thr Ala Leu Leu
1   5   10   15

Glu Ser Glu Glu
            20

<210> 3832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3832
Glu Gln Ala Gln Glu Glu Ile Thr Arg Leu Arg Arg Glu Met Met Lys
1   5   10   15

Ser Cys Lys Ser
            20

<210> 3833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3833
Lys Leu Lys Gln Glu Leu Lys Tyr Ser Asn Tyr Val Arg Pro Ile Cys
1   5   10   15

Leu Pro Gly Thr
            20

<210> 3834
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3834
Leu Tyr Arg Asn Gly Asp Phe Phe Ile Ser Ser Lys Asp Leu Gly Tyr
1   5   10   15

Asp Tyr Ser Tyr
            20

<210> 3835
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3835
Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
1   5   10   15

His Thr His Gly
            20

<210> 3836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3836
Gly Leu Pro His Ile Arg Val Phe Leu Asp Asn Asn Pro Trp Val Cys
1   5   10   15

Asp Cys His Met
            20

<210> 3837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3837
Thr Leu Tyr Pro Gly Phe Thr Lys Arg Leu Phe Arg Glu Leu Met Gly
1   5   10   15

Asp His Val Ser
            20

<210> 3838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3838

Pro Arg Thr Ile Ser Leu Glu Ser Leu Ala Val Ile Leu Ala Gln Leu
1   5   10   15

Leu Ser Leu Ser
            20

<210> 3839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3839
Thr Ser Ser Tyr Ala Asn Arg Arg Pro Cys Phe Ser Ser Leu Val Val
1   5   10   15

Asp Glu Thr Tyr
            20

<210> 3840
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3840
Pro Asp Gly Glu Cys Ser Ile Asp Asp Leu Ser Phe Tyr Val Asn Arg
1   5   10   15

Leu Ser Ser Leu
            20

<210> 3841
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3841
Pro Ser Ser Glu Ala Ala Glu Asp Val Met Val Ala Ala Pro Leu Val
1   5   10   15

Cys Ser Gly Lys
            20

<210> 3842
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3842
Phe Lys Lys Ile Lys Ala Asn Tyr Val Cys Leu Gln Glu Arg Tyr Met
1   5   10   15

Thr Glu Met Gln
            20

<210> 3843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3843
Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asp Asp Glu Glu Tyr
1   5   10   15

Ala Asp Asn Phe
            20

<210> 3844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3844
Phe Leu Trp Gln Tyr Lys Ser Ser Ala Asp Lys Met Gln Gln Leu Asn
1   5   10   15

Ala Ala His Gln
            20

<210> 3845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3845
Lys Gly Leu Cys Thr Asn Ser Cys Gln Tyr Gln Asp Leu Leu Ser Asn
1   5   10   15

Cys Asp Ser Leu
            20

<210> 3846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3846
Lys Trp Met Leu Gly Cys Tyr Asp Ala Leu Gln Lys Lys Tyr Leu Arg
1   5   10   15

Met Val Val Leu
            20

<210> 3847
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3847
Ala Phe Leu Ser Pro Pro Thr Leu Leu Glu Gly Pro Leu Arg Leu Ser
1   5   10   15

Pro Leu Leu Pro
            20

<210> 3848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3848
Arg Gln Ser Leu Gln Gln Cys Val Ala Ile Ser Ile Gln Gln Glu Leu
1   5   10   15

Tyr Ser Pro Gln
            20

<210> 3849
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3849
Arg Ala Ala Arg Ala Leu Leu Ser Ala Val Thr Arg Leu Leu Ile Leu
1   5   10   15

Ala Asp Met Ala

20

<210> 3850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3850
Ile Leu Cys Ala Leu Ile Val Phe Trp Lys Tyr Arg Arg Phe Gln Arg
1 5 10 15

Asn Thr Gly Glu
20

<210> 3851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3851
Ala Val Ser Leu Asp Gly Tyr Phe His Leu Trp Lys Ala Glu Asn Thr
1 5 10 15

Leu Ser Lys Leu
20

<210> 3852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3852
Gly Gly Ser Pro Val Lys Asn Ser Leu Arg Gly Leu Pro Gly Pro Tyr
1 5 10 15

Val Pro Gly Gln
20

<210> 3853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3853
Arg Lys Arg Lys Ala Val Thr Lys Arg Ala Arg Leu Gln Arg Ser Tyr
1 5 10 15

Glu Met Asn Glu
            20

<210> 3854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3854
Lys Asp Thr Glu Ile Thr Cys Ser Glu Arg Val Arg Thr Tyr Trp Ile
1   5   10   15

Ile Ile Glu Leu
            20

<210> 3855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3855
Thr Gln Lys Val Thr Cys Phe Tyr Gln Pro Ala Pro Tyr Phe Ala Ala
1   5   10   15

Glu Ala Arg Tyr
            20

<210> 3856
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3856
Gly His Ala Ser Pro His Leu Phe Thr Phe Pro Pro Thr Pro Pro Lys
1   5   10   15

Asp Val Ser Pro
            20

<210> 3857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3857
Lys Glu Pro Met Ile Val Tyr Val Gly Thr Leu Asp Leu Val Ala Val
1   5   10   15

Ser Ser Val Lys
            20

<210> 3858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3858
Arg Leu Phe Glu Asn Leu Arg Met Leu Pro His Ala Pro Gly Val Gln
1   5   10   15

Met Gln Ala Ile
            20

<210> 3859
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3859
Asp Arg Val Met Thr Val Ser Phe His Lys Tyr Gly Asn Tyr Phe Phe
1   5   10   15

Pro Gly Thr Gly
            20

<210> 3860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3860
Leu Tyr Gln Gly Gly Gln Met Phe Asp Gly Ala Pro Arg Phe His Gly
1   5   10   15

Arg Val Gly Phe
            20

<210> 3861
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3861
Thr Arg Gln Leu Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys
1   5   10   15

Ser Asp Asp Gly
            20

<210> 3862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3862
Cys Asp Val Asp Lys Leu His Phe Thr Pro Arg Ile Gln Arg Leu Asn
1   5   10   15

Glu Leu Glu Ala
            20

<210> 3863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3863
Asn Asp Gly Thr Lys Ile Ala Ala Ser Gln Ala Ile Ser Ala Met Cys
1   5   10   15

Glu Asn Ser Gly
            20

<210> 3864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3864
Val Ala Asp Leu Val Gly Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu
1   5   10   15

Pro Val Thr Lys
            20

<210> 3865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3865
Gly Met Leu Ser Asp Val Gln Ser Met Pro Lys Thr Gly Ile Leu Ile
1   5   10   15

Leu Ile Leu Ser
            20

<210> 3866
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3866
Arg Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Met Gln Asp
1   5   10   15

Leu Val Gln Glu
            20

<210> 3867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3867
Lys Val Leu His His Met Val Lys Ile Ser Gly Gly Pro His Ile Ser
1   5   10   15

Tyr Pro Pro Leu
            20

<210> 3868
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3868
Leu His His Met Val Lys Ile Ser Gly Gly Pro Arg Ile Ser Tyr Pro
1   5   10   15

Leu Leu His Glu
20

<210> 3869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3869
Phe Leu Trp Gly Pro Arg Ala Leu Ala Glu Thr Ser Tyr Val Lys Val
1 5 10 15

Leu Glu His Val
20

<210> 3870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3870
Leu Lys Val Ala Glu Leu Val His Phe Leu Leu His Lys Tyr Arg Val
1 5 10 15

Lys Glu Pro Val
20

<210> 3871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3871
Tyr Asp Gly Ile Leu His Ser Ile Tyr Gly Asp Ala Arg Lys Ile Ile
1 5 10 15

Thr Glu Asp Leu
20

<210> 3872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3872
Lys Met Val Asn Val Pro Leu Glu Gln Leu Pro Leu Leu Phe Lys Val

1 5 10 15

Val Leu His Ser
20

<210> 3873
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3873
Thr Leu Lys Ile Ile Glu Arg Asn Phe Pro Glu Leu Leu Ser Leu Asn
1 5 10 15

Leu Cys Asn Asn
20

<210> 3874
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3874
Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Ile Tyr
1 5 10 15

Asn Asn Glu Val
20

<210> 3875
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3875
Cys Lys Pro Ala Glu Leu Ser Arg Gly Arg Gly Ile Leu Ile Phe Ser
1 5 10 15

Asp Phe Lys Asp
20

<210> 3876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3876
Asp Glu Leu Glu Arg Lys Leu Glu Ala Thr Ser Ala Gln Asn Ile Glu
1   5   10   15

Phe Leu Gln Val
            20

<210> 3877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3877
Gly Pro Ala Tyr Ser Ile Leu Gly Arg Tyr Gln Thr Lys Thr Met Leu
1   5   10   15

Thr Pro Gly Pro
            20

<210> 3878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3878
Arg Trp Met Ala Gln Val Leu Ala Ser Glu Leu Ser Leu Val Ala Phe
1   5   10   15

Ile Leu Leu Leu
            20

<210> 3879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3879
Ser Thr Tyr Asn Leu Leu Phe Cys Gly Ser Cys Gly Ile Pro Val Gly
1   5   10   15

Phe His Leu Tyr
            20

<210> 3880

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3880
Cys Ser Thr Pro Thr Ile Asn Ile Pro Ala Ser Pro Phe Met Gln Lys
1   5   10   15

Leu Gly Phe Gly
            20

<210> 3881
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3881
Val Thr Gly Gln Pro Ser Gln Asp Asn Cys Ile Phe Val Val Asn Glu
1   5   10   15

Gln Thr Val Ala
            20

<210> 3882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3882
Ala Trp Asn Ser Cys Asn Glu Tyr Met Pro Ser Arg Ile Ile Val Tyr
1   5   10   15

Arg Asp Gly Val
            20

<210> 3883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3883
Ile Ala Gly Pro Ile Gly Met Arg Met Ser Pro Pro Ala Trp Val Glu
1   5   10   15

Leu Lys Asp Asp
            20

<210> 3884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3884
Lys Met Ser Thr Tyr Leu Lys Thr Ile Ser Pro Asn Asn Phe Thr Leu
1   5   10   15

Ala Phe Ile Val
            20

<210> 3885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3885
Ala Asp Cys Leu Lys Val Phe Met Thr Gly Ala Leu Asn Lys Trp Tyr
1   5   10   15

Lys Tyr Asn His
            20

<210> 3886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3886
Glu Leu Phe Pro Pro Leu Phe Met Ala Ala Phe Asp Gly Arg His Ser
1   5   10   15

Gln Thr Leu Lys
            20

<210> 3887
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3887
Val Ile Met Asp Trp Glu Glu Cys Ser Lys Met Phe Pro Lys Leu Thr
1   5   10   15

Lys Asn Met Leu
            20

<210> 3888
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3888
Phe Lys Tyr His Leu Thr Val Ala Gln Val Arg Gly Gly Met Val Phe
1   5   10   15

Glu Leu Ala Asn
            20

<210> 3889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3889
Ala Pro Glu Cys Leu Leu Thr Asp Gly Phe Tyr Thr Tyr Lys Met Asp
1   5   10   15

Leu Trp Ser Ala
            20

<210> 3890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3890
Gly Arg Cys Trp Ile Tyr Asn Lys Thr Lys Met Ala Phe Leu Leu Val
1   5   10   15

Gly Ile Cys Phe
            20

<210> 3891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3891

Gln Arg Lys Arg Phe Thr Arg Val Glu Met Ala Arg Val Leu Met Glu
1   5   10   15

Arg Asn Gln Tyr
            20

<210> 3892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3892
Asp Ala Asp Pro His Gly Ile Glu Ile Met Cys Ile Tyr Lys Tyr Gly
1   5   10   15

Ser Met Ser Met
            20

<210> 3893
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3893
Cys Ser Glu Glu Tyr Leu Glu Arg Gln Leu Gln Ala Glu Phe Ile Glu
1   5   10   15

Ser Gly Gln Tyr
            20

<210> 3894
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3894
Pro Gly Leu Ser Tyr Arg Trp Leu Leu Asn Glu Phe Pro Asn Phe Ile
1   5   10   15

Pro Thr Asp Gly
            20

<210> 3895
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3895
Leu Glu Cys Ala Ala Asn Glu Val Asn Cys Pro Leu Gln Val Ala Leu
1   5   10   15

Glu Cys Leu Tyr
            20

<210> 3896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3896
Val Arg Glu Ala Cys Pro His Gln Leu Leu Thr Gln Pro Arg Lys Thr
1   5   10   15

Glu Asn Gly Ala
            20

<210> 3897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3897
Lys Arg Glu Lys Asn Ser Tyr Tyr Val Phe Leu Lys Tyr Lys Arg Gln
1   5   10   15

Val Asn Glu Cys
            20

<210> 3898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3898
Gly Leu Phe Gly Val Phe Leu Val Leu Leu Asp Val Thr Leu Ile Leu
1   5   10   15

Ala Asp Leu Ile
            20

<210> 3899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3899
Leu Gln Val Ser Ser Tyr Gln His Trp Ile Trp Asp Cys Leu Asn Gly
1   5   10   15

Gln Ala Leu Ala
            20

<210> 3900
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3900
Cys Gly Val Gly Arg Ala Ala Gln Ala Leu Val Cys Ala Ser Ala Lys
1   5   10   15

Glu Gly Thr Ala
            20

<210> 3901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3901
Asp Ile Asn Ile Tyr Asp Leu Phe Val Trp Met His Tyr Tyr Val Ser
1   5   10   15

Met Asp Ala Leu
            20

<210> 3902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3902
Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp Gln Leu Lys Arg
1   5   10   15

His Gln Arg Arg

20

<210> 3903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3903
Ala Leu Ser Arg Leu Arg Glu Leu Cys Cys Gln Trp Leu Lys Pro Glu
1 5 10 15

Ile His Thr Lys
20

<210> 3904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3904
Trp Val Cys Asp Cys His Met Ala Asp Met Val Thr Trp Leu Lys Glu
1 5 10 15

Thr Glu Val Val
20

<210> 3905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3905
Gln Tyr Pro Asn Tyr Cys Ser Phe Lys Ser Gln Gln Cys Leu Met Arg
1 5 10 15

Asn Arg Asn Arg
20

<210> 3906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3906
Ser Gly Leu Leu Thr Gly Val Val Val Asp Ser Gly Tyr Gly Leu Thr
1 5 10 15

Arg Val Gln Pro
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<210> 3907
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3907
Thr Thr Gly Glu Ala Asn Glu Leu Leu His Thr Phe Leu Arg Trp Lys
1   5   10   15

Thr Ser Tyr Leu
            20

<210> 3908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3908
Lys His Leu Pro Val Phe Thr Tyr Thr Asp Gln Gly Ala Ile Leu Glu
1   5   10   15

Asp Gln Pro Phe
            20

<210> 3909
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3909
Ala Glu Asp Leu Ile Val Ser Ala Leu Leu Leu Ile Gln Tyr His Leu
1   5   10   15

Ala Gln Gly Gly
            20

<210> 3910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3910
Tyr Cys Val Gln Asp Thr Thr Ser Ala Asn Thr Thr Leu Val His Gln
1   5   10   15

Thr Thr Pro Ser
            20

<210> 3911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3911
Gln Leu Pro Glu Gln Ile Val Ile Pro Phe Thr Asp Gln Val Ala Cys
1   5   10   15

Leu Lys Glu Asn
            20

<210> 3912
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3912
Lys Ser Val Ser Gln Tyr Leu Glu Met Asp Lys Thr Leu Ser Lys Lys
1   5   10   15

Glu Glu Glu Val
            20

<210> 3913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3913
Gln Ser Asp Leu Gln Phe Leu Asn Phe Asn Val Glu Asn Ser Gln Glu
1   5   10   15

Leu Ile Gln Met
            20

<210> 3914
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3914
Ser Val Ser Cys Ile Thr Tyr Leu Arg Gly Ile Phe Pro Glu Cys Ala
1   5   10   15

Tyr Gly Thr Arg
            20

<210> 3915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3915
Ser Leu Tyr Pro Pro Thr Leu Leu Glu Gly Pro Leu Arg Leu Ser Pro
1   5   10   15

Leu Leu Pro Arg
            20

<210> 3916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3916
Phe Cys Gly Asp Tyr Gly Met Ile Asp Glu Ser Ile Tyr Phe Ser Ser
1   5   10   15

Asp Val Val Thr
            20

<210> 3917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3917
Glu Ala Ala Ala Gly Ala Thr Ala Val Pro Ala Ala Thr Val Pro Ala
1   5   10   15

Thr Ala Ala Gly
            20

<210> 3918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3918
Cys Glu Pro Ala Ser Glu Pro Ser Ser Phe Thr Val Thr Pro Val Ile
1   5   10   15

Glu Glu Asp Glu
            20

<210> 3919
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3919
Ala Arg Ala Val Gln Pro Lys Ala Leu Asn Ser Cys Ser Ile Pro Val
1   5   10   15

Ser Val Glu Ala
            20

<210> 3920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3920
Pro Gly Asn Glu Glu Phe Gln Val Val Lys Asp Ala Val Leu Asp Cys
1   5   10   15

Leu Leu Asp Phe
            20

<210> 3921
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3921
Leu Leu Ser Cys Leu Ser Lys Ser Asn Asn Arg Leu Lys Ser Leu Ser
1   5   10   15

Ile Gln Tyr Leu
            20

<210> 3922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3922
Arg Arg Lys Ala Lys Gly Arg Asn Arg Arg Ser His Arg Ala Met Arg
1   5   10   15

Val Ala His Leu
            20

<210> 3923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3923
Gly Asp Pro Gln Leu Cys His Phe Leu Glu Ser His Tyr Leu His Glu
1   5   10   15

Gln Val Lys Thr
            20

<210> 3924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3924
Glu Ile Ser Gly Asp Glu Phe Leu Asn Phe Leu Leu Lys Leu Asn Lys
1   5   10   15

Gln Cys Gly His
            20

<210> 3925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3925
Ala Asn Gly Asp Pro Val Cys Asn Ala Cys Gly Leu Tyr Tyr Lys Leu

1 5 10 15

His Asn Ile Asn
20

<210> 3926
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3926
Thr Leu Cys Tyr Leu Met Pro Gly Phe Ile His Leu Val Leu Gln Pro
1 5 10 15

Ser Leu Lys Gly
20

<210> 3927
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3927
Cys Trp Thr Tyr Glu Thr Ser Leu Leu Val Glu Glu Ala Ile Ser Glu
1 5 10 15

Glu Leu Pro Tyr
20

<210> 3928
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3928
Ser Glu Ser Pro Gly Ser Ile Gln Val Ala Arg Gly Gln Pro Ala Val
1 5 10 15

Leu Pro Cys Thr
20

<210> 3929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3929
Glu Ser Ser Cys Glu Ile Lys Leu Lys Trp Ser Ile Pro Leu Gly Pro
1   5   10   15

Ile Pro Ala Arg
            20

<210> 3930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3930
Thr Glu Glu Ile Pro Leu Lys Ile Leu Ala His Asn Asn Phe Val Gly
1   5   10   15

Arg Leu Ile Gly
            20

<210> 3931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3931
Pro Asp Val Lys Lys Asn Ser Met Glu Cys Ile Tyr Asn Leu Val Gln
1   5   10   15

Asp Phe Gln Cys
            20

<210> 3932
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3932
Asn Ser Gln Cys Lys Ile Thr Ile Val Gly Thr Gly Ala Val Gly Met
1   5   10   15

Ala Cys Ala Ile
            20

<210> 3933

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3933
Lys Leu Gln Glu Val Lys Ile Leu Ala Gln Phe Tyr Asn Asp Phe Val
1   5   10   15

Asn Ile Ser Ser
            20

<210> 3934
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3934
Leu Glu Ser Val Ile Lys Asn Tyr Lys His Cys Phe Pro Glu Ile Phe
1   5   10   15

Gly Lys Ala Ser
            20

<210> 3935
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3935
Trp Val Gln Glu Lys Tyr Leu Val Tyr Arg Gln Val Pro Gly Thr Asp
1   5   10   15

Pro Ala Cys Tyr
            20

<210> 3936
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3936
Ile Gly His Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1   5   10   15

Gly Leu Leu Gly
            20

<210> 3937
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3937
Ile Ser His Leu Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp
1   5   10   15

Gly Leu Leu Gly
            20

<210> 3938
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3938
Leu Gly Asp Asn Gln Ile Met Pro Lys Ala Gly Leu Leu Ile Ile Val
1   5   10   15

Leu Ala Ile Ile
            20

<210> 3939
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3939
Gly Thr Asp Val Lys Glu Val Asp Pro Ala Gly His Ser Tyr Ile Leu
1   5   10   15

Val Thr Ala Leu
            20

<210> 3940
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3940
Cys Ala Thr Glu Glu Glu Val Trp Glu Phe Leu Gly Leu Leu Gly Ile
1   5   10   15

Tyr Asp Gly Ile
            20

<210> 3941
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3941
Ala Gly Ala Leu Glu Asp Phe Pro Ala Arg Trp Ser Phe Arg Ala Tyr
1   5   10   15

Thr Ser Val Leu
            20

<210> 3942
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3942
Lys Asn Tyr Gly Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His
1   5   10   15

Pro Met Ser Glu
            20

<210> 3943
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3943
Thr Pro Gln Thr Gln His Gln Leu Lys Ala Leu Cys Ser Leu Ala Ala
1   5   10   15

Glu Gly Met Trp
            20

<210> 3944
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3944

Met Cys Leu Pro Glu Ile Arg Tyr Ile Ala Gly Lys Met Val Asn Val
1   5   10   15

Pro Leu Glu Gln
            20

<210> 3945
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3945
Arg Asn Trp Phe Lys Val Thr Ile Pro Tyr Gly Ile Lys Tyr Asp Lys
1   5   10   15

Ala Trp Leu Met
            20

<210> 3946
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3946
Ile Gln Asp Ala Gln Lys Arg Thr Ala Leu His Trp Ala Cys Val Asn
1   5   10   15

Gly His Glu Glu
            20

<210> 3947
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3947
Lys Pro Leu Thr Ile Tyr Val Tyr Gln Glu Gly Leu Val Arg Phe Ala
1   5   10   15

Thr Glu Lys Phe
            20

<210> 3948
<211> 20
<212> PRT

<213> Homo sapiens

<400> 3948
Thr Trp Arg Pro His Arg Pro Arg Gly Pro Ile Met Ala Leu Tyr Ser
1   5   10   15

Ser Pro Gly Pro
            20

<210> 3949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3949
Arg Ser Cys Ser Asp Leu Glu Asn Gly Lys Val Thr Phe Ile Phe Ser
1   5   10   15

Thr Leu Met Leu
            20

<210> 3950
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3950
Gly His Phe Cys Leu Ser Ser Asp Lys Met Val Cys Tyr Leu Leu Lys
1   5   10   15

Thr Lys Ala Ile
            20

<210> 3951
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3951
Lys Met Gly Gly Glu Leu Trp Arg Val Asp Ile Pro Leu Lys Leu Val
1   5   10   15

Met Ile Val Gly
            20

<210> 3952
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3952
Asp Ser Leu Lys Leu Cys Leu Val Gly Ser Leu Lys Lys Phe Tyr Glu
1   5   10   15

Val Asn His Cys
            20

<210> 3953
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3953
Ser Leu Val Asn Tyr Asn Leu Trp Ile Glu Lys Val Thr Gln Leu Glu
1   5   10   15

Gly Arg Pro Phe
            20

<210> 3954
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3954
Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg Arg Pro Arg Trp
1   5   10   15

Leu Cys Ala Gly
            20

<210> 3955
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3955
Pro Gln Cys Leu Ser Leu Leu His Ala Met Val Ala Tyr Asp Pro Asp
1   5   10   15

Glu Arg Ile Ala

20

<210> 3956
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3956
Pro Ala Pro Gly Asn Ile Leu Ser Thr Ala Pro Pro Trp Leu Arg His
1 5 10 15

Met Ala Ala Ala
20

<210> 3957
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3957
Trp Gly Ala Glu Met Gly Ala Asn Glu His Gly Val Cys Ile Ala Asn
1 5 10 15

Glu Ala Ile Asn
20

<210> 3958
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3958
Phe Leu Phe Ala Ala Val Val Ala Trp Cys Thr Leu Ile Pro Leu Ser
1 5 10 15

Cys Phe Pro Asn
20

<210> 3959
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3959
Tyr Pro Ser Leu Trp Gly Phe Gly Thr Thr Lys Thr Phe Lys Ile Pro
1 5 10 15

Ile Glu His Leu
            20

<210> 3960
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3960
Thr Val Val Asp Asn Ile Ile Asn Asp Ile Ser Cys Met Leu Lys Val
1   5   10   15

Ser Arg Arg Ser
            20

<210> 3961
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3961
Leu Lys Gly Glu Arg Pro Gly Ala Ala His Gln Ala Gly Pro Asp Val
1   5   10   15

Leu Ile Gly Gln
            20

<210> 3962
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3962
Gln Pro Ile Thr Ser Ser His Leu Ala Leu Pro Phe Gln Ile Ile Arg
1   5   10   15

Cys Ser Leu Glu
            20

<210> 3963
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3963
Glu Lys Cys Met Gly Met Arg Lys Thr Phe Pro Cys Thr Pro Arg Leu
1   5   10   15

Val Gly His Thr
            20

<210> 3964
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3964
Ile Gly Cys Arg Leu Met Ser Gly Ile Leu Ala Val Gly Pro Met Phe
1   5   10   15

Val Arg Glu Ala
            20

<210> 3965
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3965
Pro Leu Pro Thr Gln Leu Tyr Asn Trp Ala Ala Pro Glu Val Ile Leu
1   5   10   15

Gln Lys Ala Ala
            20

<210> 3966
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3966
Leu Cys Trp Pro Ser Val Tyr Trp Thr Glu Arg Phe Leu Glu Asp Thr
1   5   10   15

Thr Leu Thr Ile
            20

<210> 3967
<211> 20

<212> PRT
<213> Homo sapiens

<400> 3967
Asn Leu Pro Pro Arg Arg Ile Leu Phe Ile Lys His Phe Ile Ile Tyr
1   5   10   15

Ser Ile Pro Arg
            20

<210> 3968
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3968
Asp Gln Met Thr Gln Thr Ala Ser Asp Val Pro Val Leu Gln Val Ile
1   5   10   15

Met His Ser Arg
            20

<210> 3969
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3969
Asn Leu Leu Ser Pro Ala Ser Phe Phe Ser Ser Trp Gln Ile Val Cys
1   5   10   15

Ser Arg Leu Glu
            20

<210> 3970
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3970
Lys Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe
1   5   10   15

Lys Leu Ser His
            20

<210> 3971
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3971
Gly Thr Cys Asp Gln Ser Phe Lys Trp Asn Ser Asp Phe Ile Asn His
1   5   10   15

Gln Ile Ile Tyr
            20

<210> 3972
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3972
Thr Gly Asn Gln Leu Ala Val Leu Pro Ala Gly Ala Phe Ala Arg Arg
1   5   10   15

Pro Pro Leu Ala
            20

<210> 3973
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3973
Gly Ser Asp Thr Thr Val Val Ala Gln Lys Val Phe Gln Leu Ile Gly
1   5   10   15

Leu Thr Asn Ala
            20

<210> 3974
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3974
Arg Gln Phe Glu Thr Val Cys Lys Phe His Trp Val Glu Ala Phe Asp
1   5   10   15

Asp Glu Met Thr
20

<210> 3975
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3975
Ser Glu Lys Thr Lys Arg Leu Asn Glu Leu Lys Leu Ser Val Val Ser
1 5 10 15

Leu Lys Glu Ile
20

<210> 3976
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3976
Ser Asp Pro Thr Ser Trp Ser Ser Ala Ile Gln Ser Trp Tyr Asp Glu
1 5 10 15

Ile Leu Asp Phe
20

<210> 3977
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3977
Phe Glu Gly Glu Pro Met Tyr Leu Asn Val Gly Glu Val Ser Thr Pro
1 5 10 15

Phe His Ile Phe
20

<210> 3978
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3978
Pro Gly Pro Pro Arg Ala Pro Phe Ala Met Arg Asn Val Tyr Leu Pro

1 5 10 15

Arg Gly Phe Leu
20

<210> 3979
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3979
Lys Thr Phe Arg Thr Val Thr Leu Leu Arg Asn His Val Asn Thr His
1 5 10 15

Thr Gly Thr Arg
20

<210> 3980
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3980
Ala Gly Ala Ile Arg Gly Arg Ala Ala Arg Val Ile His Ile Ile Asn
1 5 10 15

Ala Glu Met Glu
20

<210> 3981
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3981
Pro Ser Ala Pro Gly Ser Arg Thr Pro Gly Asn Pro Ala Thr Ala Val
1 5 10 15

Ser Gly Thr Pro
20

<210> 3982
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3982
Asn Val Cys Leu Ala Tyr Gly Ser Glu Trp Ser Val Tyr Ala Val Gly
1   5   10   15

Ser Gln Ala His
            20

<210> 3983
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3983
Ser Phe Tyr Gln Pro Ser Leu Phe Pro Tyr Tyr Asn Asn Leu Tyr Asn
1   5   10   15

Cys Pro Gln Tyr
            20

<210> 3984
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3984
Met Glu Leu Gln Ala Ala Arg Ala Cys Phe Ala Leu Leu Trp Gly Cys
1   5   10   15

Ala Leu Ala Ala
            20

<210> 3985
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3985
Arg Ile Leu Leu Gln Glu Ile Pro Ile Arg Ser Ile Ser Leu Arg Ser
1   5   10   15

Cys Tyr Phe Ser
            20

<210> 3986

<211> 20
<212> PRT
<213> Homo sapiens

<400> 3986
Ser Leu Glu Glu Asp Ser Ala Leu Glu Ala Leu Leu Asn Phe Phe Phe
1   5   10   15

Pro Thr Thr Cys
            20

<210> 3987
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3987
Ala Glu Asn Met Lys Cys Leu Gln Phe Ser Lys Asp Val Ile Ile Ser
1   5   10   15

Asp Thr Lys Asp
            20

<210> 3988
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3988
Ala Ile Asn Ser His Ile Thr Leu Glu Leu Tyr Thr Ser Tyr Leu Tyr
1   5   10   15

Leu Ser Met Ala
            20

<210> 3989
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3989
Leu Leu Asp Ser Gly Ile Ser Val Asp Ser Asn Phe Gln Tyr Gly Trp
1   5   10   15

Thr Pro Leu Met
            20

<210> 3990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3990
Arg Thr Ala Cys Leu Val Val Ala Met Leu Leu Ser Leu Asp Phe Pro
1   5   10   15

Gly Gln Ala Gln
            20

<210> 3991
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3991
Val His Asp Val Thr His Val Tyr Asn Phe Asp Phe Pro Arg Asn Ile
1   5   10   15

Glu Glu Tyr Val
            20

<210> 3992
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3992
Asn Asn Lys Ile Cys Asp Ile Ala Ile Asn Trp Ala Gly Gly Leu His
1   5   10   15

His Ala Lys Lys
            20

<210> 3993
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3993
Asn Ile Gly Leu Ile Ala Gly Ala Ile Gly Thr Gly Ala Val Ile Ile
1   5   10   15

Ile Phe Cys Ile
20

<210> 3994
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3994
Cys Ala Val Asn Thr Phe Leu Thr Glu Asn Ser Pro Tyr Ser Leu Leu
1 5 10 15

Glu Val Leu Cys
20

<210> 3995
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3995
Leu Ile Pro Gly Leu Asn Leu Asn Ala Leu Gly Leu Phe Pro Pro Thr
1 5 10 15

Ser Gly Met Pro
20

<210> 3996
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3996
Pro Glu Glu Glu Val Val Ile His Glu Phe Ala Ser Leu Cys Leu Ala
1 5 10 15

Asn Met Ser Ala
20

<210> 3997
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3997

Tyr Ser Pro Asp Cys Lys Ile Leu Val Val Ser Asn Pro Val Asp Ile
1   5   10   15

Leu Thr Tyr Ile
            20

<210> 3998
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3998
Asn Lys Arg Pro Cys Leu Glu Phe Ser Gln Leu Ser Val Lys Asp Ser
1   5   10   15

Phe Arg Asp Leu
            20

<210> 3999
<211> 20
<212> PRT
<213> Homo sapiens

<400> 3999
Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys
1   5   10   15

His Cys Phe Pro
            20

<210> 4000
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4000
Ser Asp Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala His Ala
1   5   10   15

Glu Ile Arg Lys
            20

<210> 4001
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4001
Leu Val His Leu Leu Leu Arg Lys Tyr Arg Val Lys Gly Leu Ile Thr
1   5   10   15

Lys Ala Glu Met
            20

<210> 4002
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4002
Met Pro Lys Thr Gly Phe Leu Ile Ile Ile Leu Ala Ile Ile Ala Lys
1   5   10   15

Glu Gly Asp Cys
            20

<210> 4003
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4003
Gly Leu Ser Cys Asp Ser Met Leu Gly Asp Gly His Ser Met Pro Lys
1   5   10   15

Ala Ala Leu Leu
            20

<210> 4004
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4004
Arg Asn Gly Leu Leu Met Pro Leu Leu Ser Val Ile Phe Leu Asn Gly
1   5   10   15

Asn Cys Ala Arg
            20

<210> 4005
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4005
Val Thr Glu Ala Glu Met Leu Met Ile Val Ile Lys Tyr Lys Asp Tyr
1   5   10   15

Phe Pro Val Ile
            20

<210> 4006
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4006
Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
1   5   10   15

Ala Pro Ala Thr
            20

<210> 4007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4007
Glu Tyr Ile Ser Glu Met Leu Leu Arg Asn Lys Ser Val Arg Tyr Leu
1   5   10   15

Asp Leu Ser Ala
            20

<210> 4008
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4008
Arg Lys Gln Arg Asn Arg Cys Gln Tyr Cys Arg Leu Leu Lys Cys Leu
1   5   10   15

Gln Met Gly Met

20

<210> 4009
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4009
Asn Leu Cys Asn Asn Lys Leu Tyr Gln Leu Asp Gly Leu Ser Asp Ile
1 5 10 15

Thr Glu Lys Ala
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<210> 4010
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4010
Gln Phe Ile Pro Leu Thr Phe Val Met Pro Asn Asp Tyr Thr Lys Phe
1 5 10 15

Val Ala Glu Tyr
20

<210> 4011
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4011
Met Thr Glu Glu Val Trp Met Gly Thr Trp Arg Pro His Arg Pro Arg
1 5 10 15

Gly Pro Ile Met
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<210> 4012
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4012
Ile Phe Ser Thr Leu Met Leu Phe Pro Ile Asn Ile Trp Ile Phe Glu
1 5 10 15

Leu Glu Arg Asn
            20

<210> 4013
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4013
Lys Lys Glu Arg Pro Ile Ser Met Ile Asn Glu Ala Ser Asn Tyr Asn
1   5   10   15

Val Thr Ser Asp
            20

<210> 4014
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4014
Pro Leu Ile Ser Val Lys Pro Leu Asp Asn Trp Leu Leu Ile Tyr Thr
1   5   10   15

Arg Arg Asn Tyr
            20

<210> 4015
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4015
Glu Arg Ile Asn Leu Lys Asn Thr Ser Phe Ile Thr Ser Gln Glu Leu
1   5   10   15

Asn Trp Val Lys
            20

<210> 4016
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4016
Pro Gly Ile Ile Arg Val Pro Ala Pro Cys His Tyr Ala His Lys Leu
1   5   10   15

Ala Tyr Leu Val
            20

<210> 4017
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4017
Asn Asp Asn Ser Glu Ala Gln Leu Ala His Leu Ile Pro Glu Leu Cys
1   5   10   15

Phe Leu Thr Gly
            20

<210> 4018
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4018
Glu Pro Gly Glu Lys Trp Tyr Gln Val Gly Ile Ile Ser Trp Gly Lys
1   5   10   15

Ser Cys Gly Glu
            20

<210> 4019
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4019
Gly Ala Lys Gly Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala
1   5   10   15

Pro Gly Val Lys
            20

<210> 4020
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4020
Leu Ser Ser Val Gly Leu His Met Thr Lys Gly Leu Ala Leu Trp Glu
1   5   10   15

Ala Tyr Arg Glu
            20

<210> 4021
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4021
Glu Asn Lys Leu Leu Gln Leu Lys Ser Ser Ala Thr Tyr Gly Lys Ser
1   5   10   15

Cys Gln Asp Leu
            20

<210> 4022
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4022
Leu Val Ala Ile Phe Ile Ala Phe Tyr Gly Asp Arg Lys Lys Val Ile
1   5   10   15

Trp Phe Val Ala
            20

<210> 4023
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4023
Val Ala Glu Ala Arg Val Tyr Arg Asp Ala Arg Gly Arg Ala Ser Ser
1   5   10   15

Glu Pro His Ile
            20

<210> 4024
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4024
Ala Asp Gly Asn Val Lys Ala Phe Tyr Arg Arg Ala Leu Ala His Lys
1   5   10   15

Gly Leu Lys Asn
            20

<210> 4025
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4025
Asp Ser Thr Leu Arg Leu Tyr His Ala His Thr Tyr Gln His Leu Gln
1   5   10   15

Asp Val Asp Ile
            20

<210> 4026
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4026
Thr Ala Thr Arg Arg Lys Pro His Leu Leu Leu Val Ala Ala Val Ala
1   5   10   15

Leu Val Ser Ser
            20

<210> 4027
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4027
Asn Ser Trp Arg Pro Ser Leu Phe Tyr Lys Ile Ala Asn Val Gln Thr
1   5   10   15

Cys Pro Asp Glu
            20

<210> 4028
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4028
Lys Thr Glu Asn Gly Ala Thr Cys Leu Pro Ile Pro Val Trp Gly Leu
1   5   10   15

Gln Leu Leu Leu
            20

<210> 4029
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4029
Gly Gln Pro Ser Leu Cys Ser Phe Glu Ile Asn Glu Ile Tyr Ser Gly
1   5   10   15

Cys Leu Ile Leu
            20

<210> 4030
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4030
Ser Cys Lys Ser Pro Lys Ser Thr Thr Ala His Ala Ile Leu Arg Arg
1   5   10   15

Val Glu Thr Glu
            20

<210> 4031
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4031
Lys Val Asp Pro Tyr Arg Ser Cys Gly Phe Ser Tyr Glu Gln Asp Pro

1 5 10 15

Thr Leu Arg Asp
20

<210> 4032
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4032
Phe Ser Asp His Asn Phe Ala Gly Ser Asn Lys Ile Ala Glu Ile Leu
1 5 10 15

Cys Lys Asp Leu
20

<210> 4033
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4033
Val Gly Ala Val Leu Thr Ala Leu Leu Ala Gly Leu Val Ser Leu Leu
1 5 10 15

Cys Arg His Lys
20

<210> 4034
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4034
Leu Ala Leu Ile Gly Ala Ile Phe Leu Leu Val Leu Tyr Leu Asn Arg
1 5 10 15

Lys Gly Ile Lys
20

<210> 4035
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4035
Ile Ser Leu Arg Pro Leu Leu Val Ser His Val Met Ala Cys Gly Gly
1   5   10   15

Asn Thr Leu Tyr
            20

<210> 4036
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4036
Ile Phe Cys Val Leu Ile Ala Ile Met Val Lys Val Asn Phe Gln Arg
1   5   10   15

Lys Lys Trp Arg
            20

<210> 4037
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4037
Phe Gly Gly Gln Lys His Ile Ile His Ile Lys Val Lys Lys Leu Leu
1   5   10   15

Phe Ser Lys His
            20

<210> 4038
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4038
Gln His Ala Cys Ala Val Met Lys Asn Phe Gly Thr Arg Thr Phe Gln
1   5   10   15

Ala Ile Thr Val
            20

<210> 4039

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4039
Glu Val Val Ser Asp Leu Ile Asp Ser Phe Leu Arg Asn Leu His Ser
1   5   10   15

Val Thr Gly Thr
            20

<210> 4040
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4040
Lys Leu Asp Lys Tyr His Ser Leu Asn Glu Glu Leu Asp Phe Leu Val
1   5   10   15

Thr Ser Tyr Glu
            20

<210> 4041
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4041
Cys Gly Phe Asp Ile Lys Lys Val His Val Ile Leu His Phe Lys Asn
1   5   10   15

Lys Tyr His Glu
            20

<210> 4042
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4042
Pro Phe Ser Asn Leu Val Thr His Leu Asp Ser Phe Leu Pro Ile Cys
1   5   10   15

Arg Val Asn Asp
            20

<210> 4043
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4043
Arg Ala Ala Val Ala Gly Phe Phe Ala Val Leu Phe Leu Trp Arg Ser
1   5   10   15

Phe Arg Ser Val
            20

<210> 4044
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4044
Cys Cys Gln Cys Ser Tyr Ala Ser Arg Asp Thr Tyr Lys Leu Lys Arg
1   5   10   15

His Met Arg Thr
            20

<210> 4045
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4045
Trp Cys Pro Pro Pro Phe Phe Tyr Arg Arg Arg Phe Val Arg Gly Pro
1   5   10   15

Arg Pro Pro Asn
            20

<210> 4046
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4046
Gly Thr Leu Asn Lys Val Phe Ala Ser Gln Trp Leu Asn His Arg Gln
1   5   10   15

Val Val Cys Gly
            20

<210> 4047
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4047
Pro Gln Gly Arg Ala Gly Gly Phe Gly Lys Ala Ser Gly Ala Leu Val
1   5   10   15

Gly Ala Ala Ser
            20

<210> 4048
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4048
Ala Leu Asn Ser Cys Ser Ile Pro Val Ser Val Glu Ala Phe Leu Met
1   5   10   15

Gln Ala Ser Gly
            20

<210> 4049
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4049
Leu Glu Pro His Met Asn Tyr Thr Phe Thr Val Glu Ala Arg Asn Gly
1   5   10   15

Val Ser Gly Leu
            20

<210> 4050
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4050

Glu Ile Arg Phe Thr Asn Leu Thr Trp Asp Gln Val Ile Thr Leu Asp
1   5   10   15

Gln Val Leu Asp
            20

<210> 4051
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4051
Glu Val Lys Phe Met Asn Pro Tyr Asn Ala Val Leu Thr Lys Lys Phe
1   5   10   15

Gln Val Thr Met
            20

<210> 4052
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4052
Phe Lys Cys Phe Ala Pro Phe Arg Asp Val Pro Lys Gln Met Met Gln
1   5   10   15

Met Phe Gly Leu
            20

<210> 4053
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4053
Ser Glu Glu Cys Glu Ala Ser Lys Gly Tyr Tyr Leu Thr Lys Ala Leu
1   5   10   15

Thr Gly His Asn
            20

<210> 4054
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4054
Ser His Tyr Leu His Glu Gln Val Lys Thr Ile Lys Glu Leu Gly Gly
1   5   10   15

Tyr Val Ser Asn
            20

<210> 4055
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4055
Ala Asn Ala Ser Phe Glu Lys Asp Lys Gln Ser Ile Leu Ile Thr Ala
1   5   10   15

Cys Ser Ala His
            20

<210> 4056
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4056
Pro Thr His His Gly Ser Gln Val Cys Arg Pro Pro Leu Leu His Gly
1   5   10   15

Ser Leu Pro Trp
            20

<210> 4057
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4057
Pro Asp Ala Thr Cys His Gln Val Arg Ser Phe Phe Gln Arg Leu Gln
1   5   10   15

Pro Gly Leu Lys
            20

<210> 4058
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4058
Gln Ser Gln Ala Trp Pro Ile Val Leu Gln Gly Ile Asp Leu Ile Gly
1   5   10   15

Val Ala Gln Thr
            20

<210> 4059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4059
His Ser Asp Asp Tyr Ile Lys Phe Leu Arg Ser Ile Arg Pro Asp Asn
1   5   10   15

Met Ser Glu Tyr
            20

<210> 4060
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4060
Tyr Gly Gln Gly His Pro Met Lys Pro His Arg Ile Arg Met Thr His
1   5   10   15

Asn Leu Leu Leu
            20

<210> 4061
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4061
Leu His His Ala Lys Lys Phe Glu Ala Ser Gly Phe Cys Tyr Val Asn
1   5   10   15

Asp Ile Val Ile

20

<210> 4062
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4062
Thr Phe Thr Thr Ser Ala Ala Leu Ile Asn Leu Asn Val Ile Trp Met
1 5 10 15

Val Thr Pro Leu
20

<210> 4063
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4063
Gly Phe Ile Leu Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg
1 5 10 15

Lys Pro Asn Thr
20

<210> 4064
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4064
Val Gln Phe Leu Leu Phe Lys Tyr Gln Met Lys Glu Pro Ile Thr Lys
1 5 10 15

Ala Glu Ile Leu
20

<210> 4065
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4065
Phe Arg Glu Ala Ser Val Cys Met Gln Leu Leu Phe Gly Ile Asp Val
1 5 10 15

Lys Glu Val Asp
            20

<210> 4066
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4066
Leu Glu Thr Ser Phe Gln Val Ala Leu Ser Arg Lys Met Ala Glu Leu
1   5   10   15

Val His Phe Leu
            20

<210> 4067
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4067
Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln Leu Val Phe Gly Ile
1   5   10   15

Glu Val Val Glu
            20

<210> 4068
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4068
Met Pro Lys Ala Gly Leu Leu Ile Ile Val Leu Ala Ile Ile Ala Arg
1   5   10   15

Glu Gly Asp Cys
            20

<210> 4069
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4069
Gly His Ser Tyr Ile Leu Val Thr Cys Leu Gly Leu Ser Tyr Asp Gly
1   5   10   15

Leu Leu Gly Asp
            20

<210> 4070
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4070
Ser Met Pro Lys Ala Ala Leu Leu Ile Ile Val Leu Gly Val Ile Leu
1   5   10   15

Thr Lys Asp Asn
            20

<210> 4071
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4071
Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala Tyr Ala Glu
1   5   10   15

Thr Thr Lys Met
            20

<210> 4072
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4072
Trp Glu Val Leu Asn Ala Val Gly Val Tyr Ala Gly Arg Glu His Phe
1   5   10   15

Val Tyr Gly Glu
            20

<210> 4073
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4073
Ala Met Gly Ile Pro Phe Ile Ile Gln Cys Asp Leu Cys Leu Lys Trp
1   5   10   15

Arg Val Leu Pro
            20

<210> 4074
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4074
Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala
1   5   10   15

Ser Lys Ser Thr
            20

<210> 4075
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4075
Gln Glu Ala Asn Phe His Ile Ile Asp Asn Val Asp Leu Val Val Ser
1   5   10   15

Ala Tyr Cys Leu
            20

<210> 4076
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4076
Leu Lys Pro Trp Leu Leu Glu Val Asn Tyr Ser Pro Ala Leu Thr Leu
1   5   10   15

Asp Cys Ser Thr
            20

<210> 4077
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4077
Thr Pro Gly Pro Ala Ala Tyr Arg Gln Thr Asp Val Arg Val Thr Lys
1   5   10   15

Phe Lys Ala Pro
            20

<210> 4078
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4078
Ser Glu Leu Ser Leu Val Ala Phe Ile Leu Leu Leu Val Val Ala Phe
1   5   10   15

Ser Lys Lys Trp
            20

<210> 4079
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4079
Gly Pro Gln Leu Pro Ser Trp Leu Gln Pro Glu Arg Cys Ala Val Phe
1   5   10   15

Gln Cys Ala Gln
            20

<210> 4080
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4080
His His Pro Asn Ile Val Gly Tyr Arg Ala Phe Thr Glu Ala Asn Asp
1   5   10   15

Gly Ser Leu Cys
            20

<210> 4081
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4081
Pro Asn Val Glu Cys Lys Ser Met Arg Phe Gly Met Leu Lys Asp His
1   5   10   15

Gln Ala Val Thr
            20

<210> 4082
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4082
Leu Gln Leu Trp Asp Leu Lys Phe Asp Thr Asn Phe Leu Ser Val Pro
1   5   10   15

Gly Arg Val Leu
            20

<210> 4083
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4083
Met Leu Leu Phe Ser Val Leu Leu Leu Leu Ser Leu Val Thr Gly Thr
1   5   10   15

Gln Leu Gly Pro
            20

<210> 4084
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4084
Gly Asp Phe Gly Ser Cys Arg Ser Val Tyr Ser Lys Gln Pro Tyr Thr

1 5 10 15

Glu Tyr Ile Ser
20

<210> 4085
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4085
Val Tyr Asp Tyr Asn Cys His Val Asp Leu Ile Arg Leu Leu Arg Leu
1 5 10 15

Glu Gly Glu Leu
20

<210> 4086
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4086
Met Ala Ala Ala Pro Pro Ser Tyr Cys Phe Val Ala Phe Pro Pro Arg
1 5 10 15

Ala Lys Asp Gly
20

<210> 4087
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4087
Ser Cys Gln Asp Leu Gln Arg Glu Ile Ser Ile Leu Gln Glu Gln Ile
1 5 10 15

Ser His Leu Gln
20

<210> 4088
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4088
Asn Pro Val Leu Ile Cys Leu Ala Leu Ser Lys Ala Thr Glu Tyr Leu
1   5   10   15

Val Ile Ile Gly
            20

<210> 4089
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4089
Arg Arg Gln Glu Met Arg Gln Phe Phe Thr Val Gly Gln Gln Pro Gln
1   5   10   15

Ile Pro Ile Thr
            20

<210> 4090
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4090
Val Asp Tyr Lys Thr Val Leu Gln Ile Asp Cys Gly Leu Gln Leu Ala
1   5   10   15

Asn Asp Ser Val
            20

<210> 4091
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4091
Leu Lys Asp Ser Ile Leu Ser Ile Val His Val Lys Gly Ile Val Leu
1   5   10   15

Val Ala Leu Ala
            20

<210> 4092

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4092
His Ile Leu Ser Thr Ser Lys Gly Leu Ile Ala Gly Asn Leu Arg Tyr
1   5   10   15

Ile Glu Glu Asp
            20

<210> 4093
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4093
Val Leu Trp Ser Lys Gly Thr Glu Ile Leu Val Asn Ser Ser Arg Val
1   5   10   15

Thr Val Thr Pro
            20

<210> 4094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4094
Leu Pro Thr Leu Arg Ser Ala Leu Phe Ser Arg Tyr Ser Pro His Asp
1   5   10   15

Trp Asp Gln Ser
            20

<210> 4095
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4095
His Cys Pro Thr Cys Val Ala Leu Gly Thr Cys Phe Ser Ala Pro Ser
1   5   10   15

Leu Pro Cys Pro
            20

<210> 4096
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4096
Thr Glu Ala Leu Ile Val Cys Glu Gln Asp Val Ser Arg Met Arg Arg
1   5   10   15

Gln Leu Asp Glu
            20

<210> 4097
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4097
Met Arg Pro Glu Gly Ser Leu Thr Tyr Arg Val Pro Glu Arg Leu Arg
1   5   10   15

Gln Gly Phe Cys
            20

<210> 4098
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4098
Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro
1   5   10   15

Asn Ala Pro Tyr
            20

<210> 4099
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4099
Val Pro Thr Asp Leu Pro Ala Tyr Val Arg Asn Leu Phe Leu Thr Gly
1   5   10   15

Asn Gln Leu Ala
            20

<210> 4100
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4100
Ile Tyr Asp Glu Asn Ser Tyr Trp Arg Asn Gln Asn Pro Gly Ser Leu
1   5   10   15

Leu Gln Leu Pro
            20

<210> 4101
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4101
Ile Pro Arg Ala Thr Ile Ile Tyr Ala Asn Ile Ser Gly His Leu Cys
1   5   10   15

Ile Ala Val Glu
            20

<210> 4102
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4102
Asn Cys Ser Tyr Gly Asp Phe Trp Glu Tyr Thr Val Glu Arg Thr Lys
1   5   10   15

Cys Leu Leu Glu
            20

<210> 4103
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4103

Phe Asn Gln Trp Lys Gln Asn Ala Thr Asp Ile Met Glu Ala Met Leu
1   5   10   15

Lys Arg Leu Val
            20

<210> 4104
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4104
His Leu Glu Thr Val Ile Leu Gly Leu Leu Lys Thr Pro Ala Gln Tyr
1   5   10   15

Asp Ala Ser Glu
            20

<210> 4105
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4105
Glu Lys Met Asp Asn Gln Glu Tyr Lys Asp Ala Tyr Lys Phe Ala Ala
1   5   10   15

Asp Val Arg Leu
            20

<210> 4106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4106
Tyr His Glu Asn Lys Lys Leu Ile Arg Cys Lys Val Asp Gly Phe Thr
1   5   10   15

His Leu Tyr Thr
            20

<210> 4107
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4107
Met Val Ala Val His Gln Gln Gln Leu Leu Ser Trp Glu Glu Asp Arg
1   5   10   15

Gln Lys Val Leu
            20

<210> 4108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4108
Glu Lys Met Lys Asp Thr Val Gln Lys Leu Lys Asn Ala Arg Gln Glu
1   5   10   15

Val Val Glu Lys
            20

<210> 4109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4109
Arg Gly Pro Leu Phe Pro Val Asp Ala Arg Gly Pro Phe Leu Arg Arg
1   5   10   15

Gly Pro Pro Phe
            20

<210> 4110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4110
Pro Phe Lys Cys Ser Met Cys Lys Tyr Ala Ser Val Glu Ala Ser Lys
1   5   10   15

Leu Lys Arg His
            20

<210> 4111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4111
Asp Ser Leu Cys Pro Gln Val Ile Asn Ala Ala Leu Thr Leu Ala Ala
1   5   10   15

Arg Pro Gln Ser
            20

<210> 4112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4112
Phe Tyr Glu His Ile Ile Thr Val Gly Thr Gly Gln Gly Ser Leu Leu
1   5   10   15

Phe Tyr Asp Ile
            20

<210> 4113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4113
His Gly Arg Leu Leu Ser Ala Asp Thr Lys Gly Trp Val Arg Leu Gln
1   5   10   15

Phe His Ala Gly
            20

<210> 4114
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4114
Asn Arg Gln Cys Gln Cys Thr Ser Val Gly Ala Gln Asn Thr Val Ile
1   5   10   15

Cys Ser Lys Leu

20

<210> 4115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4115
Cys Ser Pro Gly Phe Phe Lys Phe Glu Ala Ser Glu Ser Pro Cys Leu
1 5 10 15

Glu Cys Pro Glu
20

<210> 4116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4116
Gly Asp Phe Gln Glu Ala Met Thr His Leu Gln His Lys Leu Ile Cys
1 5 10 15

Thr Arg Lys Pro
20

<210> 4117
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4117
Pro Gln Asp Gln Ser Cys Trp Ala Phe Leu Pro Asp Leu Cys Leu Cys
1 5 10 15

Arg Val Phe Trp
20

<210> 4118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4118
Glu Gln Leu Lys Cys Leu Leu Asp Glu Cys Ile Leu Lys Gln Lys Ser
1 5 10 15

Ile Ile Lys Leu
            20

<210> 4119
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4119
His Glu Ile Phe Asn Leu Leu Ser Phe Thr Leu Asn Pro Leu Glu Gly
1   5   10   15

Lys Leu Gln Gln
            20

<210> 4120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4120
Phe Ser His Ser Ser His Met Leu Thr Thr Pro Thr Pro Met His Pro
1   5   10   15

Pro Ser Ser Leu
            20

<210> 4121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4121
Ser Ser Arg Arg Arg Glu Leu Ile Gln Lys Leu Lys Ser Phe Ile Ser
1   5   10   15

Phe Tyr Ser Ala
            20

<210> 4122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4122
Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu Ser Tyr Thr
1   5   10   15

Trp Asp Phe Gly
            20

<210> 4123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4123
Cys Tyr Val Asn Asp Ile Val Leu Ala Ile Leu Glu Leu Leu Lys Tyr
1   5   10   15

His Gln Arg Val
            20

<210> 4124
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4124
Tyr Gly Ala Gly His Pro Met Lys Pro His Arg Leu Ala Leu Thr His
1   5   10   15

Ser Leu Val Leu
            20

<210> 4125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4125
Ile Gly Thr Gly Ala Val Ile Ile Ile Phe Cys Ile Ala Leu Ile Leu
1   5   10   15

Gly Ala Phe Phe
            20

<210> 4126
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4126
Cys Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr
1   5   10   15

Trp Ile Ser Pro
            20

<210> 4127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4127
Met Pro Lys Thr Gly Phe Leu Ile Ile Val Leu Val Met Ile Ala Met
1   5   10   15

Glu Gly Gly His
            20

<210> 4128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4128
Asn Met Met Gly Leu Tyr Asp Gly Met Glu His Leu Ile Tyr Gly Glu
1   5   10   15

Pro Arg Lys Leu
            20

<210> 4129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4129
Leu Gly Leu Val Gly Ala Gln Ala Leu Gln Ala Glu Glu Gln Glu Ala
1   5   10   15

Ala Phe Phe Ser
            20

<210> 4130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4130
Phe Thr Lys Ala Glu Met Leu Gly Ser Val Ile Arg Asn Phe Gln Asp
1   5   10   15

Phe Phe Pro Val
            20

<210> 4131
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4131
Leu Leu Gly Asp Asn Gln Val Met Pro Lys Thr Gly Leu Leu Ile Ile
1   5   10   15

Val Leu Ala Ile
            20

<210> 4132
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4132
Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Arg Glu Pro Val Thr
1   5   10   15

Lys Ala Glu Met
            20

<210> 4133
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4133
Leu Leu Gly Asp Asn Gln Ile Met Pro Lys Thr Gly Phe Leu Ile Ile
1   5   10   15

Ile Leu Ala Ile
            20

<210> 4134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4134
His Ala Glu Thr Ser Tyr Glu Lys Val Ile Asn Tyr Leu Val Met Leu
1   5   10   15

Asn Ala Arg Glu
            20

<210> 4135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4135
Asp Pro Pro Arg Phe Gln Phe Leu Trp Gly Pro Arg Ala Tyr Ala Glu
1   5   10   15

Thr Ser Lys Met
            20

<210> 4136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4136
Asp Gly Asn Gln Ser Ser Ala Trp Thr Leu Pro Arg Asn Gly Leu Leu
1   5   10   15

Met Pro Leu Leu
            20

<210> 4137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4137
Ser Ile Leu Lys Ala Asp Met Leu Lys Cys Val Arg Arg Glu Tyr Lys

1 5 10 15

Pro Tyr Phe Pro
20

<210> 4138
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4138
Asp Tyr Phe Pro Val Ile Leu Lys Arg Ala Arg Glu Phe Met Glu Leu
1 5 10 15

Leu Phe Gly Leu
20

<210> 4139
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4139
Gly Ser Ala Ala Thr Trp Gly Gln Asp Val Thr Ser Val Pro Val Thr
1 5 10 15

Arg Pro Ala Leu
20

<210> 4140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4140
Asn Val Ser Cys Asn Gln Leu Asp Thr Gly Val Pro Leu Leu Cys Glu
1 5 10 15

Ala Leu Cys Ser
20

<210> 4141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4141
Pro Leu Gly Thr Pro Met Leu Ile Glu Asp Gly Tyr Ala Val Thr Gln
1   5   10   15

Ala Glu Leu Phe
            20

<210> 4142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4142
Ala Val Thr Cys Gly Phe His His Ile His Glu Gln Ile Met Glu Tyr
1   5   10   15

Ile Arg Lys Leu
            20

<210> 4143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4143
Ala Glu Met Asp Gly Ala Ala Ala Ala Lys Gln Val Met Ala Leu Lys
1   5   10   15

Asp Thr Ile Gly
            20

<210> 4144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4144
Pro Met Val Met Gly Pro Asn Thr Val Gly Lys Ala Ser Gln Pro Ser
1   5   10   15

Phe Ser Ile Lys
            20

<210> 4145

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4145
Ala Val Phe Gln Cys Ala Gln Cys His Ala Val Leu Ala Asp Ser Val
1   5   10   15

His Leu Ala Trp
            20

<210> 4146
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4146
Gly Phe Met Ile Thr Leu Ser Thr Asp Gly Val Ile Ile Cys Val Ala
1   5   10   15

Glu Asn Ile Ser
            20

<210> 4147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4147
Ala Asp Ile Phe Ala Phe Gly Leu Thr Leu Trp Glu Met Met Thr Leu
1   5   10   15

Ser Ile Pro His
            20

<210> 4148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4148
Thr Phe Lys Leu Cys His Met Tyr Trp Asn Trp Pro Gly Thr Ile Arg
1   5   10   15

Val Pro Ala Pro
            20

<210> 4149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4149
Asn Asn Phe Thr Leu Ala Phe Ile Val Val Lys Lys Arg Ile Asn Thr
1   5   10   15

Arg Phe Phe Leu
            20

<210> 4150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4150
Ile Pro Gln His Lys Leu Ser Leu Trp Pro Gly Phe Ala Ile Ser Val
1   5   10   15

Ser Tyr Phe Glu
            20

<210> 4151
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4151
Phe Asp Glu Cys Gly Ile Thr Asp Asp Gln Leu Leu Ala Leu Leu Pro
1   5   10   15

Ser Leu Ser His
            20

<210> 4152
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4152
Ala Met Asn Phe Asp Phe Pro Phe Lys Lys Gly Ser Gly Ile Pro Leu
1   5   10   15

Leu Thr Thr Asn
20

<210> 4153
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4153
Leu Glu Glu Asp Leu Gln Ile Ala Thr Lys Thr Ile Cys Gln Leu Thr
1 5 10 15

Glu Glu Lys Glu
20

<210> 4154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4154
Ser Cys His Ser Phe Gln Ser Ala Tyr Leu Ile Val Asp Arg Asp Glu
1 5 10 15

Ala Trp Val Leu
20

<210> 4155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4155
Cys Cys Ser Leu Asp Leu Leu Met Lys Lys Ile Lys Gly Lys Asp Leu
1 5 10 15

Gln Leu Leu Glu
20

<210> 4156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4156

Lys Ala Thr Glu Tyr Leu Val Ile Ile Gly Ala Ser Glu Phe Leu Pro
1   5   10   15

Ile Tyr Leu Glu
            20

<210> 4157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4157
Gly Ser Asp Gln His Val Ala Ser His Leu Pro Leu His Pro Ile Met
1   5   10   15

His Asn Lys Pro
            20

<210> 4158
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4158
Gly Asp Thr Phe Leu Leu Leu Ile Gln Ser Leu Lys Asn Asn Leu Ile
1   5   10   15

Glu Lys Asp Pro
            20

<210> 4159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4159
Lys Ser Asp Ser Pro Lys Ser Ala Gln Lys Phe Ser Leu Ile Leu Lys
1   5   10   15

Ile Leu Ser Met
            20

<210> 4160
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4160
Asn Gln Glu Lys Leu Cys Met Leu Thr Ala Glu Leu Leu Glu Tyr Cys
1   5   10   15

Asn Ala Pro Lys
            20

<210> 4161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4161
Pro Val Trp Gly Leu Gln Leu Leu Leu Pro Leu Leu Leu Pro Ser Phe
1   5   10   15

Ile His Phe Ser
            20

<210> 4162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4162
Leu Lys Arg Leu Ser Ser Phe Ile Gly Ala Gly Ser Pro Ser Leu Val
1   5   10   15

Lys Ala Cys Asp
            20

<210> 4163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4163
Leu Ser Lys Pro Ile Phe Cys Phe Val Lys Asp Val His Pro Asp Leu
1   5   10   15

Glu Met Asn Asp
            20

<210> 4164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4164
Ser Arg Ala Ala Gln Met Ala Val Pro Ser Ser Arg Ile Leu Gln Leu
1   5   10   15

Ser Lys Pro Lys
            20

<210> 4165
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4165
Ile Ala Leu Gln Glu Lys Glu Ser Glu Ile Gln Leu Leu Lys Glu His
1   5   10   15

Leu Cys Leu Ala
            20

<210> 4166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4166
Ala Gly Cys Gln Lys Ser Glu Ala Pro Pro Ile Tyr Leu Gln Val Ser
1   5   10   15

Ser Tyr Gln His
            20

<210> 4167
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4167
Ala Leu Leu Ala Gly Leu Val Ser Leu Leu Cys Arg His Lys Arg Lys
1   5   10   15

Gln Leu Pro Glu

20

<210> 4168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4168
Pro Val Glu Thr Lys Ala His Phe Asp Ser Ser Glu Pro Gln Leu Leu
1 5 10 15

Trp Asp Cys Asp
20

<210> 4169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4169
Pro Ile Leu Pro Pro Ser Leu Gln Thr Ser Tyr Val Phe Leu Gly Ile
1 5 10 15

Val Leu Ala Leu
20

<210> 4170
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4170
Phe Glu Ser Phe Cys Gln Phe Thr His Tyr Arg Cys Ser Asn His Val
1 5 10 15

Tyr Tyr Ala Lys
20

<210> 4171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4171
Cys Asp Arg Arg Cys Leu Phe Gln Leu Glu Thr Val Ala Val Thr Gln
1 5 10 15

Met Asn Lys Cys
            20

<210> 4172
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4172
Lys Met Cys Asp Ala Asn Tyr Ala Gly Gly Val Val Leu His Pro Arg
1   5   10   15

Thr Ile Ser Leu
            20

<210> 4173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4173
Cys Ser Gln Pro Arg Cys Ile Met His Glu Gly Asn Pro Pro Ile Thr
1   5   10   15

Lys Phe Ser Asn
            20

<210> 4174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4174
Thr Leu His Arg Asn Glu Tyr Gly Ile Ala Ser Ile Leu Asp Ser Tyr
1   5   10   15

Gln Cys Thr Ala
            20

<210> 4175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4175
Asp Ile Leu Cys Pro Lys Ala Lys Arg Thr Ser Arg Phe Leu Ser Gly
1   5   10   15

Ile Ile Asn Phe
            20

<210> 4176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4176
Ala Pro Pro Trp Glu Gln Asp Tyr Arg Met Met Phe Pro Pro Pro Gly
1   5   10   15

Gln Ser Tyr Pro
            20

<210> 4177
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4177
Lys Gly Ala Lys Gly Thr Phe His Cys Asp Val Cys Met Phe Thr Ser
1   5   10   15

Ser Arg Met Ser
            20

<210> 4178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4178
Pro His Cys Arg Asp Glu Met Ala Ala Ala Arg Gly Ala Leu Lys Lys
1   5   10   15

Asn Ala Thr Met
            20

<210> 4179
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4179
Thr Lys Cys Asn Thr Leu Phe Val Val Asp Val Gln Thr Ser Gln Ile
1   5   10   15

Thr Lys Ile Pro
            20

<210> 4180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4180
Lys Val Cys Arg Asp Thr Leu Arg Asp Trp Cys Gln Gln Leu Gly Leu
1   5   10   15

Ser Thr Asn Gly
            20

<210> 4181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4181
Ser Lys Leu Ala Ala Lys Cys Leu Val Met Lys Ala Glu Met Asn Gly
1   5   10   15

Ser Lys Leu Gly
            20

<210> 4182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4182
Glu Arg Tyr Met Cys Ser Arg Phe Phe Ile Asp Phe Pro His Ile Glu
1   5   10   15

Glu Gln Gln Lys
            20

<210> 4183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4183
Trp Ala Ser Pro Gln Asn Phe Thr Ser Val Cys Glu Glu Leu Val Asn
1   5   10   15

Asn Val Glu Asp
            20

<210> 4184
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4184
Ile Asp Lys Tyr Trp Arg Glu Tyr Ile Leu Ser Leu Glu Glu Leu Val
1   5   10   15

Asn Gly Met Tyr
            20

<210> 4185
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4185
Gly Thr Ala Thr Leu Arg Leu Val Lys Arg Gln Val Pro Leu Asp Cys
1   5   10   15

Val Leu Tyr Arg
            20

<210> 4186
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4186
His Tyr Gly Leu Tyr Lys Lys Met Ile Val Phe Lys Pro Tyr Gln Ala
1   5   10   15

Ser Gln His Asp
            20

<210> 4187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4187
Gly Arg Gln Cys Val Glu His Tyr Arg Leu Leu His Arg Tyr Cys Val
1   5   10   15

Phe Ser His Asp
            20

<210> 4188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4188
Thr Gly Ala Val Gly Met Ala Cys Ala Ile Ser Ile Leu Leu Lys Asp
1   5   10   15

Leu Ala Asp Glu
            20

<210> 4189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4189
Gly Ala Ser Leu Asp Asn Phe His Phe Ile Gly Val Ser Leu Gly Ala
1   5   10   15

His Ile Ser Gly
            20

<210> 4190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4190
Leu Glu Ser Leu Phe Arg Ala Val Ile Thr Lys Lys Val Ala Asp Leu

1 5 10 15

Val Gly Phe Leu
20

<210> 4191
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4191
Ala Gln Ile Ala Cys Ser Ser Pro Ser Val Val Ala Ser Leu Pro Leu
1 5 10 15

Asp Gln Ser Asp
20

<210> 4192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4192
Leu Gly Asp Asn Gln Ile Val Pro Lys Thr Gly Leu Leu Ile Ile Val
1 5 10 15

Leu Ala Ile Ile
20

<210> 4193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4193
Tyr Leu Gln Leu Val Phe Gly Ile Glu Val Val Glu Val Val Pro Ile
1 5 10 15

Ser His Leu Tyr
20

<210> 4194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4194
Ile Gly His Leu Tyr Ile Phe Ala Thr Cys Leu Gly Leu Ser Tyr Asp
1   5   10   15

Gly Leu Leu Gly
            20

<210> 4195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4195
Ile Trp Lys Phe Met Asn Val Leu Gly Ala Tyr Asp Gly Glu Glu His
1   5   10   15

Leu Ile Tyr Gly
            20

<210> 4196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4196
Cys Ala Thr Glu Glu Lys Ile Trp Glu Phe Leu Asn Lys Met Arg Ile
1   5   10   15

Tyr Asp Gly Lys
            20

<210> 4197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4197
Arg Leu Ser Lys Asp Ala Val Lys Lys Lys Ala Cys Thr Leu Ala Gln
1   5   10   15

Phe Leu Gln Lys
            20

<210> 4198

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4198
Arg Tyr Thr Gly Tyr Phe Pro Val Ile Phe Arg Lys Ala Arg Glu Phe
1   5   10   15

Ile Glu Ile Leu
            20

<210> 4199
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4199
Ala Arg Trp Ser Phe Arg Ala Tyr Thr Ser Val Leu Tyr Phe Asn Pro
1   5   10   15

Trp Met Arg Ile
            20

<210> 4200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4200
Gln Ser Gly Ala Gly Val Pro Gly Trp Gly Ile Ala Leu Leu Val Leu
1   5   10   15

Val Cys Val Leu
            20

<210> 4201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4201
Leu Val Ala Asn Phe Glu Lys Ala Arg Arg Ala His Trp Ile Phe Leu
1   5   10   15

Gly Cys Phe Leu
            20

<210> 4202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4202
Gln Leu Asn Lys Arg Tyr Trp Tyr Ile Cys Gln Asp Phe Thr Glu Tyr
1   5   10   15

Lys Tyr Thr His
            20

<210> 4203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4203
Asp Gln Ser Ala Tyr Val Ser Ala Ile Arg Asp Cys Phe Pro Lys Leu
1   5   10   15

Leu Arg Leu Asp
            20

<210> 4204
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4204
Thr Arg Lys Asp Cys Leu Ala Lys His Leu Lys His Met Arg Arg Met
1   5   10   15

Tyr Gly Thr Ser
            20

<210> 4205
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4205
Ile Asp Thr Ser Asn Ser Glu Ala Ile Ser Ser Ser Ser Ile Pro Gln
1   5   10   15

Phe Pro Ile Thr
            20

<210> 4206
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4206
Lys Glu Leu Thr Pro Thr Ser Pro Asp Cys Leu Arg Tyr Tyr Asn Ile
1   5   10   15

Leu Phe Arg Arg
            20

<210> 4207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4207
Leu Glu Thr Trp Gly Leu His Phe Gly Ser Gln Ile Ser Leu Thr Gly
1   5   10   15

Arg Ile Val Pro
            20

<210> 4208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4208
Val Leu Pro Gly Leu Ala Tyr Leu Ala Thr Ala Asp Met Pro Ala Met
1   5   10   15

Ser Thr Arg Asp
            20

<210> 4209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4209

Met Ile Gly Tyr Ala Leu Gly Tyr Val Leu Gly Ala Pro Leu Val Lys
1   5   10   15

Val Pro Glu Asn
            20

<210> 4210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4210
Phe Val Arg Ile Thr Ala Leu Met Val Ser Cys Asn Arg Leu Trp Val
1   5   10   15

Gly Thr Gly Asn
            20

<210> 4211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4211
Lys Lys Leu Trp Asp Thr Phe His Val Pro Val Phe Thr Leu Val Asp
1   5   10   15

Ala Asp Pro His
            20

<210> 4212
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4212
Glu Asp Val Pro Leu Ala Ala Lys Leu Val Asp Leu Pro Cys Val Ile
1   5   10   15

Glu Ser Leu Arg
            20

<210> 4213
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4213
Gly Tyr Val Asp Tyr Gly Asn Phe Glu Ile Leu Ser Leu Met Arg Leu
1   5   10   15

Cys Pro Ile Ile
            20

<210> 4214
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4214
Gln Asp Thr Leu Gln Leu Leu Val Met Thr Lys Cys Arg Leu Glu His
1   5   10   15

Glu Leu Ala Ile
            20

<210> 4215
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4215
Ala Phe Cys Glu Leu Gln Thr Tyr His Asp Gln Leu Val Glu Leu Leu
1   5   10   15

Glu Glu Thr Lys
            20

<210> 4216
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4216
Ile Lys Leu Leu Arg Asn Ile Pro Arg Trp Thr His Leu Leu Arg Leu
1   5   10   15

Leu Arg Leu Ile
            20

<210> 4217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4217
Trp Val Leu Thr Val Ala His Cys Leu Ile Trp Arg Asp Val Ile Tyr
1   5   10   15

Ser Val Arg Val
            20

<210> 4218
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4218
Ser Thr Pro Met Phe Asn Asp Ile Asn Ile Tyr Asp Leu Phe Val Trp
1   5   10   15

Met His Tyr Tyr
            20

<210> 4219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4219
Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys Leu
1   5   10   15

Ser His Leu Gln
            20

<210> 4220
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4220
His Asp Gly Cys Glu Arg Arg Leu Asn Leu Asn Ser Asn Glu Phe Thr
1   5   10   15

His Gln Lys Ser

20

<210> 4221
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4221
Val Glu Ser Thr Pro Met Ile Met Glu Asn Ile Gln Glu Leu Ile Arg
1 5 10 15

Ser Ala Gln Glu
20

<210> 4222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4222
Leu Asn Trp Glu Gly Val Gln Tyr Leu Trp Ser Phe Val Leu Glu Asn
1 5 10 15

His Arg Arg Glu
20

<210> 4223
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4223
Asp Glu Val Ser Phe Tyr Ala Asn Arg Leu Thr Asn Leu Val Ile Ala
1 5 10 15

Met Ala Arg Lys
20

<210> 4224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4224
Ile Asp Asp Leu Ser Phe Tyr Val Asn Arg Leu Ser Ser Leu Val Ile
1 5 10 15

Gln Met Ala His
            20

<210> 4225
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4225
Arg Thr Lys Lys Glu Leu Ala Ser Ala Leu Lys Ser Ala Leu Ser Gly
1   5   10   15

His Leu Glu Thr
            20

<210> 4226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4226
Pro Ser Asn Ile Asn Gln Phe Ala Ala Ala Tyr Phe Gln Glu Leu Thr
1   5   10   15

Met Tyr Arg Gly
            20

<210> 4227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4227
Ser Pro Ala Ser Glu Leu Ile Ala Ile Gln Asp Ser His Ser Leu Gly
1   5   10   15

Ser Ser Lys Ser
            20

<210> 4228
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4228
Glu Gly Lys Asp Pro Ala Phe Thr Ala Leu Leu Thr Thr Gln Leu Gln
1   5   10   15

Val Gln Arg Glu
            20

<210> 4229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4229
Phe Ala Val Leu Phe Phe Leu Trp Arg Ser Phe Arg Ser Val Arg Ser
1   5   10   15

Arg Leu Tyr Val
            20

<210> 4230
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4230
Lys Lys Asn Ala Thr Met Leu Tyr Thr Ala Ser Gln Ala Phe Leu Arg
1   5   10   15

His Pro Asp Val
            20

<210> 4231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4231
Asn Glu Asp Asn Ile Tyr Ile Ser Asn Ser Ile Tyr Phe Ser Ile Ala
1   5   10   15

Ile Val Ser Glu
            20

<210> 4232
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4232
Ser Arg Val Leu His Gly Tyr Ala Ala Gln Gln Leu Pro Ser Leu Leu
1   5   10   15

Lys Glu Arg Glu
            20

<210> 4233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4233
Asn Leu Leu Arg Gly Ile Asp Ser Leu Phe Ser Ala Pro Met Asp Phe
1   5   10   15

Arg Gly Leu Pro
            20

<210> 4234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4234
Ile Ala Glu Arg Gln Arg Val Met Ala Ala Gln Val Ala Leu Arg Arg
1   5   10   15

Gln Gln Ala Gln
            20

<210> 4235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4235
Lys Arg Asp Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met Ala Arg
1   5   10   15

Trp Arg Gly Pro
            20

<210> 4236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4236
Glu His Leu Glu Val Lys Phe Met Asn Pro Tyr Asn Ala Val Leu Thr
1   5   10   15

Lys Lys Phe Gln
            20

<210> 4237
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4237
Ile Ser Asp Thr Lys Asp Tyr Phe Met Ser Lys Thr Leu Gly Ile Gly
1   5   10   15

Arg Leu Lys Arg
            20

<210> 4238
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4238
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Tyr
1   5   10   15

Val Glu Pro Pro
            20

<210> 4239
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4239
Ser Arg Gly Lys Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val
1   5   10   15

Gln Pro Pro Glu
            20

<210> 4240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4240
Trp Arg Gly Arg Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg Tyr Val
1   5   10   15

Gln Pro Pro Glu
            20

<210> 4241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4241
Ala Leu Ser Arg His Met Ser Ser Leu Ser His Ile Ser Pro Phe Ser
1   5   10   15

His Ser Ser His
            20

<210> 4242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4242
Asp Gly Gly Asn Lys His Phe Leu Arg Asn Gln Pro Leu Thr Phe Ala
1   5   10   15

Leu Gln Leu His
            20

<210> 4243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4243
Lys Lys Val Asn Phe Leu Asp Met Ser Leu Asp Asp Ile Ile Ile Tyr

1 5 10 15

Lys Glu Leu Glu
20

<210> 4244
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4244
Ile Gln Asn His Asp Ile Met His Ala Ile Ile Ser Pro Leu Arg Ser
1 5 10 15

Ala Asn Thr Val
20

<210> 4245
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4245
Pro Asp Ser Arg Leu Leu Gln Leu His Ile Thr Met Pro Phe Ser Ser
1 5 10 15

Pro Met Glu Ala
20

<210> 4246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4246
Gln Arg Asn Val Ala Ile Met Lys Ser Ile Ile Pro Ala Ile Val His
1 5 10 15

Tyr Ser Pro Asp
20

<210> 4247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4247
Val Lys Val Leu Glu Tyr Val Ile Lys Val Ser Ala Arg Val Arg Phe
1   5   10   15

Phe Phe Pro Ser
            20

<210> 4248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4248
Asp Pro Thr Ser His Ser Tyr Val Leu Val Thr Ser Leu Asn Leu Ser
1   5   10   15

Tyr Asp Gly Ile
            20

<210> 4249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4249
Gly Arg Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Met Gln
1   5   10   15

Asp Leu Val Gln
            20

<210> 4250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4250
Phe Pro Val Ile Phe Ser Lys Ala Ser Ser Ser Leu Gln Leu Val Phe
1   5   10   15

Gly Ile Glu Leu
            20

<210> 4251

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4251
Val Asn Ala Arg Val Arg Ile Ala Tyr Pro Ser Leu Arg Glu Ala Ala
1   5   10   15

Leu Leu Glu Glu
            20

<210> 4252
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4252
Lys Lys Leu Leu Thr Gln Tyr Phe Val Gln Glu Asn Tyr Leu Glu Tyr
1   5   10   15

Arg Gln Val Pro
            20

<210> 4253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4253
Arg Ala Pro Glu Glu Ala Ile Trp Glu Ala Leu Ser Val Met Gly Leu
1   5   10   15

Tyr Asp Gly Arg
            20

<210> 4254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4254
Pro Ala Gln Leu Glu Phe Met Phe Gln Glu Ala Leu Lys Leu Lys Val
1   5   10   15

Ala Glu Leu Val
            20

<210> 4255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4255
Ser Ser Asp Pro Pro Arg Phe Gln Phe Leu Trp Gly Pro Arg Ala Tyr
1   5   10   15

Ala Glu Thr Ser
            20

<210> 4256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4256
Leu Ile Met Lys Thr Asn Met Leu Val Gln Phe Leu Met Glu Met Tyr
1   5   10   15

Lys Met Lys Lys
            20

<210> 4257
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4257
Arg Pro Val Ser Ser Phe Phe Ser Tyr Thr Leu Ala Ser Leu Leu Gln
1   5   10   15

Ser Ser His Glu
            20

<210> 4258
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4258
Ala Thr Val Met Ala Ser Glu Ser Leu Ser Val Met Ser Ser Asn Val
1   5   10   15

Ser Phe Ser Glu
            20

<210> 4259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4259
Glu Ile Tyr Asn Glu Tyr Ile Tyr Asp Leu Phe Val Pro Val Ser Ser
1   5   10   15

Lys Phe Gln Lys
            20

<210> 4260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4260
Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu Gln Phe
1   5   10   15

Asn Ser Ser Leu
            20

<210> 4261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4261
Glu Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn Ser Tyr
1   5   10   15

Pro Tyr Tyr Pro
            20

<210> 4262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4262

Ser Leu Leu Arg Lys Lys Met Leu Pro Glu Ala Ser Leu Leu Ile Ala
1   5   10   15

Ile Lys Pro Val
            20

<210> 4263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4263
Ile Glu Arg Leu Ile Tyr Leu Tyr His Lys Phe His Gln Leu Lys Val
1   5   10   15

Ser Asn Glu Glu
            20

<210> 4264
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4264
Ala Asp Lys Asp Leu Tyr Val Ala Glu Ala Leu Ser Thr Leu Glu Ser
1   5   10   15

Trp Arg Ser Arg
            20

<210> 4265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4265
Asn Ser Pro Leu Pro Phe Gln Trp Arg Ile Thr His Ser Phe Arg Trp
1   5   10   15

Met Ala Gln Val
            20

<210> 4266
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4266
Met Gly Phe Leu Arg Arg Leu Ile Tyr Arg Arg Arg Pro Met Ile Tyr
1   5   10   15

Val Glu Ser Ser
            20

<210> 4267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4267
Gly Pro Asp Met Glu Ala Phe Gln Gln Glu Leu Ala Leu Leu Lys Ile
1   5   10   15

Glu Asp Glu Pro
            20

<210> 4268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4268
Arg Gly Asp Gly Gln Glu Ala Pro Asp Val Val Ala Phe Val Ala Pro
1   5   10   15

Gly Glu Ser Gln
            20

<210> 4269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4269
Gly Thr Asp Val Glu Ala Phe Gln Gln Glu Leu Ala Leu Leu Lys Ile
1   5   10   15

Glu Asp Ala Pro
            20

<210> 4270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4270
Lys Asn Thr Pro Gly Ile Tyr Thr Ser Leu Val Asn Tyr Asn Leu Trp
1   5   10   15

Ile Glu Lys Val
            20

<210> 4271
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4271
Ser Asn Pro Ile Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu
1   5   10   15

Glu Arg Ala Phe
            20

<210> 4272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4272
Gly Ser Thr Gly Phe Ser Ser Arg Leu Ala Ala Thr Gln Asp Leu Pro
1   5   10   15

Phe Ile His Gln
            20

<210> 4273
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4273
Lys Asp Ser Ile Thr Val Phe Val Ser Asn Leu Pro Tyr Ser Met Gln
1   5   10   15

Glu Pro Asp Thr

20

<210> 4274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4274
Lys Leu Asn Gln Glu Tyr Ser Gln Gln Phe Leu Thr Leu Phe Gln Gln
1 5 10 15

Trp Asp Leu Asp
20

<210> 4275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4275
Thr Ser Glu Leu Lys Thr Glu Gly Val Ser Pro Tyr Leu Met Leu Ile
1 5 10 15

Arg Leu Arg Lys
20

<210> 4276
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4276
Lys Glu Arg Gln Leu Ser Thr Met Ile Thr Gln Leu Ile Ser Leu Arg
1 5 10 15

Glu Gln Leu Leu
20

<210> 4277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4277
Pro Asp Asn Ile Pro Ala Phe Ala Ala Ala Tyr Phe Glu Ser Leu Leu
1 5 10 15

Glu Lys Arg Glu
            20

<210> 4278
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4278
Lys Lys Met Lys Thr Ser Glu Ser Ser Thr Ile Leu Val Val Arg Tyr
1   5   10   15

Arg Arg Asn Val
            20

<210> 4279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4279
Thr Arg Ile Gln Phe Ile Arg Trp Ser His Thr Arg Ile Phe Gln Val
1   5   10   15

Pro Ser Glu Met
            20

<210> 4280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4280
Ala Glu Ile Gln Ala Leu Thr Phe Leu Ser Ser Asp Tyr Leu Ser Arg
1   5   10   15

Val Tyr Leu Pro
            20

<210> 4281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4281
Val Glu Arg Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile Ser Pro
1   5   10   15

Lys Ile Met Pro
            20

<210> 4282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4282
Gln Arg Pro Gln Met Thr Phe Gly Arg Leu Gln Gly Ile Phe Pro Lys
1   5   10   15

Ile Met Pro Lys
            20

<210> 4283
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4283
Glu Phe Glu Glu Thr Ala Lys Lys Val Arg Arg Ala Ile Glu Gln Leu
1   5   10   15

Ala Ala Met Asp
            20

<210> 4284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4284
Leu Phe Leu Arg Ser Gln Glu Ala Ala Ala Thr Val Gln Leu Phe Gln
1   5   10   15

Glu Glu His Arg
            20

<210> 4285
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4285
Glu Ser Gly Gln Tyr Arg Ala Asn Glu Gly Thr Ser Ser Ile Val Met
1   5   10   15

Glu Ile Gln Lys
            20

<210> 4286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4286
Ser Ser Glu Val Leu Glu Tyr Met Asn Gln Leu Ser Ala Ser Leu Lys
1   5   10   15

Glu Thr Tyr Ala
            20

<210> 4287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4287
Gly Lys Ile Asn Gln Asn Tyr Ala Ser Ile Ile Thr Glu Ala Phe Pro
1   5   10   15

Lys Pro Lys Asp
            20

<210> 4288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4288
Val Ser Arg Ala Ala Gln Met Ala Val Pro Ser Ser Arg Ile Leu Gln
1   5   10   15

Leu Ser Lys Pro
            20

<210> 4289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4289
Asp Leu Asp Leu Thr Tyr Val Thr Glu Arg Ile Ile Ala Met Ser Phe
1   5   10   15

Pro Ser Ser Gly
            20

<210> 4290
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4290
Glu Glu Leu Gln Lys Val Gln Phe Glu Lys Val Ser Ala Leu Ala Asp
1   5   10   15

Leu Ser Ser Thr
            20

<210> 4291
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4291
His Asn Arg Glu Ser Tyr Met Val Pro Phe Ile Pro Leu Tyr Arg Asn
1   5   10   15

Gly Asp Phe Phe
            20

<210> 4292
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4292
Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys
1   5   10   15

Ile Ile Pro Lys
            20

<210> 4293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4293
Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Val Leu Gly
1   5   10   15

Arg Glu Met Arg
            20

<210> 4294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4294
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser
1   5   10   15

Leu Gln Pro Pro
            20

<210> 4295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4295
Met Ile Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser
1   5   10   15

Val Pro Pro Pro
            20

<210> 4296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4296
Ser His Lys Thr Pro Phe Val Ser Pro Leu Leu Ala Ser Gln Ser Leu

1 5 10 15

Ser Ile Gly Asn
20

<210> 4297
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4297
Arg Ile Val Glu Ile Val Val Val Ile Asp Asn Tyr Leu Tyr Ile Arg
1 5 10 15

Tyr Glu Arg Asn
20

<210> 4298
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4298
Ser Thr Pro Pro Ser Ala Tyr Gly Ser Val Lys Ala Tyr Thr Asn Phe
1 5 10 15

Asp Ala Glu Arg
20

<210> 4299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4299
Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser
1 5 10 15

Trp Arg Leu Glu
20

<210> 4300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4300
Ala Lys Tyr Ser Ser Val Tyr Met Glu Ala Glu Ala Thr Ala Leu Leu
1   5   10   15

Ser Asp Thr Ser
            20

<210> 4301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4301
Glu Asn His Pro Lys Ser Met Thr Met Met Pro Ala Leu Phe Lys Glu
1   5   10   15

Asn Arg Asn Asp
            20

<210> 4302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4302
Ala Thr Ala Gln Leu Gln Arg Thr Pro Met Ser Ala Leu Val Phe Pro
1   5   10   15

Asn Lys Ile Ser
            20

<210> 4303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4303
Ala Leu Lys Lys Leu Ile His Ala Ala Lys Leu Asn Ala Ser Leu Lys
1   5   10   15

Thr Leu Glu Gly
            20

<210> 4304

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4304
Asn Thr Gly Glu Met Ser Ser Asn Ser Thr Ala Leu Ala Leu Val Arg
1   5   10   15

Pro Ser Ser Ser
            20

<210> 4305
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4305
Gly Gln Gly Ser Leu Leu Phe Tyr Asp Ile Arg Ala Gln Arg Phe Leu
1   5   10   15

Glu Glu Arg Leu
            20

<210> 4306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4306
Thr Glu Leu His Pro Arg Val Ala Phe Trp Ile Ile Lys Leu Pro Arg
1   5   10   15

Arg Arg Ser His
            20

<210> 4307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4307
Ser Asp Ser Thr Tyr Tyr Ser Ser Phe Tyr Gln Pro Ser Leu Phe Pro
1   5   10   15

Tyr Tyr Asn Asn
            20

<210> 4308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4308
Gly Lys Lys Ile Glu Val Tyr Leu Arg Leu His Arg His Ala Tyr Pro
1   5   10   15

Glu Gln Arg Gln
            20

<210> 4309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4309
Glu Lys Glu Lys Asp Val Arg Ser Leu Ser Lys Lys Arg Lys Lys Ser
1   5   10   15

Tyr Pro Asp Asp
            20

<210> 4310
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4310
Arg Arg Gln Phe Glu Phe Ser Val Asp Ser Phe Gln Ile Val Leu Asp
1   5   10   15

Pro Met Leu Asp
            20

<210> 4311
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4311
Glu Val Met Arg Arg Gln Leu Tyr Ala Val Asn Arg Arg Leu Arg Ala
1   5   10   15

Leu Glu Glu Gln
            20

<210> 4312
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4312
Asn Leu Lys Val Asn Phe Phe Phe Glu Arg Ile Met Lys Tyr Glu Arg
1   5   10   15

Leu Ala Arg Ile
            20

<210> 4313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4313
Lys Leu Gln Glu Leu Ser Ala Ala Ser Pro Thr Ile Ser Ser Phe Ser
1   5   10   15

Pro Arg Leu Glu
            20

<210> 4314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4314
Gly Trp Glu Ser Gly Leu Val Ala Met Glu Ser Ala Phe His Leu Glu
1   5   10   15

Lys Asn Val Asn
            20

<210> 4315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4315

Glu Glu Met Arg Ser His Tyr Val Ala Gln Thr Gly Ile Leu Trp Leu
1   5   10   15

Leu Met Asn Asn
            20

<210> 4316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4316
Met Asn Leu Ser Arg Gly Lys Ser Thr Tyr Tyr Trp Pro Arg Pro Arg
1   5   10   15

Arg Tyr Val Gln
            20

<210> 4317
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4317
Met Ser Trp Arg Gly Arg Ser Thr Tyr Tyr Trp Pro Arg Pro Arg Arg
1   5   10   15

Tyr Val Gln Pro
            20

<210> 4318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4318
Glu Lys Phe Lys Lys Ala Met Thr Ile Gly Asp Val Ser Leu Val Gln
1   5   10   15

Glu Leu Leu Asp
            20

<210> 4319
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4319
Lys Pro His Arg Ile Arg Met Thr His Asn Leu Leu Leu Asn Tyr Gly
1   5   10   15

Leu Tyr Arg Lys
            20

<210> 4320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4320
Met Ala Ser Phe Arg Lys Leu Thr Leu Ser Glu Lys Val Pro Pro Asn
1   5   10   15

His Pro Ser Arg
            20

<210> 4321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4321
Pro Ile Arg Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys
1   5   10   15

Pro Leu Pro Pro
            20

<210> 4322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4322
Tyr Glu Asn Asp Ile Ala Ser Met Asn Leu Gln Ala His Leu Ile Pro
1   5   10   15

Gly Leu Asn Leu
            20

<210> 4323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4323
Ala Thr Val Leu Thr Asn Met Ala Met Gln Glu Pro Leu Arg Leu Asn
1   5   10   15

Ile Gln Asn His
            20

<210> 4324
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4324
Gly Ala Val Leu Lys Asp Phe Thr Val Ser Gly Asn Leu Leu Phe Met
1   5   10   15

Ser Val Arg Asp
            20

<210> 4325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4325
Ala Gln Phe Tyr Asn Asp Phe Val Asn Ile Ser Ser Ile Gly Leu Thr
1   5   10   15

Tyr Phe Gln Ser
            20

<210> 4326
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4326
Val Ser Ala Arg Val Arg Phe Phe Phe Pro Ser Leu Arg Glu Ala Ala
1   5   10   15

Leu Arg Glu Glu

20

<210> 4327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4327
Glu Ser Val Ile Arg Asn Tyr Glu Asp His Phe Pro Leu Leu Phe Ser
1 5 10 15

Glu Ala Ser Glu
20

<210> 4328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4328
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Ile Ser Arg Lys Met Val
1 5 10 15

Glu Leu Val His
20

<210> 4329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4329
Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala
1 5 10 15

Ser Ser Ser Leu
20

<210> 4330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4330
Val Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala
1 5 10 15

Ser Asp Ser Leu
            20

<210> 4331
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4331
Asp Gly Arg Glu His Ser Val Tyr Trp Lys Leu Arg Lys Leu Leu Thr
1   5   10   15

Gln Glu Trp Val
            20

<210> 4332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4332
Ala His Ala Glu Thr Ser Tyr Glu Lys Val Ile Asn Tyr Leu Val Met
1   5   10   15

Leu Asn Ala Arg
            20

<210> 4333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4333
Thr Glu Glu Glu Ile Trp Lys Phe Met Asn Val Leu Gly Ala Tyr Asp
1   5   10   15

Gly Glu Glu His
            20

<210> 4334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4334
Thr Asn Lys Lys Lys Val Ser Phe Ser Ser Pro Leu Ile Leu Gly Ala
1   5   10   15

Thr Ile Gln Lys
            20

<210> 4335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4335
Val Ala Ala Arg Arg Gly Thr Thr Ala Met Thr Ser Ala Tyr Ser Arg
1   5   10   15

Ala Thr Ser Ser
            20

<210> 4336
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4336
Pro Gln Ile Leu Asn Arg Thr Ser Gln His Leu Val Val Ala Phe Gly
1   5   10   15

Val Glu Leu Lys
            20

<210> 4337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4337
Asn Pro Ala Ser Ser Phe Phe Ser Ser Ala Leu Leu Ser Ile Phe Gln
1   5   10   15

Ser Ser Pro Glu
            20

<210> 4338
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4338
Ser Ser Ala Ser Ser Thr Leu Tyr Leu Val Phe Ser Pro Ser Ser Phe
1   5   10   15

Ser Thr Ser Ser
            20

<210> 4339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4339
Arg Ser Gln Ala Gly Met Phe Ile Tyr Ser Asn Asn Arg Leu Ile Lys
1   5   10   15

Met His Glu Lys
            20

<210> 4340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4340
Tyr Glu Gln Ala Asn Leu Asn Met Ala Asn Ser Ile Lys Phe Ser Val
1   5   10   15

Trp Val Ser Phe
            20

<210> 4341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4341
Pro Gln Lys Arg Ser Arg Ala Ala Phe Ser His Thr Gln Val Ile Glu
1   5   10   15

Leu Glu Arg Lys
            20

<210> 4342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4342
Gly Ile Asn Asn Val Ser Phe Ser Gly Gln Ser Val Leu Leu Phe Glu
1   5   10   15

Val Leu Phe Tyr
            20

<210> 4343
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4343
Lys Arg Ala Ser Gln Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu
1   5   10   15

Asn Thr Met Leu
            20

<210> 4344
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4344
Trp Thr Leu Ser Arg Phe Phe Ser Tyr Leu Arg Ser Trp Asp Val Asp
1   5   10   15

Asp Leu Leu Leu
            20

<210> 4345
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4345
Gly Asp Gly Pro Tyr Ser Thr Phe Leu Thr Ser Ser Pro Ile Arg Ser
1   5   10   15

Arg Ser Pro Pro
            20

<210> 4346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4346
Asn Asp Gln Glu Ser Ser Gln Pro Val Gly Ser Val Ile Val Gln Glu
1   5   10   15

Pro Thr Glu Glu
            20

<210> 4347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4347
Met Ser Ala Arg Val Arg Ser Arg Ser Arg Gly Arg Gly Asp Gly Gln
1   5   10   15

Glu Ala Pro Asp
            20

<210> 4348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4348
Arg Gly Asn Asp Gln Glu Ser Ser Gln Pro Val Gly Pro Val Ile Val
1   5   10   15

Gln Gln Pro Thr
            20

<210> 4349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4349
Asn His Pro Val Arg Phe Leu Gln Ala Gln Pro Ile Val Pro Val Gln

1 5 10 15

Arg Ala Ala Glu
20

<210> 4350
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4350
Leu Val Gly Arg Asn Phe Tyr Asp Pro Thr Ser Ala Met Val Leu Gln
1 5 10 15

Gln His Arg Leu
20

<210> 4351
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4351
Thr Lys Phe Lys Gln Ser Arg Ala Met Asn Phe Asp Phe Pro Phe Lys
1 5 10 15

Lys Gly Ser Gly
20

<210> 4352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4352
Gln Leu Glu Pro Asp Tyr Phe Lys Asp Met Thr Pro Thr Ile Arg Lys
1 5 10 15

Thr Gln Lys Ile
20

<210> 4353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4353
Lys Glu Leu Glu Glu Leu Arg Ala Ala Phe Thr Arg Ala Leu Glu Tyr
1   5   10   15

Leu Lys Gln Glu
            20

<210> 4354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4354
Asn Asn Asn Ile Glu Lys Met Ile Thr Ala Phe Glu Glu Leu Arg Val
1   5   10   15

Gln Ala Glu Asn
            20

<210> 4355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4355
Met Glu Thr Gln Gln Gln Glu Ile Ala Ser Val Arg Lys Ser Leu Gln
1   5   10   15

Ser Met Leu Phe
            20

<210> 4356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4356
Glu Ile Ser Ile Leu Gln Glu Gln Ile Ser His Leu Gln Phe Val Ile
1   5   10   15

His Ser Gln His
            20

<210> 4357

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4357
Lys Glu Glu Val Ala Ala Val Lys Ile Gln Ala Ala Phe Arg Gly His
1   5   10   15

Ile Ala Arg Glu
            20

<210> 4358
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4358
Glu Lys Asp Pro Ser Leu Val Tyr Gln His Leu Leu Tyr Leu Ser Lys
1   5   10   15

Ala Glu Arg Phe
            20

<210> 4359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4359
Asn Pro Leu Gln Met Glu Glu Glu Glu Phe Met Glu Ile Met Val Glu
1   5   10   15

Ile Pro Ala Lys
            20

<210> 4360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4360
Glu Lys Ile Ser Tyr Val Tyr Met Lys Arg Asn Tyr Lys Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 4361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4361
Glu Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Phe Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 4362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4362
Glu Lys Ile Val Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 4363
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4363
Val Glu Arg Pro Gln Met Thr Phe Gly Ser Leu Gln Arg Ile Phe Pro
1   5   10   15

Lys Ile Met Pro
            20

<210> 4364
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4364
Glu Lys Ile Ile Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 4365
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4365
Glu Pro Arg Val Glu Val Leu Ile Asn Arg Ile Asn Glu Val Gln Gln
1   5   10   15

Ala Lys Lys Lys
            20

<210> 4366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4366
Asn Leu Thr Leu Lys Asn His Phe Gln Ser Val Leu Glu Gln Leu Glu
1   5   10   15

Leu Gln Glu Lys
            20

<210> 4367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4367
Trp Ala Glu Arg Ile Met Phe Ser Asp Leu Arg Ser Leu Gln Leu Lys
1   5   10   15

Lys Thr Met Glu
            20

<210> 4368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4368

Thr Leu Gln Glu Ile Phe Gln Ala Glu Asn Thr Ile Met Leu Leu Glu
1   5   10   15

Arg Ser Ile Met
            20

<210> 4369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4369
Thr Leu Val Glu Leu Gln Met Met Met Glu Thr Ile Gln Phe Ile Glu
1   5   10   15

Asn Lys Lys Arg
            20

<210> 4370
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4370
Val Thr Lys Lys Val Val Ala Ser Pro Arg Ile Ile Ser Leu Ala Lys
1   5   10   15

Pro Lys Val Arg
            20

<210> 4371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4371
Val Ile Met His Ser Arg Tyr Arg Ala Gln Arg Phe Trp Ser Trp Val
1   5   10   15

Gly Gln Ala Asn
            20

<210> 4372
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4372
Asp Glu Asp Glu Asp Met Leu Ser Tyr Met Val Ser Leu Glu Val Gly
1   5   10   15

Glu Glu Lys His
            20

<210> 4373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4373
Val Ala Lys Lys Gly Lys Ala Val Arg Arg Gly Arg Arg Gly Lys Lys
1   5   10   15

Gly Ala Ala Thr
            20

<210> 4374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4374
Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser
1   5   10   15

Arg Gln Lys Lys
            20

<210> 4375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4375
Pro Arg Arg Ser Leu Gln Pro Pro Glu Leu Ile Gly Ala Met Leu Glu
1   5   10   15

Pro Thr Asp Glu
            20

<210> 4376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4376
Lys Ser Phe Lys Ser Pro Lys Leu Ala Lys His Ala Ala Val Phe Ser
1   5   10   15

Gly Asp Lys Thr
            20

<210> 4377
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4377
Ile Lys Val Lys Lys Leu Leu Phe Ser Lys His Leu Pro Val Phe Thr
1   5   10   15

Tyr Thr Asp Gln
            20

<210> 4378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4378
Ser Gly Glu Lys Asn Ile Phe Leu Ala Ser Phe Val His Glu Tyr Ser
1   5   10   15

Arg Arg His Pro
            20

<210> 4379
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4379
Ser Glu Gly Ile Met Thr Tyr Ala Asn Ser Val Val Ser Asp Met Met
1   5   10   15

Val Ser Ile Met

20

<210> 4380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4380
Asp Gln Val Asn Ile Asp Tyr Leu Met Asn Arg Pro Gln Asn Leu Arg
1 5 10 15

Leu Glu Met Thr
20

<210> 4381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4381
Arg Asp Lys Val Leu Ile Arg Ile Met Val Ser Arg Ser Glu Val Asp
1 5 10 15

Met Leu Lys Ile
20

<210> 4382
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4382
Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser Trp Arg Leu
1 5 10 15

Glu Pro Glu Asp
20

<210> 4383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4383
Gln Ala Asp Ile Glu Val Met Ser Thr Val His Ile Ser Ser Val Tyr
1 5 10 15

Asn Asp Val Pro
            20

<210> 4384
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4384
Ser Arg Leu Glu Lys Leu Leu Thr Gln Val Arg Asn Leu Gln Phe Met
1   5   10   15

Ser Glu Asn Glu
            20

<210> 4385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4385
Gln Thr Thr Gln Asn Gly Arg Phe Tyr Ala Ile Ser Ala Arg Phe Lys
1   5   10   15

Pro Phe Ser Asn
            20

<210> 4386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4386
Thr Val Phe Gly Glu Lys Ser Val Ile Thr Leu Ser Ser Ile Phe Thr
1   5   10   15

Lys Asp Leu Val
            20

<210> 4387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4387
Gly Gln Lys Tyr Glu Lys Ile Phe Glu Met Leu Glu Gly Val Gln Gly
1   5   10   15

Pro Thr Ala Val
            20

<210> 4388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4388
Gly Asn Asn Phe Ile Gln Asn Phe Tyr Leu Pro Gln Asn Tyr Ile Asp
1   5   10   15

Gln Phe Leu Leu
            20

<210> 4389
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4389
Thr Glu Arg Leu Leu Lys Met Lys Asp Trp Ala Ala Met Leu Gly Glu
1   5   10   15

Asp Ile Thr Asp
            20

<210> 4390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4390
Ser Val Lys Arg Gly Thr Met Val Arg Ala Ala Arg Ala Leu Leu Ser
1   5   10   15

Ala Val Thr Arg
            20

<210> 4391
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4391
Arg Asn Gly Val Ile Asp Tyr Thr Ile Phe Phe Thr Leu Asp Ser Val
1   5   10   15

Lys Leu Pro Asp
            20

<210> 4392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4392
Val Lys Arg Ser Leu Val Tyr Tyr Leu Lys Asn Arg Glu Val Arg Leu
1   5   10   15

Gln Asn Glu Thr
            20

<210> 4393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4393
Pro Gly Gln Thr Leu Ile Tyr Tyr Val Asp Glu Lys Ala Pro Glu Phe
1   5   10   15

Ser Met Gln Gly
            20

<210> 4394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4394
Asn Arg Val Ala Tyr Met Asn Pro Ile Ala Met Ala Arg Trp Arg Gly
1   5   10   15

Pro Thr Gln Ser
            20

<210> 4395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4395
Lys Asn Leu Glu Leu Lys Phe Val Ser Ser Leu Arg Arg Gln Phe Glu
1   5   10   15

Phe Ser Val Asp
            20

<210> 4396
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4396
Gly Glu Asn Gln Glu His Leu Val Ile Ala Glu Met Met Glu Leu Gly
1   5   10   15

Ser Arg Ser Arg
            20

<210> 4397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4397
Ser Pro Gln Phe Lys Lys Thr Met Ser Thr Phe His Asn Leu Val Ser
1   5   10   15

Leu Asn Leu Asn
            20

<210> 4398
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4398
Arg Pro Gly Ser Arg Ser Ser Asn Ala Ser Leu Glu Val Leu Ser Thr
1   5   10   15

Glu Pro Gly Ser
            20

<210> 4399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4399
Asp Asp Val Ala Leu Glu Asn Phe Phe Arg Tyr Phe Leu Arg Leu Ser
1   5   10   15

Asp Asp Lys Met
            20

<210> 4400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4400
Glu Lys Asp His Ile Phe Ser Ser Tyr Thr Ala Phe Gly Asp Leu Glu
1   5   10   15

Val Phe Leu His
            20

<210> 4401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4401
Glu Gln Leu Leu Gln Ser Ala Ser Met Glu Leu Lys Phe Leu Ile Ile
1   5   10   15

Gln Asn Ala Ala
            20

<210> 4402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4402
Thr Leu Ile Gly Ala Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro

1 5 10 15

Gly Ser Gln Lys
20

<210> 4403
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4403
Ala Thr Gln Arg Asp Leu Ile Ala Thr Gln Arg Asp Leu Ile Val Thr
1 5 10 15

Gln Arg Asp Leu
20

<210> 4404
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4404
Trp Ala Ile Gly Leu Ser Val Met Asp Leu Val Gly Ser Ile Leu Lys
1 5 10 15

Asn Leu Arg Arg
20

<210> 4405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4405
Ser Glu Glu Leu Asn Ile Ile Leu Gln Gly Asn Ile Ile Leu Ser Thr
1 5 10 15

Glu Lys Ser Lys
20

<210> 4406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4406
Arg Ala Leu Ala Glu Thr Ser Tyr Val Lys Val Leu Glu Tyr Val Ile
1   5   10   15

Lys Val Ser Ala
            20

<210> 4407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4407
Asp Gly Met Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 4408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4408
Tyr Ala Gly Arg Glu His Phe Leu Phe Gly Glu Pro Lys Arg Leu Leu
1   5   10   15

Thr Gln Asn Trp
            20

<210> 4409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4409
Pro Asp Leu Glu Thr Ser Phe Gln Val Ala Leu Ser Arg Lys Met Ala
1   5   10   15

Glu Leu Val His
            20

<210> 4410

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4410
Pro Gln Gly Ala Ser Ser Phe Ser Thr Thr Ile Asn Tyr Thr Leu Trp
1   5   10   15

Arg Gln Ser Asp
            20

<210> 4411
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4411
Glu Thr Ser Tyr Val Lys Val Leu Glu His Val Val Arg Val Asn Ala
1   5   10   15

Arg Val Arg Ile
            20

<210> 4412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4412
Glu Ala Leu Asp Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu Arg
1   5   10   15

Lys Tyr Gln Ile
            20

<210> 4413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4413
Asn Ser Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala Tyr
1   5   10   15

Ala Glu Thr Thr
            20

<210> 4414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4414
Phe Pro Glu Ile Leu Lys Lys Ala Ser Glu Gly Leu Ser Val Val Phe
1   5   10   15

Gly Leu Glu Leu
            20

<210> 4415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4415
Tyr Asp Gly Lys Lys His Phe Ile Phe Gly Glu Pro Arg Lys Leu Ile
1   5   10   15

Thr Gln Asp Leu
            20

<210> 4416
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4416
Ser Ser Ser Val Leu Arg Asp Thr Ala Ser Ser Ser Leu Ala Phe Gly
1   5   10   15

Ile Pro Gln Glu
            20

<210> 4417
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4417
Ala Asp Ile Lys Lys Gln Ala Glu Ile Ala His Leu Tyr Ile Ala Ser
1   5   10   15

Leu Pro Asp Pro
            20

<210> 4418
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4418
Ala Ser Pro Gln Glu Thr Gln Ser Ala Phe Ser Ile Pro Val Ser Thr
1   5   10   15

Leu Ser Ser Ser
            20

<210> 4419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4419
His His Ile His Glu Gln Ile Met Glu Tyr Ile Arg Lys Leu Ser Lys
1   5   10   15

Asn His Gln Asn
            20

<210> 4420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4420
Ser Thr Asn Arg Ser Met Gln Asn Tyr Val Gln Phe Leu Lys Ser Ser
1   5   10   15

Tyr Ala Asn Val
            20

<210> 4421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4421

Leu Gly Gln Asp Gly Arg Leu Leu Ser Ser Thr Leu Ser Leu Ser Ser
1   5   10   15

Asn Arg Ser Leu
            20

<210> 4422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4422
Gln Ala Val Pro Ala Phe Gln Gly Pro Asp Met Glu Ala Phe Gln Gln
1   5   10   15

Glu Leu Ala Leu
            20

<210> 4423
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4423
Glu Asp Pro Lys Asp Arg Pro Ser Ala Ala His Ile Val Glu Ala Leu
1   5   10   15

Glu Thr Asp Val
            20

<210> 4424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4424
Gly Trp Glu Glu Ala Tyr Thr Phe Glu Gly Ala Arg Tyr Tyr Ile Asn
1   5   10   15

His Asn Glu Arg
            20

<210> 4425
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4425
Gln Lys Ser Ile Ala Gly Phe Val Ala Ser Thr Asn Ala Glu Leu Thr
1   5   10   15

Lys Trp Tyr Ser
            20

<210> 4426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4426
Tyr Ile Pro Asp Leu Ala Ser Arg Arg Leu Arg Ile Ala Leu Leu Tyr
1   5   10   15

Ser His Ser Glu
            20

<210> 4427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4427
Asp Phe Lys Arg Ala Asn Met Asp Asn Asp Ile Ala Leu Leu Leu Leu
1   5   10   15

Ala Ser Pro Ile
            20

<210> 4428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4428
Gln Ser Gly Ala Ala Val Val His Glu Ile Val Arg Ser Phe Gly Thr
1   5   10   15

Leu Lys Lys Glu
            20

<210> 4429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4429
Lys Asn Pro Asp Phe Lys Val Phe Arg Tyr Ser Thr Ser Leu Glu Lys
1   5   10   15

His Lys Leu Phe
            20

<210> 4430
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4430
Ala Ser Leu Glu Ile Glu Leu Ser Asn Leu Lys Ala Glu Leu Leu Ser
1   5   10   15

Val Lys Lys Gln
            20

<210> 4431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4431
Ala Lys Arg Lys Arg Leu Glu Met Tyr Thr Lys Ala Ser Leu Lys Thr
1   5   10   15

Ser Asn Gln Lys
            20

<210> 4432
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4432
Asp Ser Glu Phe Phe Leu Thr Thr Ala Ser Gly Val Ser Val Leu Pro
1   5   10   15

Gln Asn Arg Ser

20

<210> 4433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4433
Met Glu Asp Asn Ser Ala Leu Tyr Glu Ser Thr Ser Ala His Ile Ile
1 5 10 15

Glu Glu Thr Glu
20

<210> 4434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4434
Ser Glu Pro His Ile Lys Arg Pro Met Asn Ala Phe Met Val Trp Ala
1 5 10 15

Lys Asp Glu Arg
20

<210> 4435
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4435
Ser Ser Glu Glu Asp Lys Glu Lys Glu Glu Val Ala Ala Val Lys Ile
1 5 10 15

Gln Ala Ala Phe
20

<210> 4436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4436
Arg Glu Glu Ala Gln Lys Met Ser Ser Leu Leu Pro Thr Met Trp Leu
1 5 10 15

Gly Ala Gln Asn
            20

<210> 4437
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4437
Glu Ser Ser Thr Ile Leu Val Val Arg Tyr Arg Arg Asn Val Lys Arg
1   5   10   15

Thr Ser Pro Glu
            20

<210> 4438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4438
Lys Gly Val Gly Leu Pro Phe Leu Pro Ile Thr Ser Ser Asp Ile Asp
1   5   10   15

Val Val Glu Ser
            20

<210> 4439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4439
Trp Lys Lys Met Lys Tyr Ser Glu Lys Ile Ser Tyr Val Tyr Met Lys
1   5   10   15

Arg Asn Tyr Lys
            20

<210> 4440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4440
Glu Lys Ile Phe Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr
1   5   10   15

Lys Leu Gly Phe
            20

<210> 4441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4441
Glu Trp Glu Lys Met Lys Ser Ser Glu Lys Ile Val Tyr Val Tyr Met
1   5   10   15

Lys Leu Asn Tyr
            20

<210> 4442
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4442
Glu Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Ile Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 4443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4443
Lys Asn Lys Gln Arg Gln Leu Arg Leu Ala Phe Glu Glu Gln Leu Glu
1   5   10   15

Asp Leu Met Gly
            20

<210> 4444
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4444
Gly Ala Asp Ala Gln Tyr Phe Val Tyr Ser Asn Glu Ser Val Arg Pro
1   5   10   15

Tyr Thr Pro Phe
            20

<210> 4445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4445
Gly Asp Phe Tyr Val Gln Leu Tyr Ser Ser Glu Val Leu Glu Tyr Met
1   5   10   15

Asn Gln Leu Ser
            20

<210> 4446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4446
Leu Ser Gln Phe Trp Glu Phe Ser Glu Thr Thr Ala Ser Thr Val Ser
1   5   10   15

Thr Thr Leu His
            20

<210> 4447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4447
Lys Ser Asp Ile Tyr Ser Phe Ser Met Ile Met Gln Glu Ile Leu Thr
1   5   10   15

Asp Asp Ile Pro
            20

<210> 4448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4448
Leu Lys Lys Ser Lys Tyr Phe Ile Ser Thr Tyr Ile Asp Phe Val Pro
1   5   10   15

Tyr Ile Ala Ser
            20

<210> 4449
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4449
Asp Gln Val Asp Trp Ser Arg Leu Leu Arg Asp Ala Gly Leu Val Lys
1   5   10   15

Met Ser Arg Lys
            20

<210> 4450
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4450
Met Ala Asn Glu Arg Ile Ser Met Gln Asn Leu Glu Ala Leu Leu Val
1   5   10   15

Ala Asn Arg Asp
            20

<210> 4451
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4451
Leu Val Asn Ile Thr Glu Tyr Arg Ala Ser His Ser Thr Pro Ile Glu
1   5   10   15

Trp Tyr Pro Asp
20

<210> 4452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4452
Ala Val Arg Arg Gly Arg Arg Gly Lys Lys Gly Ala Ala Thr Lys Met
1 5 10 15

Ala Ala Val Thr
20

<210> 4453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4453
Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
1 5 10 15

Arg Ile Gln Leu
20

<210> 4454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4454
Thr Pro Asp Gln Lys Arg Glu Asp Asp Gln Gly Ala Ala Glu Ile Gln
1 5 10 15

Val Pro Asp Leu
20

<210> 4455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4455
Glu Val Arg Ala Gly Ala Phe Glu His Leu Pro Ser Leu Arg Gln Leu

1 5 10 15

Asp Leu Ser His
20

<210> 4456
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4456
Pro His Asn Phe Arg Val Tyr Ser Tyr Ser Gly Thr Gly Ile Met Lys
1 5 10 15

Pro Leu Asp Gln
20

<210> 4457
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4457
Gln Lys Leu Gly Glu Tyr Tyr Leu Gln Asn Ala Phe Leu Val Ala Tyr
1 5 10 15

Thr Lys Lys Ala
20

<210> 4458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4458
Asp Leu Arg Ser Val Phe Phe Asn Phe Ile Arg Asn Leu Leu Ser Glu
1 5 10 15

Thr Ile Phe Lys
20

<210> 4459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4459
Leu Asp Ser Gln Lys Met Asp Met Ser Asn Ile Val Leu Met Leu Ile
1   5   10   15

Gln Lys Leu Leu
            20

<210> 4460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4460
Gln Asn Lys Pro Leu Tyr Phe Ala Asp Arg Leu Tyr Asp Ser Met Lys
1   5   10   15

Gly Lys Gly Thr
            20

<210> 4461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4461
Thr Ala Leu Asp Val His Phe Val Ser Thr Leu Glu Pro Leu Ser Asn
1   5   10   15

Ala Val Lys Arg
            20

<210> 4462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4462
Ser Glu Ile Leu Lys Glu Met Leu Ala Lys Lys His Phe Ser Tyr Ala
1   5   10   15

Trp Pro Phe Tyr
            20

<210> 4463

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4463
Ala Tyr Phe Gln Glu Leu Thr Met Tyr Arg Gly Asn Thr Thr Met Asp
1   5   10   15

Ile Lys Asp Leu
            20

<210> 4464
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4464
Asn Ser Pro Thr Ser Leu Leu Ile Tyr Lys Asp Ala Pro Ala Phe Asn
1   5   10   15

Glu Lys Ala Ser
            20

<210> 4465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4465
Glu Glu Gly Asn Glu Ala Ala Asn Phe Asp Leu Ala Val Val Ala Arg
1   5   10   15

Arg Tyr Pro Ala
            20

<210> 4466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4466
Ser Glu Ala Val Glu Leu Gln Asp Met Ser Leu Leu Ser Ile Gln Gln
1   5   10   15

Gln Glu Gly Val
            20

<210> 4467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4467
Ser Ser Asp Ser Ser Met Leu Asp Ser Ala Thr Ser Leu Ile Gln Ala
1   5   10   15

Ala Lys Asn Leu
            20

<210> 4468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4468
Ser Asn Ser Ile Tyr Phe Ser Ile Ala Ile Val Ser Glu Asp Phe Val
1   5   10   15

Pro Tyr Lys Gly
            20

<210> 4469
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4469
Pro His Ser Ile Ala Arg Gln Lys Arg Ile Leu Val Asn Leu Ser Met
1   5   10   15

Val Glu Asn Lys
            20

<210> 4470
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4470
Asp Thr Lys Glu Asp Val Phe Val His Gln Thr Ala Ile Lys Arg Asn
1   5   10   15

Asn Pro Arg Lys
            20

<210> 4471
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4471
Gly Ser Glu Trp Ser Val Tyr Ala Val Gly Ser Gln Ala His Val Ser
1   5   10   15

Phe Leu Asp Pro
            20

<210> 4472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4472
Gly Ile Met Gly Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly
1   5   10   15

Val Ile Ser Lys
            20

<210> 4473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4473
Arg Gly Pro Thr Gln Ser Val Gly Pro Thr Ile Gln Asp Tyr Leu Asn
1   5   10   15

Arg Pro Arg Pro
            20

<210> 4474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4474

Ser Ala Lys Arg Val Trp Asn Met Thr Ala Thr Arg Pro Lys Lys Met
1   5   10   15

Gly Ser Gln Leu
            20

<210> 4475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4475
Trp Arg Asn Ser Ile Arg Ser Ser Phe Ile Ser Ser Leu Ser Phe Phe
1   5   10   15

Leu Lys Lys Met
            20

<210> 4476
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4476
Arg Glu Ser Leu Lys Met Arg Val Ser Lys Pro Phe Gly Met Leu Met
1   5   10   15

Leu Ser Ile Trp
            20

<210> 4477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4477
Glu Glu Glu Asp Thr Phe Ser Ser Val Phe His Thr Gln Ile Pro Pro
1   5   10   15

Glu Glu Tyr Glu
            20

<210> 4478
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4478
Leu Ser Met Ala Phe Tyr Phe Asn Arg Asp Asp Val Ala Leu Glu Asn
1   5   10   15

Phe Phe Arg Tyr
            20

<210> 4479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4479
Ser Met Glu Leu Lys Phe Leu Ile Ile Gln Asn Ala Ala Val Phe Gln
1   5   10   15

Glu Ala Phe Glu
            20

<210> 4480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4480
Ala His Ser Ser Ser Ala Phe Thr Ile Thr Asp Gln Val Pro Phe Ser
1   5   10   15

Val Ser Val Ser
            20

<210> 4481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4481
Gly Ala Gly Lys Gly Lys Tyr Tyr Ala Val Asn Tyr Pro Leu Arg Asp
1   5   10   15

Gly Ile Asp Asp
            20

<210> 4482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4482
Arg Gly His Tyr Glu Arg Ile Leu Asn Pro Tyr Asn Leu Phe Leu Ser
1   5   10   15

Gly Asp Ser Leu
            20

<210> 4483
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4483
Gln His Ile Lys Gln Leu Ser Arg Phe Ala Gly Ala Ser Ile Lys Ile
1   5   10   15

Ala Pro Ala Glu
            20

<210> 4484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4484
Ala Glu Leu Val Arg Arg Ile Leu Ser Arg Asp Ala Ala Pro Leu Pro
1   5   10   15

Arg Pro Gly Ala
            20

<210> 4485
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4485
Asn Leu Asp Ser Ala Arg Phe Arg Tyr Leu Ile Gly Glu Lys Leu Gly
1   5   10   15

Val His Pro Thr

20

<210> 4486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4486
Pro Asp Lys Thr Met Met Asp Gly Ser Phe Ser Phe Lys Leu Leu Asn
1 5 10 15

Gln Leu Gly Met
20

<210> 4487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4487
Phe Pro Glu Ile Phe Gly Lys Ala Ser Glu Ser Leu Gln Leu Val Phe
1 5 10 15

Gly Ile Asp Val
20

<210> 4488
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4488
Gln Asp Phe Phe Pro Val Ile Phe Ser Lys Ala Ser Glu Tyr Leu Gln
1 5 10 15

Leu Val Phe Gly
20

<210> 4489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4489
Asn Lys Val Asp Glu Leu Ala His Phe Leu Leu Arg Lys Tyr Arg Ala
1 5 10 15

Lys Glu Leu Val
            20

<210> 4490
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4490
Thr Thr Glu Glu Gln Glu Ala Val Ser Ser Ser Ser Pro Leu Val Pro
1   5   10   15

Gly Thr Leu Gly
            20

<210> 4491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4491
Glu Glu Gln Lys Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly Thr
1   5   10   15

Leu Glu Glu Val
            20

<210> 4492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4492
Val Ile Lys Asn Tyr Lys Arg Tyr Phe Pro Val Ile Phe Gly Lys Ala
1   5   10   15

Ser Glu Phe Met
            20

<210> 4493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4493
Asp Asn Pro Ser Gly His Thr Tyr Thr Leu Val Ser Lys Leu Asn Leu
1   5   10   15

Thr Asn Asp Gly
            20

<210> 4494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4494
Pro Leu Thr Arg Lys Ser Gly Ser Leu Val Gln Phe Leu Leu Tyr Lys
1   5   10   15

Tyr Lys Ile Lys
            20

<210> 4495
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4495
Ser Leu Thr Arg Lys Thr Lys Met Leu Val Gln Phe Leu Leu Tyr Lys
1   5   10   15

Tyr Lys Met Lys
            20

<210> 4496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4496
Pro Val Ser Pro Ser Phe Ser Ser Thr Leu Val Ser Leu Phe Gln Ser
1   5   10   15

Ser Pro Glu Arg
            20

<210> 4497
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4497
Val Phe Ser Pro Ser Ser Phe Ser Thr Ser Ser Ser Leu Ile Leu Gly
1   5   10   15

Gly Pro Glu Glu
            20

<210> 4498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4498
Asp Asp Pro Gln Lys Phe Ala Met Glu Leu Ser Ile Ile Tyr Lys Tyr
1   5   10   15

Ser Pro Phe Lys
            20

<210> 4499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4499
Ser Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser
1   5   10   15

His Ser Pro Gly
            20

<210> 4500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4500
Val Gln Pro Thr Gln Lys Gln Gln Lys His Arg Leu Phe His Trp Gln
1   5   10   15

Ala Asn Ser Glu
            20

<210> 4501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4501
Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr Lys Arg Lys Gln Leu Ser
1   5   10   15

Ser Glu Leu Gly
            20

<210> 4502
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4502
Met Lys Ala Ile Asn Phe Leu Asn Gln Asp Ile Arg Gly Leu Thr Ser
1   5   10   15

Ala Ser Gln Leu
            20

<210> 4503
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4503
Glu Asp Ser Glu Arg Leu Met Glu Gln Gln Gly Ala Leu Leu Lys Arg
1   5   10   15

Leu Ala Glu Ala
            20

<210> 4504
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4504
Glu Lys Ser Thr Lys Tyr Val Phe Asp Ser Ala Pro Ser His Ser Ile
1   5   10   15

Ser Ala Arg Thr
            20

<210> 4505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4505
Ser Arg Val Thr Asn Asn Val Val Leu Glu Ala Pro Phe Leu Val Gly
1   5   10   15

Ile Glu Gly Ser
            20

<210> 4506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4506
Val Tyr Gln Lys Arg Leu Met Asp Glu Ala Lys Ile Leu Lys Ser Leu
1   5   10   15

His His Pro Asn
            20

<210> 4507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4507
Pro Thr Pro Glu Ser Ser Thr Ile Ala Ser Tyr Val Thr Leu Arg Lys
1   5   10   15

Thr Lys Lys Met
            20

<210> 4508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4508
Gln Trp Ala Leu Tyr Gln Tyr His Ile Asp Tyr Asn Pro Leu Met Glu

1 5 10 15

Ala Arg Arg Leu
20

<210> 4509
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4509
Arg Gln Phe Val Glu Phe Thr Ile Lys Glu Ala Ala Arg Phe Lys Lys
1 5 10 15

Val Val Leu Ile
20

<210> 4510
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4510
Asp Lys Lys Thr Gln Thr Phe Leu Leu Glu Thr Pro Glu Ile Tyr Trp
1 5 10 15

Lys Leu Asp Ser
20

<210> 4511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4511
Gln Asn Glu Phe Lys Lys Glu Met Ala Met Leu Gln Lys Lys Ile Met
1 5 10 15

Met Glu Thr Gln
20

<210> 4512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4512
Arg Ser Ile Phe Lys Pro Phe Ile Phe Val Asp Asp Val Lys Leu Val
1   5   10   15

Pro Lys Thr Gln
            20

<210> 4513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4513
Leu Gln Phe Val Ile His Ser Gln His Gln Asn Leu Arg Ser Val Ile
1   5   10   15

Gln Glu Met Glu
            20

<210> 4514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4514
Gly Ser Ser Leu Asp Ile Leu Ser Ser Leu Asn Ser Pro Ala Leu Phe
1   5   10   15

Gly Asp Gln Asp
            20

<210> 4515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4515
Gly Ser Lys Val Glu Asp Arg Phe Tyr Asn Asn His Ala Phe Glu Glu
1   5   10   15

Gln Glu Pro Pro
            20

<210> 4516

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4516
Arg Asp Ala Val Lys Phe Phe Val Ala Val Pro Gly Gln Val Ile Ser
1   5   10   15

Pro Gln Ser Ser
            20

<210> 4517
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4517
Thr Ile Leu Val Val Arg Tyr Arg Arg Asn Val Lys Arg Thr Ser Pro
1   5   10   15

Glu Glu Leu Leu
            20

<210> 4518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4518
Glu Trp Glu Lys Met Lys Val Ser Glu Lys Ile Val Tyr Val Tyr Met
1   5   10   15

Lys Arg Lys Tyr
            20

<210> 4519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4519
Thr Phe Gly Ser Leu Gln Arg Ile Phe Pro Lys Ile Met Pro Lys Lys
1   5   10   15

Pro Ala Glu Glu
            20

<210> 4520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4520
Gln Arg Gln Lys Asp Leu Ile Met Lys Val Glu Asn Leu Thr Leu Lys
1   5   10   15

Asn His Phe Gln
            20

<210> 4521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4521
Ala Glu Asp Thr Arg Leu Phe Ala Pro Ser Ile Lys Ala Arg Phe Pro
1   5   10   15

Ala Glu Thr Tyr
            20

<210> 4522
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4522
Tyr Ile Glu Ile Val Met Val Ser Glu Thr Ile His Phe Leu Lys Asn
1   5   10   15

Ser Ile Ala Lys
            20

<210> 4523
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4523
Met Trp Met Gly Leu Ile Gln Leu Val Glu Gly Val Lys Arg Lys Asp
1   5   10   15

Gln Gly Phe Leu
            20

<210> 4524
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4524
Leu Asn Ala Glu Arg Ser Tyr Lys Ser Gln Ile Ser Thr Leu His Lys
1   5   10   15

Ser Val Val Lys
            20

<210> 4525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4525
Gly Glu Glu Ala Val Leu Leu Leu Asp Asp Ile Met Ala Glu Val Glu
1   5   10   15

Val Val Ala Glu
            20

<210> 4526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4526
Asn Ser Leu Val Ser Leu Thr Tyr Val Ser Phe Arg Asn Leu Thr His
1   5   10   15

Leu Glu Ser Leu
            20

<210> 4527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4527

Asn Phe Gly Thr Arg Thr Phe Gln Ala Ile Thr Val Thr Lys Leu Ser
1   5   10   15

Gln Lys Phe Thr
            20

<210> 4528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4528
Ser Val Val Ser Asp Met Met Val Ser Ile Met Lys Thr Leu Lys Ile
1   5   10   15

Gln Val Lys Asp
            20

<210> 4529
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4529
Ser Asp Leu Gln Lys Tyr Ala Leu Gly Phe Gln His Ala Leu Ser Pro
1   5   10   15

Ser Thr Ser Thr
            20

<210> 4530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4530
Arg Lys Tyr Gly Lys Ser Leu Tyr Tyr Tyr Ile Gln Gln Asp Thr Lys
1   5   10   15

Gly Asp Tyr Gln
            20

<210> 4531
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4531
Leu Lys Asp Leu Trp Lys His Ser Phe Ser Trp Pro Phe Gln Arg Pro
1   5   10   15

Val Asp Ala Val
            20

<210> 4532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4532
Asp Gln Ser Asp Val Leu Met Val Asp Val Ala Thr Ser Met Pro Val
1   5   10   15

Val Ile Lys Glu
            20

<210> 4533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4533
Lys Ile Thr Lys Gln Gln Val Phe Ile Asp Val Ile Asn Lys Leu Lys
1   5   10   15

Glu Asn Val Glu
            20

<210> 4534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4534
Phe Ser Asn Lys Gly Lys Thr Leu Val Ile Gln Tyr Thr Val Lys His
1   5   10   15

Glu Gln Lys Met
            20

<210> 4535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4535
Glu Leu His Lys Arg Thr Glu Ile Ile Arg Ser Leu Thr Lys Lys Val
1   5   10   15

Lys Ala Leu Glu
            20

<210> 4536
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4536
Ala Lys Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe Ile His
1   5   10   15

Phe Arg Glu Ala
            20

<210> 4537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4537
Ala Gly Asp Ser Leu Ile Ala Gly Ser Ala Met Ser Lys Ala Lys Lys
1   5   10   15

Leu Met Thr Gly
            20

<210> 4538
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4538
Pro Ser Ser Glu Thr Arg Ala Phe Leu Ser Pro Pro Thr Leu Leu Glu
1   5   10   15

Gly Pro Leu Arg

20

<210> 4539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4539
Asp Leu Ser Arg Asp Ile Leu Asn Asn Phe Pro His Ser Ile Ala Arg
1 5 10 15

Gln Lys Arg Ile
20

<210> 4540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4540
Glu Val Arg Leu Gln Asn Glu Thr Ser Tyr Ser Arg Val Leu His Gly
1 5 10 15

Tyr Ala Ala Gln
20

<210> 4541
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4541
Gly Leu Thr Gly Leu Gln Ser Leu Leu Gln Gly Phe Ser Arg Leu Phe
1 5 10 15

Leu Lys Gly Asn
20

<210> 4542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4542
Val Asp Asp Glu Glu Ser Val Ile Leu Thr Leu Val Pro Val Lys Asp
1 5 10 15

Asp Ala Asn Met
            20

<210> 4543
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4543
Lys Gln Leu Glu Asn Lys Lys Thr Gly Ser Lys Ala Leu Ala Glu Phe
1   5   10   15

Glu Glu Lys Met
            20

<210> 4544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4544
Pro Val Phe Pro Gln Leu Ser Arg Ser Ile Ile Ser Lys Leu Leu Asn
1   5   10   15

Glu Ser Glu Thr
            20

<210> 4545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4545
Gly Trp Glu Ile Gly Tyr Leu Asp Arg Thr Ser Gln Lys Leu Lys Arg
1   5   10   15

Leu Leu Pro Ile
            20

<210> 4546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4546
Phe Pro Lys Asn Ser Ser Phe Asn Pro Ala Ala Leu Ser Arg His Met
1   5   10   15

Ser Ser Leu Ser
            20

<210> 4547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4547
Lys His Ile Asn Gln Leu Leu Arg Thr Met Ser Met Pro Lys Gly Arg
1   5   10   15

Val Leu Asp Lys
            20

<210> 4548
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4548
Asp Arg Gln Thr Val Met Thr Ser Ala Thr Trp Pro His Ser Val His
1   5   10   15

Arg Leu Ala Gln
            20

<210> 4549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4549
Gly Ala Gly Lys Gly Lys Tyr Tyr Ala Val Asn Phe Pro Met Arg Asp
1   5   10   15

Gly Ile Asp Asp
            20

<210> 4550
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4550
Pro Asn His Pro Ser Arg Lys Lys Val Asn Phe Leu Asp Met Ser Leu
1   5   10   15

Asp Asp Ile Ile
            20

<210> 4551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4551
Ser Ser Asp Asn Asn Thr Leu Thr Ser Ser Asn Ala Tyr Asn Ser Arg
1   5   10   15

Tyr Trp Ser Asn
            20

<210> 4552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4552
Thr Leu Asp Asp Leu Tyr Pro Met Met Asn Ala Leu Lys Leu Arg Ala
1   5   10   15

Glu Ser Tyr Asn
            20

<210> 4553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4553
Glu Ala Gln Asp Ile Lys Phe Thr Glu Glu Ile Pro Leu Lys Ile Leu
1   5   10   15

Ala His Asn Asn
            20

<210> 4554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4554
Thr Ser Gly Lys Asp Tyr Ser Val Ser Ala Asn Ser Arg Ile Val Ile
1   5   10   15

Val Thr Ala Gly
            20

<210> 4555
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4555
Pro Ser Lys Gly Arg Arg Trp Ala Ala Arg Ala Pro Ser Thr Arg Ile
1   5   10   15

Thr Tyr Gly Thr
            20

<210> 4556
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4556
Asp Asp Thr Thr Ala Met Ala Ser Ala Ser Ser Ser Ala Thr Gly Ser
1   5   10   15

Phe Ser Tyr Pro
            20

<210> 4557
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4557
Glu Glu Gln Glu Ala Ala Phe Phe Ser Ser Thr Leu Asn Val Gly Thr
1   5   10   15

Leu Glu Glu Leu
20

<210> 4558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4558
Asp Gly Arg Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Thr
1 5 10 15

Gln Asp Leu Val
20

<210> 4559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4559
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala
1 5 10 15

Glu Leu Val His
20

<210> 4560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4560
Ala Ile Pro Thr Ala Ile Asp Phe Thr Leu Trp Arg Gln Ser Ile Lys
1 5 10 15

Gly Ser Ser Asn
20

<210> 4561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4561
Phe Pro Val Ile Phe Ser Lys Ala Ser Asp Ser Leu Gln Leu Val Phe

1 5 10 15

Gly Ile Glu Leu
20

<210> 4562
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4562
Arg Thr Thr Ala Thr Thr Phe Arg Ala Arg Ser Arg Ala Pro Phe Ser
1 5 10 15

Arg Ser Ser His
20

<210> 4563
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4563
Thr Val Pro Ser Ala Phe Gln Phe Trp Tyr Glu Glu Ala Leu Arg Asp
1 5 10 15

Glu Glu Glu Arg
20

<210> 4564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4564
Asn Ser Asp Pro Pro Arg Tyr Gln Phe Leu Trp Gly Pro Arg Ala His
1 5 10 15

Ala Glu Thr Ser
20

<210> 4565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4565
Ile Ser Arg Tyr Thr Gly Tyr Phe Pro Val Ile Phe Arg Lys Ala Arg
1   5   10   15

Glu Phe Ile Glu
            20

<210> 4566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4566
Asp Ser Glu Ser Ser Phe Thr Tyr Thr Leu Asp Glu Lys Val Ala Glu
1   5   10   15

Leu Val Glu Phe
            20

<210> 4567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4567
Ser Thr Thr His Ser Phe Leu Phe Gly Ala Leu Ala Glu Leu Leu Asp
1   5   10   15

Asn Ala Arg Asp
            20

<210> 4568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4568
Ser Ser Lys Lys Thr Tyr Ser Leu Arg Ser Gln Ala Ser Ile Ile Gly
1   5   10   15

Val Asn Leu Ala
            20

<210> 4569

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4569
Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
1   5   10   15

Gly Phe Leu Gly
            20

<210> 4570
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4570
His Arg Leu Phe His Trp Gln Ala Asn Ser Glu Arg Ala Asp Ile Pro
1   5   10   15

Ala Ser Leu Arg
            20

<210> 4571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4571
Glu Lys Asn Glu Glu Ile Phe Asn Tyr Asn Asn His Leu Lys Asn Arg
1   5   10   15

Ile Tyr Gln Tyr
            20

<210> 4572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4572
Ala Met Pro Phe Ala Thr Pro Met Glu Ala Glu Leu Ala Arg Arg Ser
1   5   10   15

Leu Ala Gln Asp
            20

<210> 4573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4573
Leu Glu Leu Glu Ile Ile Val Leu Asn Asp Arg Val Thr Asp Leu Val
1   5   10   15

Asn Gln Gln Gln
            20

<210> 4574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4574
Ile Ile Leu Lys Val Ala Leu Asn Met Ala Arg Gly Leu Lys Tyr Leu
1   5   10   15

His Gln Glu Lys
            20

<210> 4575
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4575
Val Thr Pro Ala Met Gly Met Gln Met Arg Lys Ala Ile Met Ile Glu
1   5   10   15

Val Asp Asp Arg
            20

<210> 4576
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4576
Glu Thr Phe Lys Ala Val Leu Asp Gly Leu Asp Val Leu Leu Ala Gln
1   5   10   15

Glu Val Arg Pro
            20

<210> 4577
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4577
Lys Asn Ser Val Lys Thr Asp Leu Met Lys Ala Pro Met Val Ile Met
1   5   10   15

Asp Trp Glu Glu
            20

<210> 4578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4578
Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr Leu Arg
1   5   10   15

Gly Ala Val Glu
            20

<210> 4579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4579
Val Val Arg Leu Ser Ser Tyr Ser Ser Pro Thr Leu Gln Ser Val Leu
1   5   10   15

Gly Ser Gly Thr
            20

<210> 4580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4580

Met Thr Pro Thr Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg
1   5   10   15

Glu Pro Leu Asn
            20

<210> 4581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4581
His Asp Leu Glu Ile Gln Leu Thr Ala Ile Thr Thr Ser Glu Gln Tyr
1   5   10   15

Tyr Ser Lys Glu
            20

<210> 4582
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4582
Lys Ile Leu Gln Gln Ser Arg Ile Val Gln Ser Gln Arg Leu Lys Thr
1   5   10   15

Ile Lys Gln Leu
            20

<210> 4583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4583
Arg Arg His Glu Leu Tyr Lys Ala His Glu Trp Ala Arg Ala Ile Ile
1   5   10   15

Glu Ser Asp Gln
            20

<210> 4584
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4584
Ile Glu Glu Thr Glu Tyr Val Lys Lys Ile Arg Thr Thr Leu Gln Lys
1   5   10   15

Ile Arg Thr Gln
            20

<210> 4585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4585
Ile Gly Glu Tyr Lys Gln Leu Met Arg Ser Arg Arg Gln Glu Met Arg
1   5   10   15

Gln Phe Phe Thr
            20

<210> 4586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4586
Ser Met Lys Pro Leu Leu Arg Arg Ala Met Ala Tyr Glu Thr Leu Glu
1   5   10   15

Gln Tyr Gly Lys
            20

<210> 4587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4587
Glu Asp Gly Arg Val Gln Ala Phe Gly Trp Ser Leu Pro Gln Lys Tyr
1   5   10   15

Lys Gln Val Thr
            20

<210> 4588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4588
His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile Ser
1   5   10   15

Asp Pro Glu Glu
            20

<210> 4589
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4589
Ala Met Thr Lys Leu Gly Phe Lys Ala Ile Leu Pro Ser Phe Met Arg
1   5   10   15

Asn Lys Arg Val
            20

<210> 4590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4590
Gly Lys His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val
1   5   10   15

Val Tyr Glu Glu
            20

<210> 4591
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4591
Ala Thr Leu Pro Pro Phe Met Arg Asn Lys Arg Val Ala Asp Phe Gln
1   5   10   15

Gly Asn Asp Phe

20

<210> 4592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4592
Thr Asn Asn Lys Lys Lys Glu Phe Glu Glu Thr Ala Lys Lys Val Arg
1 5 10 15

Arg Ala Ile Glu
20

<210> 4593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4593
Asp Gln Met Trp Arg Gln Phe Thr Asp Thr Asn Leu Ala Phe Asn Ala
1 5 10 15

Arg Ile Ser Glu
20

<210> 4594
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4594
Val Thr Glu Leu Glu Tyr Asn Tyr Asn Gln Phe Ser Thr Leu Leu Lys
1 5 10 15

Asn Val Met Ser
20

<210> 4595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4595
Met Pro Met Ser Glu Val Ser Gln Val Ser Arg Ala Ala Gln Met Ala
1 5 10 15

Val Pro Ser Ser
            20

<210> 4596
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4596
Asp Ala Gly Leu Val Lys Met Ser Arg Lys Pro Arg Ala Ser Ser Pro
1   5   10   15

Leu Ser Asn Asn
            20

<210> 4597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4597
Phe Trp Ala Asn Val Ile Ala Asn His Pro Gln Met Ser Ala Leu Ile
1   5   10   15

Thr Asp Glu Asp
            20

<210> 4598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4598
Ala Asp Ala Ser Gln Ser Ser Met His Asn Ala Leu His Ile Tyr Met
1   5   10   15

Asn Gly Thr Met
            20

<210> 4599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4599
Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Ser Leu Gln
1   5   10   15

Pro Pro Glu Leu
            20

<210> 4600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4600
Phe Ser Gly Ser Asn Ala Ser Val Ser Ala Pro Ser Pro Leu Val Glu
1   5   10   15

Leu Ile Leu Asn
            20

<210> 4601
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4601
Asn Arg Asn Val Asn Phe Ala Met Lys Ser Glu Thr Lys Leu Arg Glu
1   5   10   15

Lys Met Tyr Ser
            20

<210> 4602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4602
Ser Lys Gly Leu Met Val Tyr Ala Asn Gln Val Ala Ser Asp Met Met
1   5   10   15

Val Ser Leu Met
            20

<210> 4603
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4603
Val Gly Thr Ile Asp Met Thr Leu Gln Ser Asp Ile Met Thr Met Phe
1   5   10   15

Glu Asn Asn Phe
            20

<210> 4604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4604
Ser Lys Pro Arg Leu Val Val Pro Tyr Gly Leu Lys Thr Leu Leu Glu
1   5   10   15

Gly Ile Ser Arg
            20

<210> 4605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4605
Asn Asn Ile Glu Asn Tyr Ser Thr Asn Ala Leu Ile Gln Pro Val Asp
1   5   10   15

Thr Ile Ser Ile
            20

<210> 4606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4606
Glu Ser Gly Ser Ile Glu Tyr Asp Trp Asn Leu Thr Ser Leu Lys Lys
1   5   10   15

Glu Thr Ser Pro
            20

<210> 4607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4607
Asp Lys Glu Leu Asn Asp Met Val Ala Val His Gln Gln Gln Leu Leu
1   5   10   15

Ser Trp Glu Glu
            20

<210> 4608
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4608
Val Gly Glu Val Ser Thr Pro Phe His Ile Phe Lys Val Lys Val Thr
1   5   10   15

Thr Glu Arg Glu
            20

<210> 4609
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4609
Leu Gly Glu Glu Glu Gly Glu Gln Ala Ala Gly Leu Ala Ala Val Pro
1   5   10   15

Arg Gly Gly Ser
            20

<210> 4610
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4610
Arg Gly Ser Gln Lys Lys His Ile Ser Pro Val Gln Ala Leu Ser Glu
1   5   10   15

Phe Lys Ala Met
            20

<210> 4611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4611
Ile Asp Glu Ser Ile Tyr Phe Ser Ser Asp Val Val Thr Gly Asn Val
1   5   10   15

Pro Leu Lys Val
            20

<210> 4612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4612
His Gln Thr Ala Ile Lys Arg Asn Asn Pro Arg Lys Phe Leu Arg Ser
1   5   10   15

Val Gly Asp Gly
            20

<210> 4613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4613
Ser Arg Leu Ser Pro Arg Lys Thr His Leu Leu Tyr Ile Leu Arg Pro
1   5   10   15

Ser Arg Gln Leu
            20

<210> 4614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4614
Gln Ser Val Pro Gln Phe Phe Thr Phe Glu Asp Ala Pro Ser Tyr Pro

1 5 10 15

Glu Ala Arg Ala
20

<210> 4615
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4615
Gln Lys Glu Ile Thr Thr Arg Tyr Gln Leu Asp Pro Lys Phe Ile Thr
1 5 10 15

Ser Ile Leu Tyr
20

<210> 4616
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4616
Glu Phe Asn Val Leu Glu Met Glu Val Met Arg Arg Gln Leu Tyr Ala
1 5 10 15

Val Asn Arg Arg
20

<210> 4617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4617
Lys Arg Pro Ser Phe Leu Asp Asp Pro Leu Tyr Gly Ile Ser Val Ser
1 5 10 15

Leu Ser Ser Glu
20

<210> 4618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4618
Lys Asn Val Asn Gln Ser Leu Leu Asp Leu Tyr Gln Leu Ala Val Glu
1   5   10   15

Lys Gly Asp Pro
            20

<210> 4619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4619
Met Ser Ser Thr Asp Lys Val Ile Val Phe Val Ser Arg Lys Ala Val
1   5   10   15

Ala Asp His Leu
            20

<210> 4620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4620
Gly Asp Leu Val Asp Thr Gln Ser Asp Leu Ile Ala Thr Gln Arg Asp
1   5   10   15

Leu Ile Ala Thr
            20

<210> 4621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4621
Pro Tyr Ser Ala Val Glu Lys Ala Met Ala Arg Leu Gln Glu Leu Leu
1   5   10   15

Thr Val Ser Glu
            20

<210> 4622

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4622
Ile Thr Met Pro Phe Ser Ser Pro Met Glu Ala Glu Leu Val Arg Arg
1   5   10   15

Ile Leu Ser Arg
            20

<210> 4623
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4623
Leu Lys Gly Glu Met Met Asp Leu Gln His Gly Ser Leu Phe Phe Ser
1   5   10   15

Thr Ser Lys Ile
            20

<210> 4624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4624
Leu Gln Gly Asn Ile Ile Leu Ser Thr Glu Lys Ser Lys Lys Leu Lys
1   5   10   15

Lys Trp Pro Glu
            20

<210> 4625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4625
Glu Glu Ser Phe Ser Pro Thr Ala Met Asp Ala Ile Phe Gly Ser Leu
1   5   10   15

Ser Asp Glu Gly
            20

<210> 4626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4626
Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val Ala
1   5   10   15

Lys Leu Val His
            20

<210> 4627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4627
Val Arg Val Asn Ala Arg Val Arg Ile Ser Tyr Pro Ser Leu His Glu
1   5   10   15

Glu Ala Leu Gly
            20

<210> 4628
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4628
Met His Phe Ile Leu Arg Lys Tyr Lys Met Arg Glu Pro Ile Met Lys
1   5   10   15

Ala Asp Met Leu
            20

<210> 4629
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4629
Lys Ile Val Gly Lys Arg Phe Arg Glu His Phe Pro Glu Ile Leu Lys
1   5   10   15

Lys Ala Ser Glu
            20

<210> 4630
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4630
Val Gln Phe Leu Met Glu Met Tyr Lys Met Lys Lys Pro Ile Met Lys
1   5   10   15

Ala Asp Met Leu
            20

<210> 4631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4631
Asp Glu Glu Ser Val Ser Ala Ser Gln Lys Ala Ile Ile Phe Lys Arg
1   5   10   15

Leu Ser Lys Asp
            20

<210> 4632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4632
Pro Arg Glu Leu Leu Thr Lys Val Trp Val Gln Gly His Tyr Leu Glu
1   5   10   15

Tyr Arg Glu Val
            20

<210> 4633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4633

Glu Lys Pro Leu Asn Ser Phe Gln Tyr Gln Arg Arg Gln Ala Met Gly
1   5   10   15

Ile Pro Phe Ile
            20

<210> 4634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4634
Lys Phe Ser Val Trp Val Ser Phe Phe Glu Ile Tyr Asn Glu Tyr Ile
1   5   10   15

Tyr Asp Leu Phe
            20

<210> 4635
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4635
Asn Gly Gly Ser Ser Leu Ser Tyr Thr Asn Pro Ala Val Ala Ala Ala
1   5   10   15

Ser Ala Asn Leu
            20

<210> 4636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4636
Gln Pro Glu Arg Leu Leu Phe Val Ile Asp Ser Phe Glu Glu Leu Gln
1   5   10   15

Gly Gly Leu Asn
            20

<210> 4637
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4637
Gln Glu Met Val Gln Ala Phe Ser Ala Gln Ser Gly Met Lys Leu Glu
1   5   10   15

Trp Ser Gln Lys
            20

<210> 4638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4638
Ile Thr Lys Arg Ser Glu Gln Ile Val Glu Phe Leu Leu Ile Lys Asn
1   5   10   15

Ala Asn Ala Asn
            20

<210> 4639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4639
Ala Asp Ser Val His Leu Ala Trp Asp Leu Ser Arg Ser Leu Gly Ala
1   5   10   15

Val Val Phe Ser
            20

<210> 4640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4640
Trp Gln Gln Arg Gln Phe Tyr Asn Lys Gln Ser Thr Leu Pro Arg His
1   5   10   15

Ser Thr Leu Ser
            20

<210> 4641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4641
Glu Ser Val Gly Leu Val Ser Met Phe Arg Gly Leu Gly Ile Glu Thr
1   5   10   15

Val Ser Lys Thr
            20

<210> 4642
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4642
Gln Glu Asn Pro Ala Ala Phe Val Arg Ala Ile Gln Gln Tyr Val Asp
1   5   10   15

Pro Asp Val Gln
            20

<210> 4643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4643
Lys Ala Val Ser Gln Asp Met Val Ile Tyr Ser Thr Glu Ile His Tyr
1   5   10   15

Ser Ser Lys Gly
            20

<210> 4644
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4644
Asp Asn Asp Ile Ala Leu Leu Leu Leu Ala Ser Pro Ile Lys Leu Asp
1   5   10   15

Asp Leu Lys Val

20

<210> 4645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4645
Glu Ile Gln Ala Leu Arg Arg Leu Asn Pro His Pro Asn Ile Leu Met
1 5 10 15

Leu His Glu Val
20

<210> 4646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4646
Glu Glu Glu Glu Asp Ala Ala Trp Gln Ala Glu Glu Val Leu Arg Gln
1 5 10 15

Gln Lys Leu Ala
20

<210> 4647
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4647
Phe Ile Gln Ala Thr Asp Tyr Val Glu Ile Trp Gln Ala Tyr Leu Asp
1 5 10 15

Tyr Leu Arg Arg
20

<210> 4648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4648
Met Glu Glu Ser Asn Lys Ala Arg Ala Ala His Ser Phe Val Val Thr
1 5 10 15

Glu Phe Glu Thr
            20

<210> 4649
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4649
Arg Leu Lys Thr Ile Lys Gln Leu Tyr Glu Gln Phe Ile Lys Ser Met
1   5   10   15

Glu Glu Leu Glu
            20

<210> 4650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4650
Gly Glu Thr Ala Lys Glu Ala Leu Asp Val Ile Val Ser Leu Leu Glu
1   5   10   15

Glu His Gly Gln
            20

<210> 4651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4651
Glu Ala Gly Ala Ala Ala Leu Arg Asn Val Ala Gln Arg Leu Phe Glu
1   5   10   15

Asn Tyr Gln Thr
            20

<210> 4652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4652
Ile Ser Gly Lys Glu Glu Glu Thr Ser Val Thr Ile Leu Asp Ser Ser
1   5   10   15

Glu Glu Asp Lys
            20

<210> 4653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4653
Ile Asp Val Val Glu Ser Glu Ala Val Ser Val Leu His His Trp Leu
1   5   10   15

Lys Lys Thr Glu
            20

<210> 4654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4654
Gln Gly Ile Arg Asn Leu Val Thr Asp Ala Lys Phe Val Leu Ile Val
1   5   10   15

Glu Lys Asp Ala
            20

<210> 4655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4655
Glu Lys Arg Ser Lys Ala Phe Asp Asp Ile Ala Thr Tyr Phe Ser Lys
1   5   10   15

Lys Glu Trp Lys
            20

<210> 4656
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4656
Gly Phe Lys Ala Ile Leu Pro Ser Phe Met Arg Asn Lys Arg Val Thr
1   5   10   15

Asp Phe Gln Gly
            20

<210> 4657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4657
Ile Ser Glu Lys Leu Arg Lys Ala Phe Asp Asp Ile Ala Lys Tyr Phe
1   5   10   15

Ser Lys Lys Glu
            20

<210> 4658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4658
His Arg Val Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile Ser
1   5   10   15

Asp Pro Gln Glu
            20

<210> 4659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4659
Gln Ala Leu Ala Pro Asp Phe Arg Leu Asn Pro Val Arg Arg Leu Ile
1   5   10   15

Pro Ala Ala Arg
            20

<210> 4660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4660
Ile Met Leu Leu Lys Asn Phe Met Leu Asn Gln Asn Val Met Leu Ser
1   5   10   15

Val Lys Gly Ile
            20

<210> 4661
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4661
Asp Asn Ile Lys His Ser Gln Asn Met Arg Ala Asn Ser Ile Gln Leu
1   5   10   15

Arg Glu Glu Ala
            20

<210> 4662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4662
Pro Lys Ile Arg Asp Asn Phe Trp Ser Met Pro Met Ser Glu Val Ser
1   5   10   15

Gln Val Ser Arg
            20

<210> 4663
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4663
His Asn Ala Leu His Ile Tyr Met Asn Gly Thr Met Ser Gln Val Gln
1   5   10   15

Gly Ser Ala Asn
20

<210> 4664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4664
Asp Leu Glu Arg Gly Thr Asp Glu Ala Val Leu Gln Val Gln Ala His
1 5 10 15

Glu His Gly Gln
20

<210> 4665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4665
Gly Leu Gly Gly Leu Arg Met Asp Ser Asn Phe Asp Ser Leu Pro Val
1 5 10 15

Gln Ile Thr Val
20

<210> 4666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4666
Glu Ile Lys Pro Leu Ala Phe Ser Thr Thr Phe Glu His Leu Val Tyr
1 5 10 15

Lys Met Asp Ser
20

<210> 4667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4667
Ala Ser Phe Val His Glu Tyr Ser Arg Arg His Pro Gln Leu Ala Val

1 5 10 15

Ser Val Ile Leu
20

<210> 4668
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4668
Asp Asp Phe Thr Ala Ser Val Ser Glu Gly Ile Met Thr Tyr Ala Asn
1 5 10 15

Ser Val Val Ser
20

<210> 4669
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4669
Ser Asp Thr Ser Gly Asp Phe Arg Lys Leu Met Val Ala Leu Ala Lys
1 5 10 15

Gly Arg Arg Ala
20

<210> 4670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4670
Val Asp Ala Val Lys Leu Gln Leu Pro Asp Tyr Tyr Thr Ile Ile Lys
1 5 10 15

Asn Pro Met Asp
20

<210> 4671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4671
Thr Met Tyr Arg Gly Asn Thr Thr Met Asp Ile Lys Asp Leu Val Lys
1   5   10   15

Gln Phe His Gln
            20

<210> 4672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4672
Ser Arg Gln Met Val Thr Asp Leu Glu Leu Ser Thr Leu Leu Pro Ile
1   5   10   15

Ser His Glu Asn
            20

<210> 4673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4673
Thr Leu Ser Phe Pro Arg Tyr Asn Val Ala Glu Ile Val Ile His Ile
1   5   10   15

Arg Asn Lys Ile
            20

<210> 4674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4674
Ala Met Ser Lys Ala Lys Lys Leu Met Thr Gly His Ala Ile Pro Pro
1   5   10   15

Ser Gln Leu Asp
            20

<210> 4675

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4675
Asp Ala Leu Gln Lys Lys Tyr Leu Arg Met Val Val Leu Ala Val Tyr
1   5   10   15

Thr Asn Pro Glu
            20

<210> 4676
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4676
Leu Thr Glu Arg Leu Leu Lys Met Lys Asp Gly Val Ala Met Leu Glu
1   5   10   15

Glu Asp Val Thr
            20

<210> 4677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4677
Ser Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys
1   5   10   15

Ile Phe Gln Met
            20

<210> 4678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4678
Lys Ser Asp Leu Arg Val His Met Arg Asn Leu His Ala Tyr Ser Ala
1   5   10   15

Ala Glu Leu Lys
            20

<210> 4679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4679
Phe Gly Lys Glu Met Val Lys Leu Asn Tyr Val Ala Ala Arg Arg Gln
1   5   10   15

Gln Glu Leu Lys
            20

<210> 4680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4680
Lys Arg Ile Leu Val Asn Leu Ser Met Val Glu Asn Lys Leu Val Glu
1   5   10   15

Leu Glu His Thr
            20

<210> 4681
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4681
Asn Arg Arg Lys Ser Arg Arg Phe Ile Pro Arg Pro Pro Ser Val Ala
1   5   10   15

Pro Pro Pro Met
            20

<210> 4682
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4682
Leu Gln Gly Phe Ser Arg Leu Phe Leu Lys Gly Asn Leu Leu Arg Gly
1   5   10   15

Ile Asp Ser Leu
            20

<210> 4683
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4683
Ala Ser Glu Gly Arg Met Val Ile Gln Asp Ile Pro Ala Val Thr Ser
1   5   10   15

Arg Gly His Val
            20

<210> 4684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4684
Pro Gly His Gln Lys Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp
1   5   10   15

Gln Val Asn Thr
            20

<210> 4685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4685
Leu Asp Pro Met Leu Asp Phe Tyr Ser Asp Lys Asn Ala Lys Leu Thr
1   5   10   15

Lys Glu Ser Tyr
            20

<210> 4686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4686

Pro Gly Thr Asp Ala Val Ala Gln Thr Ser Leu Glu Glu Phe Asn Val
1   5   10   15

Leu Glu Met Glu
            20

<210> 4687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4687
Ala Ile Gln Lys Met Lys Lys Leu Asp Lys Ile Leu Ala Lys Lys Gln
1   5   10   15

Arg Arg Glu Lys
            20

<210> 4688
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4688
His Phe Leu Glu Ser His Tyr Leu His Glu Gln Val Lys Thr Ile Lys
1   5   10   15

Glu Leu Gly Gly
            20

<210> 4689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4689
Glu Lys Ile Lys Gln Arg Leu Phe Glu Asn Leu Arg Met Leu Pro His
1   5   10   15

Ala Pro Gly Val
            20

<210> 4690
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4690
Thr Ile Phe Glu Asn Leu Lys Met Leu Asn His Ala Pro Ser Val Gln
1   5   10   15

Ile His Asp Val
            20

<210> 4691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4691
Pro Ser Gln Lys Pro Ser Gly Phe Lys Ser Gly Gln His Pro Leu Asn
1   5   10   15

Gly Gln Pro Leu
            20

<210> 4692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4692
Gly Ser Glu Thr Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys
1   5   10   15

Asp Gly Phe Asp
            20

<210> 4693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4693
Ile Glu Glu Ile Pro Ala Tyr Leu Pro Asn Gly Ala Ala Leu Lys Asp
1   5   10   15

Ser Val Gln Arg
            20

<210> 4694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4694
Asp Val Gly Tyr Gly Arg Ser Ile Ser Ser Ser Ser Ser Leu Arg Arg
1   5   10   15

Ser Ser Lys Glu
            20

<210> 4695
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4695
Ser Arg Gly Ala Thr Thr Phe Ile Tyr Asn Arg Ala Val Lys Asn Thr
1   5   10   15

Arg Lys Val Ala
            20

<210> 4696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4696
Pro Arg Ala His Ala Glu Ile Arg Lys Met Ser Leu Leu Lys Phe Leu
1   5   10   15

Ala Lys Val Asn
            20

<210> 4697
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4697
Val Lys Gly Leu Ile Thr Lys Ala Glu Met Leu Gly Ser Val Ile Lys
1   5   10   15

Asn Tyr Glu Asp

20

<210> 4698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4698
Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr
1 5 10 15

Leu Gly Glu Val
20

<210> 4699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4699
Glu Glu Arg Ala Gln Val Arg Ser Ser Val Arg Ala Arg Arg Arg Thr
1 5 10 15

Thr Ala Thr Thr
20

<210> 4700
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4700
Ile Glu Lys Lys Gln Ser Phe Ser Gln Gly Leu Ser Ser Thr Val Gln
1 5 10 15

Ser Arg Thr Asp
20

<210> 4701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4701
Phe Pro Glu Ile Phe Arg Lys Val Ser Gln Arg Thr Glu Leu Val Phe
1 5 10 15

Gly Leu Ala Leu
            20

<210> 4702
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4702
Ser Leu Leu Gln Ile Pro Met Thr Ser Ser Phe Ser Ser Thr Leu Leu
1   5   10   15

Ser Ile Phe Gln
            20

<210> 4703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4703
Thr Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe
1   5   10   15

His Ile Ser Asn
            20

<210> 4704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4704
Thr Glu Thr Gln Val Lys Ile Trp Phe Gln Asn Arg Arg Tyr Lys Thr
1   5   10   15

Lys Arg Lys Gln
            20

<210> 4705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4705
Met Gln Asp Pro Ala Phe Val Lys Gln Ala Val Asn Leu Leu Gln Glu
1   5   10   15

Ala Asn Phe His
            20

<210> 4706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4706
Gln Met Glu Met Leu Lys Leu Thr Met Asn Lys Arg Tyr Asn Val Ser
1   5   10   15

Gln Gln Ala Leu
            20

<210> 4707
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4707
Ala Gln Arg Lys Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr Ala Gly
1   5   10   15

Asp Ala Leu Arg
            20

<210> 4708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4708
Ala Thr Ser Ala Gln Asn Ile Glu Phe Leu Gln Val Ile Ala Lys Arg
1   5   10   15

Glu Glu Ala Ile
            20

<210> 4709
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4709
Pro Ile Asn Ile Trp Ile Phe Glu Leu Glu Arg Asn Val Ser Ile Pro
1   5   10   15

Ile Gly Trp Ser
            20

<210> 4710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4710
Thr His Asn Arg Leu Lys Ser Leu Met Lys Ile Leu Ser Glu Val Thr
1   5   10   15

Pro Asp Gln Ser
            20

<210> 4711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4711
Ser Gln Glu Ile Glu Met His Ala Asp Asn Pro Ala Ala Ile Gln Thr
1   5   10   15

Val Val Leu Gln
            20

<210> 4712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4712
Tyr Asn Pro Leu Met Glu Ala Arg Arg Leu Arg Ser Ala Leu Leu Phe
1   5   10   15

Gln His Glu Asp
            20

<210> 4713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4713
Phe Gly Glu Arg His Ile Phe Asp Gly Asn Ser Leu Leu Leu Ser Arg
1   5   10   15

Pro Leu Lys Glu
            20

<210> 4714
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4714
Ser Asn Lys Ala Lys Ala Phe Asp Gly Ala Ile Leu Phe Leu Ser Gln
1   5   10   15

Lys Leu Glu Glu
            20

<210> 4715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4715
Leu Lys Lys Glu Gly Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser
1   5   10   15

Trp Asp Ala Glu
            20

<210> 4716
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4716
Gln Gln Arg Lys Lys Met Glu Lys Glu Ala Gln Arg Leu Met Lys Lys
1   5   10   15

Glu Gln Asn Lys
20

<210> 4717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4717
Glu Lys Val His Ser Leu Phe Arg Arg Gln Leu Ala Ile Pro Leu Tyr
1 5 10 15

Asp Met Glu Ala
20

<210> 4718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4718
Glu Gln Glu Gln Ser Ser Leu Arg Ala Ser Leu Glu Ile Glu Leu Ser
1 5 10 15

Asn Leu Lys Ala
20

<210> 4719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4719
Asn Leu Leu Thr Gly Ala Gln Asn Glu Phe Lys Lys Glu Met Ala Met
1 5 10 15

Leu Gln Lys Lys
20

<210> 4720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4720
Glu Arg Lys Leu Ser Leu Glu Asn Lys Leu Leu Gln Leu Lys Ser Ser

1 5 10 15

Ala Thr Tyr Gly
20

<210> 4721
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4721
Ser Tyr Asn His Lys Gln Ile Glu Gln Leu Tyr Ala Ala Gln Leu Ala
1 5 10 15

Ser Met Gln Val
20

<210> 4722
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4722
Arg Glu Ile Leu Arg Glu Gln Pro Asp Asn Ile Pro Ala Phe Ala Ala
1 5 10 15

Ala Tyr Phe Glu
20

<210> 4723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4723
His Leu Ser Lys Ser Asp Leu Leu Ala Asn Gln Ser Gln Glu Val Leu
1 5 10 15

Glu Glu Arg Thr
20

<210> 4724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4724
Ala Ser Ile Glu Asn Ile Ile Gln Asp Ile Ile Thr Ser Leu Ala Arg
1   5   10   15

Asn Glu Ala Pro
            20

<210> 4725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4725
Gly Lys His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val
1   5   10   15

Ile Tyr Glu Glu
            20

<210> 4726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4726
Gln Ile Pro Glu Lys Ile Gln Lys Ala Phe Asp Asp Ile Ala Lys Tyr
1   5   10   15

Phe Ser Lys Glu
            20

<210> 4727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4727
Lys Tyr Phe Ser Glu Lys Glu Trp Glu Lys Met Lys Ala Ser Glu Lys
1   5   10   15

Ile Ile Tyr Val
            20

<210> 4728

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4728
Ala Glu Gly Pro Ser Thr Leu Asp Glu Gly Leu Phe Leu Arg Ser Gln
1   5   10   15

Glu Ala Ala Ala
            20

<210> 4729
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4729
Asp Ala Asp Ser Ser Ala Gln Ala Ala Ala Gln Ala Pro Glu Asn Phe
1   5   10   15

Gln Glu Gly Lys
            20

<210> 4730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4730
Val Ser Arg Glu Ala Ile Leu Arg Phe Gly Phe Leu Gln Glu Phe Ser
1   5   10   15

Lys Glu Glu Arg
            20

<210> 4731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4731
Gly Gly Ala Glu Ser Glu Arg Gly Leu Pro Ala Ser Thr Leu Ser Arg
1   5   10   15

Leu Ser Asn Arg
            20

<210> 4732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4732
Gly Phe Trp Lys Ser Glu Leu Ser Tyr Glu Leu Asp Arg Leu Leu Thr
1   5   10   15

Glu Asn Gln Asn
            20

<210> 4733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4733
Ala Leu Lys Ser Arg Ile Ser Trp Glu Gly Leu Leu Ala Leu Asp Asn
1   5   10   15

Gly Glu Met Glu
            20

<210> 4734
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4734
Arg Pro Lys Arg Phe Tyr Leu Glu Tyr Tyr Asn Asn Asn Arg Thr Thr
1   5   10   15

Pro Val Trp Pro
            20

<210> 4735
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4735
Val Leu Gly Glu Ala Trp Arg Asp Gln Val Asp Trp Ser Arg Leu Leu
1   5   10   15

Arg Asp Ala Gly
            20

<210> 4736
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4736
Ser Asp Val Pro Val Leu Gln Val Ile Met His Ser Arg Tyr Arg Ala
1   5   10   15

Gln Arg Phe Trp
            20

<210> 4737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4737
Phe Lys Trp Asn Ser Asp Phe Ile Asn His Gln Ile Ile Tyr Ala Gly
1   5   10   15

Glu Lys Asn His
            20

<210> 4738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4738
Leu Arg His Leu Asp Leu Ser Asn Asn Ser Leu Val Ser Leu Thr Tyr
1   5   10   15

Val Ser Phe Arg
            20

<210> 4739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4739

Lys Thr Leu Glu Phe Ala Gly Gln Asp Leu Ser Ala Tyr Leu Leu Lys
1   5   10   15

Ser Leu Phe Lys
            20

<210> 4740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4740
Tyr Lys Glu Val Ser Lys Met Val Lys Asp Ala Leu Thr Ala Ile Glu
1   5   10   15

Lys Pro Thr Gly
            20

<210> 4741
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4741
Leu Met Thr Asp Thr Gln Phe Val Ser Ala Val Lys Arg Thr Val Phe
1   5   10   15

Ser His Gly Ser
            20

<210> 4742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4742
Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His Leu Gln
1   5   10   15

Lys Val Phe Asp
            20

<210> 4743
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4743
Glu Val Pro Ala Gln Leu Leu Asp Ala Glu Gly Ala Ile Lys Ile Gly
1   5   10   15

Ser Glu Lys Ser
            20

<210> 4744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4744
Glu Lys Val Ser Asp Ile Met Leu Gln Lys Leu Lys Ser Leu His Leu
1   5   10   15

Lys Lys Lys Thr
            20

<210> 4745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4745
Asp Ser Arg Phe Gly His Phe Arg Leu Ser Ser Gly Lys Phe Tyr Gly
1   5   10   15

His Lys Glu Lys
            20

<210> 4746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4746
Val Glu Trp Met Ser Ile Phe Lys Pro Ser Lys Met Gln Arg Ile Val
1   5   10   15

Arg Leu Lys Ser
            20

<210> 4747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4747
Ser Gln Ile Asp Asp Phe Thr Gly Phe Ser Lys Asp Arg Met Met Gln
1   5   10   15

Lys Pro Gly Ser
            20

<210> 4748
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4748
Leu Leu Glu Lys Asp Pro Tyr Ala Leu Asp Val Pro Asn Thr Ala Phe
1   5   10   15

Gly Arg Glu His
            20

<210> 4749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4749
Asn Ser Thr Ala Leu Ala Leu Val Arg Pro Ser Ser Ser Gly Leu Ile
1   5   10   15

Asn Ser Asn Thr
            20

<210> 4750
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4750
Pro Arg Met Glu Glu Lys Glu Ala Leu Val Pro Ile Gln Lys Ala Thr
1   5   10   15

Asp Ser Phe His

20

<210> 4751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4751
Thr Arg Pro Lys Lys Met Gly Ser Gln Leu Pro Lys Pro Arg Met Leu
1 5 10 15

Arg Glu Ser Gly
20

<210> 4752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4752
Met Gly Lys Arg Leu Asp Tyr Leu Asn Leu Lys Gly Ala Arg Leu Thr
1 5 10 15

Val Glu Gln Gly
20

<210> 4753
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4753
Leu Ser Asp Asp Lys Met Glu His Ala Gln Lys Leu Met Arg Leu Gln
1 5 10 15

Asn Leu Arg Gly
20

<210> 4754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4754
Lys Leu Glu Ser Ser His Ser Arg Gly Ser Met Thr Ala Leu Gly Gly
1 5 10 15

Ala Ser Ser Ser
            20

<210> 4755
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4755
Tyr Tyr Pro Glu Asp Leu Phe Ile Asp Lys Lys Val Leu Lys Val Ala
1   5   10   15

His Val Glu His
            20

<210> 4756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4756
Asn His His Ser Glu Arg Ser Arg Asn His Leu Glu Arg Ser Leu Ser
1   5   10   15

Gln Ser Asp Arg
            20

<210> 4757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4757
Glu Gly Asp Ala Leu Arg Tyr Met Ile Glu Arg Thr Val Asn Trp Gln
1   5   10   15

His Arg Ala Gln
            20

<210> 4758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4758
Leu Asp Lys Leu Asn Gly Phe Gln Leu Glu Asn Phe Thr Leu Lys Val
1   5   10   15

Ala Tyr Ile Pro
            20

<210> 4759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4759
Leu Leu Arg Glu Leu Asp Val Met Asn Ser Val Ile Ala Gln Leu Ala
1   5   10   15

Pro Glu Glu Glu
            20

<210> 4760
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4760
Arg Glu Gly Ala Gly Arg Met Arg Val Val Gly Trp Gly Leu Gly Ser
1   5   10   15

Ala Ser Pro Glu
            20

<210> 4761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4761
Leu Ser Thr Glu Lys Ser Lys Lys Leu Lys Lys Trp Pro Glu Ala Ser
1   5   10   15

Thr Thr Lys Arg
            20

<210> 4762
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4762
Gly Ser Ile Pro Leu Trp Leu Gln Asn Phe Val Arg Ile Leu Leu Asn
1   5   10   15

Glu Glu Asp Met
            20

<210> 4763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4763
Gln Ser Pro Gln Gly Ala Ser Ala Phe Pro Thr Thr Ile Asn Phe Thr
1   5   10   15

Arg Gln Arg Gln
            20

<210> 4764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4764
Gly Ser Val Ile Lys Asn Tyr Glu Asp Tyr Phe Pro Glu Ile Phe Arg
1   5   10   15

Glu Ala Ser Val
            20

<210> 4765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4765
Lys Leu Leu Thr Gln His Phe Val Gln Glu Asn Tyr Leu Glu Tyr Arg
1   5   10   15

Gln Val Pro Gly
            20

<210> 4766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4766
Thr Thr Glu Glu Gln Glu Ala Ala Val Ser Ser Ser Ser Pro Leu Val
1   5   10   15

Pro Gly Thr Leu
            20

<210> 4767
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4767
Val Gly Lys Glu His Met Phe Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 4768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4768
Phe Trp Ala Lys Val Asn Lys Thr Val Pro Ser Ala Phe Gln Phe Trp
1   5   10   15

Tyr Glu Glu Ala
            20

<210> 4769
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4769
Glu Pro Thr Thr Lys Ala Glu Met Leu Lys Ile Ile Ser Lys Lys Tyr
1   5   10   15

Lys Glu His Phe
            20

<210> 4770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4770
Ile Glu Ser Glu Pro Leu Phe Thr Tyr Thr Leu Asp Glu Lys Val Asp
1   5   10   15

Glu Leu Ala Arg
            20

<210> 4771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4771
Lys Lys Lys Val Leu Glu Phe Leu Ala Lys Leu Asn Asn Thr Val Pro
1   5   10   15

Ser Ser Phe Pro
            20

<210> 4772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4772
Ala Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp
1   5   10   15

Val Pro Phe Pro
            20

<210> 4773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4773
Pro Thr Pro Ser Lys Pro Leu Thr Ser Phe Leu Ile Gln Asp Ile Leu

1 5 10 15

Arg Asp Gly Ala
20

<210> 4774
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4774
Ser Ser Arg Ser Val Glu Leu Asn Gly Phe Met Ala Phe Arg Glu Gln
1 5 10 15

Tyr Met Gly Met
20

<210> 4775
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4775
Ser Asn Leu Gln Asn Asn Tyr Ala His Leu Thr Asn Ser Ser Ile Asn
1 5 10 15

Lys Ser Gly Ala
20

<210> 4776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4776
Lys Leu Val Glu Ala Glu Met Asp Gly Ala Ala Ala Ala Lys Gln Val
1 5 10 15

Met Ala Leu Lys
20

<210> 4777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4777
Ser Ala Pro Ser His Ser Ile Ser Ala Arg Thr Lys Ala Phe Arg Val
1   5   10   15

Asp Ser Thr Pro
            20

<210> 4778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4778
Ala Phe Ser Lys Lys Trp Leu Asp Leu Ser Arg Ser Leu Phe Tyr Gln
1   5   10   15

Arg Trp Pro Val
            20

<210> 4779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4779
Asp Leu Asn Leu Glu Trp Ile Ser Leu Pro Arg Ser Trp Thr Tyr Gly
1   5   10   15

Ile Thr Arg Gly
            20

<210> 4780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4780
Asn Ser Leu Ile Gln Asn Leu Phe Lys Val Thr Pro Ala Met Gly Met
1   5   10   15

Gln Met Arg Lys
            20

<210> 4781

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4781
Lys Trp Tyr Ser Arg Val Val Phe Gln Met Pro His Gln Glu Ile Val
1   5   10   15

Asp Ser Leu Lys
            20

<210> 4782
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4782
Leu His Ser Trp Leu Ile Leu Tyr Ser Arg Ser Ser His Arg Glu Ala
1   5   10   15

Met Ser Leu Lys
            20

<210> 4783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4783
Gln Leu Thr Thr Leu Ser Phe Tyr Gly Asn Ser Ile Ser Ile Ser Ala
1   5   10   15

Leu Gln Ser Leu
            20

<210> 4784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4784
Glu Met Lys Thr Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val
1   5   10   15

Lys Asn Phe Thr
            20

<210> 4785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4785
Pro Ala Pro Asp Asn Val Leu Leu Thr Leu Arg Pro Arg Arg Ile Asn
1   5   10   15

Met Thr Asp Thr
            20

<210> 4786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4786
Lys Asp Lys Arg Asp Tyr Leu Trp Thr Ser Ala Lys Asn Thr Leu Ser
1   5   10   15

Thr Pro Leu Pro
            20

<210> 4787
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4787
Gln Glu Glu Lys Ile Leu Asn Met Phe Arg Gln Gln Gln Lys Ile Leu
1   5   10   15

Gln Gln Ser Arg
            20

<210> 4788
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4788
Asp Gln Glu Gln Gly Arg Lys Leu Arg Ser Thr Met Leu Glu Leu Glu
1   5   10   15

Lys Gln Gly Leu
            20

<210> 4789
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4789
Lys Lys Ile Arg Thr Thr Leu Gln Lys Ile Arg Thr Gln Met Phe Lys
1   5   10   15

Asp Glu Ile Arg
            20

<210> 4790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4790
Gln Ser Ser Gly Ile Ser Phe Gln Ser Lys Tyr Leu Ser Phe Phe Ile
1   5   10   15

Leu Gly Gln Thr
            20

<210> 4791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4791
Thr Pro Asn Asn His Phe Thr Leu Glu Asp Ile Gln Ala Leu Lys Arg
1   5   10   15

Gln Tyr Glu Leu
            20

<210> 4792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4792

Gly Tyr Arg Asn Lys Ile Tyr Val Val Gln Pro Lys Ala Met Lys Ile
1   5   10   15

Glu Lys Ser Phe
            20

<210> 4793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4793
Glu Met Thr Glu Asp Ile Met Arg Asp Arg Ile Glu Gln Val Arg Arg
1   5   10   15

Ser Ile Ser Arg
            20

<210> 4794
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4794
Tyr Ala Thr Lys Arg Asp Ile Tyr Tyr Thr Asp Ser Gln Leu Phe Gly
1   5   10   15

Asn Gln Thr Val
            20

<210> 4795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4795
Met Asn Gly Asp Asp Ala Phe Ala Arg Arg Pro Thr Val Gly Ala Gln
1   5   10   15

Ile Pro Glu Lys
            20

<210> 4796
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4796
Met Asn Gly Asp Asp Thr Phe Ala Arg Arg Pro Thr Val Gly Ala Gln
1   5   10   15

Ile Pro Glu Lys
            20

<210> 4797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4797
Val Thr Leu Pro Pro Phe Met Arg Ser Lys Arg Ala Ala Asp Phe His
1   5   10   15

Gly Asn Asp Phe
            20

<210> 4798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4798
Arg Gly Lys His Ala Trp Thr His Arg Val Arg Glu Arg Lys Gln Leu
1   5   10   15

Val Ile Tyr Glu
            20

<210> 4799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4799
Val His Leu Lys Glu Ile Leu Ser Lys Lys Gln Glu Thr Leu Arg Ile
1   5   10   15

Leu Arg Leu His
            20

<210> 4800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4800
Leu Gly Val Thr Lys Glu Ile Ala Ile Trp Ala Glu Arg Ile Met Phe
1   5   10   15

Ser Asp Leu Arg
            20

<210> 4801
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4801
Leu Val Asn Glu Val Phe Thr Ile Asp Asp Thr Leu Gln Thr Leu Lys
1   5   10   15

Leu Arg Leu Arg
            20

<210> 4802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4802
Tyr Gly Leu Glu His Ile Phe Phe Asp Ala Ala Lys Asn Leu Val Trp
1   5   10   15

Lys Glu Arg Thr
            20

<210> 4803
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4803
Pro Ser Thr Thr Met Thr Lys Ala Arg Lys Arg Arg Arg Arg Arg Arg
1   5   10   15

Leu Met Glu Leu

20

<210> 4804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4804
Lys Ala Arg Gln Ser Glu Ala Asp Asn Asn Thr Leu Lys Leu Glu Leu
1 5 10 15

Ile Thr Ala Glu
20

<210> 4805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4805
His His Asn Ser Ser Leu Asn Phe Phe Asn Trp Phe Ser Asp His Asn
1 5 10 15

Phe Ala Gly Ser
20

<210> 4806
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4806
Gln Asp Phe Ala Lys Tyr Ile Glu Met His Val Ile Val Glu Lys Gln
1 5 10 15

Leu Tyr Asn His
20

<210> 4807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4807
Asp Ser Glu Glu Lys Gln Phe Ser Thr Met Arg Ser Gly Phe Met Gln
1 5 10 15

Asn Glu Ile Thr
            20

<210> 4808
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4808
Lys Gln Leu Gln Ala Val Leu Gln Trp Val Ala Ala Ser Glu Leu Asn
1   5   10   15

Val Pro Ile Leu
            20

<210> 4809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4809
Met Thr Asp Ser Asp Phe Val Ser Ala Val Lys Arg Asn Leu Phe Asn
1   5   10   15

Gln Trp Lys Gln
            20

<210> 4810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4810
Arg Tyr Lys Ser Tyr Ser Pro Tyr Asp Met Leu Glu Ser Ile Arg Lys
1   5   10   15

Glu Val Lys Gly
            20

<210> 4811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4811
Leu Lys Ala Val His Gln Gln Leu Gln Val Leu Ser Gln Val Pro Phe
1   5   10   15

Arg Lys Leu Asn
            20

<210> 4812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4812
Ala Ile Ser Ala Arg Phe Lys Pro Phe Ser Asn Lys Gly Lys Thr Leu
1   5   10   15

Val Ile Gln Tyr
            20

<210> 4813
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4813
Leu His Asn Leu Arg Gln Ile Tyr Val Lys Gln Gln Ser Asp Leu Gln
1   5   10   15

Phe Leu Asn Phe
            20

<210> 4814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4814
Glu Glu Gly Glu Gln Ala Ala Gly Leu Ala Ala Val Pro Arg Gly Gly
1   5   10   15

Ser Ala Glu Glu
            20

<210> 4815
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4815
Leu Ser Gly Pro Ala Glu Leu Arg Ser Phe Asn Met Pro Ser Leu Asp
1   5   10   15

Lys Met Asp Gly
            20

<210> 4816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4816
Met Ser Gly Asp Glu Arg Ser Asp Glu Ile Val Leu Thr Val Ser Asn
1   5   10   15

Ser Asn Val Glu
            20

<210> 4817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4817
Leu Val Tyr Asp Gly Val Arg Asp Ile Arg Lys Ala Val Leu Met Ile
1   5   10   15

Arg Thr Pro Glu
            20

<210> 4818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4818
Leu Glu His Thr Leu Leu Ser Lys Gly Phe Arg Gly Ala Ser Pro His
1   5   10   15

Arg Lys Ser Thr
            20

<210> 4819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4819
Val Ala Phe Trp Ile Ile Lys Leu Pro Arg Arg Arg Ser His Gln Asp
1   5   10   15

Ala Leu Glu Gly
            20

<210> 4820
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4820
Lys Thr Gln Asn Asp Val Asp Ile Ala Asp Val Ala Tyr Tyr Phe Glu
1   5   10   15

Lys Asp Val Lys
            20

<210> 4821
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4821
Ile Val Lys Asp Ala Arg Leu Asn Gly Ser Val Ala Ser Tyr Ile Leu
1   5   10   15

Ala Ser His Asn
            20

<210> 4822
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4822
Leu Gln Glu Tyr Ala Gly Asn Phe Gln Gly Ile Arg Phe His Tyr Asp
1   5   10   15

Arg Asn Pro Gly
20

<210> 4823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4823
Glu Met Glu Asn Thr Lys Lys Phe Leu Ser Leu Thr Ala Val Ser Glu
1 5 10 15

Glu Thr Val Gly
20

<210> 4824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4824
Val Leu Leu Gly Leu Phe Ser Thr Ile His Asp Ser Ile Gln Tyr Val
1 5 10 15

Gln Lys Asn Ala
20

<210> 4825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4825
Pro Lys Ala Ser Thr Trp Val Val Ala Ser Arg Arg Ser Ser Thr Val
1 5 10 15

Ser Arg Ala Pro
20

<210> 4826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4826
Asn Gln Pro Glu Gln Val Ile Leu Tyr Gln Gly Gly Gln Met Phe Asp

1 5 10 15

Gly Ala Pro Arg
20

<210> 4827
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4827
Lys Lys Asn Ser Tyr His Phe Ser Ala Gly Phe Gly Ser Pro Ile Glu
1 5 10 15

Asp Lys Ser Glu
20

<210> 4828
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4828
Val Leu Lys Asp Phe Thr Val Ser Gly Asn Leu Leu Phe Met Ser Val
1 5 10 15

Arg Asp Gln Asp
20

<210> 4829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4829
Lys Leu Leu Thr Gln Asp Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg
1 5 10 15

Gln Val Pro Gly
20

<210> 4830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4830
Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Val Leu Glu Val Phe
1   5   10   15

Glu Gly Arg Glu
            20

<210> 4831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4831
Lys Ser Pro Gln Gly Ala Ser Ala Ile Pro Thr Ala Ile Asp Phe Thr
1   5   10   15

Leu Trp Arg Gln
            20

<210> 4832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4832
Leu Arg Lys Leu Leu Thr Gln Glu Trp Val Gln Glu Asn Tyr Leu Glu
1   5   10   15

Tyr Arg Gln Ala
            20

<210> 4833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4833
Asp His Phe Thr Glu Ile Leu Asn Gly Ala Ser Arg Arg Leu Glu Leu
1   5   10   15

Val Phe Gly Leu
            20

<210> 4834

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4834
Lys Ala Ser Glu Gly Leu Ser Val Val Phe Gly Leu Glu Leu Asn Lys
1   5   10   15

Val Asn Pro Asn
            20

<210> 4835
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4835
Ile Leu Lys Lys Ala Ser Phe Asn Met Glu Val Val Phe Gly Val Asp
1   5   10   15

Leu Lys Lys Val
            20

<210> 4836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4836
Asp Thr Thr Pro Asn Asn Phe Pro Leu Leu Tyr Glu Glu Ala Leu Arg
1   5   10   15

Asp Glu Glu Glu
            20

<210> 4837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4837
Asp Ser Ser Gly Glu Ser Tyr Thr Leu Val Ser Lys Leu Gly Leu Pro
1   5   10   15

Ser Glu Gly Ile
            20

<210> 4838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4838
Met Ile Val Ile Lys Tyr Lys Asp Tyr Phe Pro Val Ile Leu Lys Arg
1   5   10   15

Ala Arg Glu Phe
            20

<210> 4839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4839
Glu Lys Gln Arg Glu Leu Lys Thr Ala Arg Thr Leu Ser Leu Phe Tyr
1   5   10   15

Gly Val Asn Val
            20

<210> 4840
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4840
Thr Asp Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu
1   5   10   15

Gln Ile Tyr Lys
            20

<210> 4841
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4841
Ala Glu Thr Glu Pro Glu Arg His Leu Gly Ser Tyr Leu Leu Asp Ser
1   5   10   15

Glu Asn Thr Ser
            20

<210> 4842
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4842
Arg Asn Lys Ser Val Arg Tyr Leu Asp Leu Ser Ala Asn Val Leu Lys
1   5   10   15

Asp Glu Gly Leu
            20

<210> 4843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4843
Arg Ser Leu Asp Pro Gln Ser Tyr Ser Leu Ile His Gln Leu Leu Ser
1   5   10   15

Ala Glu Asp Leu
            20

<210> 4844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4844
Pro Asn Asp Tyr Thr Lys Phe Val Ala Glu Tyr Phe Gln Glu Arg Gln
1   5   10   15

Met Leu Gly Thr
            20

<210> 4845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4845

Glu Ala Glu Leu Ala Arg Arg Ser Leu Ala Gln Asp Ala Pro Pro Leu
1   5   10   15

Pro Val Pro Gly
            20

<210> 4846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4846
Ser Met Gln Asn Tyr Val Gln Phe Leu Lys Ser Ser Tyr Ala Asn Val
1   5   10   15

Phe Gly Asp Gly
            20

<210> 4847
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4847
Asp Val Arg Val Thr Lys Phe Lys Ala Pro Gln Tyr Thr Met Ala Ala
1   5   10   15

Arg Val Glu Pro
            20

<210> 4848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4848
Leu His Lys Glu Lys Tyr Thr Leu Glu Gln Ala Leu Leu Ser Ala Ser
1   5   10   15

Gln Glu Ile Glu
            20

<210> 4849
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4849
Ile Tyr Thr Arg Arg Asn Tyr Glu Ala Ala Asn Ser Leu Ile Gln Asn
1   5   10   15

Leu Phe Lys Val
            20

<210> 4850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4850
Leu Val Gly Asn Ile Val Ile Thr Arg Tyr Asn Asn Arg Thr Tyr Arg
1   5   10   15

Ile Asp Asp Val
            20

<210> 4851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4851
Ile Arg Lys Thr Gln Lys Ile Val Ile Lys Lys Arg Glu Pro Leu Asn
1   5   10   15

Phe Gly Ile Pro
            20

<210> 4852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4852
Gly Ala Ile Arg Lys Met Arg Glu Asp Arg Trp Ala Val Ile Ala Lys
1   5   10   15

Met Asp Arg Lys
            20

<210> 4853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4853
Leu Gln Lys Lys Ile Met Met Glu Thr Gln Gln Gln Glu Ile Ala Ser
1   5   10   15

Val Arg Lys Ser
            20

<210> 4854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4854
Glu Lys Glu Lys Arg Thr Leu Leu Glu Arg Lys Leu Ser Leu Glu Asn
1   5   10   15

Lys Leu Leu Gln
            20

<210> 4855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4855
Glu Val Leu Glu Glu Arg Thr Arg Ile Gln Phe Ile Arg Trp Ser His
1   5   10   15

Thr Arg Ile Phe
            20

<210> 4856
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4856
Pro Thr Gly Gly Ser Arg Leu Ala Ser Ser Ser Glu Val Leu Ala Ser
1   5   10   15

Ile Glu Asn Ile

20

<210> 4857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4857
Ala Phe Asp Asp Ile Ala Thr Tyr Phe Ser Lys Lys Glu Trp Lys Lys
1 5 10 15

Met Lys Tyr Ser
20

<210> 4858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4858
Trp Glu Lys Met Lys Ala Ser Glu Lys Ile Phe Tyr Val Tyr Met Lys
1 5 10 15

Arg Lys Tyr Glu
20

<210> 4859
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4859
Trp Glu Lys Met Lys Ser Ser Glu Lys Ile Val Tyr Val Tyr Met Lys
1 5 10 15

Leu Asn Tyr Glu
20

<210> 4860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4860
Asn Gly Asp Asp Ala Phe Val Arg Arg Pro Arg Val Gly Ser Gln Ile
1 5 10 15

Pro Glu Lys Met
            20

<210> 4861
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4861
Asn Glu Gly Thr Ser Ser Ile Val Met Glu Ile Gln Lys Gln Ile Glu
1   5   10   15

Lys Lys Glu Lys
            20

<210> 4862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4862
Ala Ala Val Ala Leu Val Ser Ser Ser Ala Trp Ser Ser Ala Leu Gly
1   5   10   15

Ser Gln Thr Thr
            20

<210> 4863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4863
Ile Met Leu Leu Glu Arg Ser Ile Met Ala Lys Glu Gly Pro Leu Lys
1   5   10   15

Val Ala Gln Thr
            20

<210> 4864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4864
Lys Asp Arg Thr Met Asn Leu Gln Asp Ile Arg Tyr Ile Leu Lys Asn
1   5   10   15

Asp Leu Lys Asp
            20

<210> 4865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4865
Lys Asp Leu Arg Arg His Lys Ile Tyr Gly Arg Lys Arg Arg Leu Thr
1   5   10   15

Ser Gln Asp Ser
            20

<210> 4866
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4866
Ser Glu Ile Glu Leu Leu Arg Ser Gln Met Ala Asn Glu Arg Ile Ser
1   5   10   15

Met Gln Asn Leu
            20

<210> 4867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4867
Glu Ser Glu Gln Ala Ala Leu Gly Glu Glu Ala Val Leu Leu Leu Asp
1   5   10   15

Asp Ile Met Ala
            20

<210> 4868
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4868
Asp Ser Phe Gln Asp Tyr Ile Lys Ser Tyr Leu Glu Gln Ala Ser Arg
1   5   10   15

Ile Trp Ser Trp
            20

<210> 4869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4869
Lys Ile Glu Ser Gln Arg Ile Ile Ser Gly Arg Ile Ser Gly Tyr Ile
1   5   10   15

Ser Glu Ala Ser
            20

<210> 4870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4870
Lys Leu Ser Gln Lys Phe Thr Lys Val Asn Phe Thr Glu Ile Gln Lys
1   5   10   15

Leu Val Leu Asp
            20

<210> 4871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4871
Asp Ala Met Leu Arg Lys Leu Tyr Asn Val Met Phe Ala Lys Lys Val
1   5   10   15

Pro Glu His Val
            20

<210> 4872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4872
Glu Val Asp Met Leu Lys Ile Arg Ser Glu Phe Lys Arg Lys Tyr Gly
1   5   10   15

Lys Ser Leu Tyr
            20

<210> 4873
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4873
Pro Ser Arg Gln Thr Ala Ile Ile Val Asn Pro Pro Pro Pro Glu Tyr
1   5   10   15

Ile Asn Thr Lys
            20

<210> 4874
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4874
Pro Ala Gln Leu Ala Ala Gln Met Leu Gly Lys Val Ser Ser Ile His
1   5   10   15

Ser Asp Gln Ser
            20

<210> 4875
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4875
Thr Ser Lys Leu Gln Arg Leu Leu Ala Glu Ser Arg Gln Met Val Thr
1   5   10   15

Asp Leu Glu Leu
20

<210> 4876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4876
Leu Lys Thr Glu Glu Asn Ser Phe Lys Arg Leu Met Ile Val Lys Lys
1 5 10 15

Glu Lys Leu Ala
20

<210> 4877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4877
Ser Pro Pro Ala Ser Asn Met Leu Lys Met Glu Trp Ser Arg Glu Val
1 5 10 15

Thr Thr Asn Ala
20

<210> 4878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4878
Ala Leu Leu Ala Arg Lys Gln Gly Ala Gly Asp Ser Leu Ile Ala Gly
1 5 10 15

Ser Ala Met Ser
20

<210> 4879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4879
Thr Leu Gln Thr Val His Phe Thr Ser Glu Ala Val Glu Leu Gln Asp

1 5 10 15

Met Ser Leu Leu
20

<210> 4880
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4880
Thr Asp Asn Asn Leu Ala Val Tyr Asp Leu Ser Arg Asp Ile Leu Asn
1 5 10 15

Asn Phe Pro His
20

<210> 4881
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4881
Leu Glu Gly Gly His Trp Leu Ser Glu Lys Arg His Arg Leu Gln Ala
1 5 10 15

Ile Arg Asp Gly
20

<210> 4882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4882
Ser Val Asp Ser Phe Gln Ile Val Leu Asp Pro Met Leu Asp Phe Tyr
1 5 10 15

Ser Asp Lys Asn
20

<210> 4883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4883
Pro Asn Thr Lys Ala Glu Met Glu Met Ser Leu Ala Glu Glu Leu Asn
1   5   10   15

His Gly Arg Gln
            20

<210> 4884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4884
Phe Glu Arg Ile Met Lys Tyr Glu Arg Leu Ala Arg Ile Leu Leu Gln
1   5   10   15

Glu Ile Pro Ile
            20

<210> 4885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4885
Pro Val Lys Gly Tyr Glu Leu Ala Val Thr Gln His Gln Gln Leu Ala
1   5   10   15

Glu Ile Asp Ile
            20

<210> 4886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4886
Met Ala Ala Ser Ala Leu Arg Gly Leu Pro Val Ala Gly Gly Gly Glu
1   5   10   15

Ser Ser Glu Ser
            20

<210> 4887

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4887
Arg Asn Arg Pro Gly Met Leu Val Leu Thr Pro Thr Arg Glu Leu Ala
1   5   10   15

Leu Gln Val Glu
            20

<210> 4888
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4888
Glu Met Thr Lys Tyr His Ser Asp Glu Tyr Ile Lys Phe Leu Arg Ser
1   5   10   15

Ile Arg Pro Asp
            20

<210> 4889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4889
Gln Val Asn Thr Asp Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser
1   5   10   15

Ser Lys Asp Gln
            20

<210> 4890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4890
Ser Ile Leu Lys Asn Leu Arg Arg Val His Pro Val Ser Thr Met Val
1   5   10   15

Lys Gly Leu Tyr
            20

<210> 4891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4891
Leu Gly Phe Ser Pro Gly Pro Ile Leu Pro Ser Thr Arg Lys Leu Tyr
1   5   10   15

Glu Lys Lys Leu
            20

<210> 4892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4892
Gly Ser Asp Pro Val Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu
1   5   10   15

Ala Glu Thr Ser
            20

<210> 4893
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4893
Glu Pro Arg Lys Leu Ile Thr Gln Asp Leu Val Lys Leu Lys Tyr Leu
1   5   10   15

Glu Tyr Arg Gln
            20

<210> 4894
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4894
Pro Val Ser Ser Ser Phe Ser Tyr Thr Leu Leu Ser Leu Phe Gln Ser
1   5   10   15

Ser Pro Glu Arg
            20

<210> 4895
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4895
Asn Ala Pro Pro Ala Tyr Glu Lys Leu Ser Ala Glu Gln Ser Pro Pro
1   5   10   15

Pro Tyr Ser Pro
            20

<210> 4896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4896
Arg Ala Lys Arg Lys Leu Tyr Thr Ser Glu Ile Ser Ser Pro Ile Asp
1   5   10   15

Ile Ser Gly Gln
            20

<210> 4897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4897
Ala Phe Ser His Thr Gln Val Ile Glu Leu Glu Arg Lys Phe Ser His
1   5   10   15

Gln Lys Tyr Leu
            20

<210> 4898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4898

Phe Lys Asp Pro Lys Arg Ala Met Glu Ala Phe Asn Leu Val Arg Glu
1   5   10   15

Ser Glu Gln Leu
            20

<210> 4899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4899
Ser Thr Trp Gln Glu Leu Ile Leu Leu Ser Ser Leu Thr Val Tyr Ser
1   5   10   15

Lys Gln Ile Phe
            20

<210> 4900
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4900
Pro Lys Lys Pro Ser Ala Phe Lys Pro Ala Ile Glu Met Gln Asn Ser
1   5   10   15

Val Pro Asn Lys
            20

<210> 4901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4901
Lys Asn Tyr Glu Gly Met Ile Asp Asn Tyr Lys Ser Gln Val Met Lys
1   5   10   15

Thr Arg Leu Glu
            20

<210> 4902
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4902
Ser Ile Pro Gln Phe Pro Ile Thr Ser Asp Ser Thr Ile Ser Thr Leu
1   5   10   15

Glu Thr Pro Gln
            20

<210> 4903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4903
Arg Ser Val Pro Ala Gly Leu Thr Leu Gln Ser Val Ser Pro Gln Ser
1   5   10   15

Leu Gln Gly Lys
            20

<210> 4904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4904
Arg Arg Ser Ile Ala Gly Phe Val Ala Ser Ile Asn Glu Gly Met Thr
1   5   10   15

Arg Trp Phe Ser
            20

<210> 4905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4905
Gly Ser Glu Gly Thr Val Val Gln Leu Leu Ala Asn His Phe Arg Val
1   5   10   15

Ile Ser Arg Pro
            20

<210> 4906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4906
Phe Glu Gly Arg Thr Arg Tyr Ser Arg Ile Thr Gly Gly Met Glu Ala
1   5   10   15

Glu Val Gly Glu
            20

<210> 4907
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4907
Ala Pro Arg Leu Ala Glu Tyr Gln Ala Tyr Ile Asp Phe Glu Met Lys
1   5   10   15

Ile Gly Asp Pro
            20

<210> 4908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4908
Glu Ser Lys Gln Leu Asn Val Tyr Glu Ile Lys Val Asn Lys Leu Glu
1   5   10   15

Leu Glu Leu Glu
            20

<210> 4909
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4909
Gly Glu Val Gln Asn Met Leu Glu Gly Val Gly Val Asp Ile Asn Lys
1   5   10   15

Ala Leu Leu Ala

20

<210> 4910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4910
Tyr Glu Ser Thr Ser Ala His Ile Ile Glu Glu Thr Glu Tyr Val Lys
1 5 10 15

Lys Ile Arg Thr
20

<210> 4911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4911
Ile Ala Lys Pro Asn Asn Ala Tyr Glu Phe Gly Gln Ile Ile Asn Ala
1 5 10 15

Leu Ser Thr Arg
20

<210> 4912
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4912
Ser Thr Ala His Ser Arg Ile Arg Lys Glu Arg Pro Ile Ser Leu Gly
1 5 10 15

Ile Phe Pro Leu
20

<210> 4913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4913
Gln Asp Ile His Val Thr Arg Asp Val Val Lys His His Leu Ser Lys
1 5 10 15

Ser Asp Leu Leu
            20

<210> 4914
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4914
Asp Val Leu Asp Arg His Arg Glu Ser Leu Leu Ala Ala Leu Arg Arg
1   5   10   15

Gly Gly Arg Glu
            20

<210> 4915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4915
Asp Asn Asp His Asn Arg Arg Ile Gln Val Glu His Pro Gln Met Thr
1   5   10   15

Phe Gly Arg Leu
            20

<210> 4916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4916
Phe Gly Arg Leu Gln Gly Ile Phe Pro Lys Ile Met Pro Lys Lys Pro
1   5   10   15

Ala Glu Glu Gly
            20

<210> 4917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4917
His Arg Leu Arg Glu Arg Lys Gln Leu Val Val Tyr Glu Glu Ile Ser
1   5   10   15

Asp Pro Glu Glu
            20

<210> 4918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4918
Gln Ile Pro Glu Lys Met Gln Lys Ala Phe Asp Asp Ile Ala Lys Tyr
1   5   10   15

Phe Ser Glu Lys
            20

<210> 4919
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4919
Lys Ile Glu Asp Leu Met Glu Met Val Gln Lys Leu Gln Lys Val Gly
1   5   10   15

Ser Leu Glu Pro
            20

<210> 4920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4920
Thr Ala Asp Glu Leu Arg Met Ile Ser Ser Thr Phe Leu Asn Leu Pro
1   5   10   15

Phe Gln Gly Ile
            20

<210> 4921
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4921
Arg Ile Thr Ile Gly Thr Leu Phe Ser Val Leu His Glu Arg Arg Ser
1   5   10   15

Gln Phe Pro Val
            20

<210> 4922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4922
Phe Arg Gln Pro Ile Phe Ser Gln Tyr Ala Ser His Gln Pro Leu Pro
1   5   10   15

Gln Ala Thr Tyr
            20

<210> 4923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4923
Arg Arg Gln Leu Asp Glu Thr Asn Asp Glu Leu Ala Gln Ile Ala Arg
1   5   10   15

Glu Arg Asp Ile
            20

<210> 4924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4924
Thr Pro Glu Ser Ala Pro Glu Glu Leu Leu Ala Val Gln Val Glu Leu
1   5   10   15

Glu Pro Val Asn
            20

<210> 4925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4925
Ala Tyr Pro Glu Lys Met Arg Asn Arg Val Leu Leu Glu Leu Asn Ser
1   5   10   15

Ala Asp Leu Asp
            20

<210> 4926
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4926
Asp Val Ala Phe Leu Leu Val Tyr Arg Glu Lys Ser Asn Tyr Val Gly
1   5   10   15

Ala Thr Phe Gln
            20

<210> 4927
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4927
Leu Gln Thr Met Lys Gln Glu Phe Leu Ile Asn Leu Val Lys Gln Lys
1   5   10   15

Pro Gln Ile Thr
            20

<210> 4928
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4928
Tyr Asp Ser Asp Ser Trp Ala Glu Asp Leu Ile Val Ser Ala Leu Leu
1   5   10   15

Leu Ile Gln Tyr
            20

<210> 4929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4929
Lys Glu Phe Ala Asp Ser Ile Ser Lys Gly Leu Met Val Tyr Ala Asn
1   5   10   15

Gln Val Ala Ser
            20

<210> 4930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4930
Ala Gln Arg Gln Asp Ile Ala Phe Ala Tyr Gln Arg Arg Thr Lys Lys
1   5   10   15

Glu Leu Ala Ser
            20

<210> 4931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4931
Tyr Asn Pro Pro Asp His Glu Val Val Thr Met Ala Arg Met Leu Gln
1   5   10   15

Asp Val Phe Glu
            20

<210> 4932
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4932
Glu Tyr Ser Asp Lys Thr Thr Gln Phe Pro Ser Val Tyr Ala Val Pro

1 5 10 15

Gly Thr Glu Gln
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<210> 4933
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4933
Lys Glu Ala Gln Glu Gln Glu Phe Leu Ser Leu Gln Glu Glu Phe Gln
1 5 10 15

Lys Leu Glu Lys
20

<210> 4934
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4934
Thr Gln Tyr Asp Leu Ser Glu Phe Glu Asn Ile Gly Ala Ile Gly Leu
1 5 10 15

Glu Leu Trp Gln
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<210> 4935
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4935
Asn Lys His Asn Glu Leu Arg Lys Ala Val Ser Pro Pro Ala Ser Asn
1 5 10 15

Met Leu Lys Met
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<210> 4936
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4936
Ser Val Arg Ser Arg Leu Tyr Val Gly Arg Glu Lys Lys Leu Ala Leu
1   5   10   15

Met Leu Ser Gly
            20

<210> 4937
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4937
Asp Ser Lys Leu Ala Val Ser Leu Ala Glu Thr Thr Gly Leu Ile Lys
1   5   10   15

Leu Glu Glu Glu
            20

<210> 4938
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4938
Ser Gly Leu Ile Asn Ser Asn Thr Asp Asn Asn Leu Ala Val Tyr Asp
1   5   10   15

Leu Ser Arg Asp
            20

<210> 4939
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4939
His Lys Asp Trp Ile Phe Ser Ile Ala Trp Ile Ser Asp Thr Met Ala
1   5   10   15

Val Ser Gly Ser
            20

<210> 4940

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4940
Leu Val Ile Ala Glu Met Met Glu Leu Gly Ser Arg Ser Arg Gly Ala
1   5   10   15

Ser Gln Lys Lys
            20

<210> 4941
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4941
Glu Asp Tyr Phe Ser His His Leu Ala Val Tyr Asn Ser Pro Gln Phe
1   5   10   15

Lys Lys Thr Met
            20

<210> 4942
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4942
Ser Thr Glu Pro Gly Ser Phe Lys Val Asp Thr Ala Ser Asn Leu Asn
1   5   10   15

Ser Gly Lys Glu
            20

<210> 4943
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4943
Lys Met Glu Glu Lys Tyr Gln Leu Thr Ala Arg Leu Asn Met Glu Gln
1   5   10   15

Leu Leu Gln Ser
            20

<210> 4944
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4944
Ile Pro Glu Glu Leu Val Ser Met Ala Glu Arg Phe Lys Ala His Gln
1   5   10   15

Gln Lys Arg Glu
            20

<210> 4945
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4945
Gln Asp Thr Asp Thr Lys Ile Thr Ile Ser Pro Leu Gln Glu Leu Thr
1   5   10   15

Leu Tyr Asn Pro
            20

<210> 4946
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4946
Ala Ala Tyr Asn Lys Leu Leu Asn Asn Asn Leu Ser Leu Lys Tyr Ser
1   5   10   15

Gln Thr Gly Tyr
            20

<210> 4947
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4947
Leu Asp Gly Ala Gln Asp Ser Asp Asp Ser Glu Glu Leu Asn Ile Ile
1   5   10   15

Leu Gln Gly Asn
            20

<210> 4948
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4948
Asp Gly Ser Phe Ser Phe Lys Leu Leu Asn Gln Leu Gly Met Ile Glu
1   5   10   15

Glu Pro Arg Leu
            20

<210> 4949
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4949
Leu Leu Thr Gln Asn Trp Val Gln Glu Lys Tyr Leu Val Tyr Arg Gln
1   5   10   15

Val Pro Gly Thr
            20

<210> 4950
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4950
Glu Glu Gln Glu Thr Ala Ser Ser Ser Ser Thr Leu Val Glu Val Thr
1   5   10   15

Leu Arg Glu Val
            20

<210> 4951
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4951

Val Ala Glu Leu Val Arg Phe Leu Leu Arg Lys Tyr Gln Ile Lys Glu
1   5   10   15

Pro Val Thr Lys
            20

<210> 4952
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4952
Leu Asn Gly Ala Ser Arg Arg Leu Glu Leu Val Phe Gly Leu Asp Leu
1   5   10   15

Lys Glu Asp Asn
            20

<210> 4953
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4953
Asn Ser Ala Thr Glu Glu Glu Ile Trp Glu Phe Leu Asn Met Leu Gly
1   5   10   15

Val Tyr Asp Gly
            20

<210> 4954
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4954
Ser Lys Met Lys Val Leu Glu Phe Trp Ala Lys Val Asn Lys Thr Val
1   5   10   15

Pro Ser Ala Phe
            20

<210> 4955
<211> 20
<212> PRT

<213> Homo sapiens

<400> 4955
Phe Arg Lys Val Ser Gln Arg Thr Glu Leu Val Phe Gly Leu Ala Leu
1   5   10   15

Lys Glu Val Asn
            20

<210> 4956
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4956
Pro His Ser Ser Pro Pro Tyr Tyr Glu Phe Leu Trp Gly Pro Arg Ala
1   5   10   15

His Ser Glu Ser
            20

<210> 4957
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4957
Gln Lys Phe Gly Asp Phe Leu Gln His Ser Pro Ser Ile Leu Gln Ser
1   5   10   15

Lys Ala Lys Lys
            20

<210> 4958
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4958
His Gln Lys Tyr Leu Ser Ala Pro Glu Arg Ala His Leu Ala Lys Asn
1   5   10   15

Leu Lys Leu Thr
            20

<210> 4959
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4959
Ser Asp Glu Gly Met Glu Val Ile Glu Arg Leu Ile Tyr Leu Tyr His
1   5   10   15

Lys Phe His Gln
            20

<210> 4960
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4960
Pro Ser Leu Ser Gln Glu Gln Gln Glu Met Val Gln Ala Phe Ser Ala
1   5   10   15

Gln Ser Gly Met
            20

<210> 4961
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4961
Ile Glu Val His Asn Lys Ala Ser Leu Thr Pro Leu Leu Leu Ser Ile
1   5   10   15

Thr Lys Arg Ser
            20

<210> 4962
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4962
Leu Lys Glu Lys Ile Val Leu Thr His Asn Arg Leu Lys Ser Leu Met
1   5   10   15

Lys Ile Leu Ser

20

<210> 4963
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4963
Met Gln Lys Leu Gly Phe Gly Thr Gly Val Asn Val Tyr Leu Met Lys
1 5 10 15

Arg Ser Pro Arg
20

<210> 4964
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4964
Tyr Asn Val Thr Ser Asp Tyr Ala Val His Pro Met Ser Pro Val Gly
1 5 10 15

Arg Thr Ser Arg
20

<210> 4965
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4965
Val Gly Gln Ser Ile His Arg Glu Pro Asn Leu Ser Leu Ser Asn Arg
1 5 10 15

Leu Tyr Tyr Leu
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<210> 4966
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4966
Val Ala Gly Ser Met Gly Phe Asn Val Asp Tyr Pro Lys Ile Ile Lys
1 5 10 15

Val Gln Glu Asn
            20

<210> 4967
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4967
Asn Leu Arg Arg Leu Leu Leu Ser His Ile His Ala Ser Ser Tyr Ile
1   5   10   15

Ser Pro Glu Lys
            20

<210> 4968
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4968
Glu Glu Asn Ser Arg Leu Leu Gln Glu Arg Gly Val Ala Tyr Ile Asn
1   5   10   15

Ala Asp Ser Ser
            20

<210> 4969
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4969
Lys Arg Arg Gly Pro Ala Tyr Val Met Glu Leu Pro Lys Leu Lys Leu
1   5   10   15

Ser Gly Val Val
            20

<210> 4970
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4970
Gln Val Ile Ser Val Thr Phe Glu Lys Ala Leu Asn Ala Gly Phe Ile
1   5   10   15

Gln Ala Thr Asp
            20

<210> 4971
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4971
Asp Ser Asp Pro Ala Leu Gln Lys Val Asn Phe Leu Pro Val Leu Glu
1   5   10   15

Gln Val Gly Asn
            20

<210> 4972
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4972
Asp Val Ile Glu Gly Lys Thr Ala Val Ile Glu Lys Arg Arg Lys Lys
1   5   10   15

Arg Ser Ser Ala
            20

<210> 4973
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4973
Glu Ala Gln Asn Lys Glu Leu Lys Thr Gln Val Ala Leu Ser Ser Glu
1   5   10   15

Thr Pro Arg Thr
            20

<210> 4974
<211> 20

<212> PRT
<213> Homo sapiens

<400> 4974
Asp Leu Asn Lys Val Ile Leu Leu Asp Pro Ser Ile Ile Glu Ala Lys
1   5   10   15

Met Glu Leu Glu
            20

<210> 4975
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4975
Asp Ile Met Arg Asp Arg Ile Glu Gln Val Arg Arg Ser Ile Ser Arg
1   5   10   15

Leu Thr Asp Val
            20

<210> 4976
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4976
Pro Asn Arg Gly Asn Gln Val Glu Arg Pro Gln Met Thr Phe Gly Arg
1   5   10   15

Leu Gln Gly Ile
            20

<210> 4977
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4977
Ala Gln Ile Pro Glu Lys Ile Gln Lys Ala Phe Asp Asp Ile Ala Lys
1   5   10   15

Tyr Phe Ser Lys
            20

<210> 4978
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4978
Lys Asp Lys Leu Lys Ile Asp Leu Leu Pro Asp Gly Arg His Ala Val
1   5   10   15

Val Glu Val Glu
            20

<210> 4979
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4979
Asp Phe Ser Thr Lys Ser Val Phe Ser Lys Phe Ala Gln Leu Asn Leu
1   5   10   15

Ala Ala Glu Asp
            20

<210> 4980
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4980
Leu Gln Val Arg Gly Ala Glu Ala Ser Arg Leu Trp Ala Ser Arg Leu
1   5   10   15

Thr Asp Asp Ser
            20

<210> 4981
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4981
Glu Asp Ile Pro Glu Ile Ser Arg Leu Ser Ile Ser Gln Lys Leu Pro
1   5   10   15

Ser Thr Thr Met
20

<210> 4982
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4982
Met Asp Val Leu Leu Arg Val Phe Val Glu Arg Arg Gln Gln Tyr Phe
1 5 10 15

Ser Asp Leu Phe
20

<210> 4983
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4983
Asp Asp Glu Arg Met Glu Gln Met Ser Asn Met Thr Leu Met Lys Glu
1 5 10 15

Thr Ile Ser Thr
20

<210> 4984
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4984
Tyr Glu Val Glu Ala Tyr Arg Arg Arg His His Asn Ser Ser Leu Asn
1 5 10 15

Phe Phe Asn Trp
20

<210> 4985
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4985
Phe Leu Leu His His Ala Phe Val Asp Ser Ile Phe Glu Gln Trp Leu

1 5 10 15

Arg Arg His Arg
20

<210> 4986
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4986
Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser Ser Val Lys
1 5 10 15

Trp Thr Glu Gly
20

<210> 4987
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4987
Asp Glu Arg Gln Asn Arg Ser Phe Glu Gly Met Val Val Ala Ala Leu
1 5 10 15

Leu Ala Gly Arg
20

<210> 4988
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4988
Gln Lys Ala Thr Asp Ile Met Asp Ala Met Leu Arg Lys Leu Tyr Asn
1 5 10 15

Val Met Phe Ala
20

<210> 4989
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4989
Glu Leu Glu His Leu Gln Thr Val Lys Asn Ile Ser Pro Leu Gln Ile
1   5   10   15

Leu Pro Pro Ser
            20

<210> 4990
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4990
Gln Glu Lys Arg Gly Ala Val Tyr Glu Arg Val Thr Thr Ile Asn Gln
1   5   10   15

Glu Ile Gln Lys
            20

<210> 4991
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4991
Gln Leu Gln Val Gln Arg Glu Ile Val Asn Lys His Asn Glu Leu Arg
1   5   10   15

Lys Ala Val Ser
            20

<210> 4992
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4992
Met Met Gln Lys Pro Gly Ser Asn Ala Pro Val Gly Gly Asn Val Thr
1   5   10   15

Ser Ser Phe Ser
            20

<210> 4993

<211> 20
<212> PRT
<213> Homo sapiens

<400> 4993
Gln Leu Leu Ala Glu Arg Thr Lys Glu Gln Leu Phe Phe Val Glu Thr
1   5   10   15

Met Ser Gly Asp
            20

<210> 4994
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4994
Ala Asp Met Ala Asp Val Met Arg Leu Leu Ser His Leu Lys Ile Val
1   5   10   15

Glu Glu Ala Leu
            20

<210> 4995
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4995
Val Glu Glu Asp Lys Pro His Tyr Gly Leu Arg Ala Ile Lys Val Asp
1   5   10   15

Val Val Pro Arg
            20

<210> 4996
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4996
Ser Met Val Glu Asn Lys Leu Val Glu Leu Glu His Thr Leu Leu Ser
1   5   10   15

Lys Gly Phe Arg
            20

<210> 4997
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4997
Val Pro Pro Pro Arg Phe Arg Pro Arg Tyr Arg Arg Pro Phe Arg Pro
1   5   10   15

Arg Pro Arg Gln
            20

<210> 4998
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4998
Lys Met Thr Asp Asn Lys Thr Gly Glu Val Leu Ile Ser Glu Asn Val
1   5   10   15

Val Ala Ser Ile
            20

<210> 4999
<211> 20
<212> PRT
<213> Homo sapiens

<400> 4999
Pro Gln Tyr Ser Met Ala Leu Ala Ala Asp Ser Ala Ser Gly Glu Val
1   5   10   15

Gly Asn Pro Leu
            20

<210> 5000
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5000
Gly Val Pro Phe Arg Thr Val Ser Glu Trp Leu Glu Ser Ile Lys Met
1   5   10   15

Gln Gln Tyr Thr
            20

<210> 5001
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5001
Val Ala Gln Thr Ser Leu Glu Glu Phe Asn Val Leu Glu Met Glu Val
1   5   10   15

Met Arg Arg Gln
            20

<210> 5002
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5002
Lys His Asn Gln Asp Phe Ile Lys Arg Asn Ile Glu Leu Ala Lys Glu
1   5   10   15

Ser Arg Asn Pro
            20

<210> 5003
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5003
Ala Arg Arg Asp Leu Lys Val Phe Gly Asn Phe Pro Lys Leu Ile Met
1   5   10   15

Thr Gln Val Ser
            20

<210> 5004
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5004

Ser Tyr Thr Trp Asp Phe Gly Asp Ser Ser Gly Thr Leu Ile Ser Arg
1   5   10   15

Ala Leu Val Val
            20

<210> 5005
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5005
Pro Tyr Asn Asp Tyr Phe Glu Tyr Phe Gly Pro Asp Phe Lys Leu His
1   5   10   15

Ile Ser Pro Ser
            20

<210> 5006
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5006
Arg Gln Gln Thr Asp Met Ala Val Asn Trp Ala Gly Gly Leu His His
1   5   10   15

Ala Lys Lys Ser
            20

<210> 5007
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5007
Leu Gln Glu Pro Ser Asp Leu Arg Ala Val Leu Leu Ile Asn Ser Lys
1   5   10   15

Ser Tyr Val Ser
            20

<210> 5008
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5008
Gly Glu Thr Arg Leu Ala Leu Val Gln Arg Asn Val Ala Ile Met Lys
1   5   10   15

Ser Ile Ile Pro
            20

<210> 5009
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5009
Ala Arg Glu Pro Phe Thr Lys Ala Glu Met Leu Gly Ser Val Ile Arg
1   5   10   15

Asn Phe Gln Asp
            20

<210> 5010
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5010
Asp Gly Arg Glu His Thr Val Tyr Gly Glu Pro Arg Lys Leu Leu Thr
1   5   10   15

Gln Asp Trp Val
            20

<210> 5011
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5011
Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Arg Tyr Phe Pro
1   5   10   15

Val Ile Phe Gly
            20

<210> 5012
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5012
Glu Thr Thr Lys Met Lys Val Leu Glu Phe Leu Ala Lys Met Asn Gly
1   5   10   15

Ala Thr Pro Arg
            20

<210> 5013
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5013
Leu Lys Lys Pro Gln Arg Ala Leu Ser Thr Thr Thr Ser Val Asp Val
1   5   10   15

Ser Tyr Lys Lys
            20

<210> 5014
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5014
Leu Gln Ile Pro Val Ser Pro Ser Ser Ser Ser Thr Leu Leu Ser Leu
1   5   10   15

Phe Gln Ser Phe
            20

<210> 5015
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5015
Lys Asp Tyr Phe Pro Val Ile Leu Lys Arg Ala Arg Glu Phe Met Glu
1   5   10   15

Leu Leu Phe Gly

20

<210> 5016
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5016
Leu Lys Ser Gly Ser Met Arg Ile Gly Lys Asp Phe Ile Leu Phe Thr
1 5 10 15

Lys Lys Glu Glu
20

<210> 5017
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5017
Glu Glu Asn Ile Gly Ile Leu Pro Arg Thr Leu Asn Val Leu Phe Asp
1 5 10 15

Ser Leu Gln Glu
20

<210> 5018
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5018
Arg Ala His Leu Ala Lys Asn Leu Lys Leu Thr Glu Thr Gln Val Lys
1 5 10 15

Ile Trp Phe Gln
20

<210> 5019
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5019
Ser Leu Val Glu Lys Thr Pro Asp Glu Ala Ala Ser Leu Val Glu Gly
1 5 10 15

Thr Ser Asp Lys
            20

<210> 5020
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5020
Phe Lys Leu Glu Asn Glu Arg Leu Lys Ala Ser Phe Ala Pro Met Glu
1   5   10   15

Asp Lys Leu Asn
            20

<210> 5021
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5021
Lys Ala Ser Gln Pro Ser Phe Ser Ile Lys Gly Arg Ser Lys Leu Gly
1   5   10   15

Gly Phe Ser Asp
            20

<210> 5022
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5022
Asp Gln Ala Ser Phe Thr Thr Ser Met Glu Trp Asp Thr Gln Val Val
1   5   10   15

Lys Gly Ser Ser
            20

<210> 5023
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5023
Thr Glu Ala Asp Arg Val Ile Gln Arg Thr Asn Ser Met Gln Gln Leu
1   5   10   15

Glu Gln Trp Ile
            20

<210> 5024
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5024
Asp Val Ser His Lys Leu Leu Arg Ile Glu Thr Ala Tyr Asp Phe Ile
1   5   10   15

Lys Arg Thr Ser
            20

<210> 5025
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5025
Gln Glu Ala Gln Pro Leu Gln Pro Ser His Phe Leu Asp Ile Ser Glu
1   5   10   15

Asp Trp Ser Leu
            20

<210> 5026
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5026
Leu Thr Ser Pro Ser Met Glu Ile Lys Glu Val Ala Ser Ile Ile Leu
1   5   10   15

His Lys Asp Phe
            20

<210> 5027
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5027
Tyr Asp Pro Asp Glu Arg Ile Ala Ala His Gln Ala Leu Gln His Pro
1   5   10   15

Tyr Phe Gln Glu
            20

<210> 5028
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5028
Phe Val Pro Pro Arg Ser Ser Ser Ser Gln Val Ser Ala Val Lys Pro
1   5   10   15

Gln Thr Leu Gly
            20

<210> 5029
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5029
Arg Lys Arg Leu Glu Met Tyr Thr Lys Ala Ser Leu Lys Thr Ser Asn
1   5   10   15

Gln Lys Ile Glu
            20

<210> 5030
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5030
Asn Leu Val Gln Arg Met Glu Lys Glu Lys Arg Thr Leu Leu Glu Arg
1   5   10   15

Lys Leu Ser Leu
            20

<210> 5031
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5031
Glu Gln Val Arg Arg Ser Ile Ser Arg Leu Thr Asp Val Ser Ala Gln
1   5   10   15

Asp Phe Ser Met
            20

<210> 5032
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5032
Pro Asn Arg Gly Asn Gln Val Gln Arg Pro Gln Met Thr Phe Gly Arg
1   5   10   15

Leu Gln Gly Ile
            20

<210> 5033
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5033
Lys Gln Lys Asn Glu Lys Leu Ile Ser Leu Gln Glu Gln Leu Gln Arg
1   5   10   15

Phe Leu Lys Lys
            20

<210> 5034
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5034
Ile Ile Ser Asp Val Leu Ile Asp Glu His Leu Val Leu Lys Ser Ala
1   5   10   15

Ser Pro His Lys
            20

<210> 5035
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5035
Asp Lys Lys Ser Glu Asn Ile Ala Ser Leu Gly Glu Ser Leu Ala Met
1   5   10   15

Lys Glu Lys Thr
            20

<210> 5036
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5036
Leu Ala Asp Leu Ser Pro Phe Ala Phe Ser Gly Ser Asn Ala Ser Val
1   5   10   15

Ser Ala Pro Ser
            20

<210> 5037
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5037
Ser Pro Asn Thr Leu Lys Glu Ile Glu Ala Ser Ala Glu Val Ser Pro
1   5   10   15

Thr Thr Met Thr
            20

<210> 5038
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5038
Ile Glu Arg Gly Arg Ile Leu Asn Trp Glu Gly Val Gln Tyr Leu Trp

1 5 10 15

Ser Phe Val Leu
20

<210> 5039
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5039
Pro Pro Ser Lys Lys Ser Phe Phe Tyr Lys Glu Val Phe Glu Ser Arg
1 5 10 15

Asn Gly Asp Tyr
20

<210> 5040
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5040
Asp Ile Met Glu Ala Met Leu Lys Arg Leu Val Ser Ala Leu Ile Gly
1 5 10 15

Glu Glu Lys Glu
20

<210> 5041
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5041
Asp Glu Ile Glu Ile Asp Phe Glu Thr Leu Lys Ala Ser Thr Leu Arg
1 5 10 15

Glu Leu Glu Lys
20

<210> 5042
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5042
Lys Thr Thr Ser Gly Met Ser Lys Lys Ser Val Glu Ser Val Lys Leu
1   5   10   15

Ala Gln Leu Glu
            20

<210> 5043
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5043
Gln Asp Trp Glu Lys His Phe Leu Asp Ala Ser Thr Ser Lys Gln Ser
1   5   10   15

Asp Trp Asn Gly
            20

<210> 5044
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5044
Glu Lys Gln Asp Tyr Lys Gln Lys Leu Lys Ala Leu Lys Ile Glu Val
1   5   10   15

Asn Lys Leu Lys
            20

<210> 5045
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5045
Glu Ser Pro Asp Leu Ser Ile Ser His Ser Gln Val Glu Gln Leu Val
1   5   10   15

Asn Lys Thr Ser
            20

<210> 5046

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5046
Thr Leu Glu Gly Glu Arg Asn Gln Ile Tyr Ile Gln Leu Ser Glu Val
1   5   10   15

Asp Lys Thr Lys
            20

<210> 5047
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5047
Ser Arg Asp Ile Leu Asn Asn Phe Pro His Ser Ile Ala Arg Gln Lys
1   5   10   15

Arg Ile Leu Val
            20

<210> 5048
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5048
Val Val Asp Val Gln Thr Ser Gln Ile Thr Lys Ile Pro Ile Leu Lys
1   5   10   15

Asp Arg Glu Pro
            20

<210> 5049
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5049
Glu Val Leu Ile Ser Glu Asn Val Val Ala Ser Ile Gln Pro Ala Glu
1   5   10   15

Gly Ser Phe Glu
            20

<210> 5050
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5050
Gly Ile Ser His Pro Ile Pro Leu Pro Ser Ala Ala Glu Leu Leu Val
1   5   10   15

Lys Arg Glu Asn
            20

<210> 5051
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5051
Asp Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln Ala Leu Thr
1   5   10   15

Gln Glu Gly Gln
            20

<210> 5052
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5052
Lys Ala Ala Gly Ser Ala Ser Ala Lys Arg Val Trp Asn Met Thr Ala
1   5   10   15

Thr Arg Pro Lys
            20

<210> 5053
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5053
Ser Lys Thr Leu Gly Ile Gly Arg Leu Lys Arg Pro Ser Phe Leu Asp
1   5   10   15

Asp Pro Leu Tyr
            20

<210> 5054
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5054
Glu Ala Gly Leu Ala Glu Tyr Leu Phe Asp Lys Leu Thr Leu Gly Gly
1   5   10   15

Arg Val Lys Glu
            20

<210> 5055
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5055
Pro Val Asn Ser Gln Lys Ile Thr Leu Glu Trp Ala Ser Pro Gln Asn
1   5   10   15

Phe Thr Ser Val
            20

<210> 5056
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5056
Met Glu Val Thr Val Tyr His Arg Arg Gly Ser Arg Ser Tyr Val Pro
1   5   10   15

Leu Ala His Ser
            20

<210> 5057
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5057

Lys Ala Leu Glu Asn Phe Lys Thr Gly Lys Val Arg Ile Leu Ile Ala
1   5   10   15

Thr Asp Leu Ala
            20

<210> 5058
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5058
Gln Asn Ser Arg Gln Tyr Leu Asp Gln Ile Arg Gln Thr Ile Phe Glu
1   5   10   15

Asn Leu Lys Met
            20

<210> 5059
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5059
Ser Ile Pro Val His Leu Asn Ser Leu Pro Arg Leu Glu Thr Leu Val
1   5   10   15

Ala Glu Val Gln
            20

<210> 5060
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5060
Thr His Glu Asp Lys Ile Val Arg Arg Asn Ala Thr Met Ile Phe Gly
1   5   10   15

Ile Leu Ala Ser
            20

<210> 5061
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5061
Ala Pro Glu Glu Glu Ile Trp Glu Glu Leu Ser Val Met Glu Val Tyr
1   5   10   15

Asp Gly Arg Glu
            20

<210> 5062
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5062
Thr Val Arg Pro Ala Asp Leu Thr Arg Val Ile Met Pro Leu Glu Gln
1   5   10   15

Arg Ser Gln His
            20

<210> 5063
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5063
Pro Val Ile Phe Gly Lys Ala Ser Glu Ser Leu Lys Met Ile Phe Gly
1   5   10   15

Ile Asp Val Lys
            20

<210> 5064
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5064
Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn Tyr Lys Asn His
1   5   10   15

Phe Pro Asp Ile
            20

<210> 5065
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5065
Glu Pro Arg Lys Leu Leu Thr Gln Asp Trp Val Gln Glu Asn Tyr Leu
1   5   10   15

Glu Tyr Arg Gln
            20

<210> 5066
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5066
Gln Ser Arg Thr Asp Pro Leu Ile Met Lys Thr Asn Met Leu Val Gln
1   5   10   15

Phe Leu Met Glu
            20

<210> 5067
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5067
Thr Thr Ala Met Thr Ser Ala Tyr Ser Arg Ala Thr Ser Ser Ser Ser
1   5   10   15

Ser Gln Pro Met
            20

<210> 5068
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5068
Glu Tyr Lys Pro Tyr Phe Pro Gln Ile Leu Asn Arg Thr Ser Gln His
1   5   10   15

Leu Val Val Ala

20

<210> 5069
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5069
Pro Leu Gln Ser Pro Val Ile Ser Phe Ser Ser Ser Thr Ser Leu Ser
1 5 10 15

Pro Phe Ser Glu
20

<210> 5070
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5070
Glu Glu Glu Glu Glu Ala Ser Ser Ala Ser Ser Thr Leu Tyr Leu Val
1 5 10 15

Phe Ser Pro Ser
20

<210> 5071
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5071
Lys Lys Ile Ile Glu Thr Met Ser Ser Ser Lys Leu Ser Asn Val Glu
1 5 10 15

Ala Ser Lys Glu
20

<210> 5072
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5072
Leu Ser Ser Glu Leu Gly Asp Leu Glu Lys His Ser Ser Leu Pro Ala
1 5 10 15

Leu Lys Glu Glu
            20

<210> 5073
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5073
Lys Phe Lys Glu His Leu Lys Gln Met Thr Leu Gln Leu Glu Leu Lys
1   5   10   15

Gln Ile Pro Trp
            20

<210> 5074
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5074
Ser Glu Thr Leu Lys His Leu Val Leu Gln Phe Leu Gln Gln Tyr Tyr
1   5   10   15

Ser Ile Tyr Asp
            20

<210> 5075
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5075
Glu Leu Ser Lys Ser Met Glu Ser Met Arg Gly His Leu Gln Ala Gln
1   5   10   15

Leu Arg Ser Lys
            20

<210> 5076
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5076
Ile Val Asn Ala Ser Glu Met Asp Ile Gln Asn Val Pro Leu Ser Glu
1   5   10   15

Lys Ile Ala Glu
            20

<210> 5077
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5077
Tyr Ser Pro Gln Arg Thr Tyr Arg Ser Glu Val Ser Ser Pro Ile Gln
1   5   10   15

Arg Gly Asp Val
            20

<210> 5078
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5078
Leu Gln Phe Tyr Asn Ile Ile Phe Arg Arg Leu Leu Lys Ile Met Asn
1   5   10   15

Leu Gln Gln Ile
            20

<210> 5079
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5079
Asp Tyr Pro Lys Ile Ile Lys Val Gln Glu Asn Pro Ala Ala Phe Val
1   5   10   15

Arg Ala Ile Gln
            20

<210> 5080
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5080
Leu Tyr Ser Glu Glu Leu Phe Pro Glu Glu Leu Ser Val Val Leu Gly
1   5   10   15

Thr Asn Asp Leu
            20

<210> 5081
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5081
Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn Phe Thr Glu Ile Ala
1   5   10   15

Ser Lys Phe Ser
            20

<210> 5082
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5082
Tyr Val Met Glu Leu Pro Lys Leu Lys Leu Ser Gly Val Val Arg Leu
1   5   10   15

Ser Ser Tyr Ser
            20

<210> 5083
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5083
Ala Ile Val Glu Ala Ala Arg Leu Glu Lys Val His Ser Leu Phe Arg
1   5   10   15

Arg Gln Leu Ala
            20

<210> 5084
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5084
Glu Glu Thr Arg Gln Val Tyr Met Asp Leu Asn Asn Asn Ile Glu Lys
1   5   10   15

Met Ile Thr Ala
            20

<210> 5085
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5085
Leu Gln Gln Ser Arg Ile Val Gln Ser Gln Arg Leu Lys Thr Ile Lys
1   5   10   15

Gln Leu Tyr Glu
            20

<210> 5086
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5086
Asp Arg Asp Glu Ala Trp Val Leu Glu Thr Ile Gly Lys Tyr Trp Ala
1   5   10   15

Ala Glu Lys Val
            20

<210> 5087
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5087
Lys Gln Glu Asp Ser Lys Gln Leu Leu Gln Val Asn Lys Leu Glu Lys
1   5   10   15

Glu Gln Lys Leu
            20

<210> 5088
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5088
Phe Leu Pro Ile Thr Ser Ser Asp Ile Asp Val Val Glu Ser Glu Ala
1   5   10   15

Val Ser Val Leu
            20

<210> 5089
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5089
Ala Asp Ser Lys Met Lys Ala Glu Ile Gln Ala Leu Thr Phe Leu Ser
1   5   10   15

Ser Asp Tyr Leu
            20

<210> 5090
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5090
Leu Gln Ile Glu Glu Glu Lys Asn Lys Gln Arg Gln Leu Arg Leu Ala
1   5   10   15

Phe Glu Glu Gln
            20

<210> 5091
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5091
Gly Ser Ile Pro Gly Phe Leu Ile Ser Ser Gly Met Ser Ser His Lys

1 5 10 15

Gln Gly His Thr
20

<210> 5092
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5092
Thr Asp Gly Arg His Phe Val Ser Gln Thr Thr Gly Asn Leu Tyr Ile
1 5 10 15

Ala Arg Thr Asn
20

<210> 5093
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5093
Glu Asp Thr Thr Leu Thr Ile Thr Val Pro Ala Val Ser Arg Arg Val
1 5 10 15

Glu Glu Leu Ser
20

<210> 5094
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5094
Glu Asn Glu Leu Asp Ser Ala His Ser Glu Ile Glu Leu Leu Arg Ser
1 5 10 15

Gln Met Ala Asn
20

<210> 5095
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5095
Ile Gln Asp Val Arg Arg Val Pro Gly Val Ala Pro Thr Leu Val Arg
1   5   10   15

Ser Ala Ser Glu
            20

<210> 5096
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5096
Glu His Gly Gln Glu Ile Phe Gln Lys Lys Val Ser Pro Pro Gly Pro
1   5   10   15

Ala Leu Asn Val
            20

<210> 5097
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5097
Gly Tyr His Tyr Arg Tyr Glu Ile Asn Ala Asp Pro Arg Leu Thr Asn
1   5   10   15

Leu Ser Ser Asn
            20

<210> 5098
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5098
Met Asp Thr Ser Thr Asp Pro Val Arg Val Leu Ser Trp Leu Arg Arg
1   5   10   15

Asp Leu Glu Lys
            20

<210> 5099

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5099
Pro Asn His His Gln Leu Ala Phe Asn Tyr Gln Glu Leu Glu His Leu
1   5   10   15

Gln Thr Val Lys
            20

<210> 5100
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5100
Asp Gln Ala Pro Glu Val Thr Leu Gln Ala Asp Ile Glu Val Met Ser
1   5   10   15

Thr Val His Ile
            20

<210> 5101
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5101
Ser Asp Glu Ala Lys Ser Ile Arg Asp Val Pro Thr Leu Leu Gly Ala
1   5   10   15

Lys Leu Asp Lys
            20

<210> 5102
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5102
Ser Lys Ser Leu Lys Ser Gln Val Ala Glu Ala Lys Met Thr Phe Lys
1   5   10   15

Arg Phe Gln Ala
            20

<210> 5103
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5103
Ala Glu Ala Lys Met Thr Phe Lys Ile Phe Gln Met Asn Glu Glu Arg
1   5   10   15

Leu Lys Ile Ala
            20

<210> 5104
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5104
Ala Phe Gln Asp Ser Val Leu Glu Glu Glu Val Glu Leu Val Leu Ala
1   5   10   15

Pro Ser Glu Glu
            20

<210> 5105
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5105
Pro Gln Arg Pro Arg Asn Arg Pro Tyr Phe Gln Arg Arg Arg Gln Gln
1   5   10   15

Ala Pro Gly Pro
            20

<210> 5106
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5106
Leu Phe Ser Ala Pro Met Asp Phe Arg Gly Leu Pro Gly Asn Tyr His
1   5   10   15

Lys Glu Glu Asn
            20

<210> 5107
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5107
Val Glu Asn Thr Pro Asp Leu Val Ser Asp Ser Thr Tyr Tyr Ser Ser
1   5   10   15

Phe Tyr Gln Pro
            20

<210> 5108
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5108
Thr Val Asn Gly Glu Gln Leu Asp Leu Asp Pro Gly Gln Thr Leu Ile
1   5   10   15

Tyr Tyr Val Asp
            20

<210> 5109
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5109
Lys Tyr Arg Lys Leu Ile Glu Ser Glu Leu Ser Tyr Phe Val Ile Val
1   5   10   15

Tyr Ser Val Met
            20

<210> 5110
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5110

Asp Ile Glu Asp Val Thr Pro Val Phe Pro Gln Leu Ser Arg Ser Ile
1   5   10   15

Ile Ser Lys Leu
            20

<210> 5111
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5111
Ser Ser Phe Asn Pro Ala Ala Leu Ser Arg His Met Ser Ser Leu Ser
1   5   10   15

His Ile Ser Pro
            20

<210> 5112
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5112
Glu Ala Phe Glu Ile Val Val Arg His Ala Lys Asn Tyr Thr Asn Ala
1   5   10   15

Met Phe Lys Asn
            20

<210> 5113
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5113
Gly Glu Ala Arg Leu Arg Glu Met Glu Ala Leu Gln Ser Leu Arg Leu
1   5   10   15

Ala Asn Glu Gly
            20

<210> 5114
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5114
Gly Gly Leu Lys Lys Leu Leu Ser Phe Ala Glu Asn Ser Thr Ile Pro
1   5   10   15

Asp Ile Gln Lys
            20

<210> 5115
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5115
Gly Ser Asp Pro Arg Ser Phe Pro Leu Trp Tyr Glu Glu Ala Leu Lys
1   5   10   15

Asp Glu Glu Glu
            20

<210> 5116
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5116
Arg Glu Asp Ser Gly Asp Phe Gly Leu Gln Val Ser Thr Met Phe Ser
1   5   10   15

Glu Asp Asp Phe
            20

<210> 5117
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5117
Ala Pro Glu Glu Lys Ile Trp Glu Glu Leu Ser Met Leu Glu Val Phe
1   5   10   15

Glu Gly Arg Glu
            20

<210> 5118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5118
Lys Ala Ser Ser Ser Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu
1   5   10   15

Val Asp Pro Ile
            20

<210> 5119
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5119
Ala Ala Ser Ser Ser Ser Thr Leu Ile Met Gly Thr Leu Glu Glu Val
1   5   10   15

Thr Asp Ser Gly
            20

<210> 5120
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5120
Glu Glu Pro Ser Ser Ser Val Asp Pro Ala Gln Leu Glu Phe Met Phe
1   5   10   15

Gln Glu Ala Leu
            20

<210> 5121
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5121
Gly Glu Pro Arg Lys Phe Ile Thr Gln Asp Leu Val Gln Glu Lys Tyr
1   5   10   15

Leu Lys Tyr Glu

20

<210> 5122
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5122
Ala Glu Thr Ser Lys Met Lys Val Leu Glu Phe Leu Ala Lys Val Asn
1 5 10 15

Gly Thr Thr Pro
20

<210> 5123
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5123
Asn Ser Asn Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala His
1 5 10 15

Ala Glu Thr Ser
20

<210> 5124
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5124
Pro His Leu Tyr Glu Asp Ala Leu Ile Asp Glu Val Glu Arg Ala Leu
1 5 10 15

Arg Leu Arg Ala
20

<210> 5125
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5125
Ser Asp Glu Gln Gly Met Ser Gln Asn Arg Leu Leu Ile Leu Ile Leu
1 5 10 15

Ser Ile Ile Phe
            20

<210> 5126
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5126
Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu Val His
1   5   10   15

Asn Gly Thr Ser
            20

<210> 5127
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5127
Glu Ala Phe Ser Arg Ala Ser Leu Val Ser Val Tyr Asn Ser Tyr Pro
1   5   10   15

Tyr Tyr Pro Tyr
            20

<210> 5128
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5128
Met Ala Ala Ser Phe Phe Ser Asp Phe Gly Leu Met Trp Tyr Leu Glu
1   5   10   15

Glu Leu Lys Lys
            20

<210> 5129
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5129
Arg Ala Asp Pro Val Asp Leu Glu Phe Ser Val Asp Gln Val Asp Ser
1   5   10   15

Val Asp Gln Glu
            20

<210> 5130
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5130
Ser Ala Thr Glu Val Gly Arg Ile Gln Ala Ser Pro Leu Pro Arg Ser
1   5   10   15

Val Asp Leu Ser
            20

<210> 5131
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5131
Lys Tyr Ala Asp Lys Ile Tyr Ser Ile Ser Met Lys His Pro Gln Glu
1   5   10   15

Met Lys Thr Tyr
            20

<210> 5132
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5132
Tyr Val Glu Ile Trp Gln Ala Tyr Leu Asp Tyr Leu Arg Arg Arg Val
1   5   10   15

Asp Phe Lys Gln
            20

<210> 5133
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5133
Met Glu Lys Gln Lys Pro Phe Ala Leu Phe Val Pro Pro Arg Ser Ser
1   5   10   15

Ser Ser Gln Val
            20

<210> 5134
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5134
Ile Glu Lys Arg Arg Lys Lys Arg Ser Ser Ala Gly Val Val Glu Asp
1   5   10   15

Met Gly Gly Glu
            20

<210> 5135
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5135
Gln Asp Lys Arg Ile Glu Asn Leu Arg Glu Lys Val Asn Ile Leu Glu
1   5   10   15

Ala Gln Asn Lys
            20

<210> 5136
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5136
Leu Lys Asn Asn Leu Ile Glu Lys Asp Pro Ser Leu Val Tyr Gln His
1   5   10   15

Leu Leu Tyr Leu
            20

<210> 5137
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5137
Lys Thr Arg Asp Gly Gly Ser Val Val Gly Ala Ser Val Phe Tyr Lys
1   5   10   15

Asp Val Ala Gly
            20

<210> 5138
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5138
Pro Asp Val Glu Asn Glu Val Lys Arg Leu Leu Arg Ser Asp Ala Glu
1   5   10   15

Ala Val Ser Thr
            20

<210> 5139
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5139
Trp Lys Arg Leu Gly Trp Ser Glu Ser Ser Arg Ile Ile Val Leu Asp
1   5   10   15

Gln Ser Asp Leu
            20

<210> 5140
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5140
Pro Ser Ser Arg Ile Leu Gln Leu Ser Lys Pro Lys Ala Pro Ala Thr
1   5   10   15

Leu Leu Glu Glu
            20

<210> 5141
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5141
Asp Leu Lys Ile Gln Ile Glu Met Glu Lys Lys Val Val Phe Ser Thr
1   5   10   15

Ile Ser Leu Gly
            20

<210> 5142
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5142
Lys Val Ile Thr Lys Glu Tyr Leu Val Asn Ile Thr Glu Tyr Arg Ala
1   5   10   15

Ser His Ser Thr
            20

<210> 5143
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5143
Phe Ile Asn His Gln Ile Ile Tyr Ala Gly Glu Lys Asn His Gln Tyr
1   5   10   15

Gly Lys Ser Phe
            20

<210> 5144
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5144
Glu Asp Val Val Leu Arg Trp Ser Gln Glu Phe Ser Thr Leu Thr Leu

1 5 10 15

Gly Gln Phe Gly
20

<210> 5145
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5145
Gln Lys Gln Ser Ser Tyr Val Gly Trp Trp Ile His Phe Arg Ile Val
1 5 10 15

Glu Ile Val Val
20

<210> 5146
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5146
Glu Arg Gln Leu Asn Glu Ala Val Gly Asn Val Thr Pro Leu Gln Leu
1 5 10 15

Leu Asp Trp Leu
20

<210> 5147
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5147
Val Pro His Leu Gln Lys Val Phe Asp Arg Tyr Lys Ser Tyr Ser Pro
1 5 10 15

Tyr Asp Met Leu
20

<210> 5148
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5148
Lys Asn Gly Arg Leu Thr Asn Gln Leu Gln Tyr Leu Gln Lys Val Val
1   5   10   15

Leu Lys Asp Leu
            20

<210> 5149
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5149
Ala Pro Gly His Met Ser Asp Val Glu Trp Met Ser Ile Phe Lys Pro
1   5   10   15

Ser Lys Met Gln
            20

<210> 5150
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5150
Leu Lys Glu Phe Glu Lys Thr Ile His Phe Tyr Gln Lys Lys Ile Ile
1   5   10   15

Leu His Glu Lys
            20

<210> 5151
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5151
Ser Ile Tyr Phe Ser Ser Asp Val Val Thr Gly Asn Val Pro Leu Lys
1   5   10   15

Val Gly Gln Lys
            20

<210> 5152

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5152
Val Pro Val Lys Gly Ser Arg Tyr Ala Pro Asn Arg Arg Lys Ser Arg
1   5   10   15

Arg Phe Ile Pro
            20

<210> 5153
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5153
Asp Ala Gln Glu Ser Ser Leu Gly Leu Thr Gly Leu Gln Ser Leu Leu
1   5   10   15

Gln Gly Phe Ser
            20

<210> 5154
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5154
Ala Ile Ser Tyr Arg Lys Phe Thr Ser Ala Ser Asp Val Trp Ser Phe
1   5   10   15

Gly Ile Val Met
            20

<210> 5155
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5155
Val Glu Ser Ala Val Trp Tyr Val Lys Lys Phe Gly Arg Tyr Leu Glu
1   5   10   15

His Leu Glu Val
            20

<210> 5156
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5156
Lys Arg Lys Arg Lys Ser Glu Met Leu Gln Lys Ala Ala Arg Gly Arg
1   5   10   15

Glu Glu His Gly
            20

<210> 5157
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5157
Gln Gly Leu Glu Met Arg Ile Lys Leu Trp Glu Glu Ile Lys Ser Ala
1   5   10   15

Lys Tyr Ser Glu
            20

<210> 5158
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5158
Leu Glu Asn Phe Phe Arg Tyr Phe Leu Arg Leu Ser Asp Asp Lys Met
1   5   10   15

Glu His Ala Gln
            20

<210> 5159
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5159
Ser Lys Asp Gln Gln Lys Ile Leu Ala Ala Leu Lys Glu Leu Gln Val
1   5   10   15

Glu Glu Ile Gln
            20

<210> 5160
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5160
Lys Val Lys Asn Gln Leu Arg Phe Leu Ala Glu Leu Ala Tyr Asp Leu
1   5   10   15

Asp Val Asp Asp
            20

<210> 5161
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5161
Ser Gln Lys Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Gln Tyr
1   5   10   15

Trp Gln Val Leu
            20

<210> 5162
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5162
Asn Leu Leu Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr Arg
1   5   10   15

Pro His Lys Ala
            20

<210> 5163
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5163

Lys Lys Ile Arg Glu Ser Tyr Glu Asn Asp Ile Ala Ser Met Asn Leu
1   5   10   15

Gln Ala His Leu
            20

<210> 5164
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5164
Glu Ala Leu Phe Lys Lys Ser Ala Glu Thr Leu Trp Asn Ile Gln Lys
1   5   10   15

Asp Leu Ile Phe
            20

<210> 5165
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5165
Lys Pro Pro Tyr Ser Arg Leu Asp Tyr Thr Asp Ala Lys Phe Val Asp
1   5   10   15

Val Ile His Ser
            20

<210> 5166
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5166
Ser Phe Ser Gln Asp Ile Leu His Asp Lys Ile Ile Asp Leu Val His
1   5   10   15

Leu Leu Leu Arg
            20

<210> 5167
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5167
Pro Arg Lys Leu Leu Thr Gln Asp Leu Val Gln Glu Asn Tyr Leu Glu
1   5   10   15

Tyr Arg Gln Val
            20

<210> 5168
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5168
Gly Ser Asn Pro Ala Arg Tyr Glu Phe Leu Trp Gly Pro Arg Ala Leu
1   5   10   15

Ala Glu Thr Ser
            20

<210> 5169
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5169
Val Val Asp Glu Lys Tyr Lys Asp His Phe Thr Glu Ile Leu Asn Gly
1   5   10   15

Ala Ser Arg Arg
            20

<210> 5170
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5170
Thr Lys Gly Glu Met Leu Lys Ile Val Gly Lys Arg Phe Arg Glu His
1   5   10   15

Phe Pro Glu Ile
            20

<210> 5171
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5171
Lys Met Lys Lys Pro Ile Met Lys Ala Asp Met Leu Lys Ile Val Gln
1   5   10   15

Lys Ser His Lys
            20

<210> 5172
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5172
Leu Lys Ile Ile Ser Lys Lys Tyr Lys Glu His Phe Pro Glu Ile Phe
1   5   10   15

Arg Lys Val Ser
            20

<210> 5173
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5173
Leu Gln Ile Pro Val Ser Arg Ser Phe Ser Ser Thr Leu Leu Ser Ile
1   5   10   15

Phe Gln Ser Ser
            20

<210> 5174
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5174
Ala Ser Ser Thr Leu Tyr Leu Val Phe Ser Pro Ser Ser Phe Ser Thr
1   5   10   15

Ser Ser Ser Leu

20

<210> 5175
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5175
Glu Arg Ser Gln Arg Ser Gln Ile Ala Asn Ile Thr Thr Val Trp Arg
1 5 10 15

Ala Gln Pro Thr
20

<210> 5176
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5176
Gln Lys Trp Arg Glu Glu Arg Asp Gln Leu Val Ala Ala Leu Glu Ile
1 5 10 15

Gln Leu Lys Ala
20

<210> 5177
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5177
Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr Asn
1 5 10 15

Leu Thr Ile Ser
20

<210> 5178
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5178
Glu Lys Leu Asp Ala Phe Phe Gly Phe Gln Leu Ser Gln Glu Ile Lys
1 5 10 15

Gln Gln Ile His
            20

<210> 5179
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5179
Glu Gln Leu Glu Glu Arg Thr Trp Leu Leu His Asp Ala Ile Gln Asn
1   5   10   15

Gln Gln Asn Ala
            20

<210> 5180
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5180
Arg Pro Arg Arg Ile Asn Met Thr Asp Thr Gly Ile Ser Pro Met Ser
1   5   10   15

Thr Arg Asp Pro
            20

<210> 5181
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5181
Pro Ile Pro Glu Ser Val Ile Gln Asn Tyr Asn Lys Ala Leu Gln Gln
1   5   10   15

Leu Glu Lys Tyr
            20

<210> 5182
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5182
Glu Glu Leu Lys Gly Thr Glu Gln Glu Leu Ile Gly Leu Leu Gln Ala
1   5   10   15

Arg Glu Lys Glu
            20

<210> 5183
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5183
Glu Gly Val Gly Val Asp Ile Asn Lys Ala Leu Leu Ala Lys Arg Lys
1   5   10   15

Arg Leu Glu Met
            20

<210> 5184
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5184
Glu Ile Glu Ala Leu Leu Gly Met Asp Leu Val Arg Leu Gly Leu Glu
1   5   10   15

Arg Gly Glu Thr
            20

<210> 5185
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5185
Ile Pro Pro Arg Asp Lys Met Glu Asp Asn Ser Ala Leu Tyr Glu Ser
1   5   10   15

Thr Ser Ala His
            20

<210> 5186
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5186
Gln Ala Phe Pro Asp Met His Asn Ser Asn Ile Ser Lys Ile Leu Gly
1   5   10   15

Ser Arg Trp Lys
            20

<210> 5187
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5187
Pro Gly Asn Val Lys Ala Leu Leu Arg Arg Ala Thr Thr Tyr Lys His
1   5   10   15

Gln Asn Lys Leu
            20

<210> 5188
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5188
Gln Lys Val Gly Ser Leu Glu Pro Arg Val Glu Val Leu Ile Asn Arg
1   5   10   15

Ile Asn Glu Val
            20

<210> 5189
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5189
Lys Val Leu Leu Asp Ala Gly Phe Ala Val Gly Glu Gln Ser Met Val
1   5   10   15

Thr Asp Lys Pro
            20

<210> 5190
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5190
Gln Ala Lys Ala Thr Gln Phe Asn Ser Ala Leu Phe Thr Leu Ser Ser
1   5   10   15

His Arg Gln Gly
            20

<210> 5191
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5191
Ser Arg Arg Val Glu Glu Leu Ser Arg Pro Lys Arg Phe Tyr Leu Glu
1   5   10   15

Tyr Tyr Asn Asn
            20

<210> 5192
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5192
Lys Val Leu Lys Ser Glu Arg Asp Lys Ile Phe Leu Leu Tyr Glu Gln
1   5   10   15

Ala Gln Glu Glu
            20

<210> 5193
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5193
Leu Ile Phe Leu Leu Asn Phe Thr Glu Ser Arg Thr Leu His Arg Asn
1   5   10   15

Glu Tyr Gly Ile
            20

<210> 5194
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5194
Gln Val Ala Ser Asp Met Met Val Ser Leu Met Lys Thr Leu Lys Val
1   5   10   15

His Ser Ser Gly
            20

<210> 5195
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5195
Val Asn Ile Leu Thr Asn Arg Ser Asn Ala Gln Arg Gln Asp Ile Ala
1   5   10   15

Phe Ala Tyr Gln
            20

<210> 5196
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5196
Ser Gly Lys Ile Asn Arg His Glu His Tyr Phe Asn Gln Phe His Arg
1   5   10   15

Arg Asn Glu Leu
            20

<210> 5197
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5197
Leu Gln Gln Ser Leu Asn Gln Asp Phe His Gln Lys Thr Ile Val Leu

1 5 10 15

Gln Glu Gly Asn
20

<210> 5198
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5198
Pro Ala Ser Asn Met Leu Lys Met Glu Trp Ser Arg Glu Val Thr Thr
1 5 10 15

Asn Ala Gln Arg
20

<210> 5199
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5199
Glu Glu Leu Glu Arg Thr Ile His Ser Tyr Gln Gly Gln Ile Ile Ser
1 5 10 15

His Glu Lys Lys
20

<210> 5200
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5200
Met Ser Leu Leu Ser Ile Gln Gln Gln Glu Gly Val Gln Val Val Val
1 5 10 15

Gln Gln Pro Gly
20

<210> 5201
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5201
Gln Pro Phe Glu Glu Asn Glu Phe Ile Asp Ala Ser Arg Leu Val Tyr
1   5   10   15

Asp Gly Val Arg
            20

<210> 5202
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5202
Gly Leu Ile Asn Ser Asn Thr Asp Asn Asn Leu Ala Val Tyr Asp Leu
1   5   10   15

Ser Arg Asp Ile
            20

<210> 5203
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5203
Leu His Lys Arg Lys Arg Leu Pro Pro Val Lys Arg Ser Leu Val Tyr
1   5   10   15

Tyr Leu Lys Asn
            20

<210> 5204
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5204
Thr Leu Ser Ser His Leu Gln Ile Asp Lys Met Thr Asp Asn Lys Thr
1   5   10   15

Gly Glu Val Leu
            20

<210> 5205

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5205
Asp Ser Lys Ser Leu Arg Thr Ala Leu Gln Lys Glu Ile Thr Thr Arg
1   5   10   15

Tyr Gln Leu Asp
            20

<210> 5206
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5206
Gly Asp Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu
1   5   10   15

Ala Glu Arg Ile
            20

<210> 5207
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5207
Phe Ile Lys Arg Asn Ile Glu Leu Ala Lys Glu Ser Arg Asn Pro Val
1   5   10   15

Val Met Val Asp
            20

<210> 5208
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5208
Ile Gln Asn Ala Ala Val Phe Gln Glu Ala Phe Glu Ile Val Val Arg
1   5   10   15

His Ala Lys Asn
            20

<210> 5209
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5209
Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu Ile Gly Ala
1   5   10   15

Asn Ala Ser Phe
            20

<210> 5210
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5210
Ser Asp Glu Tyr Ile Lys Phe Leu Arg Ser Ile Arg Pro Asp Asn Met
1   5   10   15

Ser Glu Tyr Ser
            20

<210> 5211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5211
Arg Asp Tyr Thr Leu Arg Thr Phe Gly Glu Met Ala Asp Ala Phe Lys
1   5   10   15

Ser Asp Tyr Phe
            20

<210> 5212
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5212
Thr Ser Leu Gly Leu Thr Tyr Asp Gly Met Leu Ser Asp Val Gln Ser
1   5   10   15

Met Pro Lys Thr
            20

<210> 5213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5213
Leu Glu His Val Val Arg Val Asn Ala Arg Val Arg Ile Ala Tyr Pro
1   5   10   15

Ser Leu Arg Glu
            20

<210> 5214
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5214
Lys Ala Ser Asp Ser Leu Gln Leu Val Phe Gly Ile Glu Leu Met Glu
1   5   10   15

Val Asp Pro Ile
            20

<210> 5215
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5215
Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Ala Pro Gly Ser Asp Pro Val
1   5   10   15

Arg Tyr Glu Phe
            20

<210> 5216
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5216

Asp Gly Glu Glu His Leu Ile Tyr Gly Glu Pro Arg Lys Phe Ile Thr
1   5   10   15

Gln Asp Leu Val
            20

<210> 5217
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5217
Gly Glu Pro Trp Lys Leu Ile Thr Lys Asp Leu Val Gln Glu Lys Tyr
1   5   10   15

Leu Glu Tyr Lys
            20

<210> 5218
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5218
Lys Val Asp Ser Thr Lys Asp Ser Tyr Val Leu Val Ser Lys Met Asp
1   5   10   15

Leu Pro Asn Asn
            20

<210> 5219
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5219
Ala Glu Thr Ser Lys Met Lys Val Leu Glu Phe Leu Ala Lys Val Asn
1   5   10   15

Asp Thr Thr Pro
            20

<210> 5220
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5220
Asp Asp Ser Thr Ala Thr Glu Ser Ala Ser Ser Ser Val Met Ser Pro
1   5   10   15

Ser Phe Ser Ser
            20

<210> 5221
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5221
Tyr Thr Leu Asp Glu Lys Val Ala Glu Leu Val Glu Phe Leu Leu Leu
1   5   10   15

Lys Tyr Glu Ala
            20

<210> 5222
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5222
Glu Gln Glu Lys Glu Glu Ile Ala Ser Lys Ser Ala Leu Leu Arg Gln
1   5   10   15

Ile Lys Glu Val
            20

<210> 5223
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5223
Asp Ser Leu Val Glu Arg Leu His Arg Gln Thr Ala Glu Tyr Ser Ala
1   5   10   15

Phe Lys Leu Glu
            20

<210> 5224
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5224
Glu His Gly Asp Ser Ser Ala Tyr Glu Asn Val Lys Phe Ile Val Asn
1   5   10   15

Val Arg Asp Ile
            20

<210> 5225
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5225
Met Asp Glu Ala Lys Ile Leu Lys Ser Leu His His Pro Asn Ile Val
1   5   10   15

Gly Tyr Arg Ala
            20

<210> 5226
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5226
Ile Pro Thr Ser Pro Ser His Gly Ser Ile Ala Ala Tyr Gln Gly Tyr
1   5   10   15

Ser Pro Gln Arg
            20

<210> 5227
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5227
His Asp Ile Val Asn Arg Gln Lys Ser Ile Ala Gly Phe Val Ala Ser
1   5   10   15

Thr Asn Ala Glu

20

<210> 5228
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5228
Ala Arg Leu Val Asp Asn Ile Gln Arg Asn Thr Asn Ala Arg Phe Glu
1 5 10 15

Leu Glu Thr Trp
20

<210> 5229
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5229
Ser Ile Ser Ile Ser Ala Leu Gln Ser Leu Leu Gln His Leu Ile Gly
1 5 10 15

Leu Ser Asn Leu
20

<210> 5230
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5230
Pro Tyr Glu Glu Ala Leu Leu Gln Ala Glu Ala Pro Arg Leu Ala Glu
1 5 10 15

Tyr Gln Ala Tyr
20

<210> 5231
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5231
Glu Val Glu Lys Ala Lys Val Ile Ala Asp Glu Ala Val Lys Leu Gln
1 5 10 15

Lys Glu Ile Asp
            20

<210> 5232
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5232
Ser Gly Lys Pro Ser Val Glu Asp Gln Phe Thr Arg Ala Tyr Asp Phe
1   5   10   15

Glu Thr Glu Asp
            20

<210> 5233
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5233
Leu Lys Ile Lys Leu Gln Ala Ser Arg Glu Ala Gly Ala Ala Ala Leu
1   5   10   15

Arg Asn Val Ala
            20

<210> 5234
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5234
Met Ile Thr Gln Leu Ile Ser Leu Arg Glu Gln Leu Leu Ala Ala His
1   5   10   15

Asp Glu Gln Lys
            20

<210> 5235
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5235
Gly Gln Gly Glu Asn Lys Met Lys Asn Leu Pro Val Pro Val Tyr Leu
1   5   10   15

Arg Pro Leu Asp
            20

<210> 5236
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5236
Gln Gly His Thr Ser Ser Glu Tyr Asp Met Leu Arg Glu Met Phe Ser
1   5   10   15

Asp Ser Arg Ser
            20

<210> 5237
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5237
Pro Gly Asn Ile Ser Trp Thr Phe Ser Ser Ser Ser Leu Ser Ile Lys
1   5   10   15

Trp Asp Pro Val
            20

<210> 5238
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5238
Pro Gln Ala Lys Glu Met Phe Ile Asp Thr Val Ile Ser Ser Tyr Asn
1   5   10   15

Ile Glu Thr Ala
            20

<210> 5239
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5239
Thr Glu Arg Asp Val Ala Phe Thr Asp Leu Arg Arg Met Thr Thr Glu
1   5   10   15

Arg Asp Ser Leu
            20

<210> 5240
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5240
Thr Pro Ile Glu Trp Tyr Pro Asp Tyr Glu Val Glu Ala Tyr Arg Arg
1   5   10   15

Arg His His Asn
            20

<210> 5241
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5241
Glu Asp Val Arg Val Ser Gly Trp Leu Gln Thr Glu Phe Leu Ser Phe
1   5   10   15

Gln Asp Gly Asp
            20

<210> 5242
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5242
Ser Asn Thr Tyr Gln Leu Pro Asp Gly Ser Arg Val Glu Leu Thr Pro
1   5   10   15

Met Gln Arg Val
            20

<210> 5243
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5243
Leu Phe Gly Leu Glu Ile Trp Thr Asn Lys Asn Leu Ile Val Val Asp
1   5   10   15

Asp Val Arg Lys
            20

<210> 5244
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5244
Lys Trp Val Glu Ser Ile Phe Leu Ile Phe Leu Leu Asn Phe Thr Glu
1   5   10   15

Ser Arg Thr Leu
            20

<210> 5245
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5245
Leu Gly Asn Gly Ser Ser Val Asp Glu Val Ser Phe Tyr Ala Asn Arg
1   5   10   15

Leu Thr Asn Leu
            20

<210> 5246
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5246
Ser Ser Gly Lys Pro Ile Pro Ala Ser Val Val Leu Lys Arg Val Leu
1   5   10   15

Leu Arg His Thr
            20

<210> 5247
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5247
Lys Ile Arg Ser Glu Phe Lys Arg Lys Tyr Gly Lys Ser Leu Tyr Tyr
1   5   10   15

Tyr Ile Gln Gln
            20

<210> 5248
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5248
Pro Asp Ser Gln Gln Gln Tyr Asn Val Val Lys Thr Val Lys Val Thr
1   5   10   15

Glu Gln Leu Arg
            20

<210> 5249
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5249
Ala Gln Leu Glu Glu Asn Ala Lys Tyr Ser Ser Val Tyr Met Glu Ala
1   5   10   15

Glu Ala Thr Ala
            20

<210> 5250
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5250
Lys Met Lys Asn Thr Asp Tyr Leu Thr Gln Tyr Asp Leu Ser Glu Phe

1 5 10 15

Glu Asn Ile Gly
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<210> 5251
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5251
Ala Arg Asn Glu Thr Leu Ser Asn Thr Leu Val Glu Leu Ser Ala Gln
1 5 10 15

Val Gly Gln Leu
20

<210> 5252
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5252
Ser Glu Gln Asp Glu Leu Met Ala Asp Ile Ser Lys Arg Ile Gln Ser
1 5 10 15

Leu Glu Asp Glu
20

<210> 5253
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5253
Glu His Gln Leu Gly Asn Asn Thr Leu Ser Ser His Leu Gln Ile Asp
1 5 10 15

Lys Met Thr Asp
20

<210> 5254
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5254
Gln Gln Leu Gly Leu Ser Thr Asn Gly Lys Lys Ile Glu Val Tyr Leu
1   5   10   15

Arg Leu His Arg
            20

<210> 5255
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5255
His Lys Ala Arg Glu Lys Pro Tyr Asp Ser Lys Ser Leu Arg Thr Ala
1   5   10   15

Leu Gln Lys Glu
            20

<210> 5256
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5256
Glu Gln Gln Lys Lys Ile Glu Ser Tyr Leu His Asn His Phe Ile Gly
1   5   10   15

Glu Gly Met Thr
            20

<210> 5257
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5257
Gly Pro Leu Ser Val Tyr Pro Pro Ala Ser Ser Ser Ser Leu Ser Gly
1   5   10   15

Gly His Ala Ser
            20

<210> 5258

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5258
Ser Leu Ile Tyr Arg Arg Arg Leu Met Lys Gln Asp Phe Ser Val Pro
1   5   10   15

Gln Leu Pro His
            20

<210> 5259
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5259
Gln Leu Ser Thr Gly Gly Ser Val Ala Ser Ala Val Lys Leu Asn Lys
1   5   10   15

Gln Gln Thr Asp
            20

<210> 5260
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5260
His Asn Leu Leu Leu Asn Tyr Gly Leu Tyr Arg Lys Met Glu Ile Tyr
1   5   10   15

Arg Pro His Lys
            20

<210> 5261
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5261
Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val Glu Asn Glu
1   5   10   15

Thr Tyr Thr Leu
            20

<210> 5262
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5262
Gln Glu Gly Pro Ser Thr Phe Pro Asp Leu Glu Thr Ser Phe Gln Val
1   5   10   15

Ala Leu Ser Arg
            20

<210> 5263
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5263
Glu Glu Gly Pro Arg Met Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala
1   5   10   15

Ala Ile Ser Arg
            20

<210> 5264
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5264
Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser
1   5   10   15

Ser Ser Leu Gln
            20

<210> 5265
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5265
Glu Glu Gly Val Glu Ala Gln Glu Glu Ala Leu Gly Leu Val Gly Ala
1   5   10   15

Gln Ala Pro Thr
            20

<210> 5266
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5266
Pro Ala His Leu Glu Ser Leu Phe Arg Glu Ala Leu Asp Glu Lys Val
1   5   10   15

Ala Glu Leu Val
            20

<210> 5267
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5267
Tyr Lys Met Arg Glu Pro Ile Met Lys Ala Asp Met Leu Lys Val Val
1   5   10   15

Asp Glu Lys Tyr
            20

<210> 5268
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5268
Lys Ser Gly Ser Leu Val Gln Phe Leu Leu Tyr Lys Tyr Lys Ile Lys
1   5   10   15

Lys Ser Val Thr
            20

<210> 5269
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5269

Val Asp Val Ser Tyr Lys Lys Ser Tyr Lys Gly Ala Asn Ser Lys Ile
1   5   10   15

Glu Lys Lys Gln
            20

<210> 5270
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5270
Ser Ala Ser Gln Lys Ala Ile Ile Phe Lys Arg Leu Ser Lys Asp Ala
1   5   10   15

Val Lys Lys Lys
            20

<210> 5271
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5271
Ser Thr Phe Glu Gly Phe Ala Gln Ser Ser Leu Gln Ile Pro Val Ser
1   5   10   15

Pro Ser Phe Ser
            20

<210> 5272
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5272
Lys Leu Arg Glu Ile Leu Leu Tyr Phe Phe Pro Glu His Gln Leu Pro
1   5   10   15

Ser Glu Leu Glu
            20

<210> 5273
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5273
Gln Gln His Val Pro Phe Arg Glu Ser Lys Leu Thr His Tyr Phe Gln
1   5   10   15

Ser Phe Phe Asn
            20

<210> 5274
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5274
Gln Leu Lys Val Leu Ile Ala Glu Asn Thr Met Leu Thr Ser Lys Leu
1   5   10   15

Lys Glu Lys Gln
            20

<210> 5275
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5275
Ile Thr Pro Pro Ser Ser Glu Lys Leu Val Ser Val Met Arg Leu Ser
1   5   10   15

Asp Leu Ser Thr
            20

<210> 5276
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5276
Ser Met Glu Trp Asp Thr Gln Val Val Lys Gly Ser Ser Pro Leu Gly
1   5   10   15

Pro Ala Gly Leu
            20

<210> 5277
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5277
Gly Pro Pro Asp Pro Gln Ala Phe Gln Gly Pro Ala Ala Tyr Gln Pro
1   5   10   15

Asp Gln Met Arg
            20

<210> 5278
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5278
Gly Thr Gly Val Asn Val Tyr Leu Met Lys Arg Ser Pro Arg Gly Leu
1   5   10   15

Ser His Ser Pro
            20

<210> 5279
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5279
Asp Val Met His Leu Ser Gln Ser Pro Ser Val Ser Gln Leu Ser Val
1   5   10   15

Leu Ser Leu Ser
            20

<210> 5280
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5280
Ile Gly Glu Gly Thr Phe Ser Glu Val Met Lys Met Gln Ser Leu Arg
1   5   10   15

Asp Gly Asn Tyr

20

<210> 5281
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5281
Arg Lys Gln Asp Asn Val Leu Ser Asn Val Leu Ser Gly Leu Ile Asn
1 5 10 15

Met Ala Gly Ala
20

<210> 5282
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5282
Thr Glu Lys Glu Asn Lys Met Lys Asp Leu Thr Phe Leu Leu Glu Glu
1 5 10 15

Ser Arg Asp Lys
20

<210> 5283
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5283
Glu Tyr Ser Gln Gln Phe Leu Thr Leu Phe Gln Gln Trp Asp Leu Asp
1 5 10 15

Met Gln Lys Ala
20

<210> 5284
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5284
Val Ala Phe Pro Pro Arg Ala Lys Asp Gly Leu Val Val Phe Gly Lys
1 5 10 15

Asn Ser Ala Arg
            20

<210> 5285
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5285
Ile Gln Asp Ile Ile Thr Ser Leu Ala Arg Asn Glu Ala Pro Ala Phe
1   5   10   15

Thr Ile Asp Asn
            20

<210> 5286
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5286
Gly Gln Asp Thr Ser Ser Gln Lys Ile Glu Asp Leu Met Glu Met Val
1   5   10   15

Gln Lys Leu Gln
            20

<210> 5287
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5287
Asp Arg Gly Ser Glu Thr Thr Tyr Glu Ser Ser Ala Asp Ile Ala Gly
1   5   10   15

Asp Glu Gly Thr
            20

<210> 5288
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5288
Leu Met Glu Leu Asn Gly Ser Ser Ser Gln Leu Ile Ile Met Leu Leu
1   5   10   15

Lys Asn Phe Met
            20

<210> 5289
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5289
Ser Asn Ala Ala Ile Gln Ile Ala Ser Ala Thr Met Pro Ala Leu Ser
1   5   10   15

Leu Asn Asn Asp
            20

<210> 5290
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5290
Asn Glu Gly Tyr Asp Arg Arg Pro Leu Ala Ser Met Ser Leu Pro Pro
1   5   10   15

Pro Lys Ala Ser
            20

<210> 5291
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5291
Ser Ser Gly Arg Gln Ser Phe Tyr Arg Asn Pro Ile Lys Glu Val Val
1   5   10   15

Arg Phe Leu Asp
            20

<210> 5292
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5292
Glu Leu Val Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu
1   5   10   15

Gln Leu Ala Leu
            20

<210> 5293
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5293
Ser Gln Ser Ser Asn Leu Ser Gln His Gln Arg Ile His Met Arg Glu
1   5   10   15

Asn Leu Leu Met
            20

<210> 5294
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5294
Pro Trp Pro Glu Arg Leu Ser Asn Asn Val Glu Glu Leu Leu Gln Ser
1   5   10   15

Ser Leu Ser Leu
            20

<210> 5295
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5295
Leu Ala Lys Asp Leu Ile Val Ser Ala Leu Lys Leu Ile Gln Tyr His
1   5   10   15

Leu Thr Gln Gln
            20

<210> 5296
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5296
Leu Glu Lys Asp Ile Ile Ser Asp Thr Ser Gly Asp Phe Arg Lys Leu
1   5   10   15

Met Val Ala Leu
            20

<210> 5297
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5297
Asp Lys Ser Lys Leu Trp Leu Leu Lys Asp Arg Asp Leu Ala Arg Gln
1   5   10   15

Lys Glu Gln Glu
            20

<210> 5298
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5298
Lys Val Ser Ser Ile His Ser Asp Gln Ser Asp Val Leu Met Val Asp
1   5   10   15

Val Ala Thr Ser
            20

<210> 5299
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5299
Gln Glu Arg Thr Asn Ser Glu Leu His Asn Leu Arg Gln Ile Tyr Val
1   5   10   15

Lys Gln Gln Ser
            20

<210> 5300
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5300
Ala Gln Leu Gln Arg Thr Pro Met Ser Ala Leu Val Phe Pro Asn Lys
1   5   10   15

Ile Ser Thr Glu
            20

<210> 5301
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5301
Glu Leu Tyr Gln Glu Asn Glu Met Lys Leu His Arg Lys Leu Thr Val
1   5   10   15

Glu Glu Asn Tyr
            20

<210> 5302
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5302
Gly Pro Leu Lys Asn Thr Ser Asp Val Ile Asn Ala Ala Lys Lys Ile
1   5   10   15

Ala Glu Ala Gly
            20

<210> 5303
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5303
Arg Leu Phe Leu Lys Gly Asn Leu Leu Arg Gly Ile Asp Ser Leu Phe

1 5 10 15

Ser Ala Pro Met
20

<210> 5304
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5304
Val Arg Thr Tyr Trp Ile Ile Ile Glu Leu Lys His Lys Ala Arg Glu
1 5 10 15

Lys Pro Tyr Asp
20

<210> 5305
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5305
Val Leu Pro Asp Gly Gln Val Ile Trp Val Asn Asn Thr Ile Ile Asn
1 5 10 15

Gly Ser Gln Val
20

<210> 5306
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5306
Pro Ala Arg Arg Ala Lys Arg Met Arg Ala Glu Ala Met Asn Ile Lys
1 5 10 15

Ile Glu Pro Glu
20

<210> 5307
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5307
Leu Glu Asn Phe Thr Leu Lys Val Ala Tyr Ile Pro Asp Glu Met Ala
1   5   10   15

Ala Gln Gln Asn
            20

<210> 5308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5308
Ala Ala Glu Ala Asp Gly Ile Asp Pro Leu Ile Asn Leu Leu Ser Ser
1   5   10   15

Lys Arg Asp Gly
            20

<210> 5309
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5309
Trp Lys Asn Ile His Lys Gln Val Ile Gln Ser Ala Tyr Glu Ile Ile
1   5   10   15

Lys Leu Lys Gly
            20

<210> 5310
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5310
Val Lys Asn Thr Arg Lys Val Ala Val Ser Leu Ser Val His Ile Lys
1   5   10   15

Asn Leu Leu Lys
            20

<210> 5311

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5311
Lys Val Leu Glu Tyr Val Ile Lys Val Ser Ala Arg Val Arg Phe Phe
1   5   10   15

Phe Pro Ser Leu
            20

<210> 5312
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5312
Ala Ser Glu Glu Glu Ile Trp Glu Glu Leu Gly Val Met Gly Val Tyr
1   5   10   15

Asp Gly Arg Glu
            20

<210> 5313
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5313
Val Gly Asn Trp Gln Tyr Phe Phe Pro Val Ile Phe Ser Lys Ala Ser
1   5   10   15

Asp Ser Leu Gln
            20

<210> 5314
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5314
Val Asn Pro Asn Gly His Thr Tyr Thr Phe Ile Asp Lys Val Asp Leu
1   5   10   15

Thr Asp Glu Glu
            20

<210> 5315
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5315
Glu Phe Leu Asn Lys Met Arg Ile Tyr Asp Gly Lys Lys His Phe Ile
1   5   10   15

Phe Gly Glu Pro
            20

<210> 5316
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5316
Gly Glu Pro Arg Lys Leu Ile Thr Gln Asp Leu Val Gln Glu Lys Tyr
1   5   10   15

Leu Glu Tyr Gln
            20

<210> 5317
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5317
Arg Thr Ser Gln His Leu Val Val Ala Phe Gly Val Glu Leu Lys Glu
1   5   10   15

Met Asp Ser Ser
            20

<210> 5318
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5318
Leu Asp Glu Lys Val Asp Glu Leu Ala Arg Phe Leu Leu Leu Lys Tyr
1   5   10   15

Gln Val Lys Gln
            20

<210> 5319
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5319
Ala Phe Thr Lys Leu Asn Asn Ala Ser Ser Arg Ser His Ser Ile Phe
1   5   10   15

Thr Val Lys Ile
            20

<210> 5320
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5320
Pro Ser Pro Gly Ser Thr Leu Ser Ser Ser Arg Ser Val Glu Leu Asn
1   5   10   15

Gly Phe Met Ala
            20

<210> 5321
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5321
Tyr Leu Lys Gly Glu Leu Leu Arg Arg Thr Lys Arg Asp Ile Val Asp
1   5   10   15

Ser Leu Ser Ala
            20

<210> 5322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5322

Ile Asp Ile His Phe Leu Glu Arg Lys Met Gln His His Leu Leu Lys
1   5   10   15

Glu Lys Asn Glu
            20

<210> 5323
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5323
Glu Lys Ser Glu Glu Tyr Ala Glu Gln Leu His Val Gln Leu Ala Asp
1   5   10   15

Lys Asp Leu Tyr
            20

<210> 5324
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5324
Gln Pro Asp Gln Met Arg Ser Ala Glu Gln Thr Arg Leu Met Pro Ala
1   5   10   15

Glu Gln Arg Asp
            20

<210> 5325
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5325
Ser Asn Ser Ile Lys Arg Asn Pro Asn Ala Pro Val Val Arg Arg Gly
1   5   10   15

Trp Leu Tyr Lys
            20

<210> 5326
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5326
Gln Glu Thr Ala Gln Leu Val Gly Ser Thr Ala Ser Gln Gln Pro Gly
1   5   10   15

Tyr Ile Gln Pro
            20

<210> 5327
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5327
Met Ser Gly Arg Ala Arg Val Lys Ala Arg Gly Ile Ala Arg Ser Pro
1   5   10   15

Ser Ala Thr Glu
            20

<210> 5328
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5328
Arg Arg Leu Trp Gly Ser Ile Gln Ser Arg Tyr Ile Ser Met Ser Val
1   5   10   15

Trp Thr Ser Pro
            20

<210> 5329
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5329
Arg Pro Phe Tyr Arg His Val Ile Tyr Ala Pro Ser Ser His Asn Lys
1   5   10   15

Tyr Ala Gly Glu
            20

<210> 5330
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5330
Gly Ser Met Lys Val Lys Arg Gln Phe Val Glu Phe Thr Ile Lys Glu
1   5   10   15

Ala Ala Arg Phe
            20

<210> 5331
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5331
Gln Glu Asn Arg Lys Ile Ile Glu Ala Gln Arg Lys Ala Ile Gln Glu
1   5   10   15

Leu Gln Phe Gly
            20

<210> 5332
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5332
Met Phe Arg Gln Gln Gln Lys Ile Leu Gln Gln Ser Arg Ile Val Gln
1   5   10   15

Ser Gln Arg Leu
            20

<210> 5333
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5333
Pro Leu Lys Asn Val Arg Lys Lys Arg Phe Arg Lys Thr Gln Lys Lys
1   5   10   15

Val Pro Asp Val

20

<210> 5334
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5334
Lys Leu Val Glu Asn Ser Leu Ser Ile Ser Asn Pro Gly Leu Phe Thr
1 5 10 15

Ser Leu Gly Pro
20

<210> 5335
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5335
Gly Glu Tyr Phe Tyr Ser Ser Thr Ala Gln Glu Asn Leu Ala Leu Glu
1 5 10 15

Thr Ser Ser Pro
20

<210> 5336
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5336
Leu Lys Lys Ala His Arg Arg Val His Thr Ser Leu Gln Leu Ile Thr
1 5 10 15

Lys Val Gly Glu
20

<210> 5337
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5337
Arg Lys Arg Arg Arg Arg Arg Arg Leu Met Glu Leu Ala Glu Pro Lys
1 5 10 15

Ile Asn Trp Gln
            20

<210> 5338
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5338
Thr Thr Asp Lys Ile Leu Ile Asp Val Phe Asp Gly Leu Pro Leu Tyr
1   5   10   15

Asp Asp Val Lys
            20

<210> 5339
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5339
Phe Trp Ser Trp Val Gly Gln Ala Asn Asp Ile Gly Leu Leu Lys Leu
1   5   10   15

Lys Gln Glu Leu
            20

<210> 5340
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5340
Ala Ser Pro Leu Thr Gly Ile Ala Asp Ala Ser Gln Ser Ser Met His
1   5   10   15

Asn Ala Leu His
            20

<210> 5341
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5341
Glu Asn Ser Arg Ser Met Pro Lys Leu Glu Ile Phe Glu Lys Ile Glu
1   5   10   15

Ser Gln Arg Ile
            20

<210> 5342
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5342
Gly Phe Thr Lys Arg Leu Phe Arg Glu Leu Met Gly Asp His Val Ser
1   5   10   15

Ser Thr Lys Ala
            20

<210> 5343
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5343
Gln Ile Thr Glu Glu Gln Leu Glu Ala Val Ile Ala Asp Phe Ser Gly
1   5   10   15

Leu Leu Glu Lys
            20

<210> 5344
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5344
Ala Gln Asp Lys Ala Glu Ser Tyr Ser Leu Ile Ser Met Lys Gly Met
1   5   10   15

Gly Asp Pro Lys
            20

<210> 5345
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5345
Leu Ser Gly Glu Ala Ala Glu Ala Val His Ser Gly Thr Ser Val Lys
1   5   10   15

Ser Ser Ser Gly
            20

<210> 5346
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5346
Pro Val Gln Glu Asp Met Ala Leu Asn Glu Val Leu Gln Lys Leu Lys
1   5   10   15

His Thr Asn Arg
            20

<210> 5347
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5347
Thr Ile Leu Ser Pro Lys Gln Ile Lys Thr Pro Phe Gln Lys Ile Leu
1   5   10   15

Arg Asp Lys Asp
            20

<210> 5348
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5348
Val Ala Glu Ala Lys Met Thr Phe Lys Arg Phe Gln Ala Asn Glu Glu
1   5   10   15

Arg Leu Glu Ile
            20

<210> 5349
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5349
Ala Ala Pro Ile His Asp Ala Asp Ala Gln Glu Ser Ser Leu Gly Leu
1   5   10   15

Thr Gly Leu Gln
            20

<210> 5350
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5350
Ala Ser Gly Ala Leu Val Gly Ala Ala Ser Gly Ser Ser Ala Gly Gly
1   5   10   15

Ser Ser Arg Gly
            20

<210> 5351
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5351
Thr Arg Asn Asp Trp Arg Val Ala Ser Glu Leu Ile Asn Ile Leu Glu
1   5   10   15

Arg Ala Asn Gln
            20

<210> 5352
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5352
Leu Pro Glu Ile Gln Glu Leu Tyr Gln Thr Leu Leu Ala Lys Pro Ser
1   5   10   15

Pro Ala Gln Gln
            20

<210> 5353
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5353
Ser Asp Leu Glu Ser Ile Phe Lys Asp Ala Lys Ile Pro Val Ser Gly
1   5   10   15

Pro Phe Leu Val
            20

<210> 5354
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5354
Ser Ser Lys Arg Asp Gly Ala Ile Ala Asn Ala Ala Thr Val Leu Thr
1   5   10   15

Asn Met Ala Met
            20

<210> 5355
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5355
Asp Leu Gln His Gly Ser Leu Phe Phe Ser Thr Ser Lys Ile Thr Ser
1   5   10   15

Gly Lys Asp Tyr
            20

<210> 5356
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5356
Asp Met Asn Val Ile Val Val Asp Trp Ser Arg Gly Ala Thr Thr Phe

1 5 10 15

Ile Tyr Asn Arg
20

<210> 5357
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5357
Trp Val Gln Glu Asn Tyr Leu Glu Tyr Arg Gln Val Pro Gly Ser Asn
1 5 10 15

Pro Ala Arg Tyr
20

<210> 5358
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5358
Ser Val Met Gly Leu Tyr Asp Gly Arg Glu His Ser Val Tyr Trp Lys
1 5 10 15

Leu Arg Lys Leu
20

<210> 5359
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5359
Asn Leu Ser Asn Asp Trp Asp Phe Pro Arg Asn Gly Leu Leu Met Pro
1 5 10 15

Leu Leu Gly Val
20

<210> 5360
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5360
Arg Gly Gln Thr Gln Asp His Gln Gly Ala Gln Ile Thr Ala Thr Asn
1   5   10   15

Lys Lys Lys Val
            20

<210> 5361
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5361
Arg Thr His Ser Thr Phe Glu Gly Phe Pro Gln Ser Leu Leu Gln Ile
1   5   10   15

Pro Met Thr Ser
            20

<210> 5362
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5362
Lys Gln Glu Phe Leu Asn Val Gln Glu Tyr Asn His Leu Leu Lys Val
1   5   10   15

Met Gly Gln Tyr
            20

<210> 5363
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5363
Val Gln Gln Ile Gln Ser Asn Tyr Asp Ile Ala Ile Ala Glu Leu His
1   5   10   15

Val Gln Lys Ser
            20

<210> 5364

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5364
Thr Met Asn Lys Arg Tyr Asn Val Ser Gln Gln Ala Leu Asp Leu Gln
1   5   10   15

Asn Leu Arg Phe
            20

<210> 5365
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5365
Tyr Trp Arg Thr Ser Ser Phe Arg Met Thr Glu His Asn Ser Val Lys
1   5   10   15

Pro Trp Gln Gln
            20

<210> 5366
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5366
Asn Arg Ser Leu Gly Gln Arg Gln Asn Ser Pro Leu Pro Phe Gln Trp
1   5   10   15

Arg Ile Thr His
            20

<210> 5367
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5367
Arg Ser Trp Thr Tyr Gly Ile Thr Arg Gly Gly Arg Val Phe Phe Ile
1   5   10   15

Asn Glu Glu Ala
            20

<210> 5368
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5368
Lys Val Leu Arg Ser Glu Thr Val Leu Asp Phe Met Phe Asn Phe Tyr
1   5   10   15

His Gln Thr Glu
            20

<210> 5369
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5369
Phe Lys Arg Ala Asn Met Asp Asn Asp Ile Ala Leu Leu Leu Leu Ala
1   5   10   15

Ser Pro Ile Lys
            20

<210> 5370
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5370
Arg Leu Gln Asp Phe Asp Lys Ser Asn Pro Ile Val Leu Arg Met Met
1   5   10   15

Asn Asp Gln Leu
            20

<210> 5371
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5371
Lys Met Glu Asn Val Gln Pro Ala Pro Asp Asn Val Leu Leu Thr Leu
1   5   10   15

Arg Pro Arg Arg
            20

<210> 5372
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5372
Ala Ala Thr Glu Ala Pro Lys Met Ser Asn Ala Asp Phe Ala Lys Leu
1   5   10   15

Phe Leu Arg Lys
            20

<210> 5373
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5373
Gly Gly Ser Gly Ala Val Met Ser Glu Arg Val Ser Gly Leu Ala Gly
1   5   10   15

Ser Ile Tyr Arg
            20

<210> 5374
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5374
Asn Glu Val Lys Arg Leu Leu Arg Ser Asp Ala Glu Ala Val Ser Thr
1   5   10   15

Arg Trp Glu Val
            20

<210> 5375
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5375

Asn Glu Ser Val Arg Pro Tyr Thr Pro Phe Glu Val Lys Ile Arg Ser
1   5   10   15

Tyr Asn Arg Arg
            20

<210> 5376
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5376
Phe Gln Ala Glu Asn Thr Ile Met Leu Leu Glu Arg Ser Ile Met Ala
1   5   10   15

Lys Glu Gly Pro
            20

<210> 5377
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5377
Ala Tyr Asp Pro Lys His Phe His Asn Arg Val Val Arg Ile Met Ile
1   5   10   15

Asp Asp His Asn
            20

<210> 5378
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5378
Leu Val Glu Arg Arg Glu Glu Ala Gln Arg Ala Gln Gln Ala Val Pro
1   5   10   15

Gly Pro Gly Pro
            20

<210> 5379
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5379
Ala Gln Tyr Arg Ile His Thr His Gly Val Phe Arg Gly Ile Gln Asp
1   5   10   15

Val Arg Arg Val
            20

<210> 5380
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5380
Gly Arg Arg Asp Ala Arg Ser Phe Val Glu Ala Ala Gly Thr Thr Asn
1   5   10   15

Phe Pro Ala Asn
            20

<210> 5381
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5381
Ser Lys Ile Ala Ser Glu Met Ala Tyr Glu Ala Val Glu Leu Thr Ala
1   5   10   15

Ala Glu Met Arg
            20

<210> 5382
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5382
Met Lys Gly Lys Gly Thr Arg Asp Lys Val Leu Ile Arg Ile Met Val
1   5   10   15

Ser Arg Ser Glu
            20

<210> 5383
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5383
Ser Ala Thr Glu Lys Val Phe Lys Gln Gln Glu Ile Pro Ser Val Phe
1   5   10   15

Pro Lys Thr Ser
            20

<210> 5384
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5384
Ile Lys Ile Gly Ser Glu Lys Ser Leu His Leu Glu Val Glu Ile Thr
1   5   10   15

Ser Ile Val Ser
            20

<210> 5385
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5385
Glu Arg Pro Glu Ile Val Ser Thr Trp Ser Ser Ala Gly Ile Ser Trp
1   5   10   15

Arg Ser Glu Ala
            20

<210> 5386
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5386
His Lys Glu Lys Asp Lys Gly Leu Gln Thr Thr Gln Asn Gly Arg Phe
1   5   10   15

Tyr Ala Ile Ser

20

<210> 5387
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5387
Asn Gln Lys Ser Leu Phe Lys Asp Gln Lys Phe Glu Ala Met Leu Val
1 5 10 15

Gln Gln Asn Arg
20

<210> 5388
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5388
Lys Thr Arg Ser Gly Lys Val Phe Gln Asn Lys Met Ala Asn Gly Asn
1 5 10 15

Gln Pro Val Lys
20

<210> 5389
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5389
Ile Glu Glu Lys Ser Lys Leu Leu Glu Lys Phe Ser Leu Val Gln Lys
1 5 10 15

Glu Tyr Glu Gly
20

<210> 5390
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5390
Gly Ser Ser Arg Gly Gly Gly Ser Gly Ser Gly Ala Ser Asp Leu Gly
1 5 10 15

Ala Gly Ser Lys
            20

<210> 5391
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5391
Asn Ser Tyr Asn Val Arg Arg Thr Glu Gly Phe Ser Val Thr Leu Asp
1   5   10   15

Asp Leu Ala Pro
            20

<210> 5392
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5392
Arg Pro Ser Arg Val His Ala Ser Glu Val Glu Ser Ala Val Trp Tyr
1   5   10   15

Val Lys Lys Phe
            20

<210> 5393
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5393
Gln Leu Ala Glu Ile Asp Ile Lys Leu Gln Glu Leu Ser Ala Ala Ser
1   5   10   15

Pro Thr Ile Ser
            20

<210> 5394
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5394
Gly Ser His His Thr Ala Ser Pro Trp Asn Leu Ser Pro Phe Ser Lys
1   5   10   15

Thr Ser Ile His
            20

<210> 5395
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5395
Phe Val Asn Leu Lys Asn Ile Thr Tyr Leu Val Leu Asp Glu Ala Asp
1   5   10   15

Lys Met Leu Asp
            20

<210> 5396
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5396
Gly Ser Val Ala Gly Ala Val Lys Leu Asn Arg Gln Gln Thr Asp Met
1   5   10   15

Ala Val Asn Trp
            20

<210> 5397
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5397
Thr Glu Ser Val Ser His Phe Ser Asp Leu Gly Gln Ser Phe Ser Phe
1   5   10   15

His Ser Gly Asn
            20

<210> 5398
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5398
Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr Trp
1   5   10   15

Lys Thr Ile Ile
            20

<210> 5399
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5399
His Ser Val Pro Lys Arg Gln Arg Ile Arg Lys Leu Gln Ile Arg Asn
1   5   10   15

Ile Pro Pro His
            20

<210> 5400
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5400
Phe His Pro Gly Gly Leu Met Lys Leu Arg Ser Arg Glu Ala Asp Leu
1   5   10   15

Tyr Arg Phe Ile
            20

<210> 5401
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5401
Arg Ala His Ala Glu Thr Ser Lys Met Lys Val Leu Glu Tyr Ile Ala
1   5   10   15

Asn Ala Asn Gly
            20

<210> 5402
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5402
Glu Glu Gly Pro Ser Thr Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala
1   5   10   15

Ala Leu Ser Arg
            20

<210> 5403
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5403
Gln Ile Lys Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile
1   5   10   15

Lys Asn Tyr Lys
            20

<210> 5404
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5404
Lys Glu Pro Val Thr Lys Ala Glu Met Leu Glu Ser Val Ile Lys Asn
1   5   10   15

Tyr Lys Arg Tyr
            20

<210> 5405
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5405
Asp Gly Glu Glu His Ser Val Phe Gly Glu Pro Trp Lys Leu Ile Thr
1   5   10   15

Lys Asp Leu Val
            20

<210> 5406
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5406
Ser Thr Ser Thr Glu Arg Ser Leu Lys Asp Ser Leu Thr Arg Lys Thr
1   5   10   15

Lys Met Leu Val
            20

<210> 5407
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5407
Gln Ala Thr Ile Asp Thr Ala Asp Asp Ala Thr Val Met Ala Ser Glu
1   5   10   15

Ser Leu Ser Val
            20

<210> 5408
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5408
Leu Asp Val Gln Ile Gln His Val Val Glu Gly Lys Arg Ala Leu Ser
1   5   10   15

Glu Leu Thr Gln
            20

<210> 5409
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5409
Glu Ser Leu Asp Gln Lys Leu Phe Gln Leu Gln Ser Lys Asn Met Trp

1 5 10 15

Leu Gln Gln Gln
20

<210> 5410
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5410
His Lys Ala Glu Val Glu Ala Ile Met Glu Gln Leu Lys Glu Leu Lys
1 5 10 15

Gln Lys Gly Asp
20

<210> 5411
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5411
Thr Lys Tyr Val Phe Asp Ser Ala Pro Ser His Ser Ile Ser Ala Arg
1 5 10 15

Thr Lys Ala Phe
20

<210> 5412
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5412
Ser Val His Leu Ala Trp Asp Leu Ser Arg Ser Leu Gly Ala Val Val
1 5 10 15

Phe Ser Arg Val
20

<210> 5413
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5413
Asn Asp Leu Ile Glu Glu Arg Tyr Lys Ala Ser Gln Asp Pro Phe Pro
1   5   10   15

Ala Ala Ile Ile
            20

<210> 5414
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5414
Arg Gly Thr Thr Glu Ile Gly Met Ile Gly Ser Lys Pro Phe Ser Thr
1   5   10   15

Val Lys Tyr Lys
            20

<210> 5415
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5415
Lys Arg Val Asn Thr Arg Phe Phe Ala Gln Ser Gly Gly Arg Leu Gln
1   5   10   15

Asn Pro Leu Pro
            20

<210> 5416
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5416
Lys Thr Pro Lys Asp Ser Phe Thr Met Ser Asp Gly Lys Glu Ile Thr
1   5   10   15

Phe Leu Glu Tyr
            20

<210> 5417

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5417
Pro Ser Val Ser Gln Leu Ser Val Leu Ser Leu Ser Gly Val Met Leu
1   5   10   15

Thr Asp Val Ser
            20

<210> 5418
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5418
Tyr Ser Glu Glu Leu Phe Pro Glu Glu Leu Ser Val Val Leu Gly Thr
1   5   10   15

Asn Asp Leu Thr
            20

<210> 5419
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5419
Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu Thr Tyr Glu
1   5   10   15

Leu Val Glu Lys
            20

<210> 5420
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5420
Arg Leu Asn Pro His Pro Asn Ile Leu Met Leu His Glu Val Val Phe
1   5   10   15

Asp Arg Lys Ser
            20

<210> 5421
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5421
Glu Leu Thr Lys Val Arg Met Ala Arg Gln Lys Met Ser Glu Ile Phe
1   5   10   15

Pro Leu Thr Glu
            20

<210> 5422
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5422
Glu Leu Glu Asp Ile Lys Val Ser Leu Gln Arg Ser Val Ser Thr Gln
1   5   10   15

Lys Ala Leu Glu
            20

<210> 5423
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5423
Thr Gly Glu Gly Glu Phe Asn Phe Ser Glu Val Phe Ser Pro Val Glu
1   5   10   15

Asp His Leu Asp
            20

<210> 5424
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5424
Ser Ile Leu Gln Glu Gln Ile Ser His Leu Gln Phe Val Ile His Ser
1   5   10   15

Gln His Gln Asn
            20

<210> 5425
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5425
Gln Gln Gln Glu Gln Ile Ala Arg Gln Gln Gln Gln Leu Leu Gln Gln
1   5   10   15

Gln His Lys Ile
            20

<210> 5426
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5426
Ile Ile Glu Ala Lys Met Glu Leu Glu Glu Val Thr Arg Leu Leu Asn
1   5   10   15

Leu Lys Asp Lys
            20

<210> 5427
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5427
Ser Ser Ser Leu Ser Ile Lys Trp Asp Pro Val Val Pro Phe Arg Asn
1   5   10   15

Glu Ser Ala Val
            20

<210> 5428
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5428

Gln Ala Ile Ile Gln Gly Phe Ser Tyr Asp Leu Leu Lys Lys Ile Asp
1   5   10   15

Ser Pro Gln Arg
            20

<210> 5429
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5429
His Val Ser Asp His Asn Arg Leu Leu His Leu Ala Arg Pro Lys Ala
1   5   10   15

Gln Ser Asp Lys
            20

<210> 5430
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5430
Thr Val Glu Lys Glu Met Lys Ser Leu Ala Arg Lys Ala Met Asp Thr
1   5   10   15

Glu Ser Glu Leu
            20

<210> 5431
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5431
Ser Ala Lys Glu Gly Thr Ala Phe Arg Met Glu Ala Val Gln Glu Gly
1   5   10   15

Ala Ala Gly Val
            20

<210> 5432
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5432
Ser Val Tyr Ala Asp Gln Val Asn Ile Asp Tyr Leu Met Asn Arg Pro
1   5   10   15

Gln Asn Leu Arg
            20

<210> 5433
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5433
Phe Thr Ser Ser Arg Met Ser Ser Phe Asn Arg His Met Lys Thr His
1   5   10   15

Thr Ser Glu Lys
            20

<210> 5434
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5434
Lys Gln Gln Val Phe Ile Asp Val Ile Asn Lys Leu Lys Glu Asn Val
1   5   10   15

Glu Glu Leu Ile
            20

<210> 5435
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5435
Lys Lys Ile Glu Val Tyr Leu Arg Leu His Arg His Ala Tyr Pro Glu
1   5   10   15

Gln Arg Gln Asp
            20

<210> 5436
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5436
Gly Ser Lys Leu Gly Arg Arg Ala Lys Pro Glu Gly Ala Leu Gln Asn
1   5   10   15

Asn Asp Gly Leu
            20

<210> 5437
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5437
Ser Asp Thr Lys Asp Tyr Phe Met Ser Lys Thr Leu Gly Ile Gly Arg
1   5   10   15

Leu Lys Arg Pro
            20

<210> 5438
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5438
Lys Leu His Asn Ile Asn Arg Pro Leu Thr Met Lys Lys Glu Gly Ile
1   5   10   15

Gln Thr Arg Asn
            20

<210> 5439
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5439
Ser Val Met Asp Leu Val Gly Ser Ile Leu Lys Asn Leu Arg Arg Val
1   5   10   15

His Pro Val Ser

20

<210> 5440
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5440
Gln Glu Glu Ser Phe Ser Pro Thr Ala Met Asp Ala Ile Phe Gly Ser
1 5 10 15

Leu Ser Asp Glu
20

<210> 5441
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5441
Glu Asp Ser Val Phe Ala His Pro Arg Lys Leu Leu Met Gln Asp Leu
1 5 10 15

Val Gln Glu Asn
20

<210> 5442
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5442
Arg Glu Ala Leu Asp Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu
1 5 10 15

Arg Lys Tyr Gln
20

<210> 5443
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5443
Leu Gln Arg Pro Val Ser Ser Phe Phe Ser Tyr Thr Leu Ala Ser Leu
1 5 10 15

Leu Gln Ser Ser
            20

<210> 5444
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5444
Glu Ser Leu Val Glu Lys Thr Pro Asp Glu Ala Ala Ser Leu Val Glu
1   5   10   15

Gly Thr Ser Asp
            20

<210> 5445
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5445
Asp Trp Asn Leu Tyr Trp Arg Thr Ser Ser Phe Arg Met Thr Glu His
1   5   10   15

Asn Ser Val Lys
            20

<210> 5446
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5446
Ser Ala Arg Val Arg Ser Arg Ser Arg Gly Arg Gly Asp Gly Gln Glu
1   5   10   15

Ala Pro Asp Val
            20

<210> 5447
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5447
Tyr Leu Thr Gly Leu Thr Asp Lys Met Arg Asn Asp Phe Asn Val Met
1   5   10   15

Lys Asp Leu Ala
            20

<210> 5448
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5448
Glu Asn Pro Ala Met Gln Glu Lys Lys Arg Ser Ser Ile Trp Gln Phe
1   5   10   15

Phe Ser Arg Leu
            20

<210> 5449
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5449
Asn Glu Gln Asp Leu Val Arg Glu Glu Ala Gln Lys Met Ser Ser Leu
1   5   10   15

Leu Pro Thr Met
            20

<210> 5450
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5450
Gly Phe Ser Tyr Glu Gln Asp Pro Thr Leu Arg Asp Pro Glu Ala Val
1   5   10   15

Ala Arg Arg Trp
            20

<210> 5451
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5451
Arg Gln Leu Arg Leu Leu Phe Asp Gln Ala Tyr Gln Met Arg Pro Ser
1   5   10   15

Ile Ile Phe Phe
            20

<210> 5452
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5452
Gly Val Val Phe Leu Ala Leu Ser Ala Gln Leu Leu Gln Ala Arg Leu
1   5   10   15

Met Lys Glu Glu
            20

<210> 5453
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5453
Arg Leu Leu Phe Ser Ser Ser Ala Ala Phe Ala Lys Phe Glu Ile Thr
1   5   10   15

Leu Phe Leu Ser
            20

<210> 5454
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5454
Gln Gln Leu Glu Ser Phe Gln Ala Leu Arg Met Gln Thr Leu Gln Asn
1   5   10   15

Val Ser Met Val
            20

<210> 5455
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5455
Ala Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu Pro
1   5   10   15

Val Ser Pro Arg
            20

<210> 5456
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5456
Lys Lys Arg Ser Glu Glu Leu Leu Ser Gln Val Gln Phe Leu Tyr Thr
1   5   10   15

Ser Leu Leu Lys
            20

<210> 5457
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5457
His Pro Leu Leu Gly Val Ser Ala Thr Leu Asn Ser Val Leu Asn Ser
1   5   10   15

Asn Ala Ile Lys
            20

<210> 5458
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5458
Thr Gly Glu Glu Leu Phe Phe Asp Tyr Arg Tyr Ser Gln Ala Asp Ala
1   5   10   15

Leu Lys Tyr Val
            20

<210> 5459
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5459
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg Tyr
1   5   10   15

Val Glu Pro Pro
            20

<210> 5460
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5460
Glu Lys Arg Tyr Leu Arg Met Ala Val Leu Thr Leu Tyr Thr Asp Pro
1   5   10   15

Met Gly Ser Glu
            20

<210> 5461
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5461
Ala Glu Arg Asn Arg Val Ala Thr Met Pro Val Arg Leu Leu Arg Asp
1   5   10   15

Ser Pro Ala Ala
            20

<210> 5462
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5462
Ser Phe Phe Tyr Val Thr Glu Thr Thr Phe Gln Lys Asn Arg Leu Phe

1 5 10 15

Phe Tyr Arg Lys
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<210> 5463
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5463
Ala Asn Ile Arg Phe Ser Ile Trp Ile Ser Phe Phe Glu Ile Tyr Asn
1 5 10 15

Glu Leu Leu Tyr
20

<210> 5464
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5464
Lys Ala Gln Asn Ala Ser Lys Gly Ile Tyr Ala Met Ala Ser Arg Asp
1 5 10 15

Val Phe Leu Leu
20

<210> 5465
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5465
Ser Gln Gln Asn Val Ser Met Asp Leu Ala Thr Phe Met Lys Leu Arg
1 5 10 15

Thr Asp Ala Val
20

<210> 5466
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5466
Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln Leu Gly Pro Pro Ser
1   5   10   15

Pro Val Lys Met
            20

<210> 5467
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5467
Ser Thr Phe Gln Phe Leu Tyr Thr Tyr Ile Ala Lys Val Asp Gly Glu
1   5   10   15

Ile Ser Ala Ser
            20

<210> 5468
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5468
Gln Asn Ile Glu Thr Leu Gln Asn Ala Gly Val Met Ser Leu Leu Arg
1   5   10   15

Thr Leu Leu Leu
            20

<210> 5469
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5469
Phe Arg His Gly His Arg Gly Leu Leu Thr Met Gln Leu Lys Ser Pro
1   5   10   15

Met Pro Ser Ser
            20

<210> 5470

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5470
Lys Met Lys Ser Leu Glu Lys Ile Ser Tyr Val Tyr Met Lys Arg Lys
1   5   10   15

Tyr Glu Ala Met
            20

<210> 5471
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5471
Gly Glu Arg Val Asp Val Ser Lys Tyr Leu Ile Lys Lys Gly Leu Ala
1   5   10   15

Leu Arg Glu Arg
            20

<210> 5472
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5472
Lys Lys Phe Ala Phe Val His Ile Ser Phe Ala Gln Phe Glu Leu Ser
1   5   10   15

Gln Gly Asn Val
            20

<210> 5473
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5473
Pro Lys Pro Glu Glu Lys Arg Phe Leu Leu Glu Glu Pro Met Pro Phe
1   5   10   15

Phe Tyr Leu Lys
            20

<210> 5474
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5474
Arg Thr Leu Asn Asp Trp Phe Ser Ser Met Gly Ile Tyr Val Ile Thr
1   5   10   15

Gly Glu Gly Asn
            20

<210> 5475
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5475
Ile Pro Pro Glu Gln His Thr Met Val Ser Leu Pro Ser Val Gln His
1   5   10   15

Met Leu Gln Glu
            20

<210> 5476
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5476
Ser Arg Gln Asp Gln Ile His Ser Ser Ile Val Ser Thr Leu Leu Ala
1   5   10   15

Leu Met Asp Gly
            20

<210> 5477
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5477
Thr Ala Leu Asp Val His Phe Val Ser Thr Leu Glu Pro Leu Ser Asn
1   5   10   15

Ala Val Lys Arg
            20

<210> 5478
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5478
Trp Glu Gln Ser Leu Phe Ser Thr Thr Lys Pro Leu Phe Ser Ser Gly
1   5   10   15

Gln Phe Ser Met
            20

<210> 5479
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5479
Leu Lys Phe His Ser Arg Val Pro Arg Tyr Thr Leu Ser Phe Leu Asp
1   5   10   15

Gln Thr Lys His
            20

<210> 5480
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5480
Ala Gln Tyr Ser Trp Phe Val Asn Gly Thr Phe Gln Gln Ser Thr Gln
1   5   10   15

Glu Leu Phe Ile
            20

<210> 5481
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5481

Leu Thr Asp Lys Glu Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu
1   5   10   15

Glu Ala Glu Lys
            20

<210> 5482
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5482
Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr Thr Leu Ser Ser Lys Met
1   5   10   15

Tyr His Thr Lys
            20

<210> 5483
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5483
Pro Arg Lys Phe Pro Ser Asp Lys Ile Phe Glu Ala Ile Ser Ser Met
1   5   10   15

Phe Pro Asp Lys
            20

<210> 5484
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5484
Lys Glu Pro Ile Asn Val Gln Val Gly Phe Val Ser Thr Gly Phe His
1   5   10   15

Ser Met Lys Val
            20

<210> 5485
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5485
Glu Glu Leu Val Val Gln Val Asp Gly Gln Trp Leu Met Val Thr Gly
1   5   10   15

Gln Gln Gln Leu
            20

<210> 5486
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5486
Gln Gln Val Trp Lys Asn Pro Thr Phe Phe Leu Arg Val Ile Ser Asp
1   5   10   15

Thr Ala Ser Leu
            20

<210> 5487
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5487
Asp Ser Met Glu Lys Val Lys Val Tyr Leu Arg Val Arg Pro Leu Leu
1   5   10   15

Pro Ser Glu Leu
            20

<210> 5488
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5488
Glu Thr Ala Ser Asn Glu Val Val Tyr Arg Phe Thr Ala Arg Pro Leu
1   5   10   15

Val Gln Thr Ile
            20

<210> 5489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5489
Asp Leu Pro Gly Arg Phe Val Ala Glu Ser Ala Glu Val Leu Leu Pro
1   5   10   15

Arg Leu Val Ser
            20

<210> 5490
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5490
Glu Ser Asn Leu Leu Gln Ser Pro Ser Ser Ile Leu Ser Thr Leu Asp
1   5   10   15

Val Glu Leu Pro
            20

<210> 5491
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5491
Ile Arg Val Gln Pro Gln Asp Leu Ile Gln Trp Ala Ala Asp Tyr Phe
1   5   10   15

Glu Ala Leu Ser
            20

<210> 5492
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5492
Val Lys Glu Ala Ala Ala Trp Ala Leu Arg Tyr Ile Ala Arg His Asn
1   5   10   15

Ala Glu Leu Ser

20

<210> 5493
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5493
Met Gln Asp Gly Ser Glu Ser Phe Phe Phe Arg His Gly His Arg Gly
1 5 10 15

Leu Leu Thr Met
20

<210> 5494
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5494
Arg Leu Gln Arg Ile Phe Pro Lys Ile Met Pro Lys Lys Pro Ala Glu
1 5 10 15

Glu Gly Asn Asp
20

<210> 5495
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5495
Leu Asn Ala Ala Met Asn Ile Ala Arg Ala Leu Gln Leu Ser Pro Ser
1 5 10 15

Leu Arg Thr Tyr
20

<210> 5496
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5496
Leu Tyr Tyr Met Thr Tyr Gly Lys Thr Pro Phe Gln Gln Ile Ile Asn
1 5 10 15

Gln Ile Ser Lys
            20

<210> 5497
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5497
Leu Val Val Ala Leu Pro Arg Val Trp Thr Asp Ala Asn Leu Thr Ala
1   5   10   15

Arg Gln Arg Asp
            20

<210> 5498
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5498
Lys Leu Val Phe Arg Asn Gly Asp Ala Ile Glu Phe Ala Gln Leu Met
1   5   10   15

Val Lys Ala Ala
            20

<210> 5499
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5499
Glu Leu Ser Leu Ser Leu Pro Phe Pro Ile Gln Trp Glu Thr Val Ser
1   5   10   15

Ile Phe Thr Arg
            20

<210> 5500
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5500
Lys Lys Ser Gln Asn Tyr Asn Ile Phe Gln Leu Glu Asn Leu Tyr Ala
1   5   10   15

Val Ile Ser Gln
            20

<210> 5501
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5501
Phe Val Gln Asn Thr Leu Thr Lys Leu Leu Lys Asp Arg Arg Lys Met
1   5   10   15

Gln Thr Val Gln
            20

<210> 5502
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5502
Glu His Thr Thr Gly Gln Leu Thr Thr Met Asn Arg Gln Ile Ala Val
1   5   10   15

Lys Val Glu Lys
            20

<210> 5503
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5503
Ser Ile Glu Met Glu Ala Met Lys Thr Asn Ile Leu Leu Ile Gln Asp
1   5   10   15

Glu Lys Glu Met
            20

<210> 5504
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5504
Ala Tyr Ser Gly Arg Glu Ile Ile Tyr Pro Asn Ala Ser Leu Leu Ile
1   5   10   15

Gln Asn Ile Ile
            20

<210> 5505
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5505
Leu Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Thr Leu Leu Glu
1   5   10   15

Gln Leu Glu Glu
            20

<210> 5506
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5506
Leu Asn Ser Val Leu Asn Ser Asn Ala Ile Lys Asn Leu Pro Pro Pro
1   5   10   15

Leu Gly Gly Ala
            20

<210> 5507
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5507
Lys Thr Leu Asn Ala Val Ala Ser Val Pro Ile Met Tyr Ser Trp Ser
1   5   10   15

Pro Leu Gln Gln
            20

<210> 5508
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5508
Leu Ile Arg Lys Leu Tyr Ile Leu Met Gln Asp Leu Glu Pro Leu Pro
1   5   10   15

Asn Asn Val Val
            20

<210> 5509
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5509
Arg Val Ser Tyr Arg Met Ser Gln Lys Val His Arg Lys Met Leu Pro
1   5   10   15

Ser Asn Leu Ser
            20

<210> 5510
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5510
Arg Val Lys Ala Leu Phe Ser Val Leu Asn Tyr Glu Arg Ala Arg Arg
1   5   10   15

Pro Gly Leu Leu
            20

<210> 5511
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5511
Ser Thr Tyr Asp Glu Thr Leu His Val Ala Lys Phe Ser Ala Ile Ala
1   5   10   15

Ser Gln Leu Val
            20

<210> 5512
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5512
Ile Leu Arg Ala Lys Gly Arg Met His Gly Lys Phe Ser Leu Val Asp
1   5   10   15

Leu Ala Gly Asn
            20

<210> 5513
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5513
Leu Ala Phe Gln Asn Met Asn Gly Ser Glu Tyr Phe Val Lys Ile Gln
1   5   10   15

Ser Phe Leu Gly
            20

<210> 5514
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5514
Asp Ala Tyr Pro Glu Ile Glu Lys Phe Phe Pro Phe Asn Pro Leu Asp
1   5   10   15

Phe Glu Ser Phe
            20

<210> 5515
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5515
Gly Glu Ile Ser Ala Ser His Val Ser Arg Met Leu Asn Tyr Met Glu

1 5 10 15

Gln Glu Val Ile
20

<210> 5516
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5516
Ser Leu Ala Glu Gln Asn Arg Phe Tyr Lys Lys Ala Ala Ala Phe Val
1 5 10 15

Leu Arg Ala Val
20

<210> 5517
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5517
Ile Pro Pro Gly Phe Arg Asn Leu Val Ala Asp Arg Val Pro Asn Tyr
1 5 10 15

Thr Ser Trp Ser
20

<210> 5518
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5518
Lys His Ala Trp Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile
1 5 10 15

Tyr Glu Glu Ile
20

<210> 5519
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5519
Asn Pro Trp Glu Lys Leu Ser Ile His Leu Tyr Phe Asp Gly Met Ser
1   5   10   15

Leu Ser Tyr Phe
            20

<210> 5520
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5520
Asn Gln Thr Leu Asp Ser Tyr Arg Asn Glu Ile Ala Tyr Leu Asn Lys
1   5   10   15

Leu Gln Gln His
            20

<210> 5521
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5521
Lys Ala Ala Ser Ala Ala Ala Arg Gly Phe Pro Leu Arg Thr Leu Asn
1   5   10   15

Asp Trp Phe Ser
            20

<210> 5522
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5522
Gln Asp Val Val Thr Pro Asn Ser Val Arg Ser Gln Val Pro Ala Leu
1   5   10   15

Thr Thr Thr Tyr
            20

<210> 5523

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5523
Val Glu Lys Ala Leu Ala Ile Leu Ser Gln Pro Thr Pro Ser Leu Val
1   5   10   15

Val Asp His Glu
            20

<210> 5524
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5524
Ala Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val
1   5   10   15

Ser Trp Arg Leu
            20

<210> 5525
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5525
Pro Val Gln Asn Asp Leu Ala Tyr Ala Asn Asp Phe Ala Ser Glu Tyr
1   5   10   15

Tyr Leu Glu Ser
            20

<210> 5526
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5526
Asn Ser Asp Ile Leu Lys Asn Tyr Asn Asn Phe Tyr Arg Phe Leu Pro
1   5   10   15

Thr Ala Pro Pro
            20

<210> 5527
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5527
Thr Gln Asp Ala Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu Pro
1   5   10   15

Val Ser Pro Arg
            20

<210> 5528
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5528
Leu Glu Ser Leu Lys Gln Leu His Glu Phe Ala Ile Thr Glu Pro Leu
1   5   10   15

Val Thr Phe Gln
            20

<210> 5529
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5529
Ser Phe Gly Asn Asp His Ser Thr Leu Asp Gly Tyr Ser Arg Arg Thr
1   5   10   15

Thr Leu Ser Ser
            20

<210> 5530
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5530
Phe Arg Arg Ala Asp Glu Val Lys Ser Met Phe Ser Ser Asn Arg Gln
1   5   10   15

Lys Ile Leu Glu
            20

<210> 5531
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5531
Lys Glu Gly Val Asn Ser His Phe Leu Leu Phe Asp Lys Glu Pro Ile
1   5   10   15

Asn Val Gln Val
            20

<210> 5532
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5532
Glu Asp Asn Asp His Ala Arg Asp Gly Phe Gln Met Lys Leu Asp Ala
1   5   10   15

His Gly Phe Ala
            20

<210> 5533
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5533
Glu Ala Phe Thr Thr Ser Val Arg Ser Tyr Leu Pro Asn Thr Val Thr
1   5   10   15

Asp Ala Leu Arg
            20

<210> 5534
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5534

Phe Pro Ser Leu His Ser Phe Ile Lys Glu His Ser Leu Gln Val Ser
1   5   10   15

Pro Ser Leu Glu
            20

<210> 5535
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5535
Met Ala Met Asp Ser Ser Leu Gln Ala Arg Leu Phe Pro Gly Leu Ala
1   5   10   15

Ile Lys Ile Gln
            20

<210> 5536
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5536
Ala Thr Gln Met Asp Arg Val Asn Ala Ile Pro Phe Thr Tyr Glu Gln
1   5   10   15

Leu Asp Val Leu
            20

<210> 5537
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5537
Gln Ile Ala His Leu Pro Leu Ser Gly Val Pro Leu Met Ile Leu Asp
1   5   10   15

Glu Glu Arg Glu
            20

<210> 5538
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5538
Ile Arg Ala Glu Glu Leu Ala Gln Met Trp Lys Val Val Asn Leu Pro
1   5   10   15

Thr Asp Leu Phe
            20

<210> 5539
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5539
Asp Ile Leu Pro Gln Leu Val Tyr Ser Leu Ala Glu Gln Asn Arg Phe
1   5   10   15

Tyr Lys Lys Ala
            20

<210> 5540
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5540
Asp Tyr Arg Gln Glu Gln Pro Glu Thr Phe Trp Ile Gln Arg Ala Pro
1   5   10   15

Gln Leu Pro Val
            20

<210> 5541
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5541
Ile Ser Tyr Val Tyr Met Lys Arg Lys Tyr Glu Ala Met Thr Lys Leu
1   5   10   15

Gly Phe Lys Ala
            20

<210> 5542
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5542
Trp Glu Glu Glu Ala Lys Val Glu Phe Leu Lys Met Val Asn Asn Lys
1   5   10   15

Ala Val Ser Met
            20

<210> 5543
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5543
Pro Tyr Val Gln Ile Gln Thr His Pro Val Asn Gln Met Ala Lys Gly
1   5   10   15

Thr Thr Glu Glu
            20

<210> 5544
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5544
Asn Gly Asp Ala Ile Glu Phe Ala Gln Leu Met Val Lys Ala Ala Ser
1   5   10   15

Ala Ala Ala Arg
            20

<210> 5545
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5545
Glu Tyr Asn Lys Glu Gly Lys Tyr Tyr Ser Lys Gly Val Lys Leu Val
1   5   10   15

Arg Lys Lys Lys

20

<210> 5546
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5546
Gly Ser Ser Val Lys Glu Val Glu Thr Tyr His Arg Thr Arg Ala Leu
1 5 10 15

Arg Ser Leu Arg
20

<210> 5547
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5547
Glu Pro Glu Asp Gly Thr Ala Leu Asp Val His Phe Val Ser Thr Leu
1 5 10 15

Glu Pro Leu Ser
20

<210> 5548
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5548
Glu Trp Ser Asp Asp Gln Ala Val Phe Thr Phe Val Tyr Asp Thr Ile
1 5 10 15

Gln Leu Thr Ile
20

<210> 5549
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5549
Asn Pro Gln Phe Ser Ser Glu Lys Asn Leu Val Phe Gly Thr Arg Ile
1 5 10 15

Glu Lys Asp Leu
            20

<210> 5550
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5550
Asp Asp Pro Thr Ile Ser Pro Ser Tyr Thr Tyr Tyr Arg Pro Gly Val
1   5   10   15

Asn Leu Ser Leu
            20

<210> 5551
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5551
Gln Gln Trp Leu Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys Gly
1   5   10   15

Leu Leu Ala Lys
            20

<210> 5552
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5552
Gly Phe Ile Asn Asp Glu Ile Phe Val Glu Leu Val Asn Ala Leu Gly
1   5   10   15

Gln Tyr Asn Asp
            20

<210> 5553
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5553
Glu Lys Val Thr Glu Met Tyr Gln Phe Lys Phe Lys Tyr Thr Lys Glu
1   5   10   15

Gly Ala Thr Met
            20

<210> 5554
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5554
Glu Arg Asn Arg Val Ala Thr Met Pro Val Arg Leu Leu Arg Asp Ser
1   5   10   15

Pro Ala Ala Gln
            20

<210> 5555
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5555
Thr Leu Thr Asp Leu Gln Pro Tyr Met Arg Gln Phe Val Ala His Leu
1   5   10   15

Gln Glu Thr Ser
            20

<210> 5556
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5556
Ile Ala Glu Gln Tyr His Thr Val Leu Lys Leu Gln Gly Gln Val Ser
1   5   10   15

Ala Lys Lys Arg
            20

<210> 5557
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5557
Glu Val Tyr Val Thr Phe Phe Glu Ile Tyr Asn Gly Lys Leu Phe Asp
1   5   10   15

Leu Leu Asn Lys
            20

<210> 5558
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5558
Tyr Pro Glu Ser Val Ile Gln His Leu Gly Tyr Leu Phe Leu Lys Met
1   5   10   15

Ser Pro Glu Asp
            20

<210> 5559
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5559
Gly Leu Lys Leu Gly Ser Gly Pro Ser Ile Lys Ala Leu Asp Gly Arg
1   5   10   15

Ser Gln Val Ser
            20

<210> 5560
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5560
Leu His Ser Gln Val Ala Gly Arg Leu Ile Ile Arg Ala Glu Glu Leu
1   5   10   15

Ala Gln Met Trp
            20

<210> 5561
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5561
Ala His Ser Glu Asn Leu Ala Met Ala Val Ile Ile Ser Lys Gly Val
1   5   10   15

Pro Gln Leu Ser
            20

<210> 5562
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5562
Ser Ser Asp Asp Ser Pro Arg Ser Ala Leu Ala Ala Ala Thr Ala Ala
1   5   10   15

Ala Ala Ala Ala
            20

<210> 5563
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5563
Pro Glu Lys Ile Gln Lys Ser Phe Asp Asp Ile Ala Lys Tyr Phe Ser
1   5   10   15

Lys Lys Glu Trp
            20

<210> 5564
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5564
Val Val Glu Lys Gln Phe Asp Gln Leu Leu Ala Phe Phe Asp Ser Arg
1   5   10   15

Lys Lys Asn Leu
            20

<210> 5565
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5565
Trp Glu Arg Lys Ser Tyr Trp Lys Asn Met Leu Glu Ala Val His Thr
1   5   10   15

Ile His Gln His
            20

<210> 5566
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5566
Ser Asn Val Phe Ser Gly Arg Lys Thr Gly Thr Leu Phe Leu Thr Ser
1   5   10   15

Tyr Arg Val Ile
            20

<210> 5567
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5567
Lys Arg Thr Tyr Leu Ser Gln Lys Ser Leu Gln Ala His Ile Lys Arg
1   5   10   15

Arg His Lys Arg
            20

<210> 5568
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5568
Pro Ala Ser Pro Ala Arg Pro Arg Tyr Arg Leu Ser Ser Ala Gly Pro

1 5 10 15

Arg Ser Pro Tyr
20

<210> 5569
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5569
Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val Val Ser Trp Arg
1 5 10 15

Leu Glu Pro Glu
20

<210> 5570
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5570
Asn Gln Asp Ala Arg Ile Leu Ala Met Thr Pro Glu Ser Ile Tyr Ser
1 5 10 15

Asn Pro Ser Ile
20

<210> 5571
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5571
Leu Glu Ala Leu Val Lys Lys Leu Leu Pro Phe Arg Glu Thr Val Ser
1 5 10 15

Lys Phe His Val
20

<210> 5572
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5572
Ser Ala Ser Gly His Ser Arg Thr Thr Val Lys Thr Ile Thr Val Ser
1   5   10   15

Ala Glu Leu Pro
            20

<210> 5573
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5573
Glu Glu Lys Asp Val Leu Lys Gln Gln Leu Ser Ala Ala Thr Ser Arg
1   5   10   15

Ile Ala Glu Leu
            20

<210> 5574
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5574
Leu Gln Gln Asn Phe Met Val Glu Asp Glu Thr Val Leu His Asn Ile
1   5   10   15

Pro Tyr Met Gly
            20

<210> 5575
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5575
Gln Asp Leu Glu Pro Leu Pro Asn Asn Val Val Leu Thr Met Lys Leu
1   5   10   15

His Tyr Tyr Asn
            20

<210> 5576

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5576
Val Val Gln Val Asp Gly Gln Trp Leu Met Val Thr Gly Gln Gln Gln
1   5   10   15

Leu Asp Val Arg
            20

<210> 5577
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5577
Leu Gly Leu Asp Asp Ile His Arg Ala Trp Arg Thr Phe Val Leu Arg
1   5   10   15

Val Arg Ala Gln
            20

<210> 5578
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5578
Ile Leu Ile Lys Gln Asp Gln Thr Leu Ala Glu Leu Gln Asn Asn Met
1   5   10   15

Val Leu Val Lys
            20

<210> 5579
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5579
Phe Val Asn Lys Ala Glu Ser Ala Leu Ala Gln Gln Ala Lys His Phe
1   5   10   15

Ser Ala Leu Arg
            20

<210> 5580
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5580
Leu Ser Thr Glu Arg Val Arg Glu Leu Ala Val Ala Leu Ala Gln Lys
1   5   10   15

Asn Val Lys Leu
            20

<210> 5581
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5581
Asn Leu Leu Gln Ser Pro Ser Ser Ile Leu Ser Thr Leu Asp Val Glu
1   5   10   15

Leu Pro Pro Val
            20

<210> 5582
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5582
Asn Arg Ala Glu Leu Thr Pro Glu Leu Leu Lys Ile Leu His Ser Gln
1   5   10   15

Val Ala Gly Arg
            20

<210> 5583
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5583
Leu Gln Val Phe Glu Gln Tyr Gln Lys Ala Arg Thr Gln Phe Val Gln
1   5   10   15

Met Val Ala Glu
            20

<210> 5584
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5584
Pro Gln Lys Gln Pro Pro Trp Glu Phe Leu Gln Val Leu Glu Pro Gly
1   5   10   15

Ala Arg Gly Leu
            20

<210> 5585
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5585
Thr His Arg Leu Arg Glu Arg Lys Gln Leu Val Ile Tyr Glu Glu Ile
1   5   10   15

Ser Asp Pro Glu
            20

<210> 5586
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5586
Val Pro Lys Leu Ser Glu Phe Glu Leu Ile Lys Met Thr Asn Glu Ile
1   5   10   15

Gln Ser Asn Leu
            20

<210> 5587
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5587

Gly Gln Asn Glu Ser Phe Ala Arg Ile Gln Val Arg Phe Ala Glu Leu
1   5   10   15

Lys Ala Ile Gln
            20

<210> 5588
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5588
Gly Trp Glu Gly Gln Ala Thr Phe Lys Leu Val Phe Arg Asn Gly Asp
1   5   10   15

Ala Ile Glu Phe
            20

<210> 5589
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5589
Ser Leu Ser Leu Pro Phe Pro Ile Gln Trp Glu Thr Val Ser Ile Phe
1   5   10   15

Thr Arg Lys His
            20

<210> 5590
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5590
Arg Glu Asp Lys Val Ile Pro Val Thr Arg Ser Leu Arg Ala Arg Asn
1   5   10   15

Ile Val Gln Ser
            20

<210> 5591
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5591
Thr Pro Glu Asp Leu Met Leu Ser Gln Tyr Val Tyr Arg Pro Lys Ile
1   5   10   15

Gln Ile Tyr Arg
            20

<210> 5592
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5592
Phe His Ser Arg Val Pro Arg Tyr Thr Leu Ser Phe Leu Asp Gln Thr
1   5   10   15

Lys His Glu Met
            20

<210> 5593
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5593
Ile Ile Gln Asn Asp Thr Gly Phe Tyr Thr Leu His Val Ile Lys Ser
1   5   10   15

Asp Leu Val Asn
            20

<210> 5594
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5594
Val Glu Arg Gln Thr Ile Thr Gln Leu Ser Phe Glu Leu Ser Glu Phe
1   5   10   15

Arg Arg Lys Tyr
            20

<210> 5595
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5595
Trp Arg Lys Arg Val Lys Ser Glu Tyr Met Arg Leu Arg Gln Leu Lys
1   5   10   15

Arg Phe Arg Arg
            20

<210> 5596
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5596
Asp Tyr Gln Pro Leu Gly Phe Lys Glu Gly Val Asn Ser His Phe Leu
1   5   10   15

Leu Phe Asp Lys
            20

<210> 5597
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5597
Gln Gln Gln Leu Asp Val Arg Asp Pro Glu Arg Val Ser Tyr Arg Met
1   5   10   15

Ser Gln Lys Val
            20

<210> 5598
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5598
Asp Tyr Ser Ser Tyr Ala Arg Thr Ser Ile Arg Ala Ser Leu Thr Phe
1   5   10   15

Asn Arg Gly Phe

20

<210> 5599
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5599
Ser Pro Tyr Ala Arg Ile Leu Arg Ser Arg Arg Ser Pro Leu Leu Lys
1 5 10 15

Ser Gly Pro Phe
20

<210> 5600
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5600
Pro Lys Glu Ser Leu Arg Ser Arg Ser Thr Arg Met Ser Thr Val Ser
1 5 10 15

Glu Leu Arg Ile
20

<210> 5601
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5601
Asp Arg Val Asn Ala Ile Pro Phe Thr Tyr Glu Gln Leu Asp Val Leu
1 5 10 15

Lys His Lys Leu
20

<210> 5602
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5602
Pro Ala Leu Pro Lys Ala Thr Arg Lys Ala Leu Gly Thr Val Asn Arg
1 5 10 15

Ala Thr Glu Lys
            20

<210> 5603
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5603
Ser Val Met Asn Val Gly Arg Phe Thr Glu Glu Ile Glu Trp Leu Lys
1   5   10   15

Phe Leu Ala Leu
            20

<210> 5604
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5604
Pro Thr Ile Gln Gln Thr Ala Ala Leu Ala Leu Gly Arg Leu Ala Asn
1   5   10   15

Tyr Asn Asp Asp
            20

<210> 5605
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5605
Gly Ser Glu Ser Phe Phe Phe Arg His Gly His Arg Gly Leu Leu Thr
1   5   10   15

Met Gln Leu Lys
            20

<210> 5606
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5606
Ser Gly Pro Lys Arg Gly Lys His Ala Trp Thr His Arg Leu Arg Glu
1   5   10   15

Arg Lys Gln Leu
            20

<210> 5607
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5607
Lys Ile Val Ala Ile Lys Glu Phe Asn Pro Leu Ser Ile Leu Val Gln
1   5   10   15

Phe Val Asp Tyr
            20

<210> 5608
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5608
Leu Ser Asp Ala Leu Leu Asn Lys Leu Ile Gly Arg Tyr Ser Gln Ala
1   5   10   15

Ile Glu Ala Leu
            20

<210> 5609
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5609
Ala Leu Ile Pro Asn Gly Glu Ser Leu Leu Lys Arg Ser Pro Asn Val
1   5   10   15

Glu Leu Ser Phe
            20

<210> 5610
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5610
Asp Ile Gln Ala Pro Pro Pro Glu Leu Ser Leu Ser Leu Pro Phe Pro
1   5   10   15

Ile Gln Trp Glu
            20

<210> 5611
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5611
Lys Arg Tyr Tyr Leu Arg Gln Arg Lys Ala Thr Val Tyr Tyr Gln Ala
1   5   10   15

Pro Leu Glu Lys
            20

<210> 5612
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5612
Pro His Val Ser Lys Glu Arg Ile Gln Gln Ser Leu Ser Asn Pro Leu
1   5   10   15

Ser Ile Ser Leu
            20

<210> 5613
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5613
Leu Lys Glu Phe Lys Lys Ile Ile Ser Lys Tyr Asn Val Leu Gln Gly
1   5   10   15

Gln Asn Lys Thr
            20

<210> 5614
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5614
Pro Arg Leu Gln Leu Ser Asn Asp Asn Arg Thr Leu Thr Leu Leu Ser
1   5   10   15

Val Thr Arg Asn
            20

<210> 5615
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5615
His Gln Leu His Val Ile Leu Lys Glu Leu Arg Lys Ala Arg Asn Gln
1   5   10   15

Ile Thr Gln Leu
            20

<210> 5616
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5616
Gly Pro Asn Ala Lys Ser Val Gln Arg Glu Gln Ser Leu His Ser Phe
1   5   10   15

His Thr Leu Phe
            20

<210> 5617
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5617
Ser Thr Gly Phe His Ser Met Lys Val Lys Val Met Thr Glu Ala Thr
1   5   10   15

Lys Val Ile Asp
            20

<210> 5618
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5618
Tyr Arg Met Ser Gln Lys Val His Arg Lys Met Leu Pro Ser Asn Leu
1   5   10   15

Ser Pro Thr Ala
            20

<210> 5619
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5619
Arg Leu Pro Arg Leu Pro Gln Arg Tyr Trp Gln Met Arg Pro Leu Phe
1   5   10   15

Leu Glu Leu Leu
            20

<210> 5620
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5620
Asp Gly Gly Ile Leu Pro Arg Ser Leu Ala Leu Ile Phe Asn Ser Leu
1   5   10   15

Gln Gly Gln Leu
            20

<210> 5621
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5621
Asp Ser Ser Phe Pro Asn Trp Glu Phe Ala Arg Met Ile Lys Glu Phe

1 5 10 15

Arg Ala Thr Leu
20

<210> 5622
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5622
Leu Leu Ala Thr Gln Met Asp Arg Val Asn Ala Ile Pro Phe Thr Tyr
1 5 10 15

Glu Gln Leu Asp
20

<210> 5623
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5623
Lys Met Thr Glu Lys Thr Val Lys Ala Lys Ser Ser Val Pro Ala Ser
1 5 10 15

Asp Asp Ala Tyr
20

<210> 5624
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5624
Lys Met Leu Lys Glu Phe Ala Lys Ala Ala Ile Arg Val Gln Pro Gln
1 5 10 15

Asp Leu Ile Gln
20

<210> 5625
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5625
Ile Gln Glu Pro Glu Ile Ala Leu Lys Arg Ile Ala Ala Ser Ala Leu
1   5   10   15

Ser Asp Ile Ala
            20

<210> 5626
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5626
Arg Lys Leu Phe Glu Val Glu Ser Val Thr His His Asp Tyr Arg Met
1   5   10   15

Glu Leu Ala Gln
            20

<210> 5627
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5627
Met Asn Gly Asp Asp Ala Phe Ala Arg Arg Pro Arg Ala Gly Ala Gln
1   5   10   15

Ile Pro Glu Lys
            20

<210> 5628
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5628
Arg Arg Gly Gln Ile Ile Arg Met Val Thr Asp Thr Leu Val Glu Val
1   5   10   15

Leu Leu Tyr Asp
            20

<210> 5629

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5629
Lys Ile Ile Arg Leu Tyr Asp Tyr Glu Ile Thr Asp Gln Tyr Ile Tyr
1   5   10   15

Met Val Met Glu
            20

<210> 5630
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5630
His Thr Glu Asn Arg Arg Gly Ala Leu Ile Pro Asn Gly Glu Ser Leu
1   5   10   15

Leu Lys Arg Ser
            20

<210> 5631
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5631
Thr Thr Tyr Asp Pro Ser Ser Gly Tyr Ile Ile Val Lys Val Pro Pro
1   5   10   15

Asp Met Asn Ser
            20

<210> 5632
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5632
Ser Ser Ser Lys Tyr Ala Pro Ser Tyr Tyr His Val Met Pro Lys Gln
1   5   10   15

Asn Ser Thr Leu
            20

<210> 5633
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5633
Gln Leu Asn Asn Arg Asp Arg Arg Asn Val Asp Phe Thr Ser Ser His
1   5   10   15

Ala Thr Ala Val
            20

<210> 5634
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5634
Met Ser Gln Ala Asp Thr Val Ile Leu Asp Lys Ser Lys Ile Thr Val
1   5   10   15

Pro Phe Leu Lys
            20

<210> 5635
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5635
Gln Gln His Thr Gln Val Leu Phe Ile Ala Lys Ile Thr Pro Asn Asn
1   5   10   15

Asn Gly Thr Tyr
            20

<210> 5636
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5636
Val Tyr Asp Gln Gln Arg Glu Val Tyr Val Lys Gly Leu Leu Ala Lys
1   5   10   15

Ile Phe Glu Leu
            20

<210> 5637
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5637
Tyr Gln His Leu Glu Gly Ala Lys Glu Phe Ala Ala Ala Leu Thr Ala
1   5   10   15

Glu Arg Ile Lys
            20

<210> 5638
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5638
Ile Lys Lys Ala Ser Val Leu Leu Ile Arg Lys Leu Tyr Ile Leu Met
1   5   10   15

Gln Asp Leu Glu
            20

<210> 5639
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5639
Arg Ser Leu Leu Arg Ser His Tyr Arg Glu Val Leu Pro Leu Ala Thr
1   5   10   15

Phe Val Arg Arg
            20

<210> 5640
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5640

Leu Asn Gln Asn Ser Ser Arg Ser His Ser Ile Phe Ser Ile Arg Ile
1   5   10   15

Leu His Leu Gln
            20

<210> 5641
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5641
Ala Lys His Phe Ser Ala Leu Arg Asp Val Ile Lys Ala Leu Arg Leu
1   5   10   15

Ala Met Gln Leu
            20

<210> 5642
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5642
Arg Gln Leu Asp Val Leu Tyr Pro Lys Ala Arg Leu Ala Phe Gln Asn
1   5   10   15

Met Asn Gly Ser
            20

<210> 5643
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5643
Ser Gln Val Ser Thr Pro Arg Phe Gly Lys Thr Phe Asp Ala Pro Pro
1   5   10   15

Ala Leu Pro Lys
            20

<210> 5644
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5644
Pro Glu Leu Leu Lys Ile Leu His Ser Gln Val Ala Gly Arg Leu Ile
1   5   10   15

Ile Arg Ala Glu
            20

<210> 5645
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5645
Leu Lys Asp Lys Asp Glu Tyr Val Lys Lys Asn Ala Ser Thr Leu Ile
1   5   10   15

Arg Glu Ile Ala
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<210> 5646
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5646
Phe Glu Val Glu Ser Val Thr His His Asp Tyr Arg Met Glu Leu Ala
1   5   10   15

Gln Ala Gly Thr
            20

<210> 5647
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5647
Asp Ile Ala Lys Tyr Phe Ser Lys Lys Glu Trp Glu Lys Met Lys Ser
1   5   10   15

Leu Glu Lys Ile
            20

<210> 5648
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5648
Arg Ser His Phe Glu Lys Asn Thr Thr Leu His Tyr His Pro Pro Ile
1   5   10   15

Leu Pro Lys Glu
            20

<210> 5649
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5649
Ile Gly Ser Gly Gly Ser Ser Lys Val Phe Gln Val Leu Asn Glu Lys
1   5   10   15

Lys Gln Ile Tyr
            20

<210> 5650
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5650
Gly Gly Trp Glu Gly Gln Ala Thr Phe Lys Leu Val Phe Arg Asn Gly
1   5   10   15

Asp Ala Ile Glu
            20

<210> 5651
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5651
Ser Ala Ser Glu Phe Ala Ser His His Tyr Asn Leu Asn Ile Leu Pro
1   5   10   15

Gln Phe Thr Glu

20

<210> 5652
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5652
Gln Glu Glu Asp Thr Phe Arg Glu Leu Arg Ile Phe Leu Arg Asn Val
1 5 10 15

Thr His Arg Leu
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<210> 5653
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5653
Arg Pro Met Asp Lys Thr Val Val Phe Val Asp Asn His Val Glu Leu
1 5 10 15

Glu Met Thr Glu
20

<210> 5654
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5654
Leu Gln Asn Val Ser Met Val Gln Ser Glu Ile Ser Glu Ile Leu Asn
1 5 10 15

Lys Ser Ile Ile
20

<210> 5655
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5655
Pro Pro Ala Gln Tyr Ser Trp Leu Ile Asp Gly Asn Ile Gln Gln His
1 5 10 15

Thr Gln Glu Leu
            20

<210> 5656
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5656
Glu Val His Asn Leu Asn Gln Leu Leu Tyr Ser Gln Arg Arg Ala Asp
1   5   10   15

Val Gln His Leu
            20

<210> 5657
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5657
Glu Trp Lys Gln Arg Arg Ile Gln Pro Val His Ile Leu Thr Ser Val
1   5   10   15

Ser Ser Leu Arg
            20

<210> 5658
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5658
Lys Arg Tyr Leu Arg Met Ala Val Leu Thr Leu Tyr Thr Asp Pro Met
1   5   10   15

Gly Ser Glu Lys
            20

<210> 5659
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5659
Gly Leu Leu Leu Asp Thr Arg Thr Leu Glu Val Gln Ser Asp Tyr Ser
1   5   10   15

Ser Tyr Ala Arg
            20

<210> 5660
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5660
Thr Val Lys Glu Met Val Lys Asp Val Leu Lys Gly Gln Asn Trp Leu
1   5   10   15

Ile Tyr Thr Tyr
            20

<210> 5661
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5661
Glu Glu Leu Ser Ser Gln Met Ser Ser Phe Asn Glu Ala Met Thr Gln
1   5   10   15

Ile Arg Glu Leu
            20

<210> 5662
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5662
Gln Gly Gly Ile Pro Asn Gly Tyr Leu Val Leu Asp Leu Ser Met Gln
1   5   10   15

Glu Ala Leu Ser
            20

<210> 5663
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5663
Ala His Leu Pro Leu Ser Gly Val Pro Leu Met Ile Leu Asp Glu Glu
1   5   10   15

Arg Glu Leu Glu
            20

<210> 5664
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5664
Gly Pro Asp Gly Ile Ile Thr Val Asn Asp Phe Thr Gln Asn Pro Arg
1   5   10   15

Val Gln Leu Glu
            20

<210> 5665
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5665
Leu Pro His Asp Ser Lys Ala Arg Arg Leu Phe Val Thr Ser Gly Gly
1   5   10   15

Leu Lys Lys Val
            20

<210> 5666
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5666
Ser Tyr Gln Pro Pro Gly Asn Val Tyr Trp Pro Leu Arg Gly Lys Arg
1   5   10   15

Glu Ala Met Leu
            20

<210> 5667
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5667
Ser Ser Asp Met Pro Val Ser Leu Arg Asp Ala Leu Val Phe Met Glu
1   5   10   15

Leu Ala Lys Phe
            20

<210> 5668
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5668
Lys Ala Val Glu Arg Gly Ala Val Pro Leu Glu Met Leu Glu Ile Ala
1   5   10   15

Leu Arg Asn Leu
            20

<210> 5669
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5669
Trp Glu Gly Gln Ala Thr Phe Lys Leu Val Phe Arg Asn Gly Asp Ala
1   5   10   15

Ile Glu Phe Ala
            20

<210> 5670
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5670
Pro Gln Phe Thr Gln Thr Asp Ala Met Asp His Arg Arg Trp Pro Ala
1   5   10   15

Trp Lys Arg Leu
20

<210> 5671
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5671
Ala Val Leu Gln Lys Met Asp Asp Met Lys Lys Met Arg Arg Gln Arg
1 5 10 15

Met Arg Glu Leu
20

<210> 5672
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5672
Glu Lys Ser Thr Lys Ile Asp Thr Thr Ser Phe Leu Ala Asn Leu Lys
1 5 10 15

Leu His Thr Glu
20

<210> 5673
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5673
Leu Lys Asn Tyr Asn Asn Phe Tyr Arg Phe Leu Pro Thr Ala Pro Pro
1 5 10 15

Asn Val Met Ser
20

<210> 5674
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5674
Asn Gly Asn Arg Thr Leu Thr Leu Phe Asn Val Thr Arg Asn Asp Thr

1 5 10 15

Ala Ser Tyr Lys
20

<210> 5675
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5675
Phe Asn Ser Ser Ile Asn Asn Ile His Glu Met Glu Ile Gln Leu Lys
1 5 10 15

Asp Ala Leu Glu
20

<210> 5676
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5676
Asn Gly Asp His Arg Ile Gly Ile Phe Ala Lys Arg Ala Ile Gln Thr
1 5 10 15

Gly Glu Glu Leu
20

<210> 5677
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5677
Ile Thr Asn Glu His Glu Ser Leu Lys Met Val Lys Lys Leu Phe Ala
1 5 10 15

Thr Ser Ile Ser
20

<210> 5678
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5678
Asp Lys Glu Gln Leu Arg Pro Ser Phe Leu Leu Ser Ser Leu Arg Pro
1   5   10   15

Ser Leu Thr Gly
            20

<210> 5679
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5679
Ser Glu Leu Ala Leu Arg Arg Ser Gln Arg Leu Ala Ala Ser Ala Ser
1   5   10   15

Thr Gln Gln Leu
            20

<210> 5680
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5680
Ile Thr Ala Gln Glu Asn Asp Met Glu Val Glu Leu Pro Ala Ala Ala
1   5   10   15

Asn Ser Arg Lys
            20

<210> 5681
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5681
Glu Asp Leu Asp Ala Leu Pro Leu Asp Leu Leu Leu Phe Leu Asn Pro
1   5   10   15

Asp Ala Phe Ser
            20

<210> 5682

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5682
Ser Gln Val Ala Gly Arg Leu Ile Ile Arg Ala Glu Glu Leu Ala Gln
1   5   10   15

Met Trp Lys Val
            20

<210> 5683
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5683
Tyr Pro Glu Glu Ile Val Arg Tyr Tyr Ser Pro Gly Tyr Ser Asp Thr
1   5   10   15

Leu Leu Gln Arg
            20

<210> 5684
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5684
Glu Ser Thr Glu Gly Ser Arg Ser Arg Ser Arg Ser Leu Asp Ile Gln
1   5   10   15

Pro Ser Ser Glu
            20

<210> 5685
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5685
Lys Ser Leu Pro Asn Glu Asn Phe Gln Ser Leu Tyr Asn Lys Glu Leu
1   5   10   15

Pro Val His Ile
            20

<210> 5686
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5686
Phe Gln Gln Gln Gln His Gln Ile Leu Ala Thr Pro Leu Gln Asn Leu
1   5   10   15

Gln Val Leu Ala
            20

<210> 5687
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5687
Ala Ser Ala Ala Ala Arg Gly Phe Pro Leu Arg Thr Leu Asn Asp Trp
1   5   10   15

Phe Ser Ser Met
            20

<210> 5688
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5688
Arg Thr Tyr Leu Ser Gln Lys Ser Leu Gln Ala His Ile Lys Arg Arg
1   5   10   15

His Lys Arg Ala
            20

<210> 5689
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5689
Lys Trp Val Gly Glu Ser Glu Arg Gln Leu Arg Leu Leu Phe Asp Gln
1   5   10   15

Ala Tyr Gln Met
            20

<210> 5690
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5690
Lys Val Phe Thr His Gln Gly Lys Val Ala Leu Tyr Gly Lys Leu Val
1   5   10   15

Gln Ser Ala Gln
            20

<210> 5691
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5691
Lys Gln His Arg Glu Glu Asp Glu Val Asp Ser Val Leu Leu Ser Ala
1   5   10   15

Ser Lys Ile Leu
            20

<210> 5692
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5692
Ala Thr Tyr Leu Trp Trp Val Asn Asn Gln Ser Leu Pro Val Ser Pro
1   5   10   15

Arg Leu Gln Leu
            20

<210> 5693
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5693

Leu Leu Lys Gln Gln Glu Glu Gln Thr Arg Val Ala Leu Leu Glu Gln
1   5   10   15

Gln Met Gln Ala
            20

<210> 5694
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5694
Ser Asp Leu Asp Phe Pro Thr Gln Val Ile Pro Leu Lys Thr Leu Asn
1   5   10   15

Ala Val Ala Ser
            20

<210> 5695
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5695
Ser Tyr Gly Glu Arg His Leu Asp Asp Leu Ser Leu Lys Ile Leu Arg
1   5   10   15

Glu Asp Lys Lys
            20

<210> 5696
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5696
Leu Arg Asp Ala Val Val Ile Glu Gln Ser Ser Ser Leu Asn Glu Ala
1   5   10   15

Ser Ser Gly Leu
            20

<210> 5697
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5697
Pro Pro Met Gln Leu Gly Phe Pro Ser Leu His Ser Phe Ile Lys Glu
1   5   10   15

His Ser Leu Gln
            20

<210> 5698
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5698
Ser Leu Gln Ala Arg Leu Phe Pro Gly Leu Ala Ile Lys Ile Gln Arg
1   5   10   15

Ser Asn Gly Leu
            20

<210> 5699
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5699
Thr Arg Phe Phe Ser Arg Ile Thr Lys Ala Asn Val Asp Leu Leu Pro
1   5   10   15

Arg Gly Ala Pro
            20

<210> 5700
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5700
Met Trp Lys Val Val Asn Leu Pro Thr Asp Leu Phe Asn Ser Val Met
1   5   10   15

Asn Val Gly Arg
            20

<210> 5701
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5701
Ala Val Thr Asn Thr Leu Pro Val Leu Leu Ser Leu Tyr Met Ser Thr
1   5   10   15

Glu Ser Ser Glu
            20

<210> 5702
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5702
Tyr Trp Pro Leu Arg Gly Lys Arg Glu Ala Met Leu Glu Met Leu Leu
1   5   10   15

Gln His Gln Ile
            20

<210> 5703
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5703
Lys Phe Glu Asp Gly Ile Trp Tyr Arg Ala Lys Val Ile Gly Leu Pro
1   5   10   15

Gly His Gln Glu
            20

<210> 5704
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5704
Glu Asp Leu Ser Gly Arg Glu Leu Thr Ile Asp Ser Ile Met Asn Lys
1   5   10   15

Val Arg Asp Ile

20

<210> 5705
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5705
Asn Glu Gly Pro Pro Ala Gly Tyr Arg Ala Ser Pro Ala Gly Ser Gly
1 5 10 15

Ala Arg Pro Gln
20

<210> 5706
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5706
Arg Asp His Leu Ser Tyr Ile Pro Pro Glu Gln His Thr Met Val Ser
1 5 10 15

Leu Pro Ser Val
20

<210> 5707
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5707
Val Leu Arg Met Thr Arg Ala Arg Arg Ser Gln Val Glu Gln Gln Gln
1 5 10 15

Leu Ile Thr Val
20

<210> 5708
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5708
Thr Ile Arg Glu Phe Phe Ile Leu Leu Gln Val His Ile Leu Ile Gln
1 5 10 15

Lys Pro Arg Gln
            20

<210> 5709
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5709
Ala Lys Ile Gln Tyr Leu Gln Asn Tyr Leu Lys Glu Ser Val Gln Ile
1   5   10   15

Gln Lys Lys Val
            20

<210> 5710
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5710
Thr Pro Ile Ile Ser Pro Pro Asp Ser Ser Tyr Leu Ser Gly Ala Asn
1   5   10   15

Leu Asn Leu Ser
            20

<210> 5711
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5711
Lys Leu Asp Arg Gln His Val Gln His Gln Leu His Val Ile Leu Lys
1   5   10   15

Glu Leu Arg Lys
            20

<210> 5712
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5712
Lys Val Met Met Val Asn Gly Asp His Arg Ile Gly Ile Phe Ala Lys
1   5   10   15

Arg Ala Ile Gln
            20

<210> 5713
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5713
Gly Phe His Ser Met Lys Val Lys Val Met Thr Glu Ala Thr Lys Val
1   5   10   15

Ile Asp Leu Glu
            20

<210> 5714
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5714
Asp Thr Asp Pro Arg Arg Leu Val Gln Leu Leu Arg Gln His Ser Ser
1   5   10   15

Pro Trp Gln Val
            20

<210> 5715
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5715
Val Gly Gln Ala Ser Phe Phe Asn Leu Thr Val Lys Glu Met Val Lys
1   5   10   15

Asp Val Leu Lys
            20

<210> 5716
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5716
Phe Gln Ile Ile Leu Arg Ala Lys Gly Arg Met His Gly Lys Phe Ser
1   5   10   15

Leu Val Asp Leu
            20

<210> 5717
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5717
Asp Val Leu Tyr Pro Lys Ala Arg Leu Ala Phe Gln Asn Met Asn Gly
1   5   10   15

Ser Glu Tyr Phe
            20

<210> 5718
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5718
Glu Asp Phe Asp Pro Gly Val Lys Glu Ala Ala Ala Trp Ala Leu Arg
1   5   10   15

Tyr Ile Ala Arg
            20

<210> 5719
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5719
Ala Thr Ala Val Asn Thr Arg Gln Arg Tyr Tyr Pro Met Ala Gly Tyr
1   5   10   15

Ile Lys Glu Asp
            20

<210> 5720
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5720
Val Ser Asp Glu Lys Ser Ser Glu Leu Ile Ile Thr Asp Ser Ile Thr
1   5   10   15

Leu Lys Asn Lys
            20

<210> 5721
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5721
Pro Gln Arg Ser Glu Gly Ser Asn Val Phe Ser Gly Arg Lys Thr Gly
1   5   10   15

Thr Leu Phe Leu
            20

<210> 5722
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5722
Ile Lys Arg Arg His Lys Arg Ala Arg Lys Gln Val Thr Ser Ala Ser
1   5   10   15

Leu Glu Lys Val
            20

<210> 5723
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5723
Ala Ser Leu Ala Asp Val Asp Pro Met Gln Leu Asp Ser Ser Val Arg
1   5   10   15

Phe Asp Ser Val
            20

<210> 5724
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5724
Glu Ile Thr Gly Met Asn Thr Leu Leu Ser Ala Pro Ile His Thr Gln
1   5   10   15

Met Gln Gln Lys
            20

<210> 5725
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5725
Lys Asp Lys Glu Arg Gln Pro Phe Leu Val Lys Gln Gly Ser Ile Ile
1   5   10   15

Ser Glu Asn Glu
            20

<210> 5726
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5726
Glu Arg Val Asp Gly Asn Arg Gln Ile Ile Gly Tyr Val Ile Gly Thr
1   5   10   15

Gln Gln Ala Thr
            20

<210> 5727
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5727
Glu Lys Val Ala Ala Ser Pro Lys Ser Pro Thr Ala Ala Leu Asn Glu

1 5 10 15

Ser Leu Val Glu
20

<210> 5728
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5728
Glu Trp Ser Gly Ala Glu Ala Ser Met Phe Arg Val Leu Ile Gly Thr
1 5 10 15

Tyr Tyr Asp Asn
20

<210> 5729
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5729
Val Lys Val Met Thr Glu Ala Thr Lys Val Ile Asp Leu Glu Asn Asn
1 5 10 15

Leu Phe Arg Glu
20

<210> 5730
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5730
Glu His Arg Leu Arg Glu Glu Ile Leu Ala Lys Phe Leu His Trp Leu
1 5 10 15

Met Ser Val Tyr
20

<210> 5731
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5731
Glu Arg Gly Ile Gly Gln Ala Thr His Arg Phe Thr Phe Ser Gln Ile
1   5   10   15

Phe Gly Pro Glu
            20

<210> 5732
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5732
Glu Tyr Thr Leu Asn Thr Leu Arg Tyr Ala Asp Arg Val Lys Glu Leu
1   5   10   15

Ser Pro His Ser
            20

<210> 5733
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5733
Glu Asp Ile Arg Lys Trp Asn Val Thr Ser Leu Glu Thr Leu Lys Ala
1   5   10   15

Leu Leu Glu Val
            20

<210> 5734
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5734
Ala Trp Ala Leu Arg Tyr Ile Ala Arg His Asn Ala Glu Leu Ser Gln
1   5   10   15

Ala Val Val Asp
            20

<210> 5735

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5735
Leu Glu Arg Ser Ala Ser Thr Asp Lys Thr Leu Leu Asn Ser Ser Ala
1   5   10   15

Val Met Leu Asp
            20

<210> 5736
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5736
Glu Leu Arg Asn Leu Lys Ser Val Gln Asn Ser His Phe Lys Glu Pro
1   5   10   15

Leu Val Ser Asp
            20

<210> 5737
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5737
Glu Ser Thr Ala Ala Gln Ala Pro Glu Asn Glu Ala Ser Leu Pro Ser
1   5   10   15

Ala Ser Ser Ser
            20

<210> 5738
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5738
Pro Ile Gln Trp Glu Thr Val Ser Ile Phe Thr Arg Lys His Gly Asn
1   5   10   15

Leu Thr Val Asp
            20

<210> 5739
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5739
Tyr Gln Met Arg Pro Ser Ile Ile Phe Phe Asp Glu Ile Asp Gly Leu
1   5   10   15

Ala Pro Val Arg
            20

<210> 5740
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5740
Lys Asn Asp Met Asp Ile Thr Lys Ser Tyr Thr Ile Glu Ile Asn His
1   5   10   15

Arg Pro Leu Leu
            20

<210> 5741
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5741
Arg Pro Leu Ala Ser Asp Leu Lys Gly Tyr Phe Lys Val Lys Asp Arg
1   5   10   15

Thr Leu Lys His
            20

<210> 5742
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5742
Gly Ile Gln Asn Glu Leu Ser Val Asp His Ser Asp Pro Val Ile Leu
1   5   10   15

Asn Val Leu Tyr
            20

<210> 5743
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5743
Lys Ser Glu Thr Thr Leu Glu Lys Leu Lys Gly Glu Ile Ala His Leu
1   5   10   15

Lys Thr Ser Val
            20

<210> 5744
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5744
Val Glu Asp Glu Thr Val Leu His Asn Ile Pro Tyr Met Gly Asp Glu
1   5   10   15

Val Leu Asp Gln
            20

<210> 5745
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5745
Ile Thr Tyr Leu Arg Gly Leu Phe Pro Glu Ser Ser Tyr Gly Glu Arg
1   5   10   15

His Leu Asp Asp
            20

<210> 5746
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5746

Arg Glu Lys Arg Ala Glu Arg Leu Thr Ser Arg Val Lys Ala Leu Phe
1   5   10   15

Ser Val Leu Asn
            20

<210> 5747
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5747
Lys Leu Asn Ile Leu Lys Glu Ser Leu Thr Ser Phe Tyr Gln Glu Glu
1   5   10   15

Ile Gln Glu Arg
            20

<210> 5748
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5748
Glu Ser Ala Leu Ala Gln Gln Ala Lys His Phe Ser Ala Leu Arg Asp
1   5   10   15

Val Ile Lys Ala
            20

<210> 5749
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5749
Glu Asp Leu Lys Ala Leu Ser Gln Gln Asn Val Ser Met Asp Leu Ala
1   5   10   15

Thr Phe Met Lys
            20

<210> 5750
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5750
Pro Pro Asn Ile Leu Lys His Val Val Gly Gln Phe Ser Lys Val Leu
1   5   10   15

Pro His Asp Ser
            20

<210> 5751
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5751
Lys Leu Ala Tyr Ile Glu Pro Tyr Lys Arg Thr Met Gln Trp Ser Lys
1   5   10   15

Glu Ala Lys Glu
            20

<210> 5752
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5752
Ser Gly Thr Val Asn Gln Ile Met Met Met Ala Asn Asn Pro Glu Asp
1   5   10   15

Trp Leu Ser Leu
            20

<210> 5753
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5753
Lys Glu Glu Arg Thr Lys Phe Phe Glu Asp Leu Ile Leu Lys Gln Ala
1   5   10   15

Ala Lys Pro Pro
            20

<210> 5754
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5754
Gln Ala Pro Pro Ser Ser Leu Leu Val His Lys Leu Ile Phe Gln Tyr
1   5   10   15

Val Glu Glu Lys
            20

<210> 5755
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5755
Asn Leu Lys Ser Lys Met Lys Pro Leu Ile Phe Thr Thr Gln Ser Leu
1   5   10   15

Ile Gln Lys Val
            20

<210> 5756
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5756
Phe Val Ser Asn Leu Ala Thr Gly Arg Asn Asn Ser Ile Val Lys Ser
1   5   10   15

Ile Thr Val Ser
            20

<210> 5757
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5757
Arg Asp Gln Leu Lys Ala Arg Tyr Ser Thr Thr Thr Leu Leu Glu Gln
1   5   10   15

Leu Glu Glu Thr

20

<210> 5758
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5758
Ser Phe Leu Phe Asn Leu Asn Asn Asp Phe Val Val Asp Ala Thr Arg
1 5 10 15

Lys Gly Asn Lys
20

<210> 5759
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5759
Val Thr Glu Met Tyr Gln Phe Lys Phe Lys Tyr Thr Lys Glu Gly Ala
1 5 10 15

Thr Met Asp Phe
20

<210> 5760
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5760
Phe Gln Lys Asn Arg Leu Phe Phe Tyr Arg Lys Ser Val Trp Ser Lys
1 5 10 15

Leu Gln Ser Ile
20

<210> 5761
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5761
Lys Gln Ile Arg Gln Glu Glu Met Lys Lys Leu Ser Leu Leu Asn Gly
1 5 10 15

Gly Leu Gln Glu
            20

<210> 5762
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5762
Arg Ala Lys Gly Arg Met His Gly Lys Phe Ser Leu Val Asp Leu Ala
1   5   10   15

Gly Asn Glu Arg
            20

<210> 5763
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5763
Thr Val Ala Glu Val Gln Lys Leu Leu Gly Pro His Val Glu Gly Leu
1   5   10   15

Lys Ala Glu Glu
            20

<210> 5764
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5764
Leu Asn Pro Asp Ala Lys Leu Lys His Gln Ile Leu Ser Ala Leu Ser
1   5   10   15

Gln Val Ser Lys
            20

<210> 5765
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5765
Ser Asp Ile Leu Glu Leu Gly Ala Arg Ile Phe Val Ser Ser Ile Lys
1   5   10   15

Asn Gly Met Trp
            20

<210> 5766
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5766
Thr Tyr Gly Lys Thr Pro Phe Gln Gln Ile Ile Asn Gln Ile Ser Lys
1   5   10   15

Leu His Ala Ile
            20

<210> 5767
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5767
Leu His Asn His Ser Ala Ala Ser Ala Thr Gly Ser Leu Asp Leu Ser
1   5   10   15

Ser Asp Phe Leu
            20

<210> 5768
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5768
Ser Phe Ala Asp Thr Ile Lys Val Phe Gln Thr Glu Ser His Met Lys
1   5   10   15

Ile Val Arg Lys
            20

<210> 5769
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5769
Thr Leu Glu Phe Glu Met Arg His Leu Gln Arg Glu Tyr Leu Ser Leu
1   5   10   15

Ser Asp Lys Ile
            20

<210> 5770
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5770
Gln His Thr Gln Glu Leu Phe Ile Ser Asn Ile Thr Glu Lys Asn Ser
1   5   10   15

Gly Leu Tyr Thr
            20

<210> 5771
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5771
Ile Ala Glu Leu Glu Ser Lys Thr Asn Thr Leu Arg Leu Ser Gln Thr
1   5   10   15

Val Ala Pro Asn
            20

<210> 5772
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5772
Val Tyr Glu Phe Arg Val Lys Glu Ser Ser Ile Ile Ala Pro Ala Pro
1   5   10   15

Ala Glu Asp Val
            20

<210> 5773
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5773
Arg Thr Leu Glu Val Gln Ser Asp Tyr Ser Ser Tyr Ala Arg Thr Ser
1   5   10   15

Ile Arg Ala Ser
            20

<210> 5774
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5774
Gln Ala Thr His Arg Phe Thr Phe Ser Gln Ile Phe Gly Pro Glu Val
1   5   10   15

Gly Gln Ala Ser
            20

<210> 5775
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5775
Gln Pro Asp Tyr Asp Leu Glu Thr Phe Val Asn Lys Ala Glu Ser Ala
1   5   10   15

Leu Ala Gln Gln
            20

<210> 5776
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5776
Gly Val Leu Ala Asn Pro Pro Asn Ile Ser Ser Leu Ser Pro Arg Gln
1   5   10   15

Leu Leu Gly Phe
20

<210> 5777
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5777
Val Ala Glu Leu Ala Thr Arg Pro Gln Asn Ile Glu Thr Leu Gln Asn
1 5 10 15

Ala Gly Val Met
20

<210> 5778
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5778
Gln Leu Ile Glu Gly Leu Asp Ile Leu Phe Leu Leu Lys Thr Ile Glu
1 5 10 15

Glu Phe Tyr Lys
20

<210> 5779
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5779
Asp Pro Lys Gln Arg Ile Ser Ile Pro Glu Leu Leu Ala His Pro Tyr
1 5 10 15

Val Gln Ile Gln
20

<210> 5780
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5780
Arg Arg Ser Gln Val Glu Gln Gln Gln Leu Ile Thr Val Glu Lys Ala

1 5 10 15

Leu Ala Ile Leu
20

<210> 5781
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5781
Tyr Ser Gln Asp Leu Gly Glu Met Thr Lys Leu Asn Ser Lys Arg Val
1 5 10 15

Ser Phe Lys Leu
20

<210> 5782
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5782
Asn Glu Asn Asn Arg Met Ser Ile Glu Met Glu Ala Met Lys Thr Asn
1 5 10 15

Ile Leu Leu Ile
20

<210> 5783
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5783
Asn Gly Asn Arg Thr Leu Thr Leu Phe Asn Val Thr Arg Asn Asp Ala
1 5 10 15

Arg Ala Tyr Val
20

<210> 5784
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5784
Arg His Arg Leu Leu Glu Lys Ile Arg Val Leu Glu Ala Glu Lys Glu
1   5   10   15

Lys Asn Ala Tyr
            20

<210> 5785
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5785
Asn Ala Val Ala Ser Val Pro Ile Met Tyr Ser Trp Ser Pro Leu Gln
1   5   10   15

Gln Asn Phe Met
            20

<210> 5786
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5786
Arg Ala Val Arg Ser Leu Leu Arg Ser His Tyr Arg Glu Val Leu Pro
1   5   10   15

Leu Ala Thr Phe
            20

<210> 5787
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5787
Lys Asp Val Leu Lys Gly Gln Asn Trp Leu Ile Tyr Thr Tyr Gly Val
1   5   10   15

Thr Asn Ser Gly
            20

<210> 5788

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5788
Gln Glu His Leu Val Asn Ser Ala Asp Asp Val Ile Lys Met Ile Asp
1   5   10   15

Met Gly Ser Ala
            20

<210> 5789
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5789
Gln Asn Val Ser Met Asp Leu Ala Thr Phe Met Lys Leu Arg Thr Asp
1   5   10   15

Ala Val Leu Pro
            20

<210> 5790
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5790
Val Val Gly Gln Phe Ser Lys Val Leu Pro His Asp Ser Lys Ala Arg
1   5   10   15

Arg Leu Phe Val
            20

<210> 5791
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5791
Ser Val Ile Lys Ile Leu Glu Asp Asn Val Leu Leu Val Glu Leu Phe
1   5   10   15

Asp Ser Leu Gly
            20

<210> 5792
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5792
Ser Val Val Lys Asp Ser Gln Val Gly Thr Val Asn Tyr Met Pro Pro
1   5   10   15

Glu Ala Ile Lys
            20

<210> 5793
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5793
Gln Asn Ile Pro Ser Phe Ala Pro Val Leu Leu Leu Ala Thr Ser Asp
1   5   10   15

Lys Pro His Ser
            20

<210> 5794
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5794
Val Gln Glu Ile Ala Glu Lys Gln Ala Leu Ala Val Gly Asn Lys Ile
1   5   10   15

Val Leu His Thr
            20

<210> 5795
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5795
Leu Pro Thr Ala Pro Pro Asn Val Met Ser Gln Ala Asp Thr Val Ile
1   5   10   15

Leu Asp Lys Ser
            20

<210> 5796
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5796
Ser Trp Arg Ile Asn Gly Ile Pro Gln Gln His Thr Gln Val Leu Phe
1   5   10   15

Ile Ala Lys Ile
            20

<210> 5797
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5797
Leu Lys Asp Ala Leu Glu Lys Asn Gln Gln Trp Leu Val Tyr Asp Gln
1   5   10   15

Gln Arg Glu Val
            20

<210> 5798
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5798
Phe Val Val Asp Ala Thr Arg Lys Gly Asn Lys Ile Arg Phe Ala Asn
1   5   10   15

His Ser Val Asn
            20

<210> 5799
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5799

Ile Pro Gln Asp Arg Leu Thr Glu Val Ile Ala Ser Ile Ile Lys Pro
1   5   10   15

Gln Asn Thr Tyr
            20

<210> 5800
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5800
Gln Asp Gln Thr Leu Ala Glu Leu Gln Asn Asn Met Val Leu Val Lys
1   5   10   15

Leu Asp Leu Arg
            20

<210> 5801
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5801
Ile Lys Ile Gln Arg Ser Asn Gly Leu Ile His Ser Ala Asn Val Arg
1   5   10   15

Thr Val Asn Leu
            20

<210> 5802
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5802
Pro Ile Ile Arg Ser Ile Pro Gln Gly Ile Val Ala Ala Trp Arg Gln
1   5   10   15

Arg Ser Ser Arg
            20

<210> 5803
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5803
Met Ser Gln Arg Gln Val Leu Gln Val Phe Glu Gln Tyr Gln Lys Ala
1   5   10   15

Arg Thr Gln Phe
            20

<210> 5804
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5804
Ser Leu Pro Ser Pro Gly Glu Leu Tyr Ala Val Gln Val Lys His Val
1   5   10   15

Val Ser Pro Asn
            20

<210> 5805
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5805
Ala Lys Gly Thr Thr Glu Glu Met Lys Tyr Val Leu Gly Gln Leu Val
1   5   10   15

Gly Leu Asn Ser
            20

<210> 5806
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5806
Val Arg Phe Asp Ser Val Gly Gly Leu Ser Asn His Ile Ala Ala Leu
1   5   10   15

Lys Glu Met Val
            20

<210> 5807
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5807
Phe Pro Phe Leu Asp Lys Arg Tyr Arg Lys Ile Val Asp Val Asn Phe
1   5   10   15

Gln Ser Leu Leu
            20

<210> 5808
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5808
Thr Ala Glu Glu Asn Phe Leu Gln Glu Ile Lys Asn Ala Lys Ser Glu
1   5   10   15

Ala Ser Ile Tyr
            20

<210> 5809
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5809
Val Asn Glu Glu Ala Thr Gly Gln Phe Arg Val Tyr Pro Glu Leu Pro
1   5   10   15

Lys Pro Ser Ile
            20

<210> 5810
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5810
Ile Phe Glu Leu Glu Lys Lys Thr Glu Thr Ala Ala His Ser Leu Pro
1   5   10   15

Gln Gln Thr Lys

20

<210> 5811
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5811
Tyr Met Arg Leu Arg Gln Leu Lys Arg Phe Arg Arg Ala Asp Glu Val
1 5 10 15

Lys Ser Met Phe
20

<210> 5812
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5812
Tyr Val Val Glu Leu Leu Arg Ser Phe Phe Tyr Val Thr Glu Thr Thr
1 5 10 15

Phe Gln Lys Asn
20

<210> 5813
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5813
Met Ser Gln Gly Ile Leu Ser Pro Pro Ala Gly Leu Leu Ser Asp Asp
1 5 10 15

Asp Val Val Val
20

<210> 5814
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5814
Leu Leu Leu Val His Glu Pro Lys Leu Lys Val Asp Leu Thr Lys Tyr
1 5 10 15

Leu Glu Asn Gln
            20

<210> 5815
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5815
Ser Arg Asp Pro Ser Trp Arg Gln Pro Glu Arg Thr Ile Leu Arg Pro
1   5   10   15

Arg Phe Arg Arg
            20

<210> 5816
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5816
Ser Lys His Ser Val Asp Leu Ala Glu Met Val Val Glu Ala Glu Ile
1   5   10   15

Phe Pro Val Val
            20

<210> 5817
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5817
Ser Ile Leu Val Gln Phe Val Asp Tyr Gly Ser Thr Ala Lys Leu Thr
1   5   10   15

Leu Asn Arg Leu
            20

<210> 5818
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5818
Val Glu Arg Gly Ala Val Pro Leu Glu Met Leu Glu Ile Ala Leu Arg
1   5   10   15

Asn Leu Asn Leu
            20

<210> 5819
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5819
Arg Lys Ile Arg Lys Lys Ser Asn Trp Tyr Leu Gly Thr Ile Lys Lys
1   5   10   15

Arg Arg Lys Ile
            20

<210> 5820
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5820
Ala Gly Lys Leu Asn Leu Ser Pro Ser Gln Tyr Ile Asn Glu Glu Asn
1   5   10   15

Leu Pro Val Tyr
            20

<210> 5821
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5821
Glu Leu Lys Lys His Ser Gln Glu Asn Ile Lys Phe Glu Asn Ser Ile
1   5   10   15

Ser Arg Leu Thr
            20

<210> 5822
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5822
Gln Gln Ser Thr Gln Glu Leu Phe Ile Pro Asn Ile Thr Val Asn Asn
1   5   10   15

Ser Gly Ser Tyr
            20

<210> 5823
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5823
Leu Lys Glu Leu Arg Lys Ala Arg Asn Gln Ile Thr Gln Leu Glu Ser
1   5   10   15

Leu Lys Gln Leu
            20

<210> 5824
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5824
Phe Leu Phe Asn Leu Asn Asn Asp Phe Val Val Asp Ala Thr Arg Lys
1   5   10   15

Gly Asn Lys Ile
            20

<210> 5825
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5825
Leu Trp Gly Ser Arg His Asn Glu Arg Arg Phe Leu Arg Asn Thr Lys
1   5   10   15

Lys Phe Ile Ser
            20

<210> 5826
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5826
Leu Asn Gly Gly Leu Gln Glu Glu Glu Leu Ser Thr Ser Leu Lys Arg
1   5   10   15

Ser Val Tyr Ile
            20

<210> 5827
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5827
Ser Leu Arg Ser Arg Ser Thr Arg Met Ser Thr Val Ser Glu Leu Arg
1   5   10   15

Ile Thr Ala Gln
            20

<210> 5828
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5828
Ser Gly Lys Lys Ala Arg Glu Ile Asp Glu Ser Leu Ile Phe Tyr Lys
1   5   10   15

Lys Trp Glu Leu
            20

<210> 5829
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5829
Ala Leu Ala Leu Gly Arg Leu Ala Asn Tyr Asn Asp Asp Leu Ala Glu
1   5   10   15

Ala Val Val Lys
            20

<210> 5830
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5830
Ser Leu Tyr Leu Thr Gly Ala Val Ala Thr Ile Ile Leu Gln Val Asp
1   5   10   15

Ser Glu Glu Asn
            20

<210> 5831
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5831
Ser Glu Glu Glu Lys Lys Asn Leu Ser Ala Ser Thr Val Leu Thr Ala
1   5   10   15

Gln Glu Ser Phe
            20

<210> 5832
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5832
Glu Ile Val Val Ile Gly Ala Thr Asn Arg Leu Asp Ser Ile Asp Pro
1   5   10   15

Ala Leu Arg Arg
            20

<210> 5833
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5833
Ala Asp Gly Thr Ser Leu Asp Phe Ser Thr Tyr Arg Ser Ser Gln Met

1 5 10 15

Glu Ser Gln Phe
20

<210> 5834
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5834
Ser Thr Asp Asn Leu Ser Ser Asn Ile Ile Ile His Pro Ser Glu Asn
1 5 10 15

Ser Asp Ile Leu
20

<210> 5835
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5835
Pro Asn Ala Ser Leu Leu Ile Gln Asn Ile Ile Gln Asn Asp Thr Gly
1 5 10 15

Phe Tyr Thr Leu
20

<210> 5836
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5836
Gly Glu Thr Glu Asn Arg Glu Lys Val Ala Ala Ser Pro Lys Ser Pro
1 5 10 15

Thr Ala Ala Leu
20

<210> 5837
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5837
Met Phe Ser Ser Asn Arg Gln Lys Ile Leu Glu Arg Thr Glu Ile Leu
1   5   10   15

Asn Gln Glu Trp
            20

<210> 5838
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5838
Arg Asn Thr Lys Lys Phe Ile Ser Leu Gly Lys His Ala Lys Leu Ser
1   5   10   15

Leu Gln Glu Leu
            20

<210> 5839
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5839
Ser Pro Met Phe Glu Ser Thr Ala Ala Asp Leu Gly Ser Val Val Arg
1   5   10   15

Lys Asn Leu Leu
            20

<210> 5840
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5840
Glu Glu Gln Val His Ser Ile Arg Gly Ser Ser Ser Ala Asn Pro Val
1   5   10   15

Asn Ser Val Arg
            20

<210> 5841

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5841
Gly Leu Lys Ala Glu Glu Arg His Arg Pro Val Arg Asp Trp Ile Leu
1   5   10   15

Arg Gln Arg Gln
            20

<210> 5842
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5842
Gln Glu Ile Lys Ala Glu Pro Gly Ser Leu Leu Gln Glu Tyr Ile Asn
1   5   10   15

Ser Ile Asn Ser
            20

<210> 5843
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5843
His Phe Tyr Ile Arg Lys Tyr Ser Gln Ile Lys Asp Ala Lys Val Leu
1   5   10   15

Glu Lys Lys Val
            20

<210> 5844
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5844
Leu Asn Lys Leu Gln Gln His Ser Asp Lys Ile Ile Arg Leu Tyr Asp
1   5   10   15

Tyr Glu Ile Thr
            20

<210> 5845
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5845
Lys Glu Met Val Val Phe Pro Leu Leu Tyr Pro Glu Val Phe Glu Lys
1   5   10   15

Phe Lys Ile Gln
            20

<210> 5846
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5846
Glu Glu Asn Met Asp Ile Thr Lys Ser His Thr Val Ala Ile Asp Asn
1   5   10   15

Gln Ile Phe Lys
            20

<210> 5847
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5847
Asn Ser Ile Ser Arg Leu Thr Glu Asp Lys Ile Leu Leu Glu Asn Tyr
1   5   10   15

Val Arg Ser Ile
            20

<210> 5848
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5848
Glu Pro Glu Ile Gln Asn Thr Thr Tyr Leu Trp Trp Val Asn Asn Gln
1   5   10   15

Ser Leu Pro Val
            20

<210> 5849
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5849
Ile Pro Tyr Met Gly Asp Glu Val Leu Asp Gln Asp Gly Thr Phe Ile
1   5   10   15

Glu Glu Leu Ile
            20

<210> 5850
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5850
His Val Arg Lys Ala Phe Lys Ser His Val Ser Thr Leu Thr Asp Leu
1   5   10   15

Gln Pro Tyr Met
            20

<210> 5851
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5851
Asp Leu Lys Pro Leu Leu Ser Asn Glu Val Ile Trp Leu Asp Ser Lys
1   5   10   15

Gln Ile Arg Gln
            20

<210> 5852
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5852

Lys Ala His Thr Pro Phe Arg Glu Ser Lys Leu Thr Gln Val Leu Arg
1   5   10   15

Asp Ser Phe Ile
            20

<210> 5853
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5853
Arg Glu Leu Ala Val Ala Leu Ala Gln Lys Asn Val Lys Leu Ser Thr
1   5   10   15

Glu Gln Leu Arg
            20

<210> 5854
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5854
Val Arg Tyr Tyr Ser Pro Gly Tyr Ser Asp Thr Leu Leu Gln Arg Val
1   5   10   15

Asp Ser Tyr Gln
            20

<210> 5855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5855
Lys Phe Lys Ser Gln Ser Leu Arg Ser His Phe Glu Lys Asn Thr Thr
1   5   10   15

Leu His Tyr His
            20

<210> 5856
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5856
Asn Pro Glu Asp Trp Leu Ser Leu Leu Leu Lys Leu Glu Lys Asn Ser
1   5   10   15

Val Pro Leu Ser
            20

<210> 5857
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5857
Ile Ser Ala Lys Asp Phe Glu Val Ala Met Gln Lys Met Ile Pro Ala
1   5   10   15

Ser Gln Arg Ala
            20

<210> 5858
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5858
Leu Leu Pro Asn Glu Ile Ala Ile Arg Pro Met Asp Lys Thr Val Leu
1   5   10   15

Phe Thr Asp Asn
            20

<210> 5859
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5859
Asp Glu Val Asp Ser Val Leu Leu Ser Ala Ser Lys Ile Leu Asn Ser
1   5   10   15

Ser Glu Gly Val
            20

<210> 5860
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5860
Glu Pro Glu Thr Gln Asp Ala Thr Tyr Leu Trp Trp Val Asn Asn Gln
1   5   10   15

Ser Leu Pro Val
            20

<210> 5861
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5861
Arg Gln Val Tyr Glu Phe Arg Val Lys Glu Ser Ser Ile Ile Ala Pro
1   5   10   15

Ala Pro Ala Glu
            20

<210> 5862
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5862
Asp Gly Leu Arg Pro Ile Val Asn Met Asp Tyr Val Val Gly Ala Arg
1   5   10   15

Thr Phe Arg Arg
            20

<210> 5863
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5863
Asp Ile Ser Met Tyr Gly Lys Glu Glu Leu Leu Gln Val Val Glu Ala
1   5   10   15

Met Lys Thr Leu

20

<210> 5864
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5864
Asp Asp Val Ala Ala Ile Asn Pro Glu Leu Leu Gln Leu Leu Pro Leu
1 5 10 15

His Pro Lys Asp
20

<210> 5865
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5865
Leu Asp Gln Asp Gln Gln Glu Ala Ala Arg Ala Ala Leu Gln Gly Gly
1 5 10 15

Gly Pro Pro Tyr
20

<210> 5866
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5866
Arg Glu Ile Ala Lys His Thr Pro Glu Leu Ser Gln Leu Val Val Asn
1 5 10 15

Ala Gly Gly Val
20

<210> 5867
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5867
Asn Val Trp Gln Pro Asp Ala Ile Glu Val Leu Gln Gln Leu Leu Ser
1 5 10 15

Lys Arg Gln Val
            20

<210> 5868
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5868
Asn Glu Ser Phe Ala Arg Ile Gln Val Arg Phe Ala Glu Leu Lys Ala
1   5   10   15

Ile Gln Glu Pro
            20

<210> 5869
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5869
Leu Ser Leu Glu His Ile Gly Arg Arg Arg Leu Arg Ser Ala Gly Ala
1   5   10   15

Ala Gln Lys Lys
            20

<210> 5870
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5870
Asn Leu Asn Asn Leu Asn Gly Lys Thr Gly Glu Phe Leu Ala Phe Gln
1   5   10   15

Thr Val His Leu
            20

<210> 5871
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5871
Glu Lys Asn Ile Gln Leu Ser Leu Glu Lys Gln Gln Met Met Glu Ala
1   5   10   15

Leu Asp Gln Leu
            20

<210> 5872
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5872
Arg Asn Asn Ser Ile Val Lys Ser Ile Thr Val Ser Ala Ser Gly Thr
1   5   10   15

Ser Pro Gly Leu
            20

<210> 5873
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5873
Gln Arg Gly Ser Lys Lys His Leu Leu Leu Ala Pro Ser Asp Val Ala
1   5   10   15

Gly Trp Gly Ile
            20

<210> 5874
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5874
Thr Tyr Val Pro Leu Leu Gly Ser Leu Arg Thr Ala Gln Thr Gln Leu
1   5   10   15

Ser Arg Lys Leu
            20

<210> 5875
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5875
Gln Asn Leu Val Pro Phe Arg Asp Ser Lys Leu Thr Arg Val Phe Gln
1   5   10   15

Gly Phe Phe Thr
            20

<210> 5876
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5876
Lys Arg Glu Glu Lys Lys Ala Gln Asn Ser Glu Met Arg Met Lys Arg
1   5   10   15

Ala Gln Glu Tyr
            20

<210> 5877
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5877
Pro Gln Ala Pro Arg Arg Pro Leu Pro Gln Val Ala Thr Leu Ile Asp
1   5   10   15

Arg Phe Val Lys
            20

<210> 5878
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5878
Leu Ser Glu Glu Pro Glu Asp His Ile Lys Ala Ala Ala Ala Trp Ala
1   5   10   15

Leu Gly Gln Ile
            20

<210> 5879
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5879
Glu Glu Phe Ala Arg Thr Thr Asp Asp Tyr Leu Ser Asn Leu Ile Lys
1   5   10   15

Ala Lys Ser Tyr
            20

<210> 5880
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5880
Asp Ser Arg Gly Gln Thr Thr Lys Ala Arg Phe Leu Tyr Gly Glu Asn
1   5   10   15

Met Pro Pro Gln
            20

<210> 5881
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5881
Ser Glu Lys Leu Gln Leu Asp Leu Ser Ser Ile Asn Ile Ser Ala Lys
1   5   10   15

Asp Phe Glu Val
            20

<210> 5882
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5882
Arg Asn Lys Lys Asn Ser Arg Arg Val Ser Phe Ala Asp Thr Ile Lys
1   5   10   15

Val Phe Gln Thr
            20

<210> 5883
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5883
Asp Leu Pro Thr Glu Asn Gln Glu Glu Asn Leu Ser Met Glu Lys Ser
1   5   10   15

His His Phe Glu
            20

<210> 5884
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5884
Thr Val Tyr Ala Glu Pro Pro Lys Pro Phe Ile Thr Ser Asn Asn Ser
1   5   10   15

Asn Pro Val Glu
            20

<210> 5885
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5885
Val Val Asp Ala Thr Arg Lys Gly Asn Lys Ile Arg Phe Ala Asn His
1   5   10   15

Ser Val Asn Pro
            20

<210> 5886
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5886
Ser Leu Leu Arg Ser His Tyr Arg Glu Val Leu Pro Leu Ala Thr Phe

1 5 10 15

Val Arg Arg Leu
20

<210> 5887
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5887
Gln Gly Thr Ile Lys Asp Gly Gly Ile Leu Pro Arg Ser Leu Ala Leu
1 5 10 15

Ile Phe Asn Ser
20

<210> 5888
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5888
Ile Arg Ala Leu Gly Gln Asn Lys Ala His Thr Pro Phe Arg Glu Ser
1 5 10 15

Lys Leu Thr Gln
20

<210> 5889
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5889
Leu Phe Ser Leu Gly Trp Val Gln Pro Ser Arg Thr Leu Ala Gly Glu
1 5 10 15

Thr Gly Gln Glu
20

<210> 5890
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5890
Thr Asn Thr Leu Pro Val Leu Leu Ser Leu Tyr Met Ser Thr Glu Ser
1   5   10   15

Ser Glu Asp Leu
            20

<210> 5891
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5891
Ile Ser Pro Glu Lys Ile Tyr Val Gln Trp Leu Leu Thr Glu Asn Leu
1   5   10   15

Leu Asn Ser Leu
            20

<210> 5892
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5892
Ile Ser Val Lys Gly Arg Ile Tyr Ser Ile Leu Lys Gln Ile Gly Ser
1   5   10   15

Gly Gly Ser Ser
            20

<210> 5893
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5893
Lys Ile Asp Leu His Lys Tyr Leu Thr Val Lys Asp Tyr Leu Arg Asp
1   5   10   15

Ile Asp Leu Ile
            20

<210> 5894

<211> 20
<212> PRT
<213> Homo sapiens

<400> 5894
Gln Asp Leu Ile Lys Asp Pro Arg Asn Leu Leu Ala Asn Gln Thr Leu
1   5   10   15

Val Tyr Ser Gln
            20

<210> 5895
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5895
Ile Lys Asn Ala Lys Ser Glu Ala Ser Ile Tyr Lys Asn Ser Leu Ser
1   5   10   15

Glu Ile Gly Lys
            20

<210> 5896
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5896
Glu Thr Gln Asn Pro Val Ser Ala Arg Arg Ser Asp Ser Val Ile Leu
1   5   10   15

Asn Val Leu Tyr
            20

<210> 5897
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5897
Ile Phe Ala Lys Arg Ala Ile Gln Thr Gly Glu Glu Leu Phe Phe Asp
1   5   10   15

Tyr Arg Tyr Ser
            20

<210> 5898
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5898
Thr Asp Ala Leu Arg Gly Ser Gly Ala Trp Gly Leu Leu Leu Arg Arg
1   5   10   15

Val Gly Asp Asp
            20

<210> 5899
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5899
Pro Val Pro Ala Asn Ile Arg Phe Ser Ile Trp Ile Ser Phe Phe Glu
1   5   10   15

Ile Tyr Asn Glu
            20

<210> 5900
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5900
Glu Thr Gly Gln Glu Ala Ala Pro Leu Asp Gly Val Leu Ala Asn Pro
1   5   10   15

Pro Asn Ile Ser
            20

<210> 5901
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5901
Tyr Tyr Ser Pro Gly Tyr Ser Asp Thr Leu Leu Gln Arg Val Asp Ser
1   5   10   15

Tyr Gln Pro Leu
            20

<210> 5902
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5902
Tyr Asp Asp Gly Leu Trp Tyr Arg Ala Lys Ile Val Ala Ile Lys Glu
1   5   10   15

Phe Asn Pro Leu
            20

<210> 5903
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5903
Gln Val Leu Asn Glu Lys Lys Gln Ile Tyr Ala Ile Lys Tyr Val Asn
1   5   10   15

Leu Glu Glu Ala
            20

<210> 5904
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5904
Ser Leu Asp Leu Ser Ser Asp Phe Leu Ser Leu Glu His Ile Gly Arg
1   5   10   15

Arg Arg Leu Arg
            20

<210> 5905
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5905

Phe Gln Asp Leu Ser Ile Asn Ser Ala Asp Lys Ile His Ile Thr Arg
1   5   10   15

Ser His Ile Met
            20

<210> 5906
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5906
Ser Lys Met Lys Pro Leu Ile Phe Thr Thr Gln Ser Leu Ile Gln Lys
1   5   10   15

Val Glu Thr Tyr
            20

<210> 5907
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5907
Thr Tyr Leu Trp Trp Val Asn Gly Gln Ser Leu Pro Val Ser Pro Arg
1   5   10   15

Leu Gln Leu Ser
            20

<210> 5908
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5908
Tyr Arg Tyr Ser Gln Ala Asp Ala Leu Lys Tyr Val Gly Ile Glu Arg
1   5   10   15

Glu Met Glu Ile
            20

<210> 5909
<211> 20
<212> PRT

<213> Homo sapiens

<400> 5909
Ser Val Trp Ser Lys Leu Gln Ser Ile Gly Ile Arg Gln His Leu Lys
1   5   10   15

Arg Val Gln Leu
            20

<210> 5910
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5910
Phe Arg Asp Ser Lys Leu Thr Arg Val Phe Gln Gly Phe Phe Thr Gly
1   5   10   15

Arg Gly Arg Ser
            20

<210> 5911
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5911
Val Ile Gln His Leu Gly Tyr Leu Phe Leu Lys Met Ser Pro Glu Asp
1   5   10   15

Ile Arg Lys Trp
            20

<210> 5912
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5912
Ala Val Ser Met Lys Val Phe Arg Glu Glu Asp Gly Val Leu Ile Val
1   5   10   15

Asp Leu Gln Lys
            20

<210> 5913
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5913
Leu Asn Lys Leu Ile Gly Arg Tyr Ser Gln Ala Ile Glu Ala Leu Pro
1   5   10   15

Pro Asp Lys Tyr
            20

<210> 5914
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5914
Arg Ile Arg Ser Arg Tyr Ser Gly Val Asn Gln Ser Met Leu Phe Asp
1   5   10   15

Lys Leu Ile Thr
            20

<210> 5915
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5915
Glu Lys Leu Gln Asp Gly Arg Ile Thr Ile Arg Glu Phe Phe Ile Leu
1   5   10   15

Leu Gln Val His
            20

<210> 5916
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5916
Ile Ala Glu Ser Glu Asn Gln Ile Gln Pro Gln Ser Ala Leu Lys Val
1   5   10   15

Leu Gln Gln Gln

20

<210> 5917
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5917
Asn Gly Ile Pro Gln Gln His Thr Gln Val Leu Phe Ile Ala Lys Ile
1 5 10 15

Thr Pro Asn Asn
20

<210> 5918
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5918
Phe Ser Val Leu Asn Tyr Glu Arg Ala Arg Arg Pro Gly Leu Leu Gly
1 5 10 15

Ala Ser Val Leu
20

<210> 5919
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5919
Pro Arg Ser Leu Ala Leu Ile Phe Asn Ser Leu Gln Gly Gln Leu His
1 5 10 15

Pro Thr Pro Asp
20

<210> 5920
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5920
Ser Leu Ser Pro Glu Glu Leu Ser Ser Val Pro Pro Ser Ser Ile Trp
1 5 10 15

Ala Val Arg Pro
            20

<210> 5921
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5921
Gln Asp Lys Asn Gln Trp Arg Arg Gly Gln Ile Ile Arg Met Val Thr
1   5   10   15

Asp Thr Leu Val
            20

<210> 5922
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5922
Ile Thr Asp Ser Ile Thr Leu Lys Asn Lys Thr Glu Ser Ser Leu Leu
1   5   10   15

Ala Lys Leu Glu
            20

<210> 5923
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5923
Ile Tyr Lys Asp Arg Met Lys Ile Gly Ala Ser Leu Ala Asp Val Asp
1   5   10   15

Pro Met Gln Leu
            20

<210> 5924
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5924
Arg Leu Leu Gly Glu Glu Ile Glu Tyr Leu Lys Arg Trp Gly Pro Asn
1   5   10   15

Tyr Asn Leu Met
            20

<210> 5925
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5925
Leu His Ser Val Glu Glu Lys Leu Ser Gly Asp Ser Val Asn Ser Leu
1   5   10   15

Pro Gln Ser Val
            20

<210> 5926
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5926
Val His Asn Leu Pro Gln His Leu Phe Gly Tyr Ser Trp Tyr Lys Gly
1   5   10   15

Glu Arg Val Asp
            20

<210> 5927
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5927
Ala Phe Lys Ser His Val Ser Thr Leu Thr Asp Leu Gln Pro Tyr Met
1   5   10   15

Arg Gln Phe Val
            20

<210> 5928
<211> 20

<212> PRT
<213> Homo sapiens

<400> 5928
Arg Ile Leu Arg Ser Arg Arg Ser Pro Leu Leu Lys Ser Gly Pro Phe
1   5   10   15

Gly Lys Lys Tyr
            20

<210> 5929
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5929
Arg Ile Thr Lys Ala Asn Val Asp Leu Leu Pro Arg Gly Ala Pro Glu
1   5   10   15

Arg Gln Arg Leu
            20

<210> 5930
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5930
Val Gly Asp Asp Gly Thr Ile Phe Val Val Pro Lys Leu Ser Glu Phe
1   5   10   15

Glu Leu Ile Lys
            20

<210> 5931
<211> 20
<212> PRT
<213> Homo sapiens

<400> 5931
Val Gln Asn Ser His Phe Lys Glu Pro Leu Val Ser Asp Glu Lys Ser
1   5   10   15

Ser Glu Leu Ile
            20

<210> 5932
<211> 30
<212> PRT
<213> Homo sapiens

<400> 5932
Pro Ile Val Gln Asn Ile Gln Gly Gln Met Val His Gln Ala Ile Ser
1   5   10   15

Pro Arg Thr Leu Asn Ala Trp Val Lys Val Val Glu Glu Lys
            20   25   30

<210> 5933
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5933
Asn Ser Leu Gln Lys Gln Leu Gln Ala Val Leu Gln Trp Ile Ala Ala
1   5   10   15

Ser Gln Phe Asn
            20

<210> 5934
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5934
Ser Gly Asp Glu Arg Ser Asp Glu Ile Val Leu Thr Val Ser Asn Ser
1   5   10   15

Asn Val Glu Glu
            20

<210> 5935
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5935
Val Gln Lys Glu Asp Gly Arg Val Gln Ala Phe Gly Trp Ser Leu Pro
1 5 10 15

Gln Lys Tyr Lys
20

<210> 5936
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5936
Glu Val Glu Ser Thr Pro Met Ile Met Glu Asn Ile Gln Glu Leu Ile
1 5 10 15

Arg Ser Ala Gln
20

<210> 5937
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5937
Ala Tyr Phe Glu Ser Leu Leu Glu Lys Arg Glu Lys Thr Asn Phe Asp
1 5 10 15

Pro Ala Glu Trp
            20

<210> 5938
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5938
Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe Pro Asn Ala Pro
1   5   10   15

Tyr Leu Pro Ser
            20

<210> 5939
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5939
Arg Arg Ser Ile Ala Gly Phe Val Ala Ser Ile Asn Glu Gly Met Thr
1   5   10   15

Arg Trp Phe Ser
            20

<210> 5940
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5940

Met Gln Asp Ile Lys Met Ile Leu Lys Met Val Gln Leu Asp Ser Ile
1   5   10   15

Glu Asp Leu Glu
            20

<210> 5941
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5941
Ala Asn Ser Val Val Ser Asp Met Met Val Ser Ile Met Lys Thr Leu
1   5   10   15

Lys Ile Gln Val
            20

<210> 5942
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
      peptide"

<400> 5942
Arg Glu Ala Leu Ser Asn Lys Val Asp Glu Leu Ala His Phe Leu Leu
1   5   10   15

Arg Lys Tyr Arg
            20

<210> 5943
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source

<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5943
Glu Thr Ser Tyr Glu Lys Val Ile Asn Tyr Leu Val Met Leu Asn Ala
1 5 10 15

Arg Glu Pro Ile
20

<210> 5944
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5944
Asp Val Lys Glu Val Asp Pro Thr Gly His Ser Phe Val Leu Val Thr
1 5 10 15

Ser Leu Gly Leu
20

<210> 5945
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5945
Ser Ala Gln Leu Leu Gln Ala Arg Leu Met Lys Glu Glu Ser Pro Val
1 5 10 15

Val Ser Trp Arg
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<210> 5946
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peptide"

<400> 5946
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Arg Leu Lys Arg
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<210> 5947
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<400> 5947
Phe Asp Arg Asn Thr Glu Ser Leu Phe Glu Glu Leu Ser Ser Ala Gly
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Ser Gly Leu Ile
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<210> 5948
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<400> 5948
Ser Gln Lys Met Asp Met Ser Asn Ile Val Leu Met Leu Ile Gln Lys
1 5 10 15

Leu Leu Asn Glu
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<210> 5949
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<220>
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<400> 5949
Ser Ala Val Phe His Glu Arg Tyr Ala Leu Ile Gln His Gln Lys Thr
1 5 10 15

His Lys Asn Glu
20

<210> 5950
<211> 20
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<220>
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<400> 5950
Asp Val Lys Glu Val Asp Pro Thr Ser His Ser Tyr Val Leu Val Thr
1 5 10 15

Ser Leu Asn Leu
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<210> 5951
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 5951
Glu Asn Ala His Gly Gln Ser Leu Glu Glu Asp Ser Ala Leu Glu Ala
1 5 10 15

Leu Leu Asn Phe
            20

<210> 5952
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 5952
Met Ala Ser Phe Arg Lys Leu Thr Leu Ser Glu Lys Val Pro Pro Asn
1   5   10   15

His Pro Ser Arg
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<210> 5953
<211> 20
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<400> 5953
Lys Arg Ala Ser Gln Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu
1   5   10   15

Asn Thr Met Leu
            20

<210> 5954
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 5954
Val Asp Pro Ala Gln Leu Glu Phe Met Phe Gln Glu Ala Leu Lys Leu
1   5   10   15

Lys Val Ala Glu
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<210> 5955
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<221> source
<223> /note="Description of Artificial Sequence: Synthetic
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<400> 5955
Glu Tyr Glu Arg Glu Glu Thr Arg Gln Val Tyr Met Asp Leu Asn Asn
1   5   10   15

Asn Ile Glu Lys
            20

<210> 5956
<211> 20
<212> PRT
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<220>
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      peptide"

<400> 5956
Pro Glu Ile Phe Gly Lys Ala Ser Glu Ser Leu Gln Leu Val Phe Gly
1   5   10   15

Ile Asp Val Lys
            20

<210> 5957
<211> 20
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<213> Artificial Sequence

<220>

<221> source
<223> /note="Description of Artificial Sequence: Synthetic
peptide"

<400> 5957
Asp Ser Glu Ser Ser Phe Thr Tyr Thr Leu Asp Glu Lys Val Ala Glu
1 5 10 15

Leu Val Glu Phe
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<210> 5958
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<400> 5958
Ser Val Ala Ser Thr Ile Thr Gly Val
1 5

<210> 5959
<211> 9
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<400> 5959
Val Met Ala Gly Asp Ile Tyr Ser Val
1 5

<210> 5960
<211> 9
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<400> 5960
Ala Leu Ala Asp Gly Val Gln Lys Val
1 5

<210> 5961
<211> 9
<212> PRT
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<400> 5961
Leu Leu Gly Ala Thr Cys Met Phe Val
1 5

<210> 5962
<211> 9
<212> PRT
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<400> 5962
Ser Val Phe Ala Gly Val Val Gly Val
1   5

<210> 5963
<211> 9
<212> PRT
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<400> 5963
Ala Leu Phe Asp Gly Asp Pro His Leu
1   5

<210> 5964
<211> 9
<212> PRT
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<400> 5964
Tyr Val Asp Pro Val Ile Thr Ser Ile
1   5

<210> 5965
<211> 9
<212> PRT
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<400> 5965
Ser Thr Ala Pro Pro Val His Asn Val
1   5

<210> 5966
<211> 9
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<400> 5966
Leu Ala Ala Leu Pro His Ser Cys Leu
1   5

<210> 5967
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<213> Artificial Sequence

<220>
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<400> 5967
Tyr Val Asp Glu Lys Ala Pro Glu Phe Ser Met Gln Gly Leu Lys Asp
1 5 10 15

Glu Lys Val Ala Glu Leu Val Arg Phe Leu Leu Arg Lys Tyr
20 25 30