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<110> polybiocept GmbH

<120> Production and selection of Tumor Uber Reactive Immune Cells (TURICs)

<130> 7027/P/1011-EP2

<160> 382

<170> PatentIn version 3.5

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Val Pro Val Ala Gln Val Thr Thr Thr Ser Thr Thr Asp Ala Asp
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Val Pro Val Ala Gln Val Thr Met Thr Ser Thr Thr Asp Ala Asp
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Pro Arg Cys Cys Ile Ser Ser Cys Cys Arg Pro Ser Cys Cys Val
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Pro Arg Cys Cys Ile Ser Ser Phe Cys Arg Pro Ser Cys Cys Val
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Cys Arg Pro Gln Cys Cys Gln Ser Val Cys Cys Gln Pro Thr Cys
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Cys Arg Pro Gln Cys Cys Gln Thr Val Cys Cys Gln Pro Thr Cys
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Glu Thr Gly Pro Glu Ala Glu Arg Leu Glu Gln Leu Glu Ser Gly
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Glu Thr Gly Pro Glu Ala Glu Trp Leu Glu Gln Leu Glu Ser Gly
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Gln Lys Glu Lys Ser Leu Glu Phe Thr Lys Glu Leu Pro Gly Tyr
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Gln Lys Glu Lys Ser Leu Glu Leu Thr Lys Glu Leu Pro Gly Tyr
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Thr Thr Thr Ala Ser Thr Glu Cys Ser Glu Thr Thr Thr Ala Ser
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Glu Lys Lys Gln Gln Phe Arg Asn Leu Lys Glu Lys Cys Phe Leu
1   5   10   15

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Glu Lys Lys Gln Gln Phe Arg Ser Leu Lys Glu Lys Cys Phe Leu
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Ala Phe Met Tyr Ala Lys Lys Glu Glu Trp Lys Lys Ala Glu Glu
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Ala Phe Met Tyr Ala Lys Lys Gly Glu Trp Lys Lys Ala Glu Glu
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Lys Leu Lys Lys Lys Gln Val Asn Val Phe Ala
1 5 10

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Lys Leu Lys Lys Lys Gln Val Lys Val Phe Ala
1 5 10

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Gly Arg Leu Ile Leu Trp Glu Ala Pro Pro Leu Gly Ala Gly Gly
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Gly Arg Leu Ile Leu Trp Glu Gly Pro Pro Leu Gly Ala Gly Gly
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1   5   10   15

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Ile Leu Leu Ile His Cys Asp Thr His Leu His Thr Pro Met Tyr
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Leu Leu Ile His Cys Asp Ala His Leu His Thr Pro Met Tyr Phe
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Leu Leu Ile His Cys Asp Ala Tyr Leu His Thr Pro Met Tyr Phe
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Ala Val Val Phe Gln Asp Ser Val Val Phe Arg Val Ala Pro Trp
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Ala Val Val Phe Gln Asp Ser Met Val Phe Arg Val Ala Pro Trp
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Glu His Ser Gln Glu Thr Glu Ser Leu Arg Glu Ala Leu Leu Ser
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Glu His Ser Gln Glu Thr Glu Ile Leu Arg Glu Ala Leu Leu Ser
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Pro Tyr Gly Cys Leu Pro Thr Gly Asp Arg Thr Gly Leu Ile Glu
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Pro Tyr Gly Cys Leu Pro Thr Arg Asp Arg Thr Gly Leu Ile Glu
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Gly Leu Pro Thr Asp Thr Ile Arg Lys Glu Phe Arg Thr Arg Met
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Gly Leu Pro Thr Asp Thr Ile Cys Lys Glu Phe Arg Thr Arg Met
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Thr Gly Ala Met Asn Val Ala Lys Gly Thr Ile Gln Thr Gly Val
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Thr Gly Ala Met Asn Val Ala Ile Gly Thr Ile Gln Thr Gly Val
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Thr Tyr Ser Pro Thr Ser Pro Val Tyr Thr Pro Thr Ser Pro Lys
1 5 10 15

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Thr Tyr Ser Pro Thr Ser Pro Asp Tyr Thr Pro Thr Ser Pro Lys
1   5   10   15

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Cys Arg Gly Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp His
1   5   10   15

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Cys Arg Gly Ser Gly Lys Ser Lys Val Gly Thr Ser Gly Asp His
1   5   10   15

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Ser Lys Met Gly Lys Trp Cys Arg His Cys Phe Ala Trp Cys Arg
1   5   10   15

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Ser Lys Met Gly Lys Trp Cys Ser His Cys Phe Ala Trp Cys Arg

1 5 10 15

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

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Asn Leu Val His Gly Pro Pro Gly Pro Pro Gln Val Gly Ala Asp
1   5   10   15

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1   5   10   15

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Gly Gly Gly Pro Asp Gly Pro Arg Tyr Lys Val Ser Val Thr Ala
1   5   10   15

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Gly Gly His Asp Ser Ser Ser Leu Ser His Arg Tyr Gly Gly Gly
1   5   10   15

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Val Arg Arg Cys Leu Pro Leu Cys Ala Leu Thr Leu Glu Ala Ala
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Val Arg Arg Cys Leu Pro Leu Trp Ala Leu Thr Leu Glu Ala Ala
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Pro Ser Arg His Arg Tyr Gly Ala Arg Gln Pro Arg Ala Arg Leu
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Pro Ser Arg His Arg Tyr Gly Thr Arg Gln Pro Arg Ala Arg Leu
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Glu Thr Lys Thr Lys Asp Glu Met Ala Ala Ala Glu Glu Lys Val
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Glu Thr Lys Thr Lys Asp Glu Thr Ala Ala Ala Glu Glu Lys Val
1 5 10 15

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Gln Glu Val Glu Gly Glu Thr Gln Lys Thr Glu Gly Asp Ala Gln
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Gln Glu Val Glu Gly Glu Thr His Lys Thr Glu Gly Asp Ala Gln
1   5   10   15

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Lys Ser Glu Gly Glu Glu Ala Gln Glu Val Glu Gly Glu Thr Gln
1   5   10   15

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Lys Ser Glu Gly Glu Glu Ala His Glu Val Glu Gly Glu Thr Gln
1   5   10   15

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Ala Gly Arg Phe Gly Gln Gly Ala His His Ala Ala Gly Gln Ala
1 5 10 15

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Ala Gly Arg Phe Gly Gln Gly Asp His His Ala Ala Gly Gln Ala
1 5 10 15

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Gln Leu Leu Glu Gly Leu Gly Phe Thr Leu Thr Val Val Pro Glu
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Gln Leu Leu Glu Gly Leu Gly Cys Thr Leu Thr Val Val Pro Glu
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Thr Arg Leu Phe Pro Asn Glu Phe Ala Asn Phe Tyr Asn Ala Val
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Thr Arg Leu Phe Pro Asn Glu Leu Ala Asn Phe Tyr Asn Ala Val
1   5   10   15

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Gln Gln Glu Ile Asp Gln Lys Arg Leu Glu Phe Glu Lys Gln Lys
1   5   10   15

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Gln Gln Glu Ile Asp Gln Lys Lys Ile Arg Ile Asn Ala Lys Thr
1   5   10   15

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

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

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Ala Gly Gln Asn Pro Ala Ser His Pro Pro Pro Asp Asp Ala Glu
1   5   10   15

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Ala Gly Gln Asn Pro Ala Ser Asp Pro Pro Pro Asp Asp Ala Glu
1   5   10   15

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Pro Thr Lys Cys Glu Val Glu Arg Phe Thr Ala Thr Ser Phe Gly
1   5   10   15

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Pro Thr Lys Cys Glu Val Glu Gln Phe Thr Ala Thr Ser Phe Gly
1   5   10   15

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Ile His Ser Ser Trp Asp Cys Gly Leu Phe Thr Asn Tyr Ser Ala
1 5 10 15

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Ile His Ser Ser Trp Asp Cys Ser Leu Phe Thr Asn Tyr Ser Ala
1 5 10 15

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Ile Met Ala Ser Lys Gly Met Arg His Phe Cys Leu Ile Ser Glu
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Ile Met Ala Ser Lys Gly Met His His Phe Cys Leu Ile Ser Glu
1 5 10 15

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Leu Trp His Leu Gln Gly Pro Lys Asp Leu Met Leu Lys Leu Arg
1 5 10 15

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1 5 10 15

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Gly Arg Asn Ser Phe Glu Val Arg Val Cys Ala Cys Pro Gly Arg
1 5 10 15

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Gly Arg Asn Ser Phe Glu Val Leu Val Cys Ala Cys Pro Gly Arg
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1 5 10 15

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Thr Ser Cys Ala Arg Arg Asp Tyr Pro Arg Ala Ser Ser Pro Asn
1   5   10   15

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Leu Gly Leu Trp Arg Gly Glu Glu Val Thr Leu Ser Asn Pro Lys
1   5   10   15

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Leu Gly Leu Trp Arg Gly Glu Ala Val Thr Leu Ser Asn Pro Lys
1   5   10   15

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Gly Cys Leu Gly Gly Glu Asn Arg Phe Arg Leu Arg Leu Glu Ser
1   5   10   15

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Gly Cys Leu Gly Gly Glu Asn Cys Phe Arg Leu Arg Leu Glu Ser

1 5 10 15

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Thr Gln Leu Arg Leu Pro Gly Cys Pro Thr Pro Val Ser Phe Gly
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Thr Gln Leu Arg Leu Pro Gly Trp Pro Thr Pro Val Ser Phe Gly
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Arg Lys Phe Ile Ser Leu His Arg Lys Ala Leu Glu Ser Asp Phe
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Arg Lys Phe Ile Ser Leu His Lys Lys Ala Leu Glu Ser Asp Phe
1 5 10 15

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Ser Gly Ser Gly Ser Gly Pro Leu Pro Ser Leu Phe Leu Asn Ser
1   5   10   15

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Ser Gly Ser Gly Ser Gly Pro Phe Pro Ser Leu Phe Leu Asn Ser
1   5   10   15

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Gly Cys Gly Lys Val Phe Ala Arg Ser Glu Asn Leu Lys Ile His
1   5   10   15

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Gly Cys Gly Lys Val Phe Ala Cys Ser Glu Asn Leu Lys Ile His
1   5   10   15

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Ser Thr Leu Leu Thr Glu His Arg Arg Ile His Thr Gly Glu Lys
1   5   10   15

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Ser Thr Leu Leu Thr Glu His Leu Arg Ile His Thr Gly Glu Lys
1   5   10   15

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Glu Lys Pro Tyr Leu Cys Pro Asp Cys Gly Arg Gly Phe Gly Gln
1   5   10   15

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Glu Lys Pro Tyr Leu Cys Pro Glu Cys Gly Arg Gly Phe Gly Gln
1   5   10   15

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Glu Glu Cys Gly Lys Pro Phe Asn Arg Phe Ser Tyr Leu Thr Val
1   5   10   15

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Glu Glu Cys Gly Lys Pro Phe Lys Arg Phe Ser Tyr Leu Thr Val
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Tyr Glu Cys Asn Glu Cys Gly Lys Ala Phe Ser Gln Ser Ser His
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Tyr Glu Cys Asn Glu Cys Gly Asn Ala Phe Ser Gln Ser Ser His
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Ser His Asn Ser Ser Leu Ile Leu His Gln Arg Val His Thr Gly
1 5 10 15

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Ser His Asn Ser Ser Leu Ile Phe His Gln Arg Val His Thr Gly
1 5 10 15

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Val Thr Gly Gly Arg Gly Gly Arg Gln Gly Pro Ser Pro Ala Phe
1   5   10   15

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<400> 260

Val Thr Gly Gly Arg Gly Gly Trp Gln Gly Pro Ser Pro Ala Phe
1   5   10   15

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Cys Asn Phe Ser Thr Ile Asp Val Val Ser Leu Lys Thr Asp Thr
1   5   10   15

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<400> 262

Cys Asn Phe Ser Thr Ile Asp Val Ser Leu Lys Thr Asp Thr Glu
1   5   10   15

<210> 263
<211> 15
<212> PRT
<213> Homo sapiens

<400> 263

Ser Asn Leu Thr Lys His Lys Lys Ile His Ile Glu Lys Lys Pro
1   5   10   15

<210> 264
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<213> Homo sapiens

<400> 264

Ser Asn Leu Thr Lys His Lys Ile Ile His Ile Glu Lys Lys Pro
1   5   10   15

<210> 265
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<213> Homo sapiens

<400> 265

Glu Cys Gly Gln Ala Phe Ser Leu Ser Ser Asn Leu Met Arg His
1   5   10   15

<210> 266
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<400> 266

Glu Cys Gly Gln Ala Phe Ser Ile Ser Ser Asn Leu Met Arg His
1   5   10   15

<210> 267
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<400> 267

Ile His Lys Met Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Glu
1   5   10   15

<210> 268
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<213> Homo sapiens

<400> 268

Ile His Lys Met Ile His Thr Val Glu Lys Pro Tyr Lys Cys Glu
1   5   10   15

<210> 269
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<400> 269

Cys Asn Glu Cys Gly Lys Ala Phe Cys Gln Ser Pro Ser Leu Ile
1   5   10   15

<210> 270
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<400> 270

Cys Asn Glu Cys Gly Lys Ala Leu Cys Gln Ser Pro Ser Leu Ile
1   5   10   15

<210> 271
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<213> Homo sapiens

<400> 271

Glu Cys Gly Lys Ala Phe Asn Arg Ser Ser Asn Leu Thr Lys His
1   5   10   15

<210> 272
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<400> 272

Glu Cys Gly Lys Ala Phe Asn Ser Ser Ser Asn Leu Thr Lys His
1 5 10 15

<210> 273
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<400> 273

Leu Gln Asn His Ile Gln Thr Ile His Arg Glu Leu Val Pro Asp
1 5 10 15

<210> 274
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<213> Homo sapiens

<400> 274

Leu Gln Asn His Ile Gln Thr Phe His Arg Glu Leu Val Pro Asp
1 5 10 15

<210> 275
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<213> Homo sapiens

<400> 275

Ser Asn Asp Ser Ser Leu Thr Gln His Gln Arg Val His Thr Gly
1 5 10 15

<210> 276
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<213> Homo sapiens

<400> 276

Ser Asn Asp Ser Ser Leu Thr His His Gln Arg Val His Thr Gly
1 5 10 15

<210> 277

<211> 15
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<213> Homo sapiens

<400> 277

Ser Asn Leu Thr Thr His Lys Lys Ile His Thr Gly Glu Arg Pro
1 5 10 15

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

<400> 278

Ser Asn Leu Thr Thr His Lys Ile Ile His Thr Gly Glu Arg Pro
1 5 10 15

<210> 279
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<213> Homo sapiens

<400> 279

Asn Val Ala Lys Pro Ser Ser Gly Pro His Thr Leu Leu His Ile
1 5 10 15

<210> 280
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<213> Homo sapiens

<400> 280

Asn Val Ala Lys Pro Ser Ser Cys Pro His Thr Leu Leu His Ile
1 5 10 15

<210> 281
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<213> Homo sapiens

<400> 281

Ser Thr Leu Asn Thr His Lys Arg Ile His Thr Gly Glu Glu Pro
1 5 10 15

<210> 282
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<213> Homo sapiens

<400> 282

Ser Thr Leu Asn Thr His Lys Ser Ile His Thr Gly Glu Glu Pro
1 5 10 15

<210> 283
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<400> 283

Lys Cys Asp Glu Cys Gly Asn Val Phe Asn Trp Pro Ala Thr Leu
1 5 10 15

<210> 284
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<400> 284

Lys Cys Asp Glu Cys Gly Asn Asp Phe Asn Trp Pro Ala Thr Leu
1 5 10 15

<210> 285
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<213> Homo sapiens

<400> 285

Cys Lys Glu Cys Gly Lys Ala Phe Ser Ser Ser Ser His Leu Ile
1 5 10 15

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

<400> 286

Cys Lys Glu Cys Gly Lys Ala Leu Ser Ser Ser Ser His Leu Ile
1   5   10   15

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

<400> 287

His Gln Arg Thr His Thr Gly Glu Lys Pro Phe Lys Cys Asp Glu
1   5   10   15

<210> 288
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<213> Homo sapiens

<400> 288

His Gln Arg Thr His Thr Gly Asp Lys Pro Phe Lys Cys Asp Glu
1   5   10   15

<210> 289
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<213> Homo sapiens

<400> 289

Glu Glu Cys Gly Lys Ala Phe Ser Val Phe Ser Thr Leu Thr Lys
1   5   10   15

<210> 290
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<400> 290

Glu Glu Cys Gly Lys Ala Phe Arg Val Phe Ser Thr Leu Thr Lys

1 5 10 15

<210> 291
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<213> Homo sapiens

<400> 291

His Lys Arg Ile His Asn Gly Glu Lys Pro Tyr Lys Cys Glu Glu
1 5 10 15

<210> 292
<211> 15
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<213> Homo sapiens

<400> 292

His Lys Arg Ile His Asn Gly Asp Lys Pro Tyr Lys Cys Glu Glu
1 5 10 15

<210> 293
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<400> 293

Glu Lys Pro Tyr Ser Cys Pro Asp Cys Ser Leu Arg Phe Ala Tyr
1 5 10 15

<210> 294
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<213> Homo sapiens

<400> 294

Glu Lys Pro Tyr Ser Cys Pro Glu Cys Ser Leu Arg Phe Ala Tyr
1 5 10 15

<210> 295
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<213> Homo sapiens

<400> 295

Lys Cys Glu Glu Cys Asp Thr Val Phe Ser Arg Lys Ser His His
1   5   10   15

<210> 296
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<213> Homo sapiens

<400> 296

Lys Cys Glu Glu Cys Asp Thr Asp Phe Ser Arg Lys Ser His His
1   5   10   15

<210> 297
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<213> Homo sapiens

<400> 297

Lys Ala Phe Ser Gln Ser Ser Thr Leu Arg Lys His Glu Ile Ile
1   5   10   15

<210> 298
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<213> Homo sapiens

<400> 298

Lys Ala Phe Ser Gln Ser Ser Ser Leu Arg Lys His Glu Ile Ile
1   5   10   15

<210> 299
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<400> 299

Asp Ile Leu Glu Gln Ala Arg Ala Ala Val Asp Thr Tyr Cys Arg
1   5   10   15

<210> 300
<211> 15
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<400> 300

Asp Ile Leu Glu Gln Ala Arg Gly Ala Val Asp Thr Tyr Cys Arg
1   5   10   15

<210> 301
<211> 22
<212> PRT
<213> Homo sapiens

<400> 301

Met Tyr Gly Cys Asp Val Gly Ser Asp Gly Arg Phe Leu Arg Gly Tyr
1   5   10   15

Arg Gln Asp Ala Tyr Asp
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<210> 302
<211> 22
<212> PRT
<213> Homo sapiens

<400> 302

Met Tyr Gly Cys Asp Val Gly Ser Asp Trp Arg Phe Leu Arg Gly Tyr
1   5   10   15

Arg Gln Asp Ala Tyr Asp
            20

<210> 303
<211> 25
<212> PRT
<213> Homo sapiens

<400> 303

Ile Gln Ile Met Tyr Gly Cys Asp Val Gly Pro Asp Gly Arg Phe Leu
1   5   10   15

Arg Gly Tyr Arg Gln Asp Ala Tyr Asp
            20   25

<210> 304
<211> 25
<212> PRT
<213> Homo sapiens

<400> 304

Ile Gln Ile Met Tyr Gly Cys Asp Val Gly Pro Asp Trp Arg Phe Leu
1   5   10   15

Arg Gly Tyr Arg Gln Asp Ala Tyr Asp
            20   25

<210> 305
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<213> Homo sapiens

<400> 305

Ile Gln Ile Met Tyr Gly Cys Asp Val Gly Ser Asp Gly Arg Phe Leu
1   5   10   15

Arg Gly Tyr Arg Gln Asp Ala Tyr Asp
            20   25

<210> 306
<211> 25
<212> PRT
<213> Homo sapiens

<400> 306

Ile Gln Ile Met Tyr Gly Cys Asp Val Gly Ser Asp Trp Arg Phe Leu
1   5   10   15

Arg Gly Tyr Arg Gln Asp Ala Tyr Asp

20 25

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

<400> 307

Asp Val Gly Pro Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Asp Ala
1 5 10 15

Tyr Asp Gly Lys Asp Tyr Ile Ala Leu
20 25

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

<400> 308

Asp Val Gly Pro Asp Gly Arg Phe Leu Arg Gly Tyr Gln Gln Asp Ala
1 5 10 15

Tyr Asp Gly Lys Asp Tyr Ile Ala Leu
20 25

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

<400> 309

Asp Val Gly Ser Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Asp Ala
1 5 10 15

Tyr Asp Gly Lys Asp Tyr Ile Ala Leu
20 25

<210> 310
<211> 25

<212> PRT
<213> Homo sapiens

<400> 310

Asp Val Gly Ser Asp Gly Arg Phe Leu Arg Gly Tyr Gln Gln Asp Ala
1   5   10   15

Tyr Asp Gly Lys Asp Tyr Ile Ala Leu
            20   25

<210> 311
<211> 25
<212> PRT
<213> Homo sapiens

<400> 311

Gly Ser Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Asp Ala Tyr Asp
1   5   10   15

Gly Lys Asp Tyr Ile Ala Leu Asn Glu
            20   25

<210> 312
<211> 25
<212> PRT
<213> Homo sapiens

<400> 312

Gly Ser Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Tyr Ala Tyr Asp
1   5   10   15

Gly Lys Asp Tyr Ile Ala Leu Asn Glu
            20   25

<210> 313
<211> 25
<212> PRT
<213> Homo sapiens

<400> 313

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Gly Pro Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Asp Ala Tyr Asp
1               5                   10                  15


Gly Lys Asp Tyr Ile Ala Leu Asn Glu
            20                  25


<210>  314
<211>  25
<212>  PRT
<213>  Homo sapiens

<400>  314

Gly Pro Asp Gly Arg Phe Leu Arg Gly Tyr Arg Gln Tyr Ala Tyr Asp
1               5                   10                  15


Gly Lys Asp Tyr Ile Ala Leu Asn Glu
            20                  25


<210>  315
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<213>  Homo sapiens

<400>  315

Tyr Leu Glu Gly Glu Cys Val Glu Trp Leu Arg Arg Tyr Leu Glu Asn
1               5                   10                  15


Gly Lys Asp Lys Leu Glu Arg Ala Gly
            20                  25


<210>  316
<211>  25
<212>  PRT
<213>  Homo sapiens

<400>  316

Tyr Leu Glu Gly Glu Cys Val Glu Trp Leu Arg Arg His Leu Glu Asn
1               5                   10                  15


Gly Lys Asp Lys Leu Glu Arg Ala Gly
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20 25

<210> 317
<211> 25
<212> PRT
<213> Homo sapiens

<400> 317

Tyr Leu Glu Gly Glu Cys Val Glu Trp Leu Arg Arg Tyr Leu Glu Asn
1 5 10 15

Gly Lys Asp Lys Leu Glu Arg Ala Asp
20 25

<210> 318
<211> 25
<212> PRT
<213> Homo sapiens

<400> 318

Tyr Leu Glu Gly Glu Cys Val Glu Trp Leu Arg Arg His Leu Glu Asn
1 5 10 15

Gly Lys Asp Lys Leu Glu Arg Ala Asp
20 25

<210> 319
<211> 25
<212> PRT
<213> Homo sapiens

<400> 319

Ala Leu Thr Glu Thr Trp Ala Cys Ser His Ser Met Arg Tyr Phe Asp
1 5 10 15

Thr Ala Val Ser Arg Pro Gly Arg Gly
20 25

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

<400> 320

Ala Leu Thr Glu Thr Trp Ala Cys Ser His Ser Met Lys Tyr Phe Asp
1   5   10   15

Thr Ala Val Ser Arg Pro Gly Arg Gly
            20   25

<210> 321
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<213> Homo sapiens

<400> 321

Met Arg Tyr Phe Asp Thr Ala Val Ser Arg Pro Gly Arg Gly
1   5   10

<210> 322
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<400> 322

Met Lys Tyr Phe Asp Thr Ala Val Ser Arg Pro Gly Arg Gly
1   5   10

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

<400> 323

Met Arg Tyr Phe Asp Thr Ala Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg

<210> 324
<211> 17
<212> PRT
<213> Homo sapiens

<400> 324

Met Arg Tyr Phe Val Thr Ala Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg

<210> 325
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<400> 325

Met Arg Tyr Phe Asp Thr Ala Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg

<210> 326
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<400> 326

Met Arg Tyr Phe Tyr Thr Ala Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg

<210> 327
<211> 19
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<213> Homo sapiens

<400> 327

Met Arg Tyr Phe Asp Thr Ala Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg Phe Ile

<210> 328
<211> 19
<212> PRT
<213> Homo sapiens

<400> 328

Met Arg Tyr Phe Asp Thr Ser Val Ser Arg Pro Gly Arg Gly Glu Pro
1   5   10   15

Arg Phe Ile

<210> 329
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<212> PRT
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<400> 329

Glu Thr Trp Ala Cys Ser His Ser Met Arg Tyr Phe Asp Thr Ala Val
1   5   10   15

Ser Arg Pro Gly Arg Gly Glu Pro Arg
            20   25

<210> 330
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<400> 330

Glu Thr Trp Ala Cys Ser His Ser Met Arg Tyr Phe Tyr Thr Ala Val
1   5   10   15

Ser Arg Pro Gly Arg Gly Glu Pro Arg
            20   25

<210> 331
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<400> 331

Glu Thr Trp Ala Cys Ser His Ser Met Arg Tyr Phe Asp Thr Ala Val
1   5   10   15

Ser Arg Pro Gly Arg Gly Glu Pro Arg
            20   25

<210> 332
<211> 25
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<213> Homo sapiens

<400> 332

Glu Thr Trp Ala Cys Ser His Ser Met Arg Tyr Phe Val Thr Ala Val
1   5   10   15

Ser Arg Pro Gly Arg Gly Glu Pro Arg
            20   25

<210> 333
<211> 25
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<213> Homo sapiens

<400> 333

Trp Ala Cys Ser His Ser Met Arg Tyr Phe Asp Thr Ala Val Ser Arg
1   5   10   15

Pro Gly Arg Gly Glu Pro Arg Phe Ile
            20   25

<210> 334
<211> 25
<212> PRT
<213> Homo sapiens

<400> 334

Trp Ala Cys Ser His Ser Met Arg Tyr Phe Asp Thr Ser Val Ser Arg
1   5   10   15

Pro Gly Arg Gly Glu Pro Arg Phe Ile
            20   25

<210> 335
<211> 17
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<400> 335

Phe Arg Asn Gln Lys Gly His Ser Gly Leu Gln Pro Thr Gly Asn Thr
1   5   10   15

Phe

<210> 336
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<213> Homo sapiens

<400> 336

Phe Arg Asn Gln Lys Gly His Ser Gly Leu Gln Pro Arg Gly Asn Thr
1   5   10   15

Phe

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

<400> 337

Phe Arg Asn Gln Lys Gly His Ser Gly Leu Gln Pro Thr Gly Phe Leu
1   5   10   15

Ser

<210> 338
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<213> Homo sapiens

<400> 338

Phe Arg Asn Gln Lys Gly His Ser Gly Leu Gln Pro Arg Gly Phe Leu
1   5   10   15

Ser

<210> 339
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<213> Homo sapiens

<400> 339

Gly Ala Ile Lys Ala Asp His Val Ser Thr Tyr Ala Ala Phe Val Gln
1   5   10   15

Thr His Arg Pro Thr Gly Glu Phe Met
            20   25

<210> 340
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<213> Homo sapiens

<400> 340

Gly Ala Ile Lys Ala Asp His Val Ser Thr Tyr Ala Val Phe Val Gln
1   5   10   15

Thr His Arg Pro Thr Gly Glu Phe Met
20 25

<210> 341
<211> 25
<212> PRT
<213> Homo sapiens

<400> 341

Gly Ala Ile Lys Ala Asp His Val Ser Thr Tyr Ala Ala Phe Val Gln
1 5 10 15

Thr His Arg Pro Thr Gly Glu Phe Met
20 25

<210> 342
<211> 25
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<400> 342

Gly Ala Ile Lys Ala Asp His Val Ser Thr Tyr Ala Thr Phe Val Gln
1 5 10 15

Thr His Arg Pro Thr Gly Glu Phe Met
20 25

<210> 343
<211> 15
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<400> 343

Ala Phe Thr Leu Leu Leu Tyr Cys Glu Leu Leu Gln Trp Glu Asp
1 5 10 15

<210> 344
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<213> Homo sapiens

<400> 344

Ala Phe Thr Met Leu Leu Tyr Cys Glu Leu Leu Gln Trp Glu Asp
1   5   10   15

<210> 345
<211> 16
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<213> Homo sapiens

<400> 345

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

<210> 346
<211> 16
<212> PRT
<213> Homo sapiens

<400> 346

Thr Ile Tyr Ser Leu Phe Tyr Ser Val Ala Asp Gln Asp Ala Pro Ala
1   5   10   15

<210> 347
<211> 12
<212> PRT
<213> Homo sapiens

<400> 347

Phe Lys Gln Asp Leu Met Ile Glu Asp Asn Leu Leu
1   5   10

<210> 348
<211> 12
<212> PRT
<213> Homo sapiens

<400> 348

Phe Lys Gln Asp Leu Met Leu Glu Asp Asn Leu Leu
1   5   10

<210> 349
<211> 14
<212> PRT
<213> Homo sapiens

<400> 349

Gln Asp Leu Met Ile Glu Asp Asn Leu Leu Lys Leu Glu Val
1   5   10

<210> 350
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<400> 350

Gln Asp Leu Met Leu Glu Asp Asn Leu Leu Lys Leu Glu Val
1   5   10

<210> 351
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<400> 351

Gly Leu Leu Arg Asp Trp Arg Thr Glu Arg Leu Phe
1   5   10

<210> 352
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Gly Leu Leu Arg Tyr Trp Arg Thr Glu Arg Leu Phe
1   5   10

<210> 353
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<400> 353

Ile Leu Phe Ser Leu Gln Pro Gly Leu Leu Arg Asp Trp
1 5 10

<210> 354
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<400> 354

Ile Leu Phe Ser Leu Gln Pro Gly Leu Leu Arg Tyr Trp
1 5 10

<210> 355
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<212> PRT
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<400> 355

Asn Val Ser Phe Phe His Tyr Pro Glu Tyr Gly Tyr
1 5 10

<210> 356
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<400> 356

Asn Val Ser Phe Phe His Tyr Gln Glu Tyr Gly Tyr
1 5 10

<210> 357
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<212> PRT
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<400> 357

Glu Phe Pro Val Arg Gln Ala Ala Ala Ile Tyr Leu Lys
1 5 10

<210> 358
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<400> 358

Glu Phe Pro Val Leu Gln Ala Ala Ala Ile Tyr Leu Lys
1   5   10

<210> 359
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<400> 359

Ile Asn Phe Lys Ile Glu Arg Gly Gln Leu Leu Ala Val
1   5   10

<210> 360
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Ile Asn Phe Lys Ile Glu Arg Gly Gln Leu Ala Val
1   5   10

<210> 361
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<400> 361

Gly Ala Ile Val Ile Glu Arg Pro Asn Val Lys Trp Ser
1   5   10

<210> 362
<211> 13
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<400> 362

Gly Ala Ile Val Ile Glu Leu Pro Asn Val Lys Trp Ser
1 5 10

<210> 363
<211> 14
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<400> 363

Leu Asn Lys Val Thr Ile Asp Ala Arg His Arg Leu Pro Leu
1 5 10

<210> 364
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Leu Asn Lys Val Thr Ile Asp Ala Ile His Arg Leu Pro Leu
1 5 10

<210> 365
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<400> 365

Asp Phe Gly Phe Ala Arg Thr Leu Ala Ala Pro Gly Asp Ile
1 5 10

<210> 366
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<400> 366

Asp Phe Gly Phe Ala Leu Thr Leu Ala Ala Pro Gly Asp Ile
1 5 10

<210> 367

<211> 14
<212> PRT
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<400> 367

Leu Glu Leu Met Asn Lys Leu Leu Ser Pro Val Val Pro Gln
1 5 10

<210> 368
<211> 14
<212> PRT
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<400> 368

Leu Glu Leu Ile Asn Lys Leu Leu Ser Pro Val Val Pro Gln
1 5 10

<210> 369
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<400> 369

Ile Glu Glu Leu Arg His Leu Trp Asp Leu Leu Leu Glu Leu Thr Leu
1 5 10 15

<210> 370
<211> 16
<212> PRT
<213> Homo sapiens

<400> 370

Ile Glu Glu Leu His His Leu Trp Asp Leu Leu Leu Glu Leu Thr Leu
1 5 10 15

<210> 371
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<213> Homo sapiens

<400> 371

Pro Leu Ser Gln Glu Ser Glu Val Glu Glu Pro Leu Ser Gln Glu
1 5 10 15

<210> 372
<211> 15
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<400> 372

Pro Leu Ser Gln Glu Ser Glu Met Glu Glu Pro Leu Ser Gln Glu
1 5 10 15

<210> 373
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<400> 373

Gly Phe Gln Thr Leu Thr Pro Glu Ser Ser Cys Leu Arg Glu Asp
1 5 10 15

<210> 374
<211> 15
<212> PRT
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<400> 374

Gly Phe Gln Thr Leu Thr Pro Asp Ser Ser Cys Leu Arg Glu Asp
1 5 10 15

<210> 375
<211> 15
<212> PRT
<213> Homo sapiens

<400> 375

Glu Pro Phe Thr Thr Leu His Ile Gln Leu Gln Ser Gly Arg Phe
1 5 10 15

<210> 376
<211> 15

<212> PRT
<213> Homo sapiens

<400> 376

Glu Pro Phe Thr Thr Leu His Thr Gln Leu Gln Ser Gly Arg Phe
1   5   10   15

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

<400> 377

Asp Asp Leu Ser Arg Gln Asp Asp Asn Asp Pro Pro Lys Glu Tyr
1   5   10   15

<210> 378
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<400> 378

Asp Asp Leu Ser Arg Gln Asp Gly Asn Asp Pro Pro Lys Glu Tyr
1   5   10   15

<210> 379
<211> 15
<212> PRT
<213> Homo sapiens

<400> 379

Phe Ile Val Glu Gln Thr Val His Ala Glu Glu Gly Ile Pro Met
1   5   10   15

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

<400> 380

Ile Val Glu Gln Thr Val Gln Ala Glu Glu Gly Ile Pro Met

1 5 10

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