SEQUENCE LISTING

<110> Agency for Science, Technology and Research

<120> EPIGENOMIC PROFILING REVEALS THE SOMATIC PROMOTER LANDSCAPE OF PRIMARY GASTRIC ADENOCARCINOMA

<130> 9869SG4275

<160> 2068

<170> PatentIn version 3.5

<210> 1
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1
Ile Asp Asn Ser Gln Val Glu Ser Gly Ser Leu Glu Asp Asp Trp Asp
1 5 10 15

Phe Leu Pro Pro Lys Lys
20

<210> 2
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2
Phe Tyr Ala Leu Ser Ala Ser Phe Glu Pro Phe Ser Asn Lys
1 5 10

<210> 3
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 3
Glu Gln Phe Leu Asp Gly Asp Gly Trp Thr Ser Arg
1   5   10

<210> 4
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 4
Ile Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1   5   10   15

<210> 5
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

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

<210> 6
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 6
Gly Ile Ser Leu Asn Pro Glu Gln Trp Ser Gln Leu Lys
1   5   10

<210> 7
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 7
Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp Asn
1   5   10   15

Lys

<210> 8
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 8
Ile Ala Val Gln Pro Gly Thr Val Gly Pro Gln Gly Arg
1   5   10

<210> 9
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 9
Val Leu Ala Gln Asn Ser Gly Phe Asp Leu Gln Glu Thr Leu Val Lys
1   5   10   15

<210> 10
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 10
Cys Lys Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val Arg Pro
1   5   10   15

Asp Asn Thr Tyr Glu Val Lys
            20

<210> 11
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 11
Ala Lys Ile Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys
1   5   10   15

Pro Glu His Ile Pro Asp Pro Asp Ala Lys
            20   25

<210> 12
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 12
Val His Val Ile Phe Asn Tyr Lys
1   5

<210> 13
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 13
His Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val Lys

1 5 10

<210> 14
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 14
Leu Ile Asp Phe Gly Leu Ala Arg
1 5

<210> 15
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 15
Thr Trp Lys Pro Thr Leu Val Ile Leu Arg
1 5 10

<210> 16
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 16
Ala Ile Trp Asn Val Ile Asn Trp Glu Asn Val Thr Glu Arg
1 5 10

<210> 17
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 17
Ile Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu
1   5   10   15

His Ile Pro Asp Pro Asp Ala Lys
            20

<210> 18
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 18
Asn Val Arg Pro Asp Tyr Leu Lys
1   5

<210> 19
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 19
Asn Ser Val Ser Gln Ile Ser Val Leu Ser Gly Gly Lys
1   5   10

<210> 20
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 20
Asp Gly Asn Val Leu Leu His Glu Met Gln Ile Gln His Pro Thr Ala

1 5 10 15

Ser Leu Ile Ala Lys
20

<210> 21
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 21
Ala Gly Ala Thr His Val Glu Arg
1 5

<210> 22
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 22
Leu Val Ala Leu Leu Asn Thr Leu Asp Arg
1 5 10

<210> 23
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 23
His His Ala Ala Tyr Val Asn Asn Leu Asn Val Thr Glu Glu Lys
1 5 10 15

<210> 24
<211> 18

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   24
Phe Tyr Gly Asp Glu Glu Lys Asp Lys Gly Leu Gln Thr Ser Gln Asp
1   5   10   15

Ala Arg

<210> 25
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   25
Lys Val His Val Ile Phe Asn Tyr Lys
1   5

<210> 26
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   26
Gly Pro Leu Pro Ala Ala Pro Pro Val Ala Pro Glu Arg
1   5   10

<210> 27
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 27
Val Leu Leu Ser Ala Leu Glu Arg
1   5

<210> 28
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 28
Ser Val Ser Ile Gly Tyr Leu Leu Val Lys
1   5   10

<210> 29
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 29
Ile Gln Gln Glu Ile Ala Val Gln Asn Pro Leu Val Ser Glu Arg
1   5   10   15

<210> 30
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 30
Gly Glu Leu Leu Glu Ala Ile Lys Arg
1   5

<210> 31
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   31
Ala His Asn Gln Asp Leu Gly Leu Ala Gly Ser Cys Leu Ala Arg
1   5   10   15

<210> 32
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   32
Tyr Val Val Val Thr Gly Ile Thr Pro Thr Pro Leu Gly Glu Gly Lys
1   5   10   15

<210> 33
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   33
Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro
1   5   10   15

Pro Arg Pro Gln Pro Ala Phe Lys
            20

<210> 34
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 34
Ala Ala Gln Ala Pro Ser Ser Phe Gln Leu Leu Tyr Asp Leu Lys
1   5   10   15

<210> 35
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 35
Leu Gln Ala Gln Leu Asn Glu Leu Gln Ala Gln Leu Ser Gln Lys
1   5   10   15

<210> 36
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 36
Ala Leu Gln Phe Leu Glu Glu Val Lys
1   5

<210> 37
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 37
Leu Leu Thr Ser Gly Tyr Leu Gln Arg
1   5

<210> 38
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 38
Gly Asp Leu Asn Asp Cys Phe Ile Pro Cys Thr Pro Lys
1   5   10

<210> 39
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 39
Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu
1   5   10   15

His Lys

<210> 40
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 40
Glu Ala Val Thr Glu Ile Leu Gly Ile Glu Pro Asp Arg Glu Lys
1   5   10   15

<210> 41
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 41
Glu Val Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys
1   5   10

<210> 42
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 42
Ile Ile Thr Glu Gly Phe Glu Ala Ala Lys
1   5   10

<210> 43
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 43
Tyr Leu Asn Ile Phe Gly Glu Ser Gln Pro Asn Pro Lys
1   5   10

<210> 44
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 44
Leu Thr Ala Ala Ser Val Gly Val Gln Gly Ser Gly Trp Gly Trp Leu
1   5   10   15

Gly Phe Asn Lys
            20

<210> 45
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 45
Ile Ala Pro Leu Glu Glu Gly Thr Leu Pro Phe Asn Leu Ala Glu Ala
1   5   10   15

Gln Arg

<210> 46
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 46
Gly Gln Thr Leu Val Val Gln Phe Thr Val Lys
1   5   10

<210> 47
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 47
Ala Gln Leu Gly Val Gln Ala Phe Ala Asp Ala Leu Leu Ile Ile Pro
1   5   10   15

Lys

<210> 48
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   48
Gln Val Ala Pro Glu Lys Pro Val Lys
1   5

<210> 49
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   49
Val Ala Thr Ala Gln Asp Asp Ile Thr Gly Asp Gly Thr Thr Ser Asn
1   5   10   15

Val Leu Ile Ile Gly Glu Leu Leu Lys
            20   25

<210> 50
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   50
Gly Leu Leu Pro Gln Leu Leu Gly Val Ala Pro Glu Lys
1   5   10

<210> 51
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 51
Asn Ala Tyr Val Trp Thr Leu Lys
1   5

<210> 52
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 52
Ile Tyr Gly Ala Asp Asp Ile Glu Leu Leu Pro Glu Ala Gln His Lys
1   5   10   15

<210> 53
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 53
Cys His Ala Ile Ile Asp Glu Gln Pro Leu Ile Phe Lys
1   5   10

<210> 54
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 54
Lys Gly Ile Ser Leu Asn Pro Glu Gln Trp Ser Gln Leu Lys
1   5   10

<210> 55
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   55
Gly Ile Asp Pro Phe Ser Leu Asp Ala Leu Ser Lys
1   5   10

<210> 56
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   56
Leu Leu Gln Cys Tyr Pro Pro Pro Glu Asp Ala Ala Val Lys
1   5   10

<210> 57
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   57
Gly Val Pro Thr Gly Phe Ile Leu Pro Ile Arg
1   5   10

<210> 58
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   58
Ile Val Thr Cys Gly Thr Asp Arg

1 5

<210> 59
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 59
Thr Pro Val Pro Ser Asp Ile Asp Ile Ser Arg
1 5 10

<210> 60
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 60
Tyr Gln Glu Ala Leu Ala Lys
1 5

<210> 61
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 61
Val Ala Trp Val Ser His Asp Ser Thr Val Cys Leu Ala Asp Ala Asp
1 5 10 15

Lys Lys

<210> 62
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   62
Leu Asp Ile Asp Pro Glu Thr Ile Thr Trp Gln Arg
1   5   10

<210> 63
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   63
Ile Asp Asn Ser Gln Val Glu Ser Gly Ser Leu Glu Asp Asp Trp Asp
1   5   10   15

Phe Leu Pro Pro Lys
            20

<210> 64
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   64
Leu Ala Ile Leu Gln Val Gly Asn Arg
1   5

<210> 65
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 65
Ala Gln Ala Ala Leu Ala Val Asn Ile Ser Ala Ala Arg
1   5   10

<210> 66
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 66
Gly Ala Leu Ala Leu Ala Gln Ala Val Gln Arg
1   5   10

<210> 67
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 67
Thr Asp Pro Thr Thr Leu Thr Asp Glu Glu Ile Asn Arg
1   5   10

<210> 68
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 68
Leu Glu Leu Ser Val Leu Tyr Lys
1   5

<210> 69
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 69
Gly Leu Asp Gly Tyr Gln Gly Pro Asp Gly Pro Arg
1   5   10

<210> 70
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 70
Leu Ser Gly Leu Glu Gln Pro Gln Gly Ala Leu Gln Thr Arg
1   5   10

<210> 71
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 71
Ser Cys Gln Thr Ala Leu Val Glu Ile Leu Asp Val Ile Val Arg
1   5   10   15

<210> 72
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 72
Asp Asp Asn Met Phe Gln Ile Gly Lys

1 5

<210> 73
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 73
Glu His Asn Gly Gln Val Thr Gly Ile Asp Trp Ala Pro Glu Ser Asn
1 5 10 15

Arg

<210> 74
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 74
Lys Ile Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1 5 10 15

<210> 75
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 75
Met Phe Gly Ile Pro Val Val Val Ala Val Asn Ala Phe Lys
1 5 10

<210> 76
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   76
Phe Phe Glu His Phe Ile Glu Gly Gly Arg
1   5   10

<210> 77
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   77
Ile Phe His Glu Leu Thr Gln Thr Asp Lys
1   5   10

<210> 78
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   78
Phe Ile Asn Leu Phe Pro Glu Thr Lys
1   5

<210> 79
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   79
Phe Tyr Gly Asp Glu Glu Lys Asp Lys

1 5

<210> 80
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 80
Phe Asn Gly Gly Gly His Ile Asn His Ser Ile Phe Trp Thr Asn Leu
1 5 10 15

Ser Pro Asn Gly Gly Gly Glu Pro Lys
20 25

<210> 81
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 81
Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1 5 10

<210> 82
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 82
Leu Gly Ser Pro Asp Tyr Gly Asn Ser Ala Leu Leu Ser Leu Pro Gly
1 5 10 15

Tyr Arg Pro Thr Thr Arg
20

<210> 83
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 83
Ala Ser Gly Asp Ser Ala Arg Pro Val Leu Leu Gln Val Ala Glu Ser
1   5   10   15

Ala Tyr Arg

<210> 84
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 84
Thr Asp Thr Glu Ser Glu Leu Asp Leu Ile Ser Arg
1   5   10

<210> 85
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 85
Leu Asp Phe Val Cys Ser Phe Leu Gln Lys
1   5   10

<210> 86
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 86
Trp Ile Asp Glu Thr Pro Pro Val Asp Gln Pro Ser Arg
1   5   10

<210> 87
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 87
Gly Leu Leu Gly Ala Leu Thr Ser Thr Pro Tyr Ser Pro Thr Gln His
1   5   10   15

Leu Glu Arg

<210> 88
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 88
Lys Pro Glu Asp Trp Asp Glu Glu Met Asp Gly Glu Trp Glu Pro Pro
1   5   10   15

Val Ile Gln Asn Pro Glu Tyr Lys
            20

<210> 89
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 89
Phe Ser Asp Ile Gln Ile Arg
1   5

<210> 90
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 90
Ser Thr Ser Phe Asn Val Gln Asp Leu Leu Pro Asp His Glu Tyr Lys
1   5   10   15

<210> 91
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 91
Gly Glu Gln Gly Phe Met Gly Asn Thr Gly Pro Thr Gly Ala Val Gly
1   5   10   15

Asp Arg

<210> 92
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 92
Gln Pro Ser Gln Gly Pro Thr Phe Gly Ile Lys
1   5   10

<210> 93
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 93
Thr His Leu Ser Leu Ser His Asn Pro Glu Gln Lys
1   5   10

<210> 94
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 94
Ala Pro Val Pro Ser Thr Cys Ser Ser Thr Phe Pro Glu Glu Leu Ser
1   5   10   15

Pro Pro Ser His Gln Ala Lys
            20

<210> 95
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 95
Gly Glu Gly Gly Thr Thr Asn Pro His Ile Phe Pro Glu Gly Ser Glu
1   5   10   15

Pro Lys

<210> 96
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 96
Thr Ala Leu Ala Glu Ala Glu Leu Glu Tyr Asn Pro Glu His Val Ser
1   5   10   15

Arg

<210> 97
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 97
Phe Pro Leu Leu Lys Pro Ser Pro Lys
1   5

<210> 98
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 98
Asp Gln Ala Ala Asn Leu Met Ala Asn Arg
1   5   10

<210> 99
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 99
His Leu Thr Ala Gln Val Arg
1   5

<210> 100
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 100
Phe Val Leu Ser Ser Gly Lys
1   5

<210> 101
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 101
Ser Ser Leu Pro Pro Val Leu Gly Thr Glu Ser Asp Ala Thr Val Lys
1   5   10   15

<210> 102
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 102
Ala Trp Gly Ala Val Val Pro Leu Val Gly Lys
1   5   10

<210> 103
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 103
Ile Glu Gly Tyr Pro Asp Pro Glu Val Val Trp Phe Lys
1   5   10

<210> 104
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 104
Gly Lys Asn Val Leu Ile Asn Lys
1   5

<210> 105
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 105
Gly Leu Gln Thr Ser Gln Asp Ala Arg
1   5

<210> 106
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 106
His Thr Leu Thr Gln Ile Lys

1 5

<210> 107
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 107
Val His Ala Glu Leu Ala Asp Val Leu Thr Glu Ala Val Val Asp Ser
1 5 10 15

Ile Leu Ala Ile Lys
20

<210> 108
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 108
Tyr Val Ile His Thr Val Gly Pro Ile Ala Tyr Gly Glu Pro Ser Ala
1 5 10 15

Ser Gln Ala Ala Glu Leu Arg
20

<210> 109
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 109
Ile Gln Ser Ser His Asn Phe Gln Leu Glu Ser Val Asn Lys
1 5 10

<210> 110
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 110
Gln Ile Asp Asn Pro Asp Tyr Lys
1 5

<210> 111
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 111
Asp Ala Glu Gly Ile Leu Glu Asp Leu Gln Ser Tyr Arg
1 5 10

<210> 112
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 112
Tyr Thr Ala Glu Ser Ser Asp Thr Leu Cys Pro Arg
1 5 10

<210> 113
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 113
Glu Glu Ser Arg Glu Pro Ala Pro Ala Ser Pro Ala Pro Ala Gly Val
1   5   10   15

Glu Ile Arg

<210> 114
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 114
Glu Met Asp Arg Glu Thr Leu Ile Asp Val Ala Arg
1   5   10

<210> 115
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 115
Asn Glu Val Ser Phe Val Ile His Asn Leu Pro Val Leu Ala Lys
1   5   10   15

<210> 116
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 116
Gln Val Ala Pro Glu Lys Pro Val Lys Lys
1   5   10

<210> 117
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 117
Phe Leu Ile Asn Leu Glu Gly Gly Asp Ile Arg
1   5   10

<210> 118
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 118
Leu Ser Val Asn Ser Val Thr Ala Gly Asp Tyr Ser Arg
1   5   10

<210> 119
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 119
Gln Ala Gln Val Asn Leu Thr Val Val Asp Lys Pro Asp Pro Pro Ala
1   5   10   15

Gly Thr Pro Cys Ala Ser Asp Ile Arg
            20   25

<210> 120
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 120
Ile Phe Asp Asp Val Ser Ser Gly Val Ser Gln Leu Ala Ser Lys
1   5   10   15

<210> 121
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 121
Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1   5   10

<210> 122
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 122
Tyr Gly Gly Ala Pro Gln Ala Leu Thr Leu Lys
1   5   10

<210> 123
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 123
Leu Val Thr Pro Gly Glu Thr Pro Ser Trp Thr Gly Ser Gly Phe Val
1   5   10   15

Arg

<210> 124
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 124
Glu Gln Ile Ser Asp Ile Asp Asp Ala Val Arg
1 5 10

<210> 125
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 125
Lys Pro Ala Ala Gly Leu Ser Ala Ala Pro Val Pro Thr Ala Pro Ala
1 5 10 15

Ala Gly Ala Pro Leu Met Asp Phe Gly Asn Asp Phe Val Pro Pro Ala
            20 25 30

Pro Arg

<210> 126
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 126
Ala Thr Ser Ser Thr Gln Ser Leu Ala Arg
1 5 10

<210> 127
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 127
Leu Leu Val Pro Thr Gln Phe Val Gly Ala Ile Ile Gly Lys
1 5 10

<210> 128
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 128
Gly Glu Leu Leu Glu Ala Ile Lys
1 5

<210> 129
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 129
Phe Phe Gln Pro Thr Glu Met Ala Ala Gln Asp Phe Phe Gln Arg
1 5 10 15

<210> 130
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 130
Gly Ser Gly Ser Arg Pro Gly Ile Glu Gly Asp Thr Pro Arg
1   5   10

<210> 131
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 131
Asn Ala Ile Asp Asp Gly Cys Val Val Pro Gly Ala Gly Ala Val Glu
1   5   10   15

Val Ala Met Ala Glu Ala Leu Ile Lys
            20   25

<210> 132
<211> 35
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 132
Ala Ala Ala Ala Ala Ala Val Gly Pro Gly Ala Gly Gly Ala Gly Ser
1   5   10   15

Ala Val Pro Gly Gly Ala Gly Pro Cys Ala Thr Val Ser Val Phe Pro
            20   25   30

Gly Ala Arg
        35

<210> 133
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 133
Asp Phe Leu Thr Pro Pro Leu Leu Ser Val Arg
1   5   10

<210> 134
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 134
Leu Phe Val Val Pro Ala Asp Glu Ala Gln Ala Arg
1   5   10

<210> 135
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 135
Trp Met Ile Gln Tyr Asn Asn Leu Asn Leu Lys
1   5   10

<210> 136
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 136
Ser Leu Pro Ile Ser Leu Val Phe Leu Val Pro Val Arg
1   5   10

<210> 137
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 137
Ala Leu Gln Val Gly Cys Leu Leu Arg
1   5

<210> 138
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 138
Glu Ser Phe Asn Pro Glu Ser Tyr Glu Leu Asp Lys
1   5   10

<210> 139
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 139
Thr Gly Trp Ile Ser Thr Ser Ser Ile Trp Lys
1   5   10

<210> 140
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 140
Glu Tyr Ala Glu Asp Asp Asn Ile Tyr Gln Gln Lys

1 5 10

<210> 141
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 141
Thr Gln Ile Ala Ile Cys Pro Asn Asn His Glu Val His Ile Tyr Glu
1 5 10 15

Lys

<210> 142
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 142
Ser Leu Glu Ala Gln Val Ala His Ala Asp Gln Gln Leu Arg
1 5 10

<210> 143
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 143
Ser Val Thr Leu Leu Ile Lys
1 5

<210> 144
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 144
Ile His Phe Val Pro Gly Trp Asp Cys His Gly Leu Pro Ile Glu Ile
1   5   10   15

Lys

<210> 145
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 145
Gln Gln Pro Asp Thr Glu Leu Glu Ile Gln Gln Lys
1   5   10

<210> 146
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 146
Lys Gly Glu Pro Val Ser Ala Glu Asp Leu Gly Val Ser Gly Ala Leu
1   5   10   15

Thr Val Leu Met Lys
            20

<210> 147
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 147
Leu Gly Ile Gly Met Asp Thr Cys Val Ile Pro Leu Arg
1   5   10

<210> 148
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 148
Gln Pro Ser Trp Asp Pro Ser Pro Val Ser Ser Thr Val Pro Ala Pro
1   5   10   15

Ser Pro Leu Ser Ala Ala Ala Val Ser Pro Ser Lys
            20   25

<210> 149
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 149
Gln Ile Ser Glu Gly Val Glu Tyr Ile His Lys
1   5   10

<210> 150
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 150
Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His Lys

1 5 10 15

<210> 151
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 151
Pro Thr Gly Phe Ile Leu Pro Ile Arg
1 5

<210> 152
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 152
Ser Gln Ala Gly Val Ser Ser Gly Ala Pro Pro Gly Arg
1 5 10

<210> 153
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 153
Val Cys Gly Asp Ser Asp Lys Gly Phe Val Val Ile Asn Gln Lys
1 5 10 15

<210> 154
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 154
Leu Gly Ile Val Gln Gly Ile Val Gly Ala Arg
1   5   10

<210> 155
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 155
Phe Leu Ser Leu Pro Glu Val Arg
1   5

<210> 156
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 156
Gly Leu Val Leu Asp His Gly Ala Arg
1   5

<210> 157
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 157
Leu Lys Asn Gln Val Thr Gln Leu Lys
1   5

<210> 158
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 158
Thr Ser Val Gln Phe Gln Asn Phe Ser Pro Thr Val Val His Pro Gly
1   5   10   15

Asp Leu Gln Thr Gln Leu Ala Val Gln Thr Lys
            20   25

<210> 159
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 159
Glu Pro Pro Tyr Gly Ala Asp Val Leu Arg
1   5   10

<210> 160
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 160
Ala Ala Gly Pro Leu Leu Thr Asp Glu Cys Arg
1   5   10

<210> 161
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 161
Ile Ile Glu Val Ala Pro Gln Val Ala Thr Gln Asn Val Asn Pro Thr
1   5   10   15

Pro Gly Ala Thr Ser
            20

<210> 162
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 162
Leu Phe Ser Gln Gly Gln Asp Val Ser Asn Lys
1   5   10

<210> 163
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 163
Val Ser Gly Pro Trp Glu Glu Ala Asp Ala Glu Ala Val Ala Arg
1   5   10   15

<210> 164
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 164
Val Thr Gly Thr Gln Pro Ile Thr Cys Thr Trp Met Lys

1 5 10

<210> 165
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 165
Val Leu Ile Asp Ile Arg
1 5

<210> 166
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 166
Ala Val Leu Glu Glu Gly Thr Asp Val Val Ile Lys
1 5 10

<210> 167
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 167
Gln Phe Ala Glu Ile Leu His Phe Thr Leu Arg
1 5 10

<210> 168
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 168
Ile Val Gly Ala Pro Met His Asp Leu Leu Leu Trp Asn Asn Ala Thr
1   5   10   15

Val Thr Thr Cys His Ser Lys
            20

<210> 169
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 169
Ala Tyr Ile Gln Glu Asn Leu Glu Leu Val Glu Lys
1   5   10

<210> 170
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 170
Glu Ile Gly Leu Leu Ser Glu Glu Val Glu Leu Tyr Gly Glu Thr Lys
1   5   10   15

<210> 171
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 171
Asp Ser Phe Leu Gly Ser Ile Pro Gly Lys

1 5 10

<210> 172
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 172
Gln Leu Asp Ala Leu Leu Glu Ala Leu Lys
1 5 10

<210> 173
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 173
Ile Ile Asp Glu Asp Phe Glu Leu Thr Glu Arg
1 5 10

<210> 174
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 174
Asp Thr Ile Asn Leu Leu Asp Gln Arg
1 5

<210> 175
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 175
Val Val Gln Ser Leu Glu Gln Thr Ala Arg
1   5   10

<210> 176
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 176
Asp Asp Ser Asn Leu Tyr Ile Asn Val Lys
1   5   10

<210> 177
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 177
Val Ser Gly Gln Pro Gln Ser Val Thr Ala Ser Ser Asp Lys
1   5   10

<210> 178
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 178
Glu Phe Cys Gln Gln Glu Val Glu Pro Met Cys Lys
1   5   10

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

<220>
<221>
<223>

<400> 179
Ala Gly Asn Ser Leu Ala Ala Ser Thr Ala Glu Glu Thr Ala Gly Ser
1   5   10   15

Ala Gln Gly Arg
            20

<210> 180
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 180
Glu Tyr Trp Met Asp Pro Glu Gly Glu Met Lys Pro Gly Arg
1   5   10

<210> 181
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 181
Leu Gln Ser Gln Leu Leu Ser Ile Glu Lys
1   5   10

<210> 182
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 182
Ala Gly Glu Ser Val Glu Leu Phe Gly Lys
1   5   10

<210> 183
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 183
Asn Gly Glu Phe Phe Met Ser Pro Asn Asp Phe Val Thr Arg
1   5   10

<210> 184
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 184
Val Val Val Gly Ala Pro Gln Glu Ile Val Ala Ala Asn Gln Arg
1   5   10   15

<210> 185
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 185
Ser Gln Ala Pro Leu Glu Ser Ser Leu Asp Ser Leu Gly Asp Val Phe
1   5   10   15

Leu Asp Ser Gly Arg Lys

20

<210> 186
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 186
Gly Cys Leu Glu Leu Ile Lys
1 5

<210> 187
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 187
His Ser Gln Thr Asp Gln Glu Pro Met Cys Pro Val Gly Met Asn Lys
1 5 10 15

<210> 188
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 188
Asn Pro Gln Val Cys Gly Pro Gly Arg
1 5

<210> 189
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 189
Ser Arg Gly Pro Gly Ala Pro Cys Gln Asp Val Asp Glu Cys Ala Arg
1   5   10   15

<210> 190
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 190
Thr Lys Asp Glu Tyr Leu Ile Asn Ser Gln Thr Thr Glu His Ile Val
1   5   10   15

Lys

<210> 191
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 191
Ile Ala Thr Thr Thr Ala Ser Ala Ala Thr Ala Ala Ala Ile Gly Ala
1   5   10   15

Thr Pro Arg

<210> 192
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 192
Leu Gly His Glu Leu Gln Gln Ala Gly Leu Lys
1   5   10

<210> 193
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 193
Thr Glu Val Pro Pro Leu Leu Leu Ile Leu Asp Arg
1   5   10

<210> 194
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 194
Tyr Gly Asp Glu Glu Lys Asp Lys
1   5

<210> 195
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 195
Ser Glu Ser Gln Gly Thr Ala Pro Ala Phe Lys
1   5   10

<210> 196
<211> 19

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 196
Leu Pro Gln Glu Pro Gly Arg Glu Gln Val Val Glu Asp Arg Pro Val
1   5   10   15

Gly Gly Arg

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

<220>
<221>
<223>

<400> 197
Leu Pro Tyr Gly Gly Gln Cys Arg Pro Cys Pro Cys Pro Glu Gly Pro
1   5   10   15

Gly Ser Gln Arg
            20

<210> 198
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 198
Val Tyr Leu Leu Tyr Arg Pro Gly His Tyr Asp Ile Leu Tyr Lys
1   5   10   15

<210> 199
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 199
Phe Gln Val Ala Thr Asp Ala Leu Lys
1   5

<210> 200
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 200
Leu Gln Glu Gly Gln Thr Leu Glu Phe Leu Val Ala Ser Val Pro Lys
1   5   10   15

<210> 201
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 201
Leu Gln Gly Ala Val Cys Gly Val Ser Ser Gly Pro Pro Pro Pro Arg
1   5   10   15

<210> 202
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 202
Ile Gln Asn Val Val Thr Ser Phe Ala Pro Gln Arg
1   5   10

<210> 203
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 203
Val Ser Thr Leu Gln Asn Gln Arg
1 5

<210> 204
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 204
Leu Ser Gln Leu Glu Glu His Leu Ser Gln Leu Gln Asp Asn Pro Pro
1 5 10 15

Gln Glu Lys

<210> 205
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 205
Ser Gln Ala Pro Leu Glu Ser Ser Leu Asp Ser Leu Gly Asp Val Phe
1 5 10 15

Leu Asp Ser Gly Arg
20

<210> 206
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 206
Ala Gly Pro Asp Leu Ala Ser Cys Leu Asp Val Asp Glu Cys Arg
1   5   10   15

<210> 207
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 207
Gly Thr Cys His Tyr Tyr Ala Asn Lys
1   5

<210> 208
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 208
His Lys Ser Glu Thr Asp Thr Ser Leu Ile Arg
1   5   10

<210> 209
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 209
Lys Gln Gln Asn Gln Glu Leu Gln Glu Gln Leu Arg

1 5 10

<210> 210
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 210
Ser Gly Asp Leu Tyr Val Leu Ala Ala Asp Lys
1 5 10

<210> 211
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 211
Ala Phe Gly Phe Ser His Leu Glu Ala Leu Leu Asp Asp Ser Lys
1 5 10 15

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

<220>
<221>
<223>

<400> 212
Glu Ile Leu Thr Leu Leu Gln Gly Val His Gln Gly Ala Gly Phe Gln
1 5 10 15

Asp Ile Pro Lys
20

<210> 213
<211> 20

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   213
Ile Gln Gln Cys Pro Gly Thr Glu Thr Ala Glu Tyr Gln Ser Leu Cys
1   5   10   15

Pro His Gly Arg
            20

<210> 214
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   214
Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1   5   10

<210> 215
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   215
Ser Tyr Trp Leu Ser Thr Thr Ala Pro Leu Pro Met Met Pro Val Ala
1   5   10   15

Glu Asp Glu Ile Lys Pro Tyr Ile Ser Arg
            20   25

<210> 216
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 216
Val Pro Gln Asp Val Leu Gln Lys
1   5

<210> 217
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 217
Asp Phe Gly Ser Phe Asp Lys Phe Lys
1   5

<210> 218
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 218
Phe Ile Ile Leu Ser Gln Glu Gly Ser Leu Cys Ser Val Ser Ile Glu
1   5   10   15

Lys

<210> 219
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 219
Leu Ala Val Ala Thr Phe Ala Gly Ile Glu Asn Lys

1 5 10

<210> 220
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 220
Arg Leu Glu Asn Ala Gly Ser Leu Lys
1 5

<210> 221
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 221
Ala Ala Met Pro Pro Gln Ile Ile Gln Phe Pro Glu Asp Gln Lys
1 5 10 15

<210> 222
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 222
Glu Ala Gln Asn Leu Ser Ala Met Glu Ile Arg
1 5 10

<210> 223
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 223
Ile Leu Val Ala Gly Asp Ser Met Asp Ser Val Lys
1   5   10

<210> 224
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 224
Leu Val His Ser Tyr Pro Tyr Asp Trp Arg
1   5   10

<210> 225
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 225
Ala Glu Ala Gly Asp Ala Ala Leu Ser Val Ala Glu Trp Leu Arg
1   5   10   15

<210> 226
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 226
Glu Leu Ser Asn Phe Tyr Phe Ser Ile Ile Lys
1   5   10

<210> 227
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 227
Ala Glu Ala Ala Ala Pro Tyr Thr Val Leu Ala Gln Ser Ala Pro Arg
1 5 10 15

<210> 228
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 228
Gly Pro Gly Ala Pro Cys Gln Asp Val Asp Glu Cys Ala Arg
1 5 10

<210> 229
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 229
Val Ser Asp Phe Tyr Asp Ile Glu Glu Arg
1 5 10

<210> 230
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 230
Asn Asn Asp Phe Tyr Val Thr Gly Glu Ser Tyr Ala Gly Lys
1   5   10

<210> 231
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 231
Gln Pro Val Val Asp Thr Phe Asp Ile Arg
1   5   10

<210> 232
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 232
Gln Gln Leu Gln Ala Leu Ser Glu Pro Gln Pro Arg
1   5   10

<210> 233
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 233
Ala Pro Ala Glu Ile Leu Asn Gly Lys Glu Ile Ser Ala Gln Ile Arg
1   5   10   15

<210> 234
<211> 18

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 234
Lys Leu Asp Val Glu Glu Pro Asp Ser Ala Asn Ser Ser Phe Tyr Ser
1   5   10   15

Thr Arg

<210> 235
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 235
Gln Pro Pro Pro Asp Ser Ser Glu Glu Ala Pro Pro Ala Thr Gln Asn
1   5   10   15

Phe Ile Ile Pro Lys
            20

<210> 236
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 236
Ser Leu Ala Asp Val Asp Ala Ile Leu Ala Arg
1   5   10

<210> 237
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 237
Thr Gly Gly Ser Ala Gln Pro Glu Thr Pro Tyr Ser Gly Pro Gly Leu
1   5   10   15

Leu Ile Asp Ser Leu Val Leu Leu Pro Arg
            20   25

<210> 238
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 238
Cys Asp Leu Cys Gln Glu Val Leu Ala Asp Ile Gly Phe Val Lys
1   5   10   15

<210> 239
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 239
Phe Ile Ala Gly Thr Gly Cys Leu Val Arg
1   5   10

<210> 240
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 240
His His Ala Ala Tyr Val Asn Asn Leu Asn Val Thr Glu Glu Lys Tyr

1 5 10 15

Gln Glu Ala Leu Ala Lys
20

<210> 241
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 241
Gln Gly Ile Val His Leu Asp Leu Lys Pro Glu Asn Ile Met Cys Val
1 5 10 15

Asn Lys

<210> 242
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 242
Thr Leu Gly Asp Gln Leu Ser Leu Leu Leu Gly Ala Arg
1 5 10

<210> 243
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 243
Cys Thr His Trp Ala Glu Gly Gly Lys
1 5

<210> 244
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 244
Phe Gly Leu Tyr Leu Pro Leu Phe Lys Pro Ser Val Ser Thr Ser Lys
1 5 10 15

<210> 245
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 245
Gly Ser Cys Tyr Pro Ala Thr Gly Asp Leu Leu Val Gly Arg
1 5 10

<210> 246
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 246
Val Met Pro Leu Ile Ile Gln Gly Phe Lys
1 5 10

<210> 247
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 247
Thr Pro Leu Trp Ile Gly Leu Ala Gly Glu Glu Gly Ser Arg
1   5   10

<210> 248
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 248
Thr Gln Pro Asp Gly Thr Ser Val Pro Gly Glu Pro Ala Ser Pro Ile
1   5   10   15

Ser Gln Arg

<210> 249
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 249
Val Trp Gly Val Pro Ile Pro Val Phe His His Lys
1   5   10

<210> 250
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 250
Ala Leu Leu Asn Val Val Asp Asn Ala Arg
1   5   10

<210> 251
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 251
Gly Gly Thr Thr Asn Pro His Ile Phe Pro Glu Gly Ser Glu Pro Lys
1 5 10 15

<210> 252
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 252
Tyr Thr Val Asn Phe Leu Glu Ala Lys
1 5

<210> 253
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 253
Ala Thr Ile Gln Gly Val Leu Arg
1 5

<210> 254
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 254
Gly Pro Leu Gly Asp Gln Tyr Gln Thr Val Lys
1   5   10

<210> 255
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 255
Val Ala Ala Gln Val Asp Gly Gly Ala Gln Val Gln Gln Val Leu Asn
1   5   10   15

Ile Glu Cys Leu Arg
            20

<210> 256
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 256
Phe Thr Pro Val Val Cys Gly Leu Arg
1   5

<210> 257
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 257
Leu Phe Pro Asn Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu
1   5   10   15

Tyr Asn Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys

20 25 30

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

<220>
<221>
<223>

<400> 258
Thr Ile Leu Leu Ser Thr Thr Asp Pro Ala Asp Phe Ala Val Ala Glu
1 5 10 15

Ala Leu Glu Lys
20

<210> 259
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 259
Leu Thr Tyr Leu Gly Cys Ala Ser Val Asn Ala Pro Arg
1 5 10

<210> 260
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 260
Ser Cys Tyr Leu Ser Ser Leu Asp Leu Leu Leu Glu His Arg
1 5 10

<210> 261
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   261
Val Val Ala Thr Thr Gln Met Gln Ala Ala Asp Ala Arg
1   5   10

<210> 262
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   262
Gly Val Gly Gly Ser Gln Pro Pro Asp Ile Asp Lys Thr Glu Leu Val
1   5   10   15

Glu Pro Thr Glu Tyr Leu Val Val His Leu Lys
            20   25

<210> 263
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   263
Lys Glu Ile His Thr Val Pro Asp Met Gly Lys
1   5   10

<210> 264
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 264
Leu Phe Thr Ala Leu Phe Pro Phe Glu Lys
1   5   10

<210> 265
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 265
Ser Leu Glu Ser Ala Leu Lys
1   5

<210> 266
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 266
Val Asp Asp Gln Ile Ala Ile Val Phe Lys
1   5   10

<210> 267
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 267
Val Leu Asp Pro Ala Ile Pro Ile Pro Asp Pro Tyr Ser Ser Arg
1   5   10   15

<210> 268
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   268
Ala Thr Pro Phe Ile Glu Cys Asn Gly Gly Arg
1   5   10

<210> 269
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   269
Cys Ser Val Cys Glu Ala Pro Ala Ile Ala Ile Ala Val His Ser Gln
1   5   10   15

Asp Val Ser Ile Pro His Cys Pro Ala Gly Trp Arg
            20   25

<210> 270
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   270
Glu Ala Gln Val Ala His Ala Asp Gln Gln Leu Arg
1   5   10

<210> 271
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 271
Glu Ile Ile Leu Asp Asp Asp Glu Cys Pro Leu Gln Ile Phe Arg
1   5   10   15

<210> 272
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 272
Thr Pro Ala Ala Ile Pro Ala Thr Pro Val Ala Val Ser Gln Pro Ile
1   5   10   15

Arg

<210> 273
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 273
Asp Leu Gly Phe Phe Gly Ile Tyr Lys
1   5

<210> 274
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 274
Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys
1   5   10

<210> 275
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 275
Tyr Val Gly Phe Gly Asn Thr Pro Pro Pro Gln Lys
1 5 10

<210> 276
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 276
Cys Leu Phe Gln Ser Pro Leu Phe Ala Lys
1 5 10

<210> 277
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 277
Ser Glu Thr Asp Thr Ser Leu Ile Arg
1 5

<210> 278
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 278
Ile Leu Glu Thr Trp Gly Glu Leu Leu Ser Lys
1   5   10

<210> 279
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 279
Tyr Ser Gly Leu Cys Pro His Val Val Val Leu Val Ala Thr Val Arg
1   5   10   15

<210> 280
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 280
Glu Asn Ser Leu Leu Phe Asp Pro Leu Ser Ser Ser Ser Ser Asn Lys
1   5   10   15

<210> 281
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 281
Ile Lys Asn Glu Ala Glu Pro Glu Phe Ala Ser Arg
1   5   10

<210> 282
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   282
Val Ser Ala Pro Asp Gly Pro Cys Pro Thr Gly Phe Glu Arg
1   5   10

<210> 283
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   283
Ala Gln Gly Ile Ala Gln Gly Ala Ile Arg
1   5   10

<210> 284
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   284
Lys Val Cys Gly Asp Ser Asp Lys Gly Phe Val Val Ile Asn Gln Lys
1   5   10   15

<210> 285
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   285
Leu Trp Ser Gly Tyr Ser Leu Leu Tyr Phe Glu Gly Gln Glu Lys

1 5 10 15

<210> 286
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 286
Val Pro Ile Trp Asp Gln Asp Ile Gln Phe Leu Pro Gly Ser Gln Lys
1 5 10 15

<210> 287
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 287
Tyr Leu Ser Tyr Thr Leu Asn Pro Asp Leu Ile Arg
1 5 10

<210> 288
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 288
Tyr Val Ile Gly Val Gly Asp Ala Phe Arg
1 5 10

<210> 289
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 289
Asp Leu Glu Val Val Glu Gly Ser Ala Ala Arg
1   5   10

<210> 290
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 290
Phe Ala Val Gly Ser Gly Ser Arg
1   5

<210> 291
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 291
Gly Phe Gly Gln Ser Val Val Gln Leu Gln Gly Ser Arg
1   5   10

<210> 292
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 292
Gly Leu Pro Gly Glu Val Leu Gly Ala Gln Pro Gly Pro Arg
1   5   10

<210> 293
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 293
Leu Ala Glu Thr Leu Gly Arg
1 5

<210> 294
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 294
Leu Pro Pro Lys Val Glu Ser Leu Glu Ser Leu Tyr Phe Thr Pro Ile
1 5 10 15

Pro Ala Arg

<210> 295
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 295
Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu His Ile Pro
1 5 10 15

Asp Pro Asp Ala Lys
20

<210> 296
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   296
Gln Leu Ser Leu Pro Gln Gln Glu Ala Gln Lys
1   5   10

<210> 297
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   297
Asp Val Thr Thr Phe Phe Ser Gly Lys
1   5

<210> 298
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   298
Gly Gln Val Glu Gln Ala Asn Gln Glu Leu Gln Glu Leu Ile Gln Ser
1   5   10   15

Val Lys

<210> 299
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 299
Ile Asp Asp Val Leu His Thr Leu Thr Gly Ala Met Ser Leu Leu Arg
1   5   10   15

<210> 300
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 300
Leu Gln Leu Pro Asn Cys Ile Glu Asp Pro Val Ser Pro Ile Val Leu
1   5   10   15

Arg

<210> 301
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 301
Val Glu Ser Leu Glu Ser Leu Tyr Phe Thr Pro Ile Pro Ala Arg
1   5   10   15

<210> 302
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 302
Phe Gly Asp Pro Leu Gly Tyr Glu Asp Val Ile Pro Glu Ala Asp Arg
1   5   10   15

Glu Gly Val Ile Arg

20

<210> 303
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 303
Leu Glu Pro Asn Ala Gln Ala Gln Met Tyr Arg
1 5 10

<210> 304
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 304
Asp Ser Leu Glu Asp Cys Val Thr Ile Trp Gly Pro Glu Gly Arg
1 5 10 15

<210> 305
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 305
Glu Ala Val Thr Glu Ile Leu Gly Ile Glu Pro Asp Arg
1 5 10

<210> 306
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 306
Phe Gln Asn Leu Asp Lys Lys
1   5

<210> 307
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 307
Gly Gly Glu Cys Ala Ser Pro Leu Pro Gly Leu Arg
1   5   10

<210> 308
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 308
Ile Ala Val Ser Lys Pro Ser Gly Pro Gln Pro Gln Ala Asp Leu Gln
1   5   10   15

Ala Leu Leu Gln Ser Gly Ala Gln Val Arg
            20   25

<210> 309
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 309
Val Leu Glu Leu Ser Ile Pro Ala Ser Ala Glu Gln Ile Gln His Leu

1 5 10 15

Ala Gly Ala Ile Ala Glu Arg
20

<210> 310
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 310
Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp
1 5 10 15

Phe Gly Asn Asp Phe Val Pro Pro Ala Pro Arg
20 25

<210> 311
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 311
Gly Gly Tyr Thr Cys Val Cys Pro Asp Gly Phe Leu Leu Asp Ser Ser
1 5 10 15

Arg

<210> 312
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 312
Val Leu Leu Thr Arg Pro Gly Glu Gly Gly Thr Gly Leu Pro Gly Pro

1 5 10 15

Pro Leu Ile Thr Arg
20

<210> 313
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 313
Glu Leu Gln Pro Gln Gln Gln Pro Arg
1 5

<210> 314
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 314
Phe Cys Gln Leu His Ser Ser Gly Ala Arg Pro Pro Ala Pro Ala Val
1 5 10 15

Pro Gly Leu Thr Arg
20

<210> 315
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 315
Leu Ala Ala Gly Asp Gln Leu Leu Ser Val Asp Gly Arg
1 5 10

<210> 316
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 316
Ser Leu Thr Leu Asp Thr Trp Glu Pro Glu Leu Leu Lys
1 5 10

<210> 317
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 317
Glu Gln Val Pro Gly Phe Thr Pro Arg
1 5

<210> 318
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 318
Glu Thr Gly Val Pro Ile Ala Gly Arg
1 5

<210> 319
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 319
Lys Ile Thr Ile Gly Gln Ala Pro Thr Glu Lys
1   5   10

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

<220>
<221>
<223>

<400> 320
Phe Ser Thr Met Pro Phe Leu Tyr Cys Asn Pro Gly Asp Val Cys Tyr
1   5   10   15

Tyr Ala Ser Arg
            20

<210> 321
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 321
Leu Leu Thr Ile Gly Asp Ala Asn Gly Glu Ile Gln Arg
1   5   10

<210> 322
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 322
Leu Gln Ser Gln Val Ile Ser Glu Leu Asp Ala Cys Lys
1   5   10

<210> 323
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 323
Leu Thr Ile Leu Ala Ala Arg
1 5

<210> 324
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 324
Leu Val Glu Cys Leu Glu Thr Val Leu Asn Lys
1 5 10

<210> 325
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 325
Ser Ser Pro Gln Phe Gly Val Thr Leu Leu Thr Tyr Glu Leu Leu Gln
1 5 10 15

Arg

<210> 326
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 326
Tyr Gln Cys His Glu Glu Gly Leu Val Pro Ser Lys
1   5   10

<210> 327
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 327
Gly Cys Gln Leu Cys Pro Pro Phe Gly Ser Glu Gly Phe Arg
1   5   10

<210> 328
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 328
Lys Pro Gly Leu Glu Glu Ala Val Glu Ser Ala Cys Ala Met Arg
1   5   10   15

<210> 329
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 329
Leu Val Gln Cys Val Asp Ala Phe Glu Glu Lys
1   5   10

<210> 330
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 330
Gln Trp Phe Ile Asn Ile Thr Asp Ile Lys
1 5 10

<210> 331
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 331
Ser Gln Leu Glu Ala Ile Phe Leu Arg
1 5

<210> 332
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 332
Val Leu Glu Gly Ser Glu Leu Glu Leu Ala Lys
1 5 10

<210> 333
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 333
Val Val Gln Asp Leu Ala Ala Arg
1   5

<210> 334
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 334
Ala Ile Met Glu Phe Asn Pro Arg
1   5

<210> 335
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 335
Ala Leu Ala Glu Gly Gly Ser Ile Leu Ser Arg
1   5   10

<210> 336
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 336
Glu Ile Cys Pro Ala Gly Pro Gly Tyr His Tyr Ser Ala Ser Asp Leu
1   5   10   15

Arg

<210> 337
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 337
Glu Gln Val Val Glu Asp Arg Pro Val Gly Gly Arg
1 5 10

<210> 338
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 338
Leu Tyr Cys Asn Pro Gly Asp Val Cys Tyr Tyr Ala Ser Arg
1 5 10

<210> 339
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 339
Thr Gln Asp Ala Ser Gly Pro Glu Leu Ile Leu Pro Ala Ser Ile Glu
1 5 10 15

Phe Arg

<210> 340
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 340
Tyr Ser Glu Ile Glu Pro Ser Thr Glu Gly Glu Val Ile Tyr Arg
1   5   10   15

<210> 341
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 341
Ala Trp Cys Val Asn Cys Phe Ala Cys Ser Thr Cys Asn Thr Lys
1   5   10   15

<210> 342
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 342
Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu His
1   5   10   15

Ile Pro Asp Pro Asp Ala Lys
            20

<210> 343
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 343
Ile Val Gln Ala Thr Thr Leu Leu Thr Met Asp Lys

1 5 10

<210> 344
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 344
Val Asp Leu Ser Thr Ser Thr Asp Trp Lys
1 5 10

<210> 345
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 345
Ala Gln Leu Leu Gln Gln Thr Arg
1 5

<210> 346
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 346
Asp Val Asp Glu Cys Gln Leu Phe Arg
1 5

<210> 347
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 347
Ile Glu Gly Tyr Pro Asp Pro Glu Val Val Trp Phe Lys Asp Asp Gln
1   5   10   15

Ser Ile Arg

<210> 348
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

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

<210> 349
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 349
Asn Asn Gly Val Leu Phe Glu Asn Gln Leu Leu Gln Ile Gly Val Lys
1   5   10   15

<210> 350
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 350
Arg Ala Asp Pro Ala Glu Leu Arg

1 5

<210> 351
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 351
Ser Ala Pro Ala Ser Gln Ala Ser Leu Arg
1 5 10

<210> 352
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 352
Asp Trp Glu Gln Phe Glu Tyr Lys
1 5

<210> 353
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 353
Ile Gln Ala Glu Leu Ala Val Ile Leu Lys
1 5 10

<210> 354
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 354
Ser Asn Arg Asp Glu Leu Glu Leu Glu Leu Ala Glu Asn Arg Lys
1   5   10   15

<210> 355
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 355
Thr Pro Val Pro Glu Lys Val Pro Pro Pro Lys Pro Ala Thr Pro Asp
1   5   10   15

Phe Arg

<210> 356
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 356
Val Ser Leu Glu Pro His Gln Gly Pro Gly Thr Pro Glu Ser Lys
1   5   10   15

<210> 357
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 357
Cys Thr Glu Pro Glu Asp Gln Leu Tyr Tyr Val Lys

1 5 10

<210> 358
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 358
Glu Cys Tyr Phe Asp Thr Ala Ala Pro Asp Ala Cys Asp Asn Ile Leu
1 5 10 15

Ala Arg

<210> 359
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 359
Phe Gly Leu Gly Ser Val Ala Gly Ala Val Gly Ala Thr Ala Val Tyr
1 5 10 15

Pro Ile Asp Leu Val Lys
20

<210> 360
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 360
Gly Gln Glu Asp Ala Ile Leu Ser Tyr Glu Pro Val Thr Arg
1 5 10

<210> 361
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 361
Ile Met Glu Leu Glu Gly Arg
1 5

<210> 362
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 362
Thr Cys Val Ser Leu Ala Val Ser Arg
1 5

<210> 363
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 363
Thr Ile Leu Thr Leu Thr Gly Val Ser Thr Leu Gly Asp Val Lys
1 5 10 15

<210> 364
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 364
Val Leu Gln Ile Val Thr Asn Arg Asp Asp Val Gln Gly Tyr Ala Ala
1   5   10   15

Lys

<210> 365
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 365
Ala Phe Gly Phe Ser His Leu Glu Ala Leu Leu Asp Asp Ser Lys Glu
1   5   10   15

Leu Gln Arg

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

<220>
<221>
<223>

<400> 366
Ala Gly Pro Asp Ser Ala Gly Ile Ala Leu Tyr Ser His Glu Asp Val
1   5   10   15

Cys Val Phe Lys
            20

<210> 367
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 367
Ala Gln Gly Val Leu Ala Ala Gln Ala Arg
1   5   10

<210> 368
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 368
Leu Pro Ser Phe Gln Gln Ser Cys Arg
1   5

<210> 369
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 369
Met Leu Ser Ser Phe Leu Ser Glu Asp Val Phe Lys
1   5   10

<210> 370
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 370
Asp Thr Glu Gln Thr Leu Tyr Gln Val Gln Glu Arg
1   5   10

<210> 371
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   371
Asp Val Glu Val Thr Lys Glu Glu Phe Val Leu Ala Ala Gln Lys
1   5   10   15

<210> 372
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   372
Ile Asn Gln Leu Ser Glu Glu Asn Gly Asp Leu Ser Phe Lys
1   5   10

<210> 373
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   373
Leu Asn Ile Pro Ala Thr Asn Val Phe Ala Asn Arg
1   5   10

<210> 374
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   374
Ser Leu Val Lys Pro Ile Thr Gln Leu Leu Gly Arg

1 5 10

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

<220>
<221>
<223>

<400> 375
Tyr Leu Cys Glu Gly Thr Glu Ser Pro Tyr Gln Thr Gly Gln Leu His
1 5 10 15

Pro Ala Ile Arg
20

<210> 376
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 376
Ala Ser Met Gln Pro Ile Gln Ile Ala Glu Gly Thr Gly Ile Thr Thr
1 5 10 15

Arg

<210> 377
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 377
Ile Ala Gly Ala Leu Gly Gly Leu Leu Thr Pro Leu Phe Leu Arg
1 5 10 15

<210> 378
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 378
Leu Gly Ala Ser Ala Leu Asp Ser Ile Gln Glu Phe Arg
1   5   10

<210> 379
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 379
Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu Ala Tyr
1   5   10   15

Ala Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys
            20   25

<210> 380
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 380
Thr Val Leu Asp Leu Gln Ser Ser Leu Ala Gly Val Ser Glu Asn Leu
1   5   10   15

Lys

<210> 381
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 381
Ala Gly Pro Asp Leu Ala Ser Cys Leu Asp Val Asp Glu Cys Arg Glu
1   5   10   15

Arg

<210> 382
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 382
Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His Lys
1   5   10   15

<210> 383
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 383
Phe Tyr Glu Phe Ser Gln Arg
1   5

<210> 384
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 384
Gly Glu Trp Ile Lys Pro Gly Ala Ile Val Ile Asp Cys Gly Ile Asn
1   5   10   15

Tyr Val Pro Asp Asp Lys
            20

<210> 385
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 385
Asn Asp Pro Tyr His Pro Asp His Phe Asn Cys Ala Asn Cys Gly Lys
1   5   10   15

<210> 386
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 386
Ser Leu Glu Pro His Gln Gly Pro Gly Thr Pro Glu Ser Lys
1   5   10

<210> 387
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 387
Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys
1   5   10

<210> 388
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 388
Thr His Ile Asp Thr Val Ile Asn Ala Leu Lys
1   5   10

<210> 389
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 389
Val His Ala Glu Leu Ala Asp Val Leu Thr Glu Ala Val Val Asp Ser
1   5   10   15

Ile Leu Ala Ile Lys Lys
            20

<210> 390
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 390
Val Met Gln His Gln Tyr Gln Val Ser Asn Leu Gly Gln Arg
1   5   10

<210> 391
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 391
Ala Ser Phe Ile Thr Pro Val Pro Gly Gly Val Gly Pro Met Thr Val
1   5   10   15

Ala Met Leu Met Gln Ser Thr Val Glu Ser Ala Lys
            20   25

<210> 392
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 392
Phe Glu His Phe Ile Glu Gly Gly Arg
1   5

<210> 393
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 393
Leu Gln Gln Ala Gln Leu Tyr Pro Ile Ala Ile Phe Ile Lys Pro Lys
1   5   10   15

<210> 394
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 394
Met Thr Leu Ala Asp Ile Glu Arg

1 5

<210> 395
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 395
Thr Val Glu Leu Leu Ser Gly Val Val Asp Gln Thr Lys
1 5 10

<210> 396
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 396
Ala Met Asp Tyr Asp Leu Leu Leu Arg
1 5

<210> 397
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 397
Asp Phe Gly Ser Phe Asp Lys
1 5

<210> 398
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 398
Glu Pro Ala Val Tyr Phe Lys Glu Gln Phe Leu Asp Gly Asp Gly Trp
1   5   10   15

Thr Ser Arg

<210> 399
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 399
Phe Leu Ile Asn Leu Glu Gly Gly Asp Ile Arg Glu Glu Ser Ser Tyr
1   5   10   15

Lys

<210> 400
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 400
Gly Glu Trp Ile Lys Pro Gly Ala Ile Val Ile Asp Cys Gly Ile Asn
1   5   10   15

Tyr Val Pro Asp Asp Lys Lys Pro Asn Gly Arg
            20   25

<210> 401
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 401
His Ala Val Val Val Gly Arg
1   5

<210> 402
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 402
Leu Glu Gly Asp Thr Phe Leu Leu Leu Ile Gln Ser Leu Lys
1   5   10

<210> 403
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 403
Asn Thr Ser Val Val Asp Ser Glu Pro Val Arg
1   5   10

<210> 404
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 404
Pro Gly Thr Thr Asp Gln Val Pro Arg
1   5

<210> 405
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 405
Gln Leu Asp Gln His Leu Asp Leu Leu Lys
1 5 10

<210> 406
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 406
Thr Val Ile Val His Gly Phe Thr Leu Gly Glu Lys
1 5 10

<210> 407
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 407
Tyr Ala Pro Asp Asp Ile Pro Asn Ile Asn Ser Thr Cys Phe Lys
1 5 10 15

<210> 408
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 408
Ala Ala Asp Leu Leu Tyr Ala Met Cys Asp Arg
1   5   10

<210> 409
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 409
Glu Met Gly Glu Ala Phe Ala Ala Asp Ile Pro Arg
1   5   10

<210> 410
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 410
Ile Gln Gly Thr Leu Gln Pro His Ala Arg
1   5   10

<210> 411
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 411
Leu Pro Ile Ala Val Asn Gly Ser Leu Ile Tyr Gly Val Cys Ala Gly
1   5   10   15

Lys

<210> 412
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 412
Val Asn Asp Asp Leu Ile Ser Glu Phe Pro His Lys
1   5   10

<210> 413
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 413
Asp Gly Gly Cys Ser Leu Pro Ile Leu Arg
1   5   10

<210> 414
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 414
Glu Asn Val Asp Tyr Ile Ile Gln Glu Leu Arg
1   5   10

<210> 415
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 415
Gly Ala Ala Val Asp Glu Tyr Phe Arg
1   5

<210> 416
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 416
Gly Glu Thr Ala Val Pro Gly Ala Pro Glu Ala Leu Arg
1   5   10

<210> 417
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 417
Ile Leu Tyr Ser Phe Ala Thr Ala Phe Arg
1   5   10

<210> 418
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 418
Asn Val Phe Glu Cys Asn Asp Gln Val Val Lys
1   5   10

<210> 419
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 419
Ser Thr Gly Ser Phe Val Gly Glu Leu Met Tyr Lys
1   5   10

<210> 420
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 420
Thr Ile Arg Asp Leu Glu Val Val Glu Gly Ser Ala Ala Arg
1   5   10

<210> 421
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 421
Thr Val Phe Glu Ala Leu Gln Ala Pro Ala Cys His Glu Asn Met Val
1   5   10   15

Lys

<210> 422
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 422
Val Gly Leu Leu Gln Tyr Gly Ser Thr Val Lys
1   5   10

<210> 423
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 423
Tyr Val Leu Ser Asn Gln Tyr Arg Pro Asp Ile Ser Pro Thr Glu Arg
1   5   10   15

<210> 424
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 424
Ala Glu Ala Glu Leu Glu Tyr Asn Pro Glu His Val Ser Arg
1   5   10

<210> 425
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 425
Ala Ser Pro Asp Leu Val Pro Met Gly Glu Trp Thr Ala Arg
1   5   10

<210> 426
<211> 18

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   426
Cys Glu Ala Cys Ala Pro Gly His Phe Gly Asp Pro Ser Arg Pro Gly
1   5   10   15

Gly Arg

<210> 427
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   427
Glu Asp Gly Tyr Ser Asp Ala Ser Gly Phe Gly Tyr Cys Phe Arg
1   5   10   15

<210> 428
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   428
Gly Asp Leu Ile Gly Val Val Glu Ala Leu Thr Arg
1   5   10

<210> 429
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 429
Leu Ala Ile Leu Gln Val Gly Asn Arg Asp Asp Ser Asn Leu Tyr Ile
1   5   10   15

Asn Val Lys

<210> 430
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 430
Asn Asp Ala Gly Gln Ala Glu Cys Ser Cys Gln Val Thr Val Asp Asp
1   5   10   15

Ala Pro Ala Ser Glu Asn Thr Lys
            20

<210> 431
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 431
Gln Asn Trp Phe Glu Ala Phe Glu Ile Leu Asp Lys
1   5   10

<210> 432
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 432
Ser Ser Glu Gly Leu Leu Ala Thr Ala Thr Val Pro Leu Asp Leu Phe

1 5 10 15

Lys

<210> 433
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 433
Ser Thr Thr Thr Ile Gly Leu Val Gln Ala Leu Gly Ala His Leu Tyr
1 5 10 15

Gln Asn Val Phe Ala Cys Val Arg
20

<210> 434
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 434
Val Leu Val Leu Glu Met Phe Ser Gly Gly Asp Ala Ala Ala Leu Glu
1 5 10 15

Arg

<210> 435
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 435
Lys Gln Val Ala Pro Glu Lys Pro Val Lys

1 5 10

<210> 436
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 436
Leu Gln Glu Leu Glu Gly Thr Tyr Glu Glu Asn Glu Arg
1 5 10

<210> 437
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 437
Leu Val Glu Gln His Gly Ser Asp Ile Trp Trp Thr Leu Pro Pro Glu
1 5 10 15

Gln Leu Leu Pro Lys
20

<210> 438
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 438
Asn Pro Thr Phe Met Cys Leu Ala Leu His Cys Ile Ala Asn Val Gly
1 5 10 15

Ser Arg

<210> 439
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 439
Ser Ser Asp Gly Arg Pro Asp Ser Gly Gly Thr Leu Arg
1 5 10

<210> 440
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 440
Ala Ala Pro Gln Pro Leu Asn Leu Val Ser Ser Val Thr Leu Ser Lys
1 5 10 15

<210> 441
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 441
Ala Val Gln Ala Gln Gly Gly Glu Ser Gln Gln Glu Ala Gln Arg
1 5 10 15

<210> 442
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 442
Asp Phe Leu Asn Gln Glu Gly Ala Asp Pro Asp Ser Ile Glu Met Val
1   5   10   15

Ala Thr Arg

<210> 443
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 443
Gly Gln Val Leu Asp Val Val Glu Arg
1   5

<210> 444
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 444
Leu Ala Leu Ile Gln Pro Ser Arg
1   5

<210> 445
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 445
Leu Gln Gln Asp Val Leu Gln Phe Gln Lys
1   5   10

<210> 446
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 446
Leu Thr Phe Glu Glu Leu Glu Arg
1 5

<210> 447
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 447
Gln Val Thr Pro Leu Phe Ile His Phe Arg
1 5 10

<210> 448
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 448
Ser Phe Asn Val Gln Asp Leu Leu Pro Asp His Glu Tyr Lys
1 5 10

<210> 449
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 449
Ser Ser Cys Ile Ser Gln His Val Ile Ser Glu Ala Lys
1   5   10

<210> 450
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 450
Val Leu Gln Ile Val Thr Asn Arg
1   5

<210> 451
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 451
Val Val Gly Asp Val Ala Tyr Asp Glu Ala Lys
1   5   10

<210> 452
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 452
Ala Leu Gln Ser Gly Pro Pro Gln Ser Arg
1   5   10

<210> 453
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   453
Ile Thr Ile Gly Gln Ala Pro Thr Glu Lys
1   5   10

<210> 454
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   454
Lys Ala Gln Gly Val Leu Ala Ala Gln Ala Arg
1   5   10

<210> 455
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   455
Leu Lys Glu Asn Leu Tyr Pro Tyr Leu Gly Pro Ser Thr Leu Arg
1   5   10   15

<210> 456
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   456
Leu Pro Val Thr Ile Asn Lys

1 5

<210> 457
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 457
Ser Ile Leu Thr Ala Ile Pro Asn Asp Asp Pro Tyr Phe His Ile Thr
1 5 10 15

Lys

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

<220>
<221>
<223>

<400> 458
Ser Leu Gly Asn Val Ile His Pro Asp Val Val Val Asn Gly Gly Gln
1 5 10 15

Asp Gln Ser Lys
20

<210> 459
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 459
Ala Val Gln Thr Ser Ile Ala Thr Ala Tyr Arg
1 5 10

<210> 460
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 460
Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1 5 10

<210> 461
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 461
Ile Pro Val Ser Gly Pro Phe Leu Val Lys
1 5 10

<210> 462
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 462
Leu Leu Gly Pro Ala Gly Leu Thr Trp Glu Arg
1 5 10

<210> 463
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 463
Leu Pro Val Glu Ala Phe Ser Ala Val Phe Thr Lys
1   5   10

<210> 464
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 464
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Gly Ala Thr Gly Thr
1   5   10   15

Ala Leu Phe Pro Thr Arg
            20

<210> 465
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 465
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Gly Ala Thr Gly Thr
1   5   10   15

Ala Leu Phe Pro Thr Arg
            20

<210> 466
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 466
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Gly Ala Thr Gly Thr

1 5 10 15

Ala Leu Phe Pro Thr Arg
20

<210> 467
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 467
Thr Lys Val His Ala Glu Leu Ala Asp Val Leu Thr Glu Ala Val Val
1 5 10 15

Asp Ser Ile Leu Ala Ile Lys
20

<210> 468
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 468
Tyr Gly Glu Gly His Gln Ala Trp Ile Ile Gly Ile Val Glu Lys
1 5 10 15

<210> 469
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 469
Ala Asp Leu Tyr Leu Glu Gly Lys
1 5

<210> 470
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 470
Cys Leu Glu Glu Lys Asn Glu Ile Leu Gln Gly Lys
1 5 10

<210> 471
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 471
Phe Ile Phe Asp Cys Val Ser Gln Glu Tyr Gly Ile Asn Pro Glu Arg
1 5 10 15

<210> 472
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 472
Ile His Gly Thr Glu Glu Gly Gln Gln Ile Leu Lys
1 5 10

<210> 473
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 473
Lys Ile Gln Thr Gln Leu Gln Arg
1   5

<210> 474
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 474
Lys Val Val Gly Asp Val Ala Tyr Asp Glu Ala Lys
1   5   10

<210> 475
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 475
Leu Asp Ser Ile Ser Gly Asn Leu Gln Arg
1   5   10

<210> 476
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 476
Leu Phe Glu Asp Leu Glu Phe Gln Gln Leu Glu Arg
1   5   10

<210> 477
<211> 30

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   477
Ser Leu Gly Asn Val Ile His Pro Asp Val Val Val Asn Gly Gly Gln
1   5   10   15

Asp Gln Ser Lys Glu Pro Pro Tyr Gly Ala Asp Val Leu Arg
            20   25   30

<210> 478
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   478
Thr Glu Val Asn Ser Gly Phe Phe Tyr Lys
1   5   10

<210> 479
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   479
Thr Ser Ala Gly Thr Phe Pro Gly Ser Gln Pro Gln Ala Pro Ala Ser
1   5   10   15

Pro Val Leu Pro Ala Arg Pro Pro Pro Pro Pro Leu Pro Arg
            20   25   30

<210> 480
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 480
Val His Ser Pro Gln Gln Val Asp Phe Arg
1   5   10

<210> 481
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 481
Val Leu Thr Gly Asn Thr Ile Ala Leu Val Leu Gly Gly Gly Gly Ala
1   5   10   15

Arg

<210> 482
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 482
Val Ser Ala Leu Ser Val Val Arg
1   5

<210> 483
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 483
Ala Ser Leu Glu Asn Gly Val Leu Leu Cys Asp Leu Ile Asn Lys

1 5 10 15

<210> 484
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 484
Glu Thr Leu Ile Asp Val Ala Arg
1 5

<210> 485
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 485
Phe Glu Ser Lys Pro Gln Ser Gln Glu Val Lys
1 5 10

<210> 486
<211> 38
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 486
Gly His Leu Gln Ile Ala Ala Cys Pro Asn Gln Asp Pro Leu Gln Gly
1 5 10 15

Thr Thr Gly Leu Ile Pro Leu Leu Gly Ile Asp Val Trp Glu His Ala
20 25 30

Tyr Tyr Leu Gln Tyr Lys
35

<210> 487
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 487
Gly Ile Cys Glu Ala Leu Glu Asp Ser Asp Gly Arg Gln Asp Ser Pro
1   5   10   15

Ala Gly Glu Leu Pro Lys
            20

<210> 488
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 488
Gly Tyr Leu Ala Pro Ser Gly Asp Leu Ser Leu Arg
1   5   10

<210> 489
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 489
Leu Gln Ser Gln Leu Leu Ser Ile Glu Lys Glu Val Glu Glu Tyr Lys
1   5   10   15

<210> 490
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 490
Ser Gly Gln Gly Ser Asp Arg Gly Ser Gly Ser Arg Pro Gly Ile Glu
1   5   10   15

Gly Asp Thr Pro Arg
            20

<210> 491
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 491
Val Ala Ile Ser Thr Phe Gln Lys
1   5

<210> 492
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 492
Gly Gln Asp Ile Phe Ile Ile Gln Thr Ile Pro Arg
1   5   10

<210> 493
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 493
Ile Thr Leu Asp Ala Gln Asp Val Leu Ala His Leu Val Gln Met Ala

1 5 10 15

Phe Lys

<210> 494
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 494
Arg Thr Glu Val Pro Pro Leu Leu Leu Ile Leu Asp Arg
1 5 10

<210> 495
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 495
Ser Ser Pro Pro Val Gln Phe Ser Leu Leu His Ser Lys
1 5 10

<210> 496
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 496
Ser Ser Thr Gly Ser Pro Thr Ser Pro Leu Asn Ala Glu Lys
1 5 10

<210> 497
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   497
Thr Lys Phe Pro Ala Glu Gln Tyr Tyr Arg
1   5   10

<210> 498
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   498
Ala Asn Phe Trp Tyr Gln Pro Ser Phe His Gly Val Asp Leu Ser Ala
1   5   10   15

Leu Arg

<210> 499
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   499
Asp Ala Gln Ile Ala Met Met Gln Gln Arg
1   5   10

<210> 500
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 500
Glu His Gly Ala Phe Asp Ala Val Lys
1   5

<210> 501
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 501
Gly Leu Ala Gln Ala Asp Gly Thr Leu Ile Thr Cys Val Asp Ser Gly
1   5   10   15

Ile Leu Arg

<210> 502
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 502
Gly Leu Asn Cys Glu Gln Cys Gln Asp Phe Tyr Arg
1   5   10

<210> 503
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 503
Lys Val Val Ala Thr Thr Gln Met Gln Ala Ala Asp Ala Arg
1   5   10

<210> 504
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 504
Met Lys Leu Thr His Ser Leu Gln Glu Glu Leu Glu Lys
1 5 10

<210> 505
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 505
Asn Ile Asp Val Phe Asn Val Glu Asp Gln Lys Arg
1 5 10

<210> 506
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 506
Gln Ala Ser Asp Lys Asp Asp Arg Pro Phe Gln Gly Glu Asp Val Glu
1 5 10 15

Asn Ser Arg

<210> 507
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 507
Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu Tyr Asn Ile Met
1   5   10   15

Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys
            20   25

<210> 508
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 508
Ser Thr Ile Phe His Ser Ser Pro Asp Ala Ser Gly Thr Thr Pro Ser
1   5   10   15

Ser Ala His Ser Thr Thr Ser Gly Arg
            20   25

<210> 509
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 509
Ser Thr Ile Phe His Ser Ser Pro Asp Ala Ser Gly Thr Thr Pro Ser
1   5   10   15

Ser Ala His Ser Thr Thr Ser Gly Arg
            20   25

<210> 510
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 510
Ser Thr Ile Phe His Ser Ser Pro Asp Ala Ser Gly Thr Thr Pro Ser
1   5   10   15

Ser Ala His Ser Thr Thr Ser Gly Arg
            20   25

<210> 511
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 511
Ser Thr Ile Phe His Ser Ser Pro Asp Ala Ser Gly Thr Thr Pro Ser
1   5   10   15

Ser Ala His Ser Thr Thr Ser Gly Arg
            20   25

<210> 512
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 512
Val Cys Leu His Val Gln Lys
1   5

<210> 513
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 513
Val Ser Gln Phe Leu Gln Val Leu Glu Thr Asp Leu Tyr Arg
1   5   10

<210> 514
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 514
Val Ser Ser Thr Ala Thr Thr Gln Asp Val Ile Glu Thr Leu Ala Glu
1   5   10   15

Lys

<210> 515
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 515
Tyr Asn Thr Arg Pro Leu Gly Gln Glu Pro Pro Arg
1   5   10

<210> 516
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 516
Ala Asn His Pro Met Asp Ala Glu Val Thr Lys
1   5   10

<210> 517
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 517
Ala Ser Glu Leu Gly His Ser Leu Asn Glu Asn Val Leu Lys Pro Ala
1   5   10   15

Gln Glu Lys

<210> 518
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 518
Ala Trp Val Ser His Asp Ser Thr Val Cys Leu Ala Asp Ala Asp Lys
1   5   10   15

Lys

<210> 519
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 519
Phe Ser Tyr Asp Leu Ser Gln Cys Ile Asn Gln Met Lys
1   5   10

<210> 520
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   520
Ile Tyr Gln Phe Thr Ala Ala Ser Pro Lys
1   5   10

<210> 521
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   521
Lys Gln Asp Glu Pro Ile Asp Leu Phe Met Ile Glu Ile Met Glu Met
1   5   10   15

Lys

<210> 522
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   522
Asn Ile Met Ala Gly Leu Gln Gln Thr Asn Ser Glu Lys
1   5   10

<210> 523
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 523
Arg Pro Asp Tyr Leu Lys
1   5

<210> 524
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 524
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Val Ala Thr Ala Thr
1   5   10   15

Thr Pro Ser Pro Ala Arg
            20

<210> 525
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 525
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Val Ala Thr Ala Thr
1   5   10   15

Thr Pro Ser Pro Ala Arg
            20

<210> 526
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 526
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Val Ala Thr Ala Thr

1 5 10 15

Thr Pro Ser Pro Ala Arg
20

<210> 527
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 527
Ser Glu Glu Ser Thr Thr Val His Ser Ser Pro Val Ala Thr Ala Thr
1 5 10 15

Thr Pro Ser Pro Ala Arg
20

<210> 528
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 528
Thr His Leu Thr Ser Leu Lys
1 5

<210> 529
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 529
Ala Gln Glu Ala Glu Gln Leu Leu Arg
1 5

<210> 530
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 530
Ala Gln Ile Ile Asn Asp Ala Phe Asn Leu Ala Ser Ala His Lys
1 5 10 15

<210> 531
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 531
Asp Gln Leu Gly Gly Trp Phe Gln Ser Ser Leu Leu Thr Ser Val Ala
1 5 10 15

Ala Arg

<210> 532
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 532
Gly Ala Asp Asp Ile Glu Leu Leu Pro Glu Ala Gln His Lys
1 5 10

<210> 533
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 533
Gly Phe Ser His Leu Glu Ala Leu Leu Asp Asp Ser Lys
1   5   10

<210> 534
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 534
Gly Leu Leu Thr Asp Ser Pro Ala Ala Thr Val Leu Ala Glu Ala Arg
1   5   10   15

<210> 535
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 535
His Ser Asn Phe Leu Gly Ala Tyr Asp Ser Ile Arg
1   5   10

<210> 536
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 536
Lys Asn Glu Phe Gln Gly Glu Leu Glu Lys
1   5   10

<210> 537
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 537
Ser Phe Leu Glu Glu Val Leu Ala Ser Gly Leu His Ser Arg
1   5   10

<210> 538
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 538
Thr Glu Ile Leu Gly Ile Glu Pro Asp Arg Glu Lys
1   5   10

<210> 539
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 539
Val Ile Leu Leu Asp Pro Ser Ile Ile Glu Ala Lys
1   5   10

<210> 540
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 540
Ala Glu Thr Val Gln Ala Ala Leu Glu Glu Ala Gln Arg
1   5   10

<210> 541
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 541
Ala Phe Val Glu Asn Tyr Pro Gln Phe Lys
1   5   10

<210> 542
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 542
Asp Phe Ile Ser Asn Leu Leu Lys
1   5

<210> 543
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 543
Asp Gly Phe Phe Gly Leu Ser Ile Ser Asp Arg
1   5   10

<210> 544
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   544
Asp His Val Phe Gln Val Asn Asn Phe Glu Ala Leu Lys
1   5   10

<210> 545
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   545
Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys Pro Glu His Ile
1   5   10   15

Pro Asp Pro Asp Ala Lys
            20

<210> 546
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   546
Lys Ile Ile Glu Leu Lys
1   5

<210> 547
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 547
Leu Cys Cys Pro Val Ala Leu Ala Gln Asp Val Thr Gly Ala Leu Glu
1   5   10   15

Asp Ala Leu Ala Lys
            20

<210> 548
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 548
Pro Ala Ile Ala His Leu Ile His Ser Leu Asn Pro Val Arg
1   5   10

<210> 549
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 549
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu
1   5   10   15

Gly Arg

<210> 550
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 550
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu

1 5 10 15

Gly Arg

<210> 551
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 551
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu
1 5 10 15

Gly Arg

<210> 552
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 552
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu
1 5 10 15

Gly Arg

<210> 553
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 553
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu

1 5 10 15

Gly Arg

<210> 554
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 554
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu
1 5 10 15

Gly Arg

<210> 555
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 555
Pro Ser Ser Thr Pro Thr Thr His Phe Ser Ala Ser Ser Thr Thr Leu
1 5 10 15

Gly Arg

<210> 556
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 556
Gln Phe Val Thr Gly Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys

1 5 10 15

<210> 557
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 557
Ser Glu Ala Val Leu Gln Ser Pro Glu Phe Ala Ile Phe Arg
1 5 10

<210> 558
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 558
Thr Thr Gln Gly Leu Thr Ala Leu Leu Leu Ser Leu Lys
1 5 10

<210> 559
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 559
Val Pro Leu Ser Val Gln Leu Lys Pro Glu Val Ser Pro Thr Gln Asp
1 5 10 15

Ile Arg

<210> 560
<211> 7

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   560
Val Thr Ala Ile Asp Phe Arg
1   5

<210> 561
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   561
Tyr Leu Ile Phe Pro Asn Pro Val Cys Leu Glu Pro Gly Ile Ser Tyr
1   5   10   15

Lys

<210> 562
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   562
Tyr Arg Leu Pro Asn Thr Leu Lys Pro Asp Ser Tyr Arg
1   5   10

<210> 563
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 563
Ala Phe Leu Leu Ser Leu Ala Ala Leu Arg
1   5   10

<210> 564
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 564
Asp Leu Ala Gln Tyr Ser Ser Asn Asp Ala Val Val Glu Thr Ser Leu
1   5   10   15

Thr Lys

<210> 565
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 565
Asp Arg Leu Pro Gln Glu Pro Gly Arg Glu Gln Val Val Glu Asp Arg
1   5   10   15

Pro Val Gly Gly Arg
            20

<210> 566
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 566
Glu Ala Ile Gln His Pro Ala Asp Glu Lys Leu Gln Glu Lys

1 5 10

<210> 567
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 567
Glu Phe Gln Asn Asn Pro Asn Pro Arg
1 5

<210> 568
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 568
Glu Leu Ser Ala Ala Leu Gln Asp Lys Lys
1 5 10

<210> 569
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 569
Glu Leu Ser Gly Ser Gly Leu Glu Arg
1 5

<210> 570
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 570
Glu Leu Trp Ile Leu Asn Arg
1   5

<210> 571
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 571
Phe Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys Lys
1   5   10   15

<210> 572
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 572
Gly Pro Ala Leu Cys Gly Ser Gln Arg
1   5

<210> 573
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 573
Gly Pro Leu Glu Pro Gly Pro Pro Lys Pro Gly Val Pro Gln Glu Pro
1   5   10   15

Gly Arg

<210> 574
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 574
Gly Ser Leu Tyr Gln Cys Asp Tyr Ser Thr Gly Ser Cys Glu Pro Ile
1 5 10 15

Arg

<210> 575
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 575
Ile Gln Thr Gln Leu Gln Arg
1 5

<210> 576
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 576
Lys Asn Ser Ser Ile Ile Gly Asp Tyr Lys Gln Ile Cys Ser Gln Leu
1 5 10 15

Ser Glu Arg

<210> 577
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 577
Leu Glu Ile Asn Phe Glu Glu Leu Leu Lys
1   5   10

<210> 578
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 578
Leu Ile Val Pro Glu Pro Asp Val Asp Phe Asp Ala Lys
1   5   10

<210> 579
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 579
Leu Val Gly Pro Glu Gly Phe Val Val Thr Glu Ala Gly Phe Gly Ala
1   5   10   15

Asp Ile Gly Met Glu Lys
            20

<210> 580
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 580
Gln Glu His Cys Gly Cys Tyr Thr Leu Leu Val Glu Asn Lys
1   5   10

<210> 581
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 581
Arg Ser Gln Ala Gly Val Ser Ser Gly Ala Pro Pro Gly Arg
1   5   10

<210> 582
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 582
Ser Pro Gly Ser Thr Pro Thr Thr His Phe Pro Ala Ser Ser Thr Thr
1   5   10   15

Ser Gly His Ser Glu Lys
            20

<210> 583
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 583
Ser Pro Gly Ser Thr Pro Thr Thr His Phe Pro Ala Ser Ser Thr Thr

1 5 10 15

Ser Gly His Ser Glu Lys
20

<210> 584
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 584
Ser Pro Gly Ser Thr Pro Thr Thr His Phe Pro Ala Ser Ser Thr Thr
1 5 10 15

Ser Gly His Ser Glu Lys
20

<210> 585
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 585
Ser Pro Gly Ser Thr Pro Thr Thr His Phe Pro Ala Ser Ser Thr Thr
1 5 10 15

Ser Gly His Ser Glu Lys
20

<210> 586
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 586
Val Leu Ser Gln Ile Asp Val Ala Gln Lys

1 5 10

<210> 587
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 587
Tyr Gly Gly Met Phe Cys Asn Val Glu Gly Ala Phe Glu Ser Lys
1 5 10 15

<210> 588
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 588
Ala Thr Val Val Val Glu Ala Thr Glu Pro Glu Pro Ser Gly Ser Ile
1 5 10 15

Ala Asn Pro Ala Ala Ser Thr Ser Pro Ser Leu Ser His Arg
20 25 30

<210> 589
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 589
Glu Met Thr Ala Asp Val Ile Glu Leu Lys
1 5 10

<210> 590
<211> 21

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   590
Gly Glu Gln Gly Phe Met Gly Asn Thr Gly Pro Thr Gly Ala Val Gly
1   5   10   15

Asp Arg Gly Pro Lys
            20

<210> 591
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   591
Leu Ala Glu Ala Glu Leu Glu Tyr Asn Pro Glu His Val Ser Arg
1   5   10   15

<210> 592
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   592
Leu Glu Ser Glu Glu Asp Val Ser Gln Ala Phe Leu Glu Ala Val Ala
1   5   10   15

Glu Glu Lys Pro His Val Lys Pro Tyr Phe Ser Lys
            20   25

<210> 593
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 593
Leu Met Cys Glu Leu Gly Asn Asp Val Ile Asn Arg
1   5   10

<210> 594
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 594
Gln Gln Gln Asp Tyr Trp Leu Ile Asp Val Arg
1   5   10

<210> 595
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 595
Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His
1   5   10   15

Lys

<210> 596
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 596
Ser Tyr Lys Pro Val Phe Trp Ser Pro Ser Ser Arg

1 5 10

<210> 597
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 597
Thr Ala His Leu Asp Glu Glu Val Asn Lys Gly Asp Ile Leu Val Val
1 5 10 15

Ala Thr Gly Gln Pro Glu Met Val Lys
20 25

<210> 598
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 598
Thr Arg Pro Asp Gly Asn Cys Phe Tyr Arg
1 5 10

<210> 599
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 599
Thr Ser Gly Gln Cys Leu Cys Arg
1 5

<210> 600
<211> 7

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   600
Ala Phe Cys Val Ala Asn Lys
1   5

<210> 601
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   601
Ala Met Ile Ser Gly Leu Ser Gly Arg
1   5

<210> 602
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   602
Ala Val Glu Ser Ser Lys Pro Leu Ser Asn Ala Gln Pro Ser Gly Pro
1   5   10   15

Leu Lys Pro Val Gly Asn
            20

<210> 603
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 603
Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp Asn
1   5   10   15

Lys Asp Arg

<210> 604
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 604
Glu Gly Val Val Asp Ile Tyr Asn Cys Val Lys
1   5   10

<210> 605
<211> 36
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 605
Gly Thr Trp Ile His Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp
1   5   10   15

Pro Ser Ile Tyr Ala Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu
            20   25   30

Trp Gln Val Lys
        35

<210> 606
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 606
His Leu Thr Gln Ala Val Cys Thr Val Lys
1   5   10

<210> 607
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 607
Ile Thr Ile Ser Pro Leu Gln Glu Leu Thr Leu Tyr Asn Pro Glu Arg
1   5   10   15

<210> 608
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 608
Leu Ala Cys Glu Ser Ala Ser Ser Thr Glu Val Ser Gly Ala Leu Lys
1   5   10   15

<210> 609
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 609
Leu Asp Cys Thr Gln Cys Leu Gln His Pro Trp Leu Met Lys
1   5   10

<210> 610
<211> 29

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   610
Leu Asp Glu Glu Ala Glu Asn Leu Val Ala Thr Val Val Pro Thr His
1   5   10   15

Leu Ala Ala Ala Val Pro Glu Val Ala Val Tyr Leu Lys
            20   25

<210> 611
<211> 45
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   611
Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro Pro Pro Pro Pro
1   5   10   15

Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr Pro Pro Ala Pro
            20   25   30

Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala Ala Pro Lys
        35   40   45

<210> 612
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   612
Leu Pro Asn Thr Leu Lys Pro Asp Ser Tyr Arg
1   5   10

<210> 613
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   613
Leu Ser Ser Thr Gln Gln Ser Leu Ala Glu Lys
1   5   10

<210> 614
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   614
Leu Val Ala Leu Glu Thr Gly Ile Gln Lys
1   5   10

<210> 615
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   615
Met His Gly Gly Gly Pro Thr Val Thr Ala Gly Leu Pro Leu Pro Lys
1   5   10   15

<210> 616
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   616
Gln Gln Ala Leu Glu Leu Val Val Gln Glu Val Ser Ser Val Leu Arg

1 5 10 15

<210> 617
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 617
Gln Ser Met Ala Phe Ser Ile Leu Asn Thr Pro Lys
1 5 10

<210> 618
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 618
Ser Ser Asn Leu Leu Asp Leu Lys
1 5

<210> 619
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 619
Val Leu Gln Asp Gln Leu Lys
1 5

<210> 620
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 620
Trp Val Ser His Asp Ser Thr Val Cys Leu Ala Asp Ala Asp Lys Lys
1   5   10   15

<210> 621
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 621
Ala Ala Gln Leu Asp Gly Leu Glu Ala Arg
1   5   10

<210> 622
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 622
Ala Asn Ala Leu Ala Ser Ala Thr Cys Glu Arg
1   5   10

<210> 623
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 623
Ala Thr Asp Asn Glu Pro Ser Gln Phe Ser Glu Pro Arg
1   5   10

<210> 624
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 624
Cys Gly Phe Ser Glu Leu Tyr Ser Trp Gln Arg
1 5 10

<210> 625
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 625
Asp Leu Leu Gln Ala Ala Gln Asp Lys
1 5

<210> 626
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 626
Glu Pro Ala Pro Ala Ser Pro Ala Pro Ala Gly Val Glu Ile Arg
1 5 10 15

<210> 627
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 627
Glu Tyr Glu Leu Phe Glu Phe Arg
1   5

<210> 628
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 628
His Lys Pro Gly Ile Val Gln Glu Thr Thr Phe Asp Leu Gly Gly Asp
1   5   10   15

Ile His Ser Gly Thr Ala Leu Pro Thr Ser Lys
            20   25

<210> 629
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 629
Ile Trp Asp Leu Gln Gly Ser Glu Glu Pro Val Phe Arg
1   5   10

<210> 630
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 630
Leu Phe Gly Asp Val Glu Ala Ser Leu Gly Arg
1   5   10

<210> 631
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 631
Leu His Thr Leu Gly Asp Asn Leu Leu Asp Pro Arg
1   5   10

<210> 632
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 632
Arg Phe Ser Asp Ile Gln Ile Arg
1   5

<210> 633
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 633
Ser Glu Val Tyr Gly Pro Met Lys
1   5

<210> 634
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 634
Ser Leu Ser Glu Ser Ala Ala Thr Arg
1 5

<210> 635
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 635
Val Thr Cys Val Glu Met Glu Pro Leu Ala Glu Tyr Val Val Arg
1 5 10 15

<210> 636
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 636
Tyr Leu Phe Glu Glu Asp Asn Leu Leu Arg
1 5 10

<210> 637
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 637
Ala Ala Glu Cys Leu Asp Val Asp Glu Cys His Arg
1 5 10

<210> 638
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 638
Ala Gly Met Ser Ser Leu Lys Gly
1   5

<210> 639
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 639
Ala Leu Ala Ser Ala Thr Cys Glu Arg
1   5

<210> 640
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 640
Cys Asp Ser His Asp Asp Pro Ala Leu Gly Leu Val Ser Gly Gln Cys
1   5   10   15

Arg

<210> 641
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 641
Asp Cys Ser Ile Ala Leu Pro Tyr Val Cys Lys
1   5   10

<210> 642
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 642
Asp Ile Ser Leu Gln Gly Pro Gly Leu Ala Pro Glu His Cys Tyr Ile
1   5   10   15

Glu Asn Leu Arg
            20

<210> 643
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 643
Phe Val Leu Asp His Glu Asp Gly Leu Asn Leu Asn Glu Asp Leu Glu
1   5   10   15

Asn Phe Leu Gln Lys
            20

<210> 644
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 644
Gly Ala Asn Gln His Ala Thr Asp Glu Glu Gly Lys Asp Pro Leu Ser

1 5 10 15

Ile Ala Val Glu Ala Ala Asn Ala Asp Ile Val Thr Leu Leu Arg
20 25 30

<210> 645
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 645
Gly Phe Ser His Leu Glu Ala Leu Leu Asp Asp Ser Lys Glu Leu Gln
1 5 10 15

Arg

<210> 646
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 646
Gly Ser Gly Val Ser Asn Phe Ala Gln Leu Ile Val Arg
1 5 10

<210> 647
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 647
Ile Ile Asn Asp Ala Phe Asn Leu Ala Ser Ala His Lys
1 5 10

<210> 648
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 648
Lys Val Val Gln Ser Leu Glu Gln Thr Ala Arg
1 5 10

<210> 649
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 649
Gln Pro Ala Val Glu Glu Pro Ala Glu Val Thr Ala Thr Val Leu Ala
1 5 10 15

Ser Arg

<210> 650
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 650
Gln Thr Gln Val Leu Gly Leu Thr Gln Thr Cys Glu Thr Leu Lys
1 5 10 15

<210> 651
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 651
Arg Val Glu Asp Ala Tyr Ile Leu Thr Cys Asn Val Ser Leu Glu Tyr
1   5   10   15

Glu Lys

<210> 652
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 652
Thr Leu Asp Phe Asp Ala Leu Ser Val Gly Gln Arg
1   5   10

<210> 653
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 653
Val Val Asn Ala Met Gly Lys
1   5

<210> 654
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 654
Ala Lys Ile Asp Asp Pro Thr Asp Ser Lys Pro Glu Asp Trp Asp Lys

1 5 10 15

Pro Glu His Ile Pro Asp
20

<210> 655
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 655
Ala Leu Glu Gln Leu Leu Thr Glu Leu Asp Asp Phe Leu Lys
1 5 10

<210> 656
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 656
Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg
1 5 10

<210> 657
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 657
Asp Leu Asn Gln Leu Phe Gln Gln Asp Ser Ser Ser Arg
1 5 10

<210> 658
<211> 37

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   658
Glu Thr Pro Gly Arg Pro Pro Asp Pro Thr Gly Ala Pro Leu Pro Gly
1   5   10   15

Pro Thr Gly Asp Pro Val Lys Pro Thr Ser Leu Glu Thr Pro Ser Ala
            20   25   30

Pro Leu Leu Ser Arg
        35

<210> 659
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   659
Gly Ser Ala Cys Glu Glu Asp Val Asp Glu Cys Ala Gln Glu Pro Pro
1   5   10   15

Pro Cys Gly Pro Gly Arg
            20

<210> 660
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   660
Lys Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser
1   5   10   15

Leu His Lys

<210> 661
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 661
Leu Gly Phe Ile Thr Asn Asn Ser Ser Lys
1 5 10

<210> 662
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 662
Leu Pro Ser His Ser Asp Phe Leu Ala Glu Leu Arg
1 5 10

<210> 663
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 663
Leu Gln Asp Val His Val Ala Glu Gly Lys
1 5 10

<210> 664
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 664
Leu Val Thr Cys Thr Gly Tyr His Gln Val Arg
1   5   10

<210> 665
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 665
Ser Ile Gln Leu Pro Thr Thr Val Arg
1   5

<210> 666
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 666
Val Leu Ser Glu Leu Gly Arg
1   5

<210> 667
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 667
Trp Ala Pro Asn Glu Asn Lys Phe Ala Val Gly Ser Gly Ser Arg
1   5   10   15

<210> 668
<211> 23

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 668
Ala Gln Glu Leu Gln Gln Thr Gly Val Leu Gly Ala Phe Glu Ser Ser
1   5   10   15

Phe Trp His Met Gln Glu Lys
            20

<210> 669
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 669
Ala Ser Ala Ala Ala Ala Ala Gly Gly Gly Ala Thr Gly His Pro Gly
1   5   10   15

Gly Gly Gln Gly Ala Glu Asn Pro Ala Gly Leu Lys
            20   25

<210> 670
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 670
Glu Ala Glu Asn Phe His Glu Glu Asp Asp Val Asp Val Arg Pro Ala
1   5   10   15

Arg

<210> 671
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   671
Glu Arg Leu Pro Ser His Ser Asp Phe Leu Ala Glu Leu Arg
1   5   10

<210> 672
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   672
Glu Trp Ser Leu Glu Ser Ser Pro Ala Gln Asn Trp Thr Pro Pro Gln
1   5   10   15

Pro Arg

<210> 673
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   673
Phe Tyr Ala Leu Ser Ala Ser Phe Glu Pro Phe Ser Asn Lys Gly
1   5   10   15

<210> 674
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 674
Gly Ile Ser Leu Asn Pro Glu Gln Trp Ser Gln Leu Lys Glu Gln Ile
1   5   10   15

Ser Asp Ile Asp Asp Ala Val Arg
            20

<210> 675
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 675
His Pro Leu Leu Val Gly His Met Pro Val Met Val Ala Lys
1   5   10

<210> 676
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 676
Ile Ala His Gly Asn Ser Ser Ile Ile Ala Asp Arg
1   5   10

<210> 677
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 677
Ile Tyr Ala Asp Ser Leu Lys Pro Asn Ile Pro Tyr Lys
1   5   10

<210> 678
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 678
Leu Ala Ile Leu Asp Ser Gln Ala Gly Gln Ile Arg
1   5   10

<210> 679
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 679
Asn Met Val Val Asp Asp Asp Ser Pro Glu Met Tyr Lys
1   5   10

<210> 680
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 680
Asn Arg Leu Asp Cys Thr Gln Cys Leu Gln His Pro Trp Leu Met Lys
1   5   10   15

<210> 681
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 681
Pro Val Leu Leu Gln Val Ala Glu Ser Ala Tyr Arg
1   5   10

<210> 682
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 682
Gln Glu Pro Leu Gly Ser Asp Ser Glu Gly Val Asn Cys Leu Ala Tyr
1   5   10   15

Asp Glu Ala Ile Met Ala Gln Gln Asp Arg
            20   25

<210> 683
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 683
Gln Glu Val Glu Glu Leu Trp Ile Gly Leu Asn Asp Leu Lys
1   5   10

<210> 684
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 684
Ser Phe Val Ile His Asn Leu Pro Val Leu Ala Lys
1   5   10

<210> 685
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 685
Ser Thr Thr Phe His Ser Ser Pro Arg
1   5

<210> 686
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 686
Ser Thr Thr Phe His Ser Ser Pro Arg
1   5

<210> 687
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 687
Ser Thr Thr Phe His Ser Ser Pro Arg
1   5

<210> 688
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 688
Thr Ala Ala Gly Leu Met His Thr Phe Asn Ala His Ala Ala Thr Asp
1   5   10   15

Ile Thr Gly Phe Gly Ile Leu Gly His Ala Gln Asn Leu Ala Lys
            20   25   30

<210> 689
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 689
Thr Gly Ala Phe Gly Leu Arg
1   5

<210> 690
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 690
Thr Ser Leu Thr Val Val Leu Leu Arg
1   5

<210> 691
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 691
Val Pro Pro Leu Leu Ile Tyr Gly Pro Phe Gly Thr Gly Lys
1   5   10

<210> 692
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 692
Val Pro Ser Phe Ala Ala Gly Arg
1 5

<210> 693
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 693
Val Pro Val Gly Asp Gln Pro Pro Asp Ile Glu Phe Gln Ile Arg
1 5 10 15

<210> 694
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 694
Val Tyr Asp Pro Ala Ser Pro Gln Arg
1 5

<210> 695
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 695
Trp Phe Tyr Ile Asp Phe Gly Gly Val Lys Pro Met Gly Ser Glu Pro
1   5   10   15

Val Pro Lys

<210> 696
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 696
Trp Thr Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro Ser Thr Pro Ala
1   5   10   15

Ala Pro Lys

<210> 697
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 697
Tyr Asp Asn Gln Trp Phe His Gly Cys Thr Ser Thr Gly Arg
1   5   10

<210> 698
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 698
Tyr Phe Ser Tyr Asp Cys Gly Ala Asp Phe Pro Gly Val Pro Leu Ala

1 5 10 15

Pro Pro Arg

<210> 699
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 699
Tyr Gly Asp Glu Glu Lys Asp Lys Gly Leu Gln Thr Ser Gln Asp Ala
1 5 10 15

Arg

<210> 700
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 700
Tyr Leu Glu Thr Ala Asp Tyr Ala Ile Arg
1 5 10

<210> 701
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 701
Ala Lys Gln Pro Asp Leu Ala Pro Gly Leu Thr Thr Ile Gly Ala Ser
1 5 10 15

Pro Thr Gln Thr Val Thr Leu Val Thr Gln Pro Val Val Thr Lys

20 25 30

<210> 702
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 702
Ala Ser Pro Leu Leu Pro Ala Asn His Val Thr Met Ala Lys
1 5 10

<210> 703
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 703
Ala Val Leu Glu Leu Leu Gln Arg Pro Gly Asn Ala Arg
1 5 10

<210> 704
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 704
Cys Phe Gln Val Gln Gly Gln Glu Pro Gln Ser Arg
1 5 10

<210> 705
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 705
Asp Lys Gly Leu Gln Thr Ser Gln Asp Ala Arg
1   5   10

<210> 706
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 706
Asp Leu Thr Ala Leu Ser Asn Met Leu Pro Lys
1   5   10

<210> 707
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 707
Asp Pro Phe Ser Leu Asp Ala Leu Ser Lys
1   5   10

<210> 708
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 708
Phe Gly Asp Pro Leu Gly Tyr Glu Asp Val Ile Pro Glu Ala Asp Arg
1   5   10   15

<210> 709
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 709
Phe Gly Leu Tyr Leu Pro Leu Phe Lys
1 5

<210> 710
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 710
Phe Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys
1 5 10

<210> 711
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 711
Gly Ala Val Tyr Leu Phe His Gly Thr Ser Gly Ser Gly Ile Ser Pro
1 5 10 15

Ser His Ser Gln Arg
20

<210> 712
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 712
His Leu Cys Glu Leu Leu Ala Gln Gln Phe
1   5   10

<210> 713
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 713
Ile Leu Asp Gln Glu Asn Leu Ser Ser Thr Ala Leu Val Lys
1   5   10

<210> 714
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 714
Ile Ser Glu Thr Thr Met Leu Gln Ser Gly Met Lys
1   5   10

<210> 715
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 715
Ile Ser Tyr His Gly Ser Cys Pro Gln Gly Leu Ala Asp Ser Ala Trp
1   5   10   15

Ile Pro Phe Arg

20

<210> 716
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 716
Lys Gln Asn Trp Phe Glu Ala Phe Glu Ile Leu Asp Lys
1 5 10

<210> 717
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 717
Pro Ile Ser Leu Val Phe Leu Val Pro Val Arg
1 5 10

<210> 718
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 718
Ser Lys Glu Ser Ser Gln Val Thr Ser Arg
1 5 10

<210> 719
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 719
Ser Pro Pro Pro Cys Thr Tyr Gly Arg
1   5

<210> 720
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 720
Ser Gln Leu Asn Cys Leu Leu Leu Ser Gly Arg
1   5   10

<210> 721
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 721
Thr Pro Leu Ser Ala Ala Ala His Thr His Pro Val Tyr Cys Val Asn
1   5   10   15

Val Val Gly Thr Gln Asn Ala His Asn Leu Ile Thr Val Ser Thr Asp
            20   25   30

Gly Lys

<210> 722
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 722
Val Asn Tyr Asp Glu Glu Asn Trp Arg
1   5

<210> 723
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 723
Val Ser Phe Val Ile His Asn Leu Pro Val Leu Ala Lys
1   5   10

<210> 724
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 724
Val Thr Leu Arg Pro Tyr Leu Thr Pro Asn Asp Arg
1   5   10

<210> 725
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 725
Trp Asn Val Ile Asn Trp Glu Asn Val Thr Glu Arg
1   5   10

<210> 726
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   726
Ala Asp Thr Asp Gly Gly Leu Ile Phe Arg
1   5   10

<210> 727
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   727
Ala Gly Tyr Thr Gly Leu Arg
1   5

<210> 728
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   728
Ala Val Glu Ser Ser Lys Pro Leu Ser Asn Ala Gln Pro Ser Gly Pro
1   5   10   15

Leu Lys Pro Val Gly Asn Ala Lys
            20

<210> 729
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 729
Cys Ser Glu Gly Phe Val Leu Ala Glu Asp Gly Arg Arg
1   5   10

<210> 730
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 730
Asp Leu Met Val Leu Asn Asp Val Tyr Arg
1   5   10

<210> 731
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 731
Phe Pro Ala Glu Gln Tyr Tyr Arg
1   5

<210> 732
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 732
Phe Thr Gly His Cys Ser Cys Arg Pro Gly Val Ser Gly Val Arg
1   5   10   15

<210> 733
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 733
Gly Asp Pro Gly Asp Thr Gly Ala Pro Gly Pro Val Gly Met Lys
1   5   10   15

<210> 734
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 734
Gly Gly Pro Ser Leu Ser Ser Val Leu Asn Glu Leu Pro Ser Ala Ala
1   5   10   15

Thr Leu Arg

<210> 735
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 735
Ile Lys Asp Pro Asp Ala Ser Lys Pro Glu Asp Trp Asp Glu Arg Ala
1   5   10   15

Lys

<210> 736
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 736
Ile Leu Cys Ile Gly Ala Val Pro Gly Leu Gln Pro Arg
1   5   10

<210> 737
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 737
Ile Gln Ser Asp Leu Thr Ser His Glu Ile Ser Leu Glu Glu Met Lys
1   5   10   15

Lys

<210> 738
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 738
Ile Thr Gly His Phe Tyr Ala Cys Gln Val Ala Gln Arg
1   5   10

<210> 739
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 739
Lys Val Val Gly Asp Val Ala Tyr Asp Glu Ala Lys Glu Arg

1 5 10

<210> 740
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 740
Leu Asp Thr Asp Ile Leu Leu Gly Ala Thr Cys Gly Leu Lys
1 5 10

<210> 741
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 741
Leu Val Ser Ala Val Val Glu Tyr Gly Gly Lys
1 5 10

<210> 742
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 742
Met Leu Gly Val Ala Ala Gly Met Thr His Ser Asn Met Ala Asn Ala
1 5 10 15

Leu Ala Ser Ala Thr Cys Glu Arg
20

<210> 743
<211> 16

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   743
Asn Ile Pro Asn Gly Leu Gln Glu Phe Leu Asp Pro Leu Cys Gln Arg
1   5   10   15

<210> 744
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   744
Gln Ala Asp Ile Ile Gly Lys Pro Ser Arg
1   5   10

<210> 745
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   745
Gln Glu Ile Ser Ile Met Asn Cys Leu His His Pro Lys
1   5   10

<210> 746
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   746
Gln Ile Val Ser Glu Met Leu Arg

1 5

<210> 747
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 747
Arg Ala Glu Gln Leu Leu Gln Asp Ala Arg
1 5 10

<210> 748
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 748
Arg Phe Glu Asn Ala Pro Asp Ser Ala Lys
1 5 10

<210> 749
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 749
Ser Gly Ala Pro Trp Phe Lys
1 5

<210> 750
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 750
Ser Ile Val Glu His Val Ala Ser Lys
1   5

<210> 751
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 751
Ser Leu Val Gly Leu Ser Gln Glu Arg
1   5

<210> 752
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 752
Thr Val Asn Glu Leu Gln Asn Leu Ser Ser Ala Glu Val Val Val Pro
1   5   10   15

Arg

<210> 753
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 753
Val Ile Ala Val Val Asn Lys

1 5

<210> 754
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 754
Val Ser His Ser Glu Leu Arg
1 5

<210> 755
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 755
Trp Ser Asp Gly Val Gly Phe Ser Tyr His Asn Phe Asp Arg
1 5 10

<210> 756
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 756
Tyr Gly Ala Asp Asp Ile Glu Leu Leu Pro Glu Ala Gln His Lys
1 5 10 15

<210> 757
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 757
Ala Lys Pro Glu Ala Ser Phe Gln Val Trp Asn Lys
1   5   10

<210> 758
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 758
Ala Leu Gln Leu Ser Asn Ser Pro Gly Ala Ser Ser Ala Phe Leu Lys
1   5   10   15

<210> 759
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 759
Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu
1   5   10   15

His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser Gly Gly Lys
            20   25   30

<210> 760
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 760
Ala Val Glu Met Ala Ala Gln Arg

1 5

<210> 761
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 761
Ala Val Leu Glu Leu Leu Gln Arg
1 5

<210> 762
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 762
Ala Tyr Ala Gln Gln Leu Ala Asp Trp Ala Arg
1 5 10

<210> 763
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 763
Asp His Ser Ala Ile Pro Val Ile Asn Arg
1 5 10

<210> 764
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 764
Asp Leu Arg Asp Pro Ala Val Cys Arg
1   5

<210> 765
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 765
Phe Gly Ser Cys Val Pro His Thr Thr Arg Pro Arg
1   5   10

<210> 766
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 766
Gly Pro Gln Tyr Gly Thr Leu Glu Lys
1   5

<210> 767
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 767
His Trp Asp Asp Val Val Cys Glu Ser Arg
1   5   10

<210> 768
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 768
Ile Val Leu Tyr Gln Thr Asp Ala Ser Leu Thr Pro Trp Thr Val Arg
1 5 10 15

<210> 769
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 769
Lys Val His Ser Pro Gln Gln Val Asp Phe Arg
1 5 10

<210> 770
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 770
Leu Cys Thr Asp His Gly Ser Gln Leu Val Thr Ile Thr Asn Arg
1 5 10 15

<210> 771
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 771
Leu Asp Phe Leu Pro Asp Met Met Val Glu Gly Arg
1   5   10

<210> 772
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 772
Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys Pro Tyr Phe Ser
1   5   10   15

Lys

<210> 773
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 773
Leu Glu Val Asp Ala Ile Val Asn Ala Ala Asn Ser Ser Leu Leu Gly
1   5   10   15

Gly Gly Gly Val Asp Gly Cys Ile His Arg
            20   25

<210> 774
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 774
Leu Leu His Glu Met Gln Ile Gln His Pro Thr Ala Ser Leu Ile Ala

1 5 10 15

Lys

<210> 775
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 775
Leu Leu Val Glu Glu Leu Pro Leu Arg
1 5

<210> 776
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 776
Leu Met Asn Ser Gln Leu Val Thr Thr Glu Lys
1 5 10

<210> 777
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 777
Leu Ser Asn Pro Pro Ser Ala Gly Pro Ile Val Val His Cys Ser Ala
1 5 10 15

Gly Ala Gly Arg
20

<210> 778
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 778
Leu Ser Pro Ser Ser Thr Glu Thr Thr Thr Leu Pro Gly Ser Pro Thr
1   5   10   15

Thr Pro Ser Leu Ser Glu Lys
            20

<210> 779
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 779
Leu Ser Pro Ser Ser Thr Glu Thr Thr Thr Leu Pro Gly Ser Pro Thr
1   5   10   15

Thr Pro Ser Leu Ser Glu Lys
            20

<210> 780
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 780
Leu Ser Pro Ser Ser Thr Glu Thr Thr Thr Leu Pro Gly Ser Pro Thr
1   5   10   15

Thr Pro Ser Leu Ser Glu Lys
            20

<210> 781
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 781
Leu Ser Pro Ser Ser Thr Glu Thr Thr Thr Leu Pro Gly Ser Pro Thr
1   5   10   15

Thr Pro Ser Leu Ser Glu Lys
            20

<210> 782
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 782
Met Tyr Leu Phe Tyr Gly Asn Lys
1   5

<210> 783
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 783
Pro Pro Leu Leu Leu Ile Leu Asp Arg
1   5

<210> 784
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 784
Pro Ser Leu Ser Leu Gly Thr Ile Thr Asp Glu Glu Met Lys
1   5   10

<210> 785
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 785
Gln Cys His Glu Cys Ile Glu His Ile Arg
1   5   10

<210> 786
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 786
Gln Gln Asn Gln Glu Leu Gln Glu Gln Leu Arg
1   5   10

<210> 787
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 787
Ser Phe Ala Pro Ile Leu Pro His Leu Ala Glu Glu Val Phe Gln His
1   5   10   15

Ile Pro Tyr

<210> 788
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 788
Ser Gly Leu Cys Pro His Val Val Val Leu Val Ala Thr Val Arg
1 5 10 15

<210> 789
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 789
Ser Ile Thr Ile Leu Ser Thr Pro Glu Gly Thr Ser Ala Ala Cys Lys
1 5 10 15

<210> 790
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 790
Ser Leu Glu Gly Ser Asp Asp Ala Val Leu Leu Gln Arg
1 5 10

<210> 791
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 791
Ser Met Asp Ala Glu Thr Tyr Val Glu Gly Gln Arg
1   5   10

<210> 792
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 792
Ser Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
1   5   10

<210> 793
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 793
Ser Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
1   5   10

<210> 794
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 794
Ser Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
1   5   10

<210> 795
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 795
Ser Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
1   5   10

<210> 796
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 796
Thr Gln Gly Ser Ser Thr Ser Trp Phe Gly Ser Asn Gln Ser Lys Pro
1   5   10   15

Glu Phe Thr Val Asp Leu Lys
            20

<210> 797
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 797
Val Ile Met Ile Val Thr Asp Gly Arg Pro Gln Asp Ser Val Ala Glu
1   5   10   15

Val Ala Ala Lys
            20

<210> 798
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   798
Val Pro Pro Pro Lys Pro Ala Thr Pro Asp Phe Arg
1   5   10

<210> 799
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   799
Trp Gly Phe Cys Pro Ile Lys
1   5

<210> 800
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   800
Tyr Ala Val Gln Val Ala Glu Gly Met Gly Tyr Leu Glu Ser Lys Arg
1   5   10   15

<210> 801
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   801
Ala Ala Glu Glu Ile Gly Ile Lys Ala Thr His Ile Lys Leu Pro Arg

1 5 10 15

<210> 802
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 802
Ala Gly Asp Ala Val Asn Val Val Val Thr Gly Gly Lys
1 5 10

<210> 803
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 803
Ala Gly Asp Thr Leu Ser Gly Thr Cys Leu Leu Ile Ala Asn Lys
1 5 10 15

<210> 804
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 804
Ala Gly Asp Thr Leu Ser Gly Thr Cys Leu Leu Ile Ala Asn Lys Arg
1 5 10 15

<210> 805
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 805
Ala Ile Asp Tyr Glu Ile Gln Arg
1   5

<210> 806
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 806
Ala Leu Glu Gln Ala Leu Glu Lys
1   5

<210> 807
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 807
Ala Leu Ser Ser Ala Gly Glu Arg
1   5

<210> 808
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 808
Cys Phe Leu Cys Asp Ser Arg
1   5

<210> 809
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 809
Asp Ala Glu Glu Trp Val Gln Gln Leu Lys
1   5   10

<210> 810
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 810
Asp Asp Glu Phe Thr His Leu Tyr Thr Leu Ile Val Arg Pro Asp Asn
1   5   10   15

Thr Tyr Glu Val Lys
            20

<210> 811
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 811
Asp Phe Gly Ser Phe Asp Lys Phe Lys Glu Lys
1   5   10

<210> 812
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 812
Asp Gly Asp Val Gln Ala Gly Ala Asn Leu Ser Phe Asn Arg
1   5   10

<210> 813
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 813
Glu Phe Ala Ser His Leu Gln Gln Leu Gln Asp Ala Leu Asn Glu Leu
1   5   10   15

Thr Glu Glu His Ser Lys
            20

<210> 814
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 814
Glu Thr Leu Pro Glu Leu Pro Ser Val Thr Arg
1   5   10

<210> 815
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 815
Gly Ala Pro Met His Asp Leu Leu Leu Trp Asn Asn Ala Thr Val Thr

1 5 10 15

Thr Cys His Ser Lys
20

<210> 816
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 816
His Lys Ser Asp Phe Gly Lys
1 5

<210> 817
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 817
Ile Ala Leu Glu Thr Ser Leu Ser Lys
1 5

<210> 818
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 818
Ile Gly Asp Phe Gly Leu Met Arg
1 5

<210> 819
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 819
Ile Leu Arg Glu Glu Gly Pro Lys
1   5

<210> 820
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 820
Lys Ser Glu Ala Pro Phe Thr His Lys
1   5

<210> 821
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 821
Leu Cys Gly Asp Leu Val Ser Cys Phe Gln Glu Arg
1   5   10

<210> 822
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 822
Leu Leu Asp Leu Leu Glu Gly Leu Thr Gly Gln Lys

1 5 10

<210> 823
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 823
Leu Leu Glu Gln Ser Ile Gln Ser Ala Gln Glu Thr Glu Lys
1 5 10

<210> 824
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 824
Leu Gln Ala Glu Asp Cys Ser Ile Ala Cys Leu Pro Arg
1 5 10

<210> 825
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 825
Met Asn Val Val Phe Ala Val Lys
1 5

<210> 826
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 826
Asn Pro Pro Ala Ala Tyr Ile Gln Lys
1   5

<210> 827
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 827
Asn Thr Ser Leu Asn Pro Gln Glu Leu Gln Arg
1   5   10

<210> 828
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 828
Asn Val Leu Ile Asn Lys Asp Ile Arg
1   5

<210> 829
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 829
Pro Ala Glu Thr Leu Lys Pro Met Gly Asn
1   5   10

<210> 830
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 830
Pro Ala Glu Thr Leu Lys Pro Met Gly Asn
1 5 10

<210> 831
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 831
Pro Phe Ser Leu Asp Ala Leu Ser Lys
1 5

<210> 832
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 832
Pro Leu Leu Pro Ala Asn His Val Thr Met Ala Lys
1 5 10

<210> 833
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 833
Pro Ser Gly Tyr Thr Cys Ala Cys Asp Ser Gly Phe Arg
1   5   10

<210> 834
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 834
Pro Ser Val Val Leu Ser Ala Ala His Thr Val Ala Ala Arg
1   5   10

<210> 835
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 835
Gln Ala Ser Asn Gly Val Leu Ile Arg
1   5

<210> 836
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 836
Gln Gly Leu Glu Leu Ala Ala Asp Cys His Leu Ser Arg
1   5   10

<210> 837
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 837
Gln Val Glu Glu Leu Leu Met Ala Met Glu Lys
1   5   10

<210> 838
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 838
Gln Val Glu Lys Glu Glu Thr Asn Glu Ile Gln Val Val Asn Glu Glu
1   5   10   15

Pro Gln Arg

<210> 839
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 839
Arg Leu Glu Ala Glu Phe Pro Pro His His Ser Gln Ser Thr Phe Arg
1   5   10   15

<210> 840
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 840
Ser Trp Asp Thr Asn Leu Ile Glu Cys Asn Leu Asp Gln Glu Leu Lys
1   5   10   15

<210> 841
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 841
Thr Gly Glu Pro Cys Val Ala Glu Leu Thr Glu Glu Asn Phe Gln Arg
1   5   10   15

<210> 842
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 842
Val Glu Cys Glu Pro Ser Trp Gln Pro Phe Gln Gly His Cys Tyr Arg
1   5   10   15

<210> 843
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 843
Val Arg Phe Thr Pro Val Val Cys Gly Leu Arg
1   5   10

<210> 844
<211> 7

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   844
Val Ser Leu Ser Gln Pro Arg
1   5

<210> 845
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   845
Ala Ala Glu Gly Tyr Thr Gln Phe Tyr Tyr Val Asp Val Leu Asp Gly
1   5   10   15

Lys

<210> 846
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   846
Ala Ala Leu Glu Glu Val Glu Gly Asp Val Ala Glu Leu Glu Leu Lys
1   5   10   15

<210> 847
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 847
Ala Glu Glu Phe Gly Asn Glu Thr Trp Gly Val Thr Lys
1   5   10

<210> 848
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 848
Ala Phe Glu Asp Trp Leu Asn Asp Asp Leu Gly Ser Tyr Gln Gly Ala
1   5   10   15

Gln Gly Asn Arg
            20

<210> 849
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 849
Ala Thr Gln Glu Trp Leu Glu Lys
1   5

<210> 850
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 850
Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly Gly Met Ser Ile Trp
1   5   10   15

Asp Val Lys

<210> 851
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 851
Asp Gln Leu Val Ile Pro Asp Gly Gln Glu Glu Glu Gln Glu Ala Ala
1   5   10   15

Gly Glu Gly Arg
            20

<210> 852
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 852
Glu Ala Gln Glu Ala Glu Ala Phe Ala Leu Tyr His Lys
1   5   10

<210> 853
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 853
Glu Gly Asn Cys Ser Gly Cys Ile Gln Asp Cys Asn Arg
1   5   10

<210> 854
<211> 22

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 854
Glu Gly Gln Ile Gln Ser Val Val Thr Tyr Asp Leu Ala Leu Asp Ser
1   5   10   15

Gly Arg Pro His Ser Arg
            20

<210> 855
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 855
Glu Ile Asp Ala Ala Leu Gln Lys Lys
1   5

<210> 856
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 856
Glu Arg Phe Gln Asn Leu Asp Lys Lys
1   5

<210> 857
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 857
Glu Thr Gln Pro Pro Asp Leu Pro Thr Thr Ala Leu Gly Gly Cys Pro
1   5   10   15

Ser Asp Trp Ile Gln Phe Leu Asn Lys
            20   25

<210> 858
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 858
Phe Arg Glu Phe Leu Glu Ser Gln Glu Asp Tyr Asp Pro Cys Trp Ser
1   5   10   15

Leu Gln Glu Lys
            20

<210> 859
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 859
Gly Gly Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His Lys
1   5   10

<210> 860
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 860
Gly Leu Asn Pro Gly Thr Leu Asn Ile Leu Val Arg

1 5 10

<210> 861
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 861
Gly Gln Leu Ala Pro Val Phe Gln Arg
1 5

<210> 862
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 862
Gly Ser Ala Ala Ser Thr Cys Ile Leu Thr Ile Glu Ser Lys
1 5 10

<210> 863
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 863
Ile Cys Gly Val Glu Asp Ala Val Ser Glu Met Thr Arg
1 5 10

<210> 864
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 864
Ile Ile Thr Glu Gly Phe Glu Ala Ala Lys Glu Lys
1   5   10

<210> 865
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 865
Ile Leu Lys Asp Ile Ala Asn Arg
1   5

<210> 866
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 866
Ile Gln Asp Leu Glu His His Leu Gly Leu Ala Leu Asn Glu Val Gln
1   5   10   15

Ala Ala Lys

<210> 867
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 867
Ile Val Asp Ala Val Ile Glu Gln Val Lys

1 5 10

<210> 868
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 868
Lys Val Asn Val Leu Gln Lys
1 5

<210> 869
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 869
Leu Leu Leu Gln Cys Gln Val Ser Ser Asp Pro Pro Ala Thr Ile Ile
1 5 10 15

Trp Thr Leu Asn Gly Lys
20

<210> 870
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 870
Leu Ser Phe Glu Glu Met Glu Arg
1 5

<210> 871
<211> 20

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   871
Leu Ser Pro Ile Pro Ala Val Pro Ala Ser Val Pro Leu Gln Ala Trp
1   5   10   15

His Pro Ala Lys
            20

<210> 872
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   872
Asn Gln Asp Asn Glu Asp Glu Trp Pro Leu Ala Glu Ile Leu Ser Val
1   5   10   15

Lys

<210> 873
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   873
Pro Thr Thr Leu Thr Asp Glu Glu Ile Asn Arg
1   5   10

<210> 874
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 874
Gln Ile Ile Glu Asp Gln Ser Gly His Tyr Ile Trp Val Pro Ser Pro
1   5   10   15

Glu Lys Leu

<210> 875
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 875
Gln Ile Gln Glu Ser Glu His Met Lys
1   5

<210> 876
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 876
Arg Asp Phe Gly Ser Phe Asp Lys
1   5

<210> 877
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 877
Arg Pro Gln Leu Glu Glu Leu Ile Thr Ala Ala Gln Asn Leu Lys

1 5 10 15

<210> 878
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 878
Arg Pro Tyr Trp Cys Ile Ser Arg
1 5

<210> 879
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 879
Ser Glu Glu Ser Thr Ala Ser His Ser Ser Gln Asp Ala Thr Gly Thr
1 5 10 15

Ile Val Leu Pro Ala Arg
20

<210> 880
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 880
Ser Glu Glu Ser Thr Ala Ser His Ser Ser Gln Asp Ala Thr Gly Thr
1 5 10 15

Ile Val Leu Pro Ala Arg
20

<210> 881
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 881
Ser Glu Glu Ser Thr Ala Ser His Ser Ser Gln Asp Ala Thr Gly Thr
1   5   10   15

Ile Val Leu Pro Ala Arg
            20

<210> 882
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 882
Ser Glu Glu Ser Thr Ala Ser His Ser Ser Gln Asp Ala Thr Gly Thr
1   5   10   15

Ile Val Leu Pro Ala Arg
            20

<210> 883
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 883
Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu Ala Tyr
1   5   10   15

<210> 884
<211> 19

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 884
Ser Gln Asp Ala Asp Ser Pro Gly Ser Ser Gly Ala Pro Glu Asn Leu
1   5   10   15

Thr Phe Lys

<210> 885
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 885
Thr Cys Tyr Pro Leu Glu Ser Arg Pro Ser Leu Ser Leu Gly Thr Ile
1   5   10   15

Thr Asp Glu Glu Met Lys
            20

<210> 886
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 886
Thr Gly Leu Phe Thr Pro Asp Met Ala Phe Glu Thr Ile Val Lys
1   5   10   15

<210> 887
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 887
Val Ala Thr Glu Ala Glu Phe Ser Pro Glu Asp Ser Pro Ser Val Arg
1   5   10   15

<210> 888
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 888
Val Pro Pro Pro Cys Asp Leu Gly Arg
1   5

<210> 889
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 889
Val Val Ser Asn Phe Ile Leu Gln Ala Leu Gln Gly Glu Pro Leu Thr
1   5   10   15

Val Tyr Gly Ser Gly Ser Gln Thr Arg
            20   25

<210> 890
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 890
Ala Ala Ile Val Phe Thr Asp Gly Arg

1 5

<210> 891
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 891
Ala Gly Lys Gly Glu Val Thr Phe Glu Asp Val Lys
1 5 10

<210> 892
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 892
Ala Ile Asp Leu Glu Ile Lys
1 5

<210> 893
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 893
Ala Ile Glu Glu Glu Leu Gln Glu Ile Ala Ser Glu Pro Thr Asn Lys
1 5 10 15

<210> 894
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 894
Ala Ser Phe Ile Thr Pro Val Pro Gly Gly Val Gly Pro Met Thr Val
1   5   10   15

Ala Met Leu Met Gln Ser Thr Val Glu Ser Ala Lys Arg
            20   25

<210> 895
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 895
Cys Ala Val Val Ser Ser Ala Gly Ser Leu Lys
1   5   10

<210> 896
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 896
Cys His Tyr Tyr Ala Asn Lys
1   5

<210> 897
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 897
Cys Leu Thr Ala Leu Pro Tyr Ile Cys Lys

1 5 10

<210> 898
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 898
Asp Glu Glu Leu Pro Thr Leu Leu His Phe Ala Ala Lys
1 5 10

<210> 899
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 899
Asp Lys Val Met Pro Leu Ile Ile Gln Gly Phe Lys
1 5 10

<210> 900
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 900
Asp Lys Val Val Ala Leu Ala Glu Gly Arg
1 5 10

<210> 901
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 901
Asp Gln Val Phe Gly Ser Asn Leu Ala Asn Leu Cys Gln Arg
1   5   10

<210> 902
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 902
Asp Val Phe Asn Val Glu Asp Gln Lys Arg
1   5   10

<210> 903
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 903
Glu Ala Glu Leu Glu Tyr Asn Pro Glu His Val Ser Arg
1   5   10

<210> 904
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 904
Glu Ala Thr Asp Val Ile Ile Ile His Ser Lys
1   5   10

<210> 905
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 905
Glu Gln Tyr Asp Val Pro Gln Glu Trp Arg
1 5 10

<210> 906
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 906
Glu Ser Pro Gln Asp Ser Ala Ile Thr Arg
1 5 10

<210> 907
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 907
Glu Val Val Leu Gln Trp Phe Thr Glu Asn Ser Lys
1 5 10

<210> 908
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 908
Glu Tyr Phe Thr Phe Pro Ala Ser Lys
1   5

<210> 909
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 909
Phe Phe Asp Ser Ala Cys Thr Met Gly Ala Tyr His Pro Leu Leu Tyr
1   5   10   15

Glu Lys

<210> 910
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 910
Phe Gly Ser Phe Asp Lys Phe Lys
1   5

<210> 911
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 911
Phe Ile Glu Ala Gly Gln Phe Asn Asp Asn Leu Tyr Gly Thr Ser Ile
1   5   10   15

Gln Ser Val Arg

20

<210> 912
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 912
Phe Ile Pro Gly Ser Ala Leu Asn Gly Met Val Glu Met Met Asp Arg
1 5 10 15

<210> 913
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 913
Gly His Leu Gln Ile Ala Ala Cys Pro Asn Gln Asp
1 5 10

<210> 914
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 914
Gly Ser Trp Gln Pro Val Gly Asp Leu Leu Ile Asp Ser Leu Gln Asp
1 5 10 15

His Leu Glu Lys
20

<210> 915
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   915
His Val Val Pro Gly Val Glu Arg
1   5

<210> 916
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   916
Ile Asp Tyr Gly Thr Gly His Glu Ala Ala Phe Ala Ala Phe Leu Cys
1   5   10   15

Cys Leu Cys Lys
            20

<210> 917
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   917
Ile Val Gly Asn Gly Ser Glu Gln Gln Leu Gln Lys
1   5   10

<210> 918
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 918
Lys Glu Ser Glu Glu Thr Ile Ile Gln Thr Asp Glu Asp Val Pro Gly
1   5   10   15

Pro Val Pro Val Lys
            20

<210> 919
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 919
Leu Glu Pro Ala Gly Pro Ala Cys Pro Glu Gly Gly Arg
1   5   10

<210> 920
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 920
Leu Glu Thr Leu Thr Asn Gln Phe Ser Asp Ser Lys
1   5   10

<210> 921
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 921
Leu Phe Ser Gly Ser Gln Val Arg
1   5

<210> 922
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 922
Leu Leu Glu Ile Leu Lys
1   5

<210> 923
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 923
Leu Leu Gln Gln Phe Pro Leu Asp Leu Glu Lys
1   5   10

<210> 924
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 924
Leu Leu Thr Glu Ser Val Asn Ser Val Ile Ala Gln Ala Pro Pro Val
1   5   10   15

Ala Gln Glu Ala Leu Lys Lys
            20

<210> 925
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 925
Leu Pro Val Glu Asp Lys Ile Arg
1   5

<210> 926
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 926
Leu Pro Tyr Gly Gly Gln Cys Arg
1   5

<210> 927
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 927
Leu Ser Thr Ala Ile Thr Leu Leu Pro Leu Glu Glu Gly Arg
1   5   10

<210> 928
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 928
Leu Thr Ala Ser Ser Thr Cys Gly Leu Asn Gly Pro Gln Pro Tyr Cys
1   5   10   15

Ile Val Ser His Leu Gln Asp Glu Lys Lys

20 25

<210> 929
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 929
Leu Val Thr Pro His Gly Glu Ser Glu Gln Ile Gly Val Ile Pro Ser
1 5 10 15

Lys

<210> 930
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 930
Asn Ala Glu Val Arg Pro Pro Phe Thr Tyr Ala Ser Leu Ile Arg
1 5 10 15

<210> 931
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 931
Pro Ala Glu Thr Leu Lys Pro Met Gly Asn Ala Lys Pro Asp Glu Asn
1 5 10 15

Leu Lys

<210> 932
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 932
Pro Gly Gly Ala Gly Pro Cys Ala Thr Val Ser Val Phe Pro Gly Ala
1   5   10   15

Arg

<210> 933
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 933
Gln Glu Leu Asn Thr Ile Ala Ser Lys Pro Pro Arg
1   5   10

<210> 934
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 934
Arg Phe Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys Lys
1   5   10   15

<210> 935
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 935
Arg Val Pro Pro Pro Cys Ala Pro Gly Arg
1   5   10

<210> 936
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 936
Ser Cys His Ala Gly Phe Gly Ser Pro Ala Gly Trp Asp Val Pro Val
1   5   10   15

Gly Ala Leu Ile Gln Arg
            20

<210> 937
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 937
Ser Phe Gly His Phe Pro Gly Pro Glu Phe Leu Asp Val Glu Lys
1   5   10   15

<210> 938
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 938
Ser Ile Thr Glu Val Gly Glu Ala Leu Lys

1 5 10

<210> 939
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 939
Ser Leu Gln Ala Asp Thr Thr Asn Thr Asp Thr Ala Leu Thr Thr Leu
1 5 10 15

Glu Glu Ala Leu Ala Glu Lys Glu Arg
20 25

<210> 940
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 940
Ser Ser Asn Leu Leu Asp Leu Lys Asn Pro Phe Phe Arg
1 5 10

<210> 941
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 941
Thr Gly Tyr Ala Phe Val Asp Cys Pro Asp Glu Ser Trp Ala Leu Lys
1 5 10 15

<210> 942
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   942
Thr Gln Val Thr Phe Phe Phe Pro Leu Asp Leu Ser Tyr Arg
1   5   10

<210> 943
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   943
Thr Ser Lys Asp Asp Leu Leu Leu Thr Asp Phe Glu Gly Ala Leu Lys
1   5   10   15

<210> 944
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   944
Thr Val Thr Ile Asn Thr Glu Gln Lys
1   5

<210> 945
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   945
Val Ala Asp Leu Leu Gln His Ile Asn Leu Met Lys

1 5 10

<210> 946
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 946
Val Asp Ala Asn Ile Ser Val His His Pro Gly Glu Pro Leu Gly Val
1 5 10 15

Arg

<210> 947
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 947
Val Met Val Gly Asp Leu Glu Asp Ile Asn Glu Met Ile Ile Lys
1 5 10 15

<210> 948
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 948
Val Val Gly Asp Val Ala Tyr Asp Glu Ala Lys Glu Arg
1 5 10

<210> 949
<211> 6

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 949
Val Tyr Leu Leu Tyr Arg
1   5

<210> 950
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 950
Trp Ala Asn Gly Leu Ser Glu Glu Lys Pro Leu Ser Val Pro Arg
1   5   10   15

<210> 951
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 951
Trp Ala Pro Asn Glu Asn Lys
1   5

<210> 952
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 952
Trp Cys Val Leu Ser Thr Pro Glu Ile Gln Lys

1 5 10

<210> 953
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 953
Trp Met Asp Pro Glu Gly Glu Met Lys Pro Gly Arg
1 5 10

<210> 954
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 954
Trp Val Leu Leu Gln Asp Ile Leu Leu Lys
1 5 10

<210> 955
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 955
Tyr Glu Glu Gln Arg Pro Ser Leu Lys
1 5

<210> 956
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 956
Tyr Gly Leu Leu Asn Val Thr Lys
1   5

<210> 957
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 957
Tyr Gln His Ile Gly Leu Val Ala Met Phe Arg
1   5   10

<210> 958
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 958
Tyr Val Pro Ala Ile Ala His Leu Ile His Ser Leu Asn Pro Val Arg
1   5   10   15

<210> 959
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 959
Ala Ala Ile Leu Gln Thr Glu Val Asp Ala Leu Arg
1   5   10

<210> 960
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 960
Ala Asp Gly Gly Pro Glu Ala Gly Glu Leu Pro Ser Ile Gly Glu Ala
1   5   10   15

Thr Ala Ala Leu Ala Leu Ala Gly Arg
            20   25

<210> 961
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 961
Ala Glu Asn Tyr Trp Trp Arg
1   5

<210> 962
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 962
Ala Glu Gln Pro Pro His Leu Thr Pro Gly Ile Arg
1   5   10

<210> 963
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 963
Ala Ile Glu Ala Leu Ser Gly Lys
1   5

<210> 964
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 964
Ala Ile Gly Asn Ile Glu Leu Gly Ile Arg
1   5   10

<210> 965
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 965
Ala Met Asn Asn Ser Trp His Pro Glu Cys Phe Arg
1   5   10

<210> 966
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 966
Ala Pro Asn Leu Ser Ser Gly Asn Val Ser Leu Lys
1   5   10

<210> 967
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 967
Ala Gln Val Ala His Ala Asp Gln Gln Leu Arg
1 5 10

<210> 968
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 968
Ala Arg Glu His Phe Gly Thr Val Lys
1 5

<210> 969
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 969
Ala Arg Phe Glu Gln Met Ala Lys Ala Arg Glu Glu
1 5 10

<210> 970
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 970
Ala Ser Phe Ala Asn Glu Asp Gly Gln Val Ser Pro Gly Ser Leu Leu
1   5   10   15

Leu Ala Gly Ala Ile Ala Gly Met Pro Ala Ala Ser Leu Val Thr Pro
            20   25   30

Ala Asp Val Ile Lys
        35

<210> 971
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 971
Ala Val Val Val Gly Phe Asp Pro His Phe Ser Tyr Met Lys
1   5   10

<210> 972
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 972
Asp Asp Leu Leu Leu Thr Asp Phe Glu Gly Ala Leu Lys
1   5   10

<210> 973
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 973
Asp Asn Glu Glu Thr Gly Phe Gly Ser Gly Thr Arg

1 5 10

<210> 974
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 974
Asp Val Asp Gly Leu Thr Ser Ile Asn Ala Gly Lys
1 5 10

<210> 975
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 975
Glu Ala Gly Ile Gln Pro Ser Leu Leu Cys Val Arg
1 5 10

<210> 976
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 976
Glu Asp Phe Asn Ser Lys His Met Ala Asn Gln Arg Ala Leu Gly Lys
1 5 10 15

<210> 977
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 977
Glu Glu Gly Asp Leu Gly Pro Val Tyr Gly Phe Gln Trp Arg
1   5   10

<210> 978
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 978
Glu Glu Leu Ser Ser Gly Asp Ser Leu Ser Pro Asp Pro Trp Lys
1   5   10   15

<210> 979
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 979
Glu Leu Gln Lys Ala Val Glu Glu Met Lys
1   5   10

<210> 980
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 980
Glu Asn Ser Met Leu Arg Glu Glu Met His Arg Arg Phe Glu Asn Ala
1   5   10   15

Pro Asp Ser Ala Lys Thr Lys

20

<210> 981
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 981
Glu Gln Ile Ser Asp Ile Asp Asp Ala Val Arg Lys
1 5 10

<210> 982
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 982
Glu Val Val Asp Ala Gly Leu Val Gly Leu Glu Arg
1 5 10

<210> 983
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 983
Phe Glu Ala Leu Gln Ala Pro Ala Cys His Glu Asn Met Val Lys
1 5 10 15

<210> 984
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 984
Phe His Leu Cys Ser Val Ala Thr Arg
1   5

<210> 985
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 985
Phe Asn Leu Asp Thr Glu Asn Ala Met Thr Phe Gln Glu Asn Ala Arg
1   5   10   15

<210> 986
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 986
Phe Thr Glu Glu Ile Pro Leu Lys
1   5

<210> 987
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 987
Gly Ala Leu Thr Ser Thr Pro Tyr Ser Pro Thr Gln His Leu Glu Arg
1   5   10   15

<210> 988
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 988
Gly Asp Glu Gly Pro Ile Gly His Gln Gly Pro Ile Gly Gln Glu Gly
1   5   10   15

Ala Pro Gly Arg
            20

<210> 989
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 989
Gly Asp Ser Gly Gln Pro Leu Phe Leu Thr Pro Tyr Ile Glu Ala Gly
1   5   10   15

Lys

<210> 990
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 990
Gly Glu Pro Val Ser Ala Glu Asp Leu Gly Val Ser Gly Ala Leu Thr
1   5   10   15

Val Leu Met Lys
            20

<210> 991
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 991
Gly Phe Ser Gly Ile Phe Pro Ala Cys His Pro Cys His Ala Cys Phe
1   5   10   15

Gly Asp Trp Asp Arg
            20

<210> 992
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 992
Gly Ile Asp Thr Pro Gln Cys His Arg
1   5

<210> 993
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 993
Gly Trp Asp Ser Ser His Glu Asp Asp Leu Pro Val Tyr Leu Ala Arg
1   5   10   15

<210> 994
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 994
His Glu Gln Asn Ile Asp Cys Gly Gly Gly Tyr Val
1   5   10

<210> 995
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 995
His Leu Asn Gln Gly Thr Asp Glu Asp Ile Tyr Leu Leu Gly Lys
1   5   10   15

<210> 996
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 996
Ile Ala Glu Leu Gln Gln Arg
1   5

<210> 997
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 997
Ile Leu Val Val Ile Thr Asp Gly Glu Lys
1   5   10

<210> 998
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 998
Ile Asn Asp Ala Phe Asn Leu Ala Ser Ala His Lys
1   5   10

<210> 999
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 999
Ile Asn Leu Pro Ala Pro Asn Pro Asp His Val Gly Gly Tyr Lys
1   5   10   15

<210> 1000
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1000
Ile Gln Glu Ile Leu Thr Gln Val Lys
1   5

<210> 1001
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1001
Ile Gln Pro Thr Thr Pro Ser Glu Pro Thr Ala Ile Lys
1   5   10

<210> 1002
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1002
Ile Ser Pro Gly Ser Thr Glu Ile Thr Thr Leu Pro Gly Ser Thr Thr
1   5   10   15

Thr Pro Gly Leu Ser Glu Ala Ser Thr Thr Phe Tyr Ser Ser Pro Arg
            20   25   30

<210> 1003
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1003
Ile Ser Pro Gly Ser Thr Glu Ile Thr Thr Leu Pro Gly Ser Thr Thr
1   5   10   15

Thr Pro Gly Leu Ser Glu Ala Ser Thr Thr Phe Tyr Ser Ser Pro Arg
            20   25   30

<210> 1004
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1004
Ile Ser Pro Gly Ser Thr Glu Ile Thr Thr Leu Pro Gly Ser Thr Thr

1 5 10 15

Thr Pro Gly Leu Ser Glu Ala Ser Thr Thr Phe Tyr Ser Ser Pro Arg
20 25 30

<210> 1005
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1005
Ile Ser Pro Gly Ser Thr Glu Ile Thr Thr Leu Pro Gly Ser Thr Thr
1 5 10 15

Thr Pro Gly Leu Ser Glu Ala Ser Thr Thr Phe Tyr Ser Ser Pro Arg
20 25 30

<210> 1006
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1006
Ile Ser Ser Met Glu Arg Gly Leu Arg
1 5

<210> 1007
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1007
Ile Val Leu Asp Val Gly Cys Gly Ser Gly Ile Leu Ser Phe Phe Ala
1 5 10 15

Ala Gln Ala Gly Ala Arg

20

<210> 1008
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1008
Ile Tyr Gly Ala Asp Asp Ile Glu Leu Leu Pro Glu Ala Gln His Lys
1 5 10 15

Ala Glu Val Tyr Thr Lys
20

<210> 1009
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1009
Lys Asp Val Lys Leu Asp Lys
1 5

<210> 1010
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1010
Lys Phe Gln Glu Thr Glu Gln Thr Ile Gln Lys
1 5 10

<210> 1011
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1011
Lys Phe Ser Tyr Asp Leu Ser Gln Cys Ile Asn Gln Met Lys
1   5   10

<210> 1012
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1012
Lys Leu Pro Ala Glu Asn Gly Ser Ser Ser Ala Glu Thr Leu Asn Ala
1   5   10   15

Lys

<210> 1013
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1013
Lys Leu Thr Glu Leu Glu Asn Glu Leu Asn Thr Lys
1   5   10

<210> 1014
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1014
Lys Gln Thr Glu Asn Pro Lys
1   5

<210> 1015
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1015
Lys Gln Val Thr Pro Leu Phe Ile His Phe Arg
1   5   10

<210> 1016
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1016
Lys Arg Val Glu Asp Ala Tyr Ile Leu Thr Cys Asn Val Ser Leu Glu
1   5   10   15

Tyr Glu Lys

<210> 1017
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1017
Lys Val Pro Phe Ala Trp Cys Ala Pro Glu Ser Leu Lys
1   5   10

<210> 1018
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1018
Leu Ala Gly Ala Pro Ala Pro Lys
1   5

<210> 1019
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1019
Leu His Glu Leu Tyr Glu Lys Val Phe Ser Arg Arg Ala Asp Arg
1   5   10   15

<210> 1020
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1020
Leu Leu Asp Pro Glu Asp Val Asp Thr Thr Tyr Pro Asp Lys Lys
1   5   10   15

<210> 1021
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1021
Leu Leu Glu Ser Leu Gln Glu Asn His Phe Gln Glu Asp Glu Gln Phe
1   5   10   15

Leu Gly Ala Val Met Pro Arg
            20

<210> 1022
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1022
Leu Leu Gln Val Ala Val Glu Asp Arg
1   5

<210> 1023
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1023
Leu Leu Val Ser Asp Ile Gln Thr Ile Gln Pro Ser Leu Asn Ser Val
1   5   10   15

Asn Glu Gly Gly Gln Lys
            20

<210> 1024
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1024
Leu Asn Leu His Ser Ala Asp Trp Gln Arg

1 5 10

<210> 1025
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1025
Leu Pro Ala Glu Asn Gly Ser Ser Ser Ala Glu Thr Leu Asn Ala Lys
1 5 10 15

<210> 1026
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1026
Leu Pro Leu Glu Asp Ala Asp Ile Ile Lys
1 5 10

<210> 1027
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1027
Leu Pro Leu Gln Met Ala Leu Thr Glu Leu Glu Thr Leu Ala Glu Lys
1 5 10 15

<210> 1028
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1028
Leu Pro Thr Glu Trp Asn Val Leu Gly Thr Asp Gln Ser Leu His Asp
1   5   10   15

Ala Gly Pro Arg
            20

<210> 1029
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1029
Leu Gln Glu Ala Leu Ser Gln Leu Asp Phe Gln Trp Glu Lys
1   5   10

<210> 1030
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1030
Leu Gln Glu Pro Ser Ala Gln Ala Asn Cys Cys Asp Ser Glu Lys Asn
1   5   10   15

Gly Asp Ile Gly Gln Gln Ile Lys
            20

<210> 1031
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1031
Leu Gln Ser Gln Val Ile Ser Glu Leu Asp Ala Cys Lys Glu Cys Thr
1   5   10   15

Gln Gly Val Gln Arg
            20

<210> 1032
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1032
Leu Tyr Ile Gly Asn Leu Ser Glu Asn Ala Ala Pro Ser Asp Leu Glu
1   5   10   15

Ser Ile Phe Lys
            20

<210> 1033
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1033
Met Leu Glu Ser Tyr Leu His Ala Lys
1   5

<210> 1034
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1034
Asn Leu Leu Leu Ala Thr Arg

1 5

<210> 1035
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1035
Asn Val Leu Leu His Glu Met Gln Ile Gln His Pro Thr Ala Ser Leu
1 5 10 15

Ile Ala Lys

<210> 1036
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1036
Gln Lys Pro Cys Asp Leu Pro Leu Arg
1 5

<210> 1037
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1037
Gln Pro Ala Ala Phe Ile Val Thr Gln Tyr Pro Leu Pro Asn Thr Val
1 5 10 15

Lys

<210> 1038
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1038
Gln Gln Leu Gly His Ile Glu Ala Trp Ala Glu Lys
1 5 10

<210> 1039
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1039
Gln Arg Glu Glu His Tyr Phe Cys Lys
1 5

<210> 1040
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1040
Gln Val Phe His Ala Leu Glu Asp Glu Leu Gln Lys
1 5 10

<210> 1041
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1041
Gln Trp Met Glu Asn Pro Asn Asn Asn Pro Ile His Pro Asn Leu Arg
1   5   10   15

<210> 1042
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1042
Ser Ala Gln Ala Leu Val Glu Gln Met Val Asn Glu Gly Val Asn Ala
1   5   10   15

Asp Ser Ile Lys
            20

<210> 1043
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1043
Ser Ala Thr Ser Val Leu Val Gly Glu Pro Thr Thr Ser Pro Ile Ser
1   5   10   15

Ser Gly Ser Thr Glu Thr Thr Ala Leu Pro Gly Ser Thr Thr Thr Ala
            20   25   30

Gly Leu Ser Glu Lys
        35

<210> 1044
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1044
Ser Ala Thr Ser Val Leu Val Gly Glu Pro Thr Thr Ser Pro Ile Ser
1   5   10   15

Ser Gly Ser Thr Glu Thr Thr Ala Leu Pro Gly Ser Thr Thr Thr Ala
            20   25   30

Gly Leu Ser Glu Lys
        35

<210> 1045
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1045
Ser Ala Thr Ser Val Leu Val Gly Glu Pro Thr Thr Ser Pro Ile Ser
1   5   10   15

Ser Gly Ser Thr Glu Thr Thr Ala Leu Pro Gly Ser Thr Thr Thr Ala
            20   25   30

Gly Leu Ser Glu Lys
        35

<210> 1046
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1046
Ser Ala Val Glu Gly Met Pro Ser Asn Leu Asp Ser Glu Val Ala Trp
1   5   10   15

Gly Lys

<210> 1047
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1047
Ser Glu Asp Ser Thr Ile Tyr Asp Leu Leu Lys Asp Pro Val Ser Leu
1   5   10   15

Arg

<210> 1048
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1048
Ser Leu Glu Ser Ala Leu Lys Asp Leu Lys
1   5   10

<210> 1049
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1049
Ser Pro Asn Pro Ala Leu Thr Phe Cys Val Lys
1   5   10

<210> 1050
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1050
Ser Thr Thr Phe Tyr Thr Ser Pro Arg
1   5

<210> 1051
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1051
Ser Thr Thr Phe Tyr Thr Ser Pro Arg
1   5

<210> 1052
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1052
Ser Thr Thr Phe Tyr Thr Ser Pro Arg
1   5

<210> 1053
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1053
Ser Thr Thr Phe Tyr Thr Ser Pro Arg
1   5

<210> 1054
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1054
Thr Cys His Tyr Tyr Ala Asn Lys
1   5

<210> 1055
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1055
Thr Cys Ser Glu Cys Gln Glu Leu His Trp Gly Asp Pro Gly Leu Gln
1   5   10   15

Cys His Ala Cys Asp Cys Asp Ser Arg
            20   25

<210> 1056
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1056
Thr Cys Tyr Pro Leu Glu Ser Arg
1   5

<210> 1057
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1057
Thr Glu Phe Gln Leu Glu Leu Pro Val Lys
1   5   10

<210> 1058
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1058
Thr Lys Glu Pro Val Ile Met Ser Thr Leu Glu Thr Val Arg
1   5   10

<210> 1059
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1059
Thr Pro Leu Trp Ile Gly Leu Ala Gly Glu Glu Gly Ser Arg Arg
1   5   10   15

<210> 1060
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1060
Thr Gln Ser Leu Asn Pro Ala Pro Phe Ser Pro Leu Thr Ala Gln Gln
1   5   10   15

Met Lys Pro Glu Lys Pro Ser Thr Leu Gln Arg Pro Gln Glu Thr Val
            20   25   30

Ile Arg

<210> 1061
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1061
Thr Val Gly Trp Asn Val Pro Val Gly Tyr Leu Val Glu Ser Gly Arg
1   5   10   15

<210> 1062
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1062
Val Ala Ser Ser Ser Ser Gly Asn Asn Phe Leu Ser Gly Ser Pro Ala
1   5   10   15

Ser Pro Met Gly Asp Ile Leu Gln Thr Pro Gln Phe Gln Met Arg
            20   25   30

<210> 1063
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1063
Val Ala Trp Val Ser His Asp Ser Thr Val Cys Leu Ala Asp Ala Asp
1   5   10   15

Lys

<210> 1064
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1064
Val Glu Gln Gln Pro Asp Tyr Arg
1   5

<210> 1065
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1065
Val Ile Gln Glu Val Ser Gly Leu Pro Ser Glu Gly Ala Ser Glu Gly
1   5   10   15

Asn Gln Tyr Thr Pro Asp Ala Gln Arg
            20   25

<210> 1066
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1066
Val Leu Asp Leu Leu Asp Pro Ala Ser Gly Asp Leu Val Ile Arg
1   5   10   15

<210> 1067
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1067
Val Leu Leu His Glu Met Gln Ile Gln His Pro Thr Ala Ser Leu Ile
1   5   10   15

Ala Lys

<210> 1068
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1068
Val Met Asp Lys Val Thr Ser Asp Glu Thr Arg
1   5   10

<210> 1069
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1069
Val Pro Arg Tyr Glu Leu Leu Leu Lys
1   5

<210> 1070
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1070
Val Gln Phe Gly Ala Ser His Val Phe Lys

1 5 10

<210> 1071
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1071
Val Ser Cys Ile Val Ser Ala Ala Lys
1 5

<210> 1072
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1072
Val Thr Glu Ile Leu Gly Ile Glu Pro Asp Arg Glu Lys
1 5 10

<210> 1073
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1073
Val Val Asp Ala Leu Asn Gln Gly Leu Pro Arg
1 5 10

<210> 1074
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1074
Trp Lys Thr Pro Ala Ala Ile Pro Ala Thr Pro Val Ala Val Ser Gln
1   5   10   15

Pro Ile Arg

<210> 1075
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1075
Tyr Leu Glu Thr Ala Asp Tyr Ala Ile Arg Glu Glu Ile Val Leu Lys
1   5   10   15

<210> 1076
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1076
Tyr Leu Asn Trp Glu Ser Asp Gln Pro Asp Asn Pro Ser Glu Glu Asn
1   5   10   15

Cys Gly Val Ile Arg
            20

<210> 1077
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1077
Tyr Val Gly Phe Gly Asn Thr Pro Pro Pro Gln Lys Lys
1   5   10

<210> 1078
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1078
Ala Ala Gly Asn Phe Ala Thr Lys
1   5

<210> 1079
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1079
Ala Glu Gly Glu Arg Gln Pro Pro Pro Asp Ser Ser Glu Glu Ala Pro
1   5   10   15

Pro Ala Thr Gln Asn Phe Ile Ile Pro Lys
            20   25

<210> 1080
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1080
Ala Gly Leu Val Val Glu Asp Ala Leu Phe Glu Thr Leu Pro Ser Asp
1   5   10   15

Val Arg

<210> 1081
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1081
Ala His Cys Gly Asp Pro Val Ser Leu Ala Ala Ala Gly Asp Gly Ser
1   5   10   15

Pro Asp Ile Gly Pro Thr Gly Glu Leu Ser Gly Ser Leu Lys
            20   25   30

<210> 1082
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1082
Ala Ile Leu Gln Asn His Thr Asp Phe Lys Asp Lys
1   5   10

<210> 1083
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1083
Ala Ile Asn Val Tyr Gly Thr Ser Glu Pro Ser Gln Glu Ser Glu Leu
1   5   10   15

Thr Thr Val Gly Glu Lys Pro Glu Glu Pro Lys
            20   25

<210> 1084
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1084
Ala Leu Gly Glu Asp Gln Val Ala Glu Thr Ser Ala Met Ser Asp Val
1   5   10   15

Leu Lys Asp Ile Leu Lys
            20

<210> 1085
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1085
Ala Asn Ile Val Met Val Leu Glu Ile Val Ser Gly Gly Glu Leu Phe
1   5   10   15

Glu Arg

<210> 1086
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1086
Ala Pro Glu Glu Gln Gly Leu Leu Pro Asn Gly Glu Pro Ser Gln His
1   5   10   15

Ser Ser Ala Pro Gln Lys
            20

<210> 1087
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1087
Ala Pro Gly Leu Gly Val Leu Ser Pro Ser Gly Glu Glu Arg
1   5   10

<210> 1088
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1088
Ala Gln Asp Asp Val Ser Glu Trp Ala Ser Lys
1   5   10

<210> 1089
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1089
Ala Ser Ser Ile Ser Glu Glu Val Ala Val Gly Ser Ile Ala Ala Thr
1   5   10   15

Leu Lys

<210> 1090
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1090
Ala Thr Leu Ala Leu Asp Ser Val Leu Thr Glu Glu Gly Lys
1   5   10

<210> 1091
<211> 49
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1091
Ala Val Gly Gly Asp Arg Gln Glu Ala Ile Gln Pro Gly Cys Ile Gly
1   5   10   15

Gly Pro Lys Gly Leu Pro Gly Leu Pro Gly Pro Pro Gly Pro Thr Gly
            20   25   30

Ala Lys Gly Leu Arg Gly Ile Pro Gly Phe Ala Gly Ala Asp Gly Gly
        35   40   45

Pro

<210> 1092
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1092
Ala Val Gly Leu Val Ser Thr Trp Thr Gln Arg
1   5   10

<210> 1093
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1093
Ala Val Ser Ser Ala Asp Pro Arg
1   5

<210> 1094
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1094
Ala Trp His Ala Phe Phe Thr Ala Ala Glu Arg
1   5   10

<210> 1095
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1095
Asp Cys Thr Gln Cys Leu Gln His Pro Trp Leu Met Lys
1   5   10

<210> 1096
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1096
Asp Glu Ile Ser Asp Asp Ala Lys Asp Phe Ile Ser Asn Leu Leu Lys
1   5   10   15

<210> 1097
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1097
Asp Phe Gly Pro Ala Ser Gln His Phe Leu Ser Thr Ser Val Gln Gly
1   5   10   15

Pro Trp Glu Arg
            20

<210> 1098
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1098
Asp Phe Leu Asp Ser Leu Gly Phe Ser Thr Arg
1   5   10

<210> 1099
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1099
Asp Gly Glu Trp Glu Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys
1   5   10   15

<210> 1100
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1100
Asp Thr Ser Pro Ala Pro Ser Gly Thr Thr Ser Ala Phe Val Lys
1   5   10   15

<210> 1101
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1101
Glu Ala Glu Asp Arg Ala Arg Gln Glu Glu Glu Arg Arg
1   5   10

<210> 1102
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1102
Glu Ala Pro Tyr Gly Ala Pro Arg
1   5

<210> 1103
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1103
Glu Cys Ala Ile Tyr Thr Asn Arg
1   5

<210> 1104
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1104
Glu Gly Ile Val Ala Leu Arg Arg
1 5

<210> 1105
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1105
Glu Gly Pro Tyr Thr Val Asp Ala Ile Gln Lys
1 5 10

<210> 1106
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1106
Glu Lys Glu Leu Gln Thr Ile Phe Asp Thr Leu Pro Pro Met Arg
1 5 10 15

<210> 1107
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1107
Glu Leu Glu Gln Gln Leu Gln Glu Ser Ala Arg
1 5 10

<210> 1108
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1108
Glu Gln Leu Asp Lys Ile Gln Ser Ser His Asn Phe Gln Leu Glu Ser
1 5 10 15

Val Asn Lys

<210> 1109
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1109
Glu Val Thr Lys Glu Glu Phe Val Leu Ala Ala Gln Lys
1 5 10

<210> 1110
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1110
Glu Val Val Pro Gly Asp Ser Val Asn Ser Leu Leu Ser Ile Leu Asp
1 5 10 15

Val Ile Thr Gly His Gln His Pro Gln Arg

20 25

<210> 1111
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1111
Glu Tyr Trp Met Asp Pro Glu Gly Glu Met Lys Pro Gly Arg Lys
1 5 10 15

<210> 1112
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1112
Phe Gly Phe Ser His Leu Glu Ala Leu Leu Asp Asp Ser Lys
1 5 10

<210> 1113
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1113
Phe Gly Ser Gln Ala Ser Gln Lys
1 5

<210> 1114
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1114
Phe His Glu Leu Thr Gln Thr Asp Lys
1   5

<210> 1115
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1115
Phe Leu Asp Leu Gly Ile Ser Ile Ala Glu Asn Arg
1   5   10

<210> 1116
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1116
Phe Leu Leu Asp Cys Gly Ile Arg
1   5

<210> 1117
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1117
Phe Val Asp Pro Ser Gln Asp His Ala Leu Ala Lys
1   5   10

<210> 1118
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1118
Phe Tyr Gly Asp Glu Glu Lys
1   5

<210> 1119
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1119
Gly Ala Trp Leu Gly Met Asn Phe Asn Pro Lys
1   5   10

<210> 1120
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1120
Gly Ile Leu Val Phe Gln Leu Lys
1   5

<210> 1121
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1121
Gly Ile Ser Leu Asn Pro Glu Gln Trp Ser Gln Leu
1   5   10

<210> 1122
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1122
Gly Leu Tyr Leu Pro Leu Phe Lys Pro Ser Val Ser Thr Ser Lys
1   5   10   15

<210> 1123
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1123
Gly Met Glu Asp Leu Ile Pro Leu Val Asn Arg
1   5   10

<210> 1124
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1124
Gly Pro Ile Gly His Gln Gly Pro Ile Gly Gln Glu Gly Ala Pro Gly
1   5   10   15

Arg

<210> 1125
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1125
Gly Pro Asn Lys His Thr Leu Thr Gln Ile Lys
1 5 10

<210> 1126
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1126
Gly Pro Thr Cys Asn Glu Phe Thr Gly Gln Cys His Cys Arg
1 5 10

<210> 1127
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1127
Gly Ser Glu Gly Glu Pro Gly Ile Arg
1 5

<210> 1128
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1128
Gly Thr Asp Val Arg Glu Pro Asp Asp Ser Pro Gln Gly Arg
1   5   10

<210> 1129
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1129
Gly Trp Ala Gly Asp Ser Gly Pro Gln Gly Arg
1   5   10

<210> 1130
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1130
His Ala Gln Glu Glu Leu Pro Pro Pro Pro Pro Gln Lys Lys
1   5   10

<210> 1131
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1131
His Ser Thr Val Leu Glu Asn Thr Asp Gly Lys
1   5   10

<210> 1132
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1132
Ile Glu Glu Leu Glu Glu Ala Leu Arg
1   5

<210> 1133
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1133
Ile Glu Gly Ser Gly Asp Gln Ile Asp Thr Tyr Glu Leu Ser Gly Gly
1   5   10   15

Ala Arg

<210> 1134
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1134
Ile Glu Leu His Gly Lys Pro Ile Glu Val Glu His Ser Val Pro Lys
1   5   10   15

<210> 1135
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1135
Ile Ile Asp Glu Asp Phe Glu Leu Thr Glu Arg Glu Cys Ile Lys
1   5   10   15

<210> 1136
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1136
Ile Lys Leu Ile Asp Phe Gly Leu Ala Arg
1   5   10

<210> 1137
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1137
Ile Leu Asp Leu Leu Asn Glu Gly Ser Ala Arg
1   5   10

<210> 1138
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1138
Ile Leu Met Glu Leu Asp Gly Pro Asn Trp Arg
1   5   10

<210> 1139
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1139
Ile Pro Gln Ala Val Val Asp Val Ser Ser His Leu Gln Lys
1   5   10

<210> 1140
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1140
Ile Gln Ala Glu Gln Val Asp Ala Val Thr Leu Ser Gly Glu Asp Ile
1   5   10   15

Tyr Thr Ala Gly Lys
            20

<210> 1141
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1141
Ile Val Ile Tyr Val Gln Gln Thr Thr Asn Lys
1   5   10

<210> 1142
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1142
Ile Val Ser Glu Phe Asp Tyr Val Glu Lys
1   5   10

<210> 1143
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1143
Lys Ala Asp Thr Leu Pro Arg
1   5

<210> 1144
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1144
Lys Ile Asn Gln Leu Ser Glu Glu Asn Gly Asp Leu Ser Phe Lys
1   5   10   15

<210> 1145
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1145
Lys Ile Gln Glu Ile Leu Thr Gln Val Lys
1   5   10

<210> 1146
<211> 18

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1146
Lys Lys Leu Pro Ala Glu Asn Gly Ser Ser Ser Ala Glu Thr Leu Asn
1   5   10   15

Ala Lys

<210> 1147
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1147
Lys Leu Leu Leu Gln Cys Gln Val Ser Ser Asp Pro Pro Ala Thr Ile
1   5   10   15

Ile Trp Thr Leu Asn Gly Lys
            20

<210> 1148
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1148
Lys Pro Ala Ala Gly Leu Ser Ala Ala Pro Val Pro Thr Ala Pro Ala
1   5   10   15

Ala Gly Ala Pro Leu
            20

<210> 1149
<211> 17

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1149
Lys Ser Pro Ser Ser Asp Ser Trp Thr Cys Ala Asp Thr Ser Thr Glu
1   5   10   15

Arg

<210> 1150
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1150
Lys Ser Ser Thr Gly Ser Pro Thr Ser Pro Leu Asn Ala Glu Lys
1   5   10   15

<210> 1151
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1151
Leu Ala Leu Leu Asn Glu Lys
1   5

<210> 1152
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1152
Leu Asp Ile Asp Glu Lys
1   5

<210> 1153
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1153
Leu Ile Ala Pro Leu Glu Gly Tyr Thr Arg
1   5   10

<210> 1154
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1154
Leu Lys Glu Glu Glu Glu Asp Lys Lys
1   5

<210> 1155
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1155
Leu Lys Asn Gln Val Thr Gln Leu Lys Glu Gln Val Pro Gly Phe Thr
1   5   10   15

Pro Arg

<210> 1156
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1156
Leu Leu Asp Pro Gln Thr Asn Thr Glu Ile Ala Asn Tyr Pro Ile Tyr
1   5   10   15

Lys

<210> 1157
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1157
Leu Leu Asp Arg Leu Pro Ser Phe Gln Gln Ser Cys Arg
1   5   10

<210> 1158
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1158
Leu Leu Glu Ala Ile Lys Arg
1   5

<210> 1159
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1159
Leu Leu Gly Phe Gly Ser Ala Leu Leu Asp Asn Val Asp Pro Asn Pro
1   5   10   15

Glu Asn Phe Val Gly Ala Gly Ile Ile Gln Thr Lys
            20   25

<210> 1160
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1160
Leu Gln Ala Gln Leu Asn Glu Leu Gln Ala Gln Leu Ser Gln Lys Glu
1   5   10   15

Gln Ala Ala Glu His Tyr Lys
            20

<210> 1161
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1161
Leu Gln Asp Val His Val Ala Glu Gly Lys Lys
1   5   10

<210> 1162
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1162
Leu Gln Gly Glu Val Leu Ala Leu Glu Glu Glu Arg
1   5   10

<210> 1163
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1163
Leu Ser Ala Leu His Leu Glu Val Arg
1   5

<210> 1164
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1164
Leu Ser Ser Gln Leu Val Glu His Cys Gln Lys
1   5   10

<210> 1165
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1165
Leu Ser Val Met Gly Cys Asp Val Leu Lys
1   5   10

<210> 1166
<211> 22

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1166
Leu Thr Ala Ala Ser Val Gly Val Gln Gly Ser Gly Trp Gly Trp Leu
1   5   10   15

Gly Phe Asn Lys Glu Arg
            20

<210> 1167
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1167
Leu Thr Asp Val Ala Ile Gly Ala Pro Gly Glu Glu Asp Asn Arg
1   5   10   15

<210> 1168
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1168
Leu Thr His Gly Val Leu His Thr Lys
1   5

<210> 1169
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1169
Leu Val Thr Asp Pro Asp Ser Gly Leu Cys Ser His Tyr Trp Gly Ala
1   5   10   15

Ile Ile Arg

<210> 1170
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1170
Met Asp Pro Glu Gly Glu Met Lys Pro Gly Arg
1   5   10

<210> 1171
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1171
Met Glu Leu Leu Val Lys
1   5

<210> 1172
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1172
Met Val Ser Met Met Glu Gly Val Ile Gln Lys
1   5   10

<210> 1173
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1173
Met Val Val Ala Ser Ser Lys
1 5

<210> 1174
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1174
Asn Asp Ala Gly Gln Ala Glu Cys Ser Cys Gln Val Thr Val Asp Asp
1 5 10 15

Ala Pro Ala Ser Glu Asn Thr Lys Ala Pro Glu Met Lys
            20 25

<210> 1175
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1175
Asn Ile Leu Ser Glu Phe Gln Arg
1 5

<210> 1176
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1176
Asn Leu Leu Glu Val Ser Glu Val Glu Gln Glu Leu Ala Cys Gln Asn
1   5   10   15

Asp His Ser Ser Ala Leu Gln Asn Ile Lys
            20   25

<210> 1177
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1177
Asn Leu Val Asp Ser Tyr Met Ala Ile Val Asn Lys
1   5   10

<210> 1178
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1178
Asn Val Asn Val Phe Phe Pro His Phe Lys
1   5   10

<210> 1179
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1179
Pro Ala Ser Ala Glu Gln Ile Gln His Leu Ala Gly Ala Ile Ala Glu

1 5 10 15

Arg

<210> 1180
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1180
Pro Ala Val Pro Ala Ser Val Pro Leu Gln Ala Trp His Pro Ala Lys
1 5 10 15

<210> 1181
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1181
Pro Phe Ser Ala Ile Tyr Phe Pro Cys Tyr Ala His Val Lys
1 5 10

<210> 1182
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1182
Pro Gly Pro Val Pro Ala His Ser Leu Cys Gly His Leu Val Pro Lys
1 5 10 15

<210> 1183
<211> 26

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1183
Pro Leu Gln Gly Thr Thr Gly Leu Ile Pro Leu Leu Gly Ile Asp Val
1   5   10   15

Trp Glu His Ala Tyr Tyr Leu Gln Tyr Lys
            20   25

<210> 1184
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1184
Pro Asn Glu Asn Lys Phe Ala Val Gly Ser Gly Ser Arg
1   5   10

<210> 1185
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1185
Pro Pro Val Gln Phe Ser Leu Leu His Ser Lys
1   5   10

<210> 1186
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1186
Gln Ala Pro Ile Gly Gly Asp Phe Pro Ala Val Gln Lys
1   5   10

<210> 1187
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1187
Gln Lys Leu Gln Asp Val His Val Ala Glu Gly Lys
1   5   10

<210> 1188
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1188
Gln Leu Ala Ala Tyr Ile Ala Asp Lys Val Asp Ala Ala Gln Met Pro
1   5   10   15

Gln Glu Ala Gln Lys
            20

<210> 1189
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1189
Gln Leu Ser Glu Ser Ser Lys Leu Lys
1   5

<210> 1190
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1190
Gln Gln Thr Ala Asn Lys Val Glu Ile Glu Lys
1 5 10

<210> 1191
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1191
Gln Ser Ser Ser Ser Arg Asp Asp Asn Met Phe Gln Ile Gly Lys
1 5 10 15

<210> 1192
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1192
Gln Tyr Thr Tyr Gly Leu Val Ser Cys Gly Leu Asp Arg
1 5 10

<210> 1193
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1193
Arg Ala Gly Asn Ser Leu Ala Ala Ser Thr Ala Glu Glu Thr Ala Gly
1   5   10   15

Ser Ala Gln Gly Arg
            20

<210> 1194
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1194
Arg Glu Ala Pro Tyr Gly Ala Pro Arg
1   5

<210> 1195
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1195
Arg Glu Pro Ala Pro Asn Ala Pro Gly Asp Ile Ala Ala Ala Phe Pro
1   5   10   15

Ala Glu Arg

<210> 1196
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1196
Arg Gly Trp Asp Ser Ser His Glu Asp Asp Leu Pro Val Tyr Leu Ala

1 5 10 15

Arg

<210> 1197
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1197
Arg Leu Glu Glu Glu Ser Ala Gln Leu Lys
1 5 10

<210> 1198
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1198
Arg Gln Val Glu Lys Glu Glu Thr Asn Glu Ile Gln Val Val Asn Glu
1 5 10 15

Glu Pro Gln Arg
20

<210> 1199
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1199
Arg Ser Glu Ser Gln Gly Thr Ala Pro Ala Phe Lys
1 5 10

<210> 1200
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1200
Ser Cys Thr Glu Glu Thr His Gly Phe Ile Cys Gln Lys
1 5 10

<210> 1201
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1201
Ser Asp Phe Gly Lys Phe Val Leu Ser Ser Gly Lys
1 5 10

<210> 1202
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1202
Ser Glu Tyr Met Glu Gly Asn Val Arg
1 5

<210> 1203
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1203
Ser Phe Ala Pro Ile Leu Pro His Leu Ala Glu Glu Val Phe Gln His
1   5   10   15

Ile Pro Tyr Ile Lys
            20

<210> 1204
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1204
Ser Lys Val Pro Gln Glu Thr Gln Ser Gly Gly Gly Ser Arg
1   5   10

<210> 1205
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1205
Ser Pro Ala Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1   5   10   15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg
            20   25

<210> 1206
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1206
Ser Pro Ala Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val

```
1               5                   10                  15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg
            20                  25
```

<210> 1207
<211> 46
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

```
<400>   1207
Ser Pro Ala Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1               5                   10                  15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg Pro Gly Ser Thr His Thr
            20                  25                  30

Thr Ala Phe Pro Asp Ser Thr Thr Thr Pro Gly Leu Ser Arg
        35                  40                  45
```

<210> 1208
<211> 46
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

```
<400>   1208
Ser Pro Ala Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1               5                   10                  15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg Pro Gly Ser Thr His Thr
            20                  25                  30

Thr Ala Phe Pro Asp Ser Thr Thr Thr Pro Gly Leu Ser Arg
        35                  40                  45
```

<210> 1209
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1209
Ser Gln Asp Leu Gln Val Ile Asp Leu Leu Thr Val Gly Glu Ser Arg
1   5   10   15

<210> 1210
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1210
Ser Arg Glu Pro Gln Ala Lys Pro Gln Leu Asp Leu Ser Ile Asp Ser
1   5   10   15

Leu Asp Leu Ser Cys Glu Glu Gly Thr Pro Leu Ser Ile Thr Ser Lys
            20   25   30

<210> 1211
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1211
Ser Arg Gln Glu Leu Ala Ser Gly Leu Pro Ser Pro Ala Ala Thr Gln
1   5   10   15

Glu Leu Pro Val Glu Arg
            20

<210> 1212
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1212
Ser Ser Ala Ala Ala Gly Ala Pro Ser Arg
1   5   10

<210> 1213
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1213
Ser Ser Pro Asn Val Ala Asn Gln Pro Pro Ser Pro Gly Gly Lys
1   5   10   15

<210> 1214
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1214
Ser Ser Ser Glu Val Leu Val Leu Ala Glu Thr Leu Asp Gly Val Arg
1   5   10   15

<210> 1215
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1215
Ser Val Gln Glu Ile Ala Glu Gln Leu Leu Leu Glu Asn His Pro Ala
1   5   10   15

Arg

<210> 1216
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1216
Thr Cys Thr Gly Tyr His Gln Val Arg
1 5

<210> 1217
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1217
Thr Gly Glu Thr Ser Arg
1 5

<210> 1218
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1218
Thr Ile Gln Asn Gln Leu Arg
1 5

<210> 1219
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1219
Thr Leu Phe Ser Leu Met Gln Tyr Ser Glu Glu Phe Arg
1   5   10

<210> 1220
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1220
Thr Pro Ala Pro Asp Gly Pro Arg
1   5

<210> 1221
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1221
Thr Pro Gly Gln Ile Val Ser Glu Lys
1   5

<210> 1222
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1222
Thr Pro Val Pro Glu Lys
1   5

<210> 1223
<211> 10

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1223
Thr Thr Leu Leu Asp Pro Asp Ser Cys Arg
1   5   10

<210> 1224
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1224
Thr Thr Thr Glu Ser Glu Val Met Lys
1   5

<210> 1225
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1225
Thr Val Leu Gln Ile Asp Cys Gly Leu Gln Leu Ala Asn Asp Ser Val
1   5   10   15

Asn Arg

<210> 1226
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1226
Val Ala Gln Gln Pro Leu Ser Leu Val Gly Cys Glu Val Val Pro Asp
1   5   10   15

Pro Ser Pro Asp His Leu Tyr Ser Phe Arg
            20   25

<210> 1227
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1227
Val His Ala Leu Asn Asn Val Asn Lys
1   5

<210> 1228
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1228
Val Ile Val Met Pro Thr Thr Lys
1   5

<210> 1229
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1229
Val Leu Gln Glu Asp Leu Glu Gln Glu Gln Val Arg
1   5   10

<210> 1230
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1230
Val Pro Ala His Ala Val Val Val Arg
1 5

<210> 1231
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1231
Trp Leu Asn Glu Val Glu Phe Lys
1 5

<210> 1232
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1232
Trp Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser Trp Ala Pro Gly Lys
1 5 10 15

<210> 1233
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1233
Trp Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser Trp Ala Pro Gly Lys
1   5   10   15

Pro Arg

<210> 1234
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1234
Trp Val Asn Ala Gln Phe Ser Lys
1   5

<210> 1235
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1235
Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln Val Lys
1   5   10   15

<210> 1236
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1236
Tyr Leu Leu Tyr Arg Pro Gly His Tyr Asp Ile Leu Tyr Lys
1   5   10

<210> 1237
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1237
Tyr Leu Ser Ser Leu Asp Leu Leu Leu Glu His Arg
1   5   10

<210> 1238
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1238
Tyr Leu Val His Cys Leu Gln Ser Glu Leu Asn Asn Tyr Met Pro Ala
1   5   10   15

Phe Leu Asp Asp Pro Glu Glu Asn Ser Leu Gln Arg Pro Lys
            20   25   30

<210> 1239
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1239
Tyr Arg Asp Pro Gly Val Leu Pro Trp Gly Ala Leu Glu Glu Glu Glu
1   5   10   15

Glu Asp Gly Gly Arg
            20

<210> 1240
<211> 34

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1240
Ala Ala Ala Ala Ala Val Gly Pro Gly Ala Gly Gly Ala Gly Ser Ala
1   5   10   15

Val Pro Gly Gly Ala Gly Pro Cys Ala Thr Val Ser Val Phe Pro Gly
            20   25   30

Ala Arg

<210> 1241
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1241
Ala Ala Ala Lys Val Ala Leu Thr Lys Arg Ala Asp Pro Ala Glu Leu
1   5   10   15

Arg

<210> 1242
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1242
Ala Ala Ala Thr Glu Glu Pro Glu Val Ile Pro Asp Pro Ala Lys
1   5   10   15

<210> 1243
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1243
Ala Ala Glu Glu Pro Gln Gln Gln Lys
1   5

<210> 1244
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1244
Ala Ala Gly Asp Gly Ser Pro Asp Ile Gly Pro Thr Gly Glu Leu Ser
1   5   10   15

Gly Ser Leu Lys Ile Pro Asn Arg
            20

<210> 1245
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1245
Ala Ala Gly Leu Gln Ala Glu Ile Gly Gln Val Lys
1   5   10

<210> 1246
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1246
Ala Ala Ser Gly Val Pro Arg
1   5

<210> 1247
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1247
Ala Cys Gly Asn Met Phe Gly Leu Met His Gly Thr Cys Pro Glu Thr
1   5   10   15

Ser Gly Gly Leu Leu Ile Cys Leu Pro Arg
            20   25

<210> 1248
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1248
Ala Asp Ser Ala Val Ser Gln Glu Gln Leu Arg
1   5   10

<210> 1249
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1249
Ala Glu Glu Lys Pro His Val Lys Pro Tyr Phe Ser Lys
1   5   10

<210> 1250
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1250
Ala Glu Leu Glu Tyr Asn Pro Glu His Val Ser Arg
1 5 10

<210> 1251
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1251
Ala Glu Gln Leu Leu Gln Asp Ala Arg
1 5

<210> 1252
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1252
Ala Glu Tyr Met Arg Ile Gln Ala Gln Gln Gln Ala Thr Lys Pro Ser
1 5 10 15

Lys Glu Met Ser
20

<210> 1253
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1253
Ala Phe Cys Gly Leu Gly Thr Thr Gly Met Trp Arg
1   5   10

<210> 1254
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1254
Ala Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys Pro Tyr
1   5   10   15

Phe Ser Lys

<210> 1255
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1255
Ala His Lys Gln Cys Ala Leu Lys Leu Leu Arg
1   5   10

<210> 1256
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1256
Ala Leu Met Asp Leu Leu Gln Leu Thr Arg

1 5 10

<210> 1257
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1257
Ala Leu Gln Asp Phe Glu Glu Pro Asp Lys
1 5 10

<210> 1258
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1258
Ala Leu Gln Phe Leu Glu Glu Val Lys Val Ser Arg
1 5 10

<210> 1259
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1259
Ala Leu Gln His Met Ala Ala Met Ser Ser Ala Gln Ile Val Ser Ala
1 5 10 15

Thr Ala Ile His Asn Lys Leu Gly Leu Pro Gly Ile Pro Arg Pro Thr
20 25 30

<210> 1260
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1260
Ala Met Ala Tyr Glu Thr Leu Glu Gln Tyr Gly Lys
1   5   10

<210> 1261
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1261
Ala Met Leu Ala Ala Val Leu Glu Gln Glu Leu Pro Ala Leu Ala Glu
1   5   10   15

Asn Leu His Gln Glu Gln Lys
            20

<210> 1262
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1262
Ala Met Leu Ala Ala Val Leu Glu Gln Glu Leu Pro Ala Leu Ala Glu
1   5   10   15

Asn Leu His Gln Glu Gln Lys
            20

<210> 1263
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1263
Ala Asn Gly Ile Thr Met Tyr Ala Val Gly Val Gly Lys Ala Ile Glu
1   5   10   15

Glu Glu Leu Gln Glu Ile Ala Ser Glu Pro Thr Asn Lys
            20   25

<210> 1264
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1264
Ala Pro Ala Pro Asp Val Pro Gly Cys Ser Arg
1   5   10

<210> 1265
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1265
Ala Pro Ile Leu Pro His Leu Ala Glu Glu Val Phe Gln His Ile Pro
1   5   10   15

Tyr Ile Lys

<210> 1266
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1266
Ala Gln Ala Leu Leu Ala Asp Val Asp Thr Leu Leu Phe Asp Cys Asp
1   5   10   15

Gly Val Leu Trp Arg
            20

<210> 1267
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1267
Ala Gln Asn Ser Gly Phe Asp Leu Gln Glu Thr Leu Val Lys
1   5   10

<210> 1268
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1268
Ala Arg Phe Glu Gln Met Ala Lys
1   5

<210> 1269
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1269
Ala Arg Pro Glu Ala Tyr Gln Val Pro Ala Ser Tyr Gln Pro Asp Glu
1   5   10   15

Glu Glu Arg

<210> 1270
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1270
Ala Arg Thr Ser Ala Gly Val Gly Ala Trp Gly Ala Ala Ala Val Gly
1   5   10   15

Arg Thr Ala Gly Val Arg
            20

<210> 1271
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1271
Ala Ser Ile Pro Leu Lys Glu Leu Glu Gln Phe Asn Ser Asp Ile Gln
1   5   10   15

Lys

<210> 1272
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1272
Ala Thr Ser Cys Phe Pro Arg Pro Met Thr Pro Arg Asp Arg
1   5   10

<210> 1273
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1273
Ala Val Thr Ser Val Ser Gly Pro Gly Glu His Leu Arg
1 5 10

<210> 1274
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1274
Cys Ala Glu Val Val Ser Gly Lys
1 5

<210> 1275
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1275
Cys Phe Gly Leu Leu Leu Ser Pro Gly Lys
1 5 10

<210> 1276
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1276
Cys Gly Asp Ser Asp Lys Gly Phe Val Val Ile Asn Gln Lys
1   5   10

<210> 1277
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1277
Cys Gly Gly Leu Ser Cys Asn Gly Ala Ala Ala Thr Ala Asp Leu Ala
1   5   10   15

Leu Gly Arg

<210> 1278
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1278
Cys Leu Cys Pro Pro Asp Phe Ala Gly Lys
1   5   10

<210> 1279
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1279
Cys Leu Gln His Pro Trp Leu Met Lys
1   5

<210> 1280
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1280
Cys Leu Val Glu Asn Ala Gly Asp Val Ala Phe Val Arg
1   5   10

<210> 1281
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1281
Cys Ser Gly Asn Ile Asp Pro Met Asp Pro Asp Ala Cys Asp Pro His
1   5   10   15

Thr Gly Gln Cys Leu Arg
            20

<210> 1282
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1282
Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile Asp Gly Ser Lys
1   5   10   15

<210> 1283
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1283
Cys Thr Gln Cys Leu Gln His Pro Trp Leu Met Lys
1   5   10

<210> 1284
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1284
Cys Val Arg Trp Ala Pro Asn Glu Asn Lys
1   5   10

<210> 1285
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1285
Asp Ala Leu Leu Glu Ala Leu Lys
1   5

<210> 1286
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1286
Asp Cys Cys Phe Glu Ile Ser Ala Pro Asp Lys Arg
1   5   10

<210> 1287
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1287
Asp Asp Arg Thr Gly Thr Gly Thr Leu Ser Val Phe Gly Met Gln Ala
1   5   10   15

Arg Tyr Ser Leu Arg
            20

<210> 1288
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1288
Asp Glu Asp Phe Glu Leu Thr Glu Arg Glu Cys Ile Lys
1   5   10

<210> 1289
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1289
Asp Ile Ser Leu Gln Gly Pro Gly Leu Ala Pro Glu
1   5   10

<210> 1290
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1290
Asp Ile Thr Ala Ala Leu Ala Ala Glu Arg
1   5   10

<210> 1291
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1291
Asp Leu Asn Val Ile Ser Ser Leu Leu Lys
1   5   10

<210> 1292
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1292
Asp Gln Arg Glu Pro Leu Pro Pro Ala Pro Ala Glu Asn Glu Met Lys
1   5   10   15

<210> 1293
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1293
Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro Pro Arg Pro Gln
1   5   10   15

Pro Ala Phe Lys

20

<210> 1294
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1294
Asp Arg Arg Gly Ser Gly Lys Pro Arg
1 5

<210> 1295
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1295
Asp Ser Ser His Ala Phe Thr Leu Asp Glu Leu Arg
1 5 10

<210> 1296
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1296
Asp Trp Asp Ser Pro Tyr Ser His Asp Leu Asp Thr Ser Ala Asp Ser
1 5 10 15

Val Gly Asn Ala Cys Arg
20

<210> 1297
<211> 18

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1297
Glu Ala Glu Gln Leu Leu Arg Gly Pro Leu Gly Asp Gln Tyr Gln Thr
1   5   10   15

Val Lys

<210> 1298
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1298
Glu Ala Glu Val Gln Thr Trp Leu Gln Gln Ile Gly Phe Ser Lys
1   5   10   15

<210> 1299
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1299
Glu Asp Thr Val Gln Ser Val Lys
1   5

<210> 1300
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1300
Glu Glu Ala Glu Gln Val Leu Gly Gln Ala Arg
1   5   10

<210> 1301
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1301
Glu Gly Ile Val Ala Leu Arg
1   5

<210> 1302
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1302
Glu Gly Thr Glu Ala Glu Pro Leu Pro Leu Arg
1   5   10

<210> 1303
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1303
Glu Gly Thr Glu Ala Glu Pro Leu Pro Leu Arg
1   5   10

<210> 1304
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1304
Glu Gly Thr Pro Gly Ile Phe Gln Lys
1   5

<210> 1305
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1305
Glu Gly Val Ile Gln Asn Phe Lys
1   5

<210> 1306
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1306
Glu Ile Asp Ala Ala Leu Gln Lys
1   5

<210> 1307
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1307
Glu Ile His Thr Val Pro Asp Met Gly Lys Trp Lys Arg

1 5 10

<210> 1308
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1308
Glu Lys Leu Thr Ala Ala Ser Val Gly Val Gln Gly Ser Gly Trp Gly
1 5 10 15

Trp Leu Gly Phe Asn Lys
20

<210> 1309
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1309
Glu Leu Glu Ala Lys Met Leu Ala Gln Lys Ala Glu Glu Lys Glu Asn
1 5 10 15

His Cys Pro Thr Met Leu Arg
20

<210> 1310
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1310
Glu Leu Glu Glu Lys Asp Gly Asp Val Gln Ala Gly Ala Asn Leu Ser
1 5 10 15

Phe Asn Arg

<210> 1311
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1311
Glu Leu Glu Thr Leu Thr Thr Asn Tyr Gln Trp Leu Cys Thr Arg
1   5   10   15

<210> 1312
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1312
Glu Leu Leu Leu Ser Gly Pro Pro Glu Val Ala Ala Pro Asp Thr Pro
1   5   10   15

Tyr Leu His Val Asp Ser Ala Ala Gln Arg
            20   25

<210> 1313
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1313
Glu Leu Gln Asp Gly Ile Gly Gln Arg
1   5

<210> 1314
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1314
Glu Met Ser Lys Lys Ala Pro Ser Glu Ile Ser Arg Lys
1   5   10

<210> 1315
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1315
Glu Asn Ile Arg Gln Glu Ile Ser Ile Met Asn Cys Leu His His Pro
1   5   10   15

Lys

<210> 1316
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1316
Glu Pro Met Lys Ala Pro Leu Cys Gly Glu Gly Asp Gln Pro Gly Gly
1   5   10   15

Phe Glu Ser Gln Glu Lys
            20

<210> 1317
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1317
Glu Pro Tyr Ala Arg Glu Met Leu Ala Ile Ser Phe Ile Ser Ala Val
1   5   10   15

Asn Arg

<210> 1318
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1318
Glu Arg Ala Arg Lys Phe Ser Gly Ser Gly Leu Ala Met Gly Leu Gly
1   5   10   15

Ser Ala Ser Ala Ser Ala Trp Arg Arg
            20   25

<210> 1319
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1319
Glu Arg Ala Arg Lys Phe Ser Gly Ser Gly Leu Ala Met Gly Leu Gly
1   5   10   15

Ser Ala Ser Ala Ser Ala Trp Arg Arg
            20   25

<210> 1320
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1320
Glu Arg Val Leu Ser Leu Ser Gln Ala Leu Ala Thr Glu Ala Ser Gln
1   5   10   15

Trp His Arg

<210> 1321
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1321
Glu Ser Gly Arg Gly Ser Ser Thr Pro Pro Gly Pro Ile Ala Ala Leu
1   5   10   15

Gly Met Pro Asp Thr Gly Pro Gly Ser Ser Ser Leu Gly Lys
            20   25   30

<210> 1322
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1322
Glu Ser Gly Ser Leu Glu Asp Asp Trp Asp Phe Leu Pro Pro Lys Lys
1   5   10   15

<210> 1323
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1323
Glu Val Ala Arg Asn Val Phe Glu Cys Asn Asp Gln Val Val Lys
1   5   10   15

<210> 1324
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1324
Glu Val Pro Glu Glu Gly Pro Gly Ala Pro Ala Arg
1   5   10

<210> 1325
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1325
Glu Tyr Gln Glu Asp Leu Ala Leu Arg
1   5

<210> 1326
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1326
Phe Ala Gly Asp Ser Leu Lys
1   5

<210> 1327
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1327
Phe Gly Pro Gly Asp Gln Val Arg
1   5

<210> 1328
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1328
Phe Gly Val Leu Gly Leu Asp Leu Trp Gln Val Lys
1   5   10

<210> 1329
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1329
Phe Lys Asp Asn Pro Thr Val Val Val Glu Asp Leu Arg
1   5   10

<210> 1330
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1330
Phe Asn Gly Ala Pro Thr Ala Asn Phe Gln Gln Asp Val Gly Thr Lys

1 5 10 15

<210> 1331
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1331
Phe Asn His Pro Ala Glu Ala Lys Trp Met Lys
1 5 10

<210> 1332
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1332
Phe Asn Arg Ala Leu Asn Cys Met Asn Leu Pro Pro Asp Lys
1 5 10

<210> 1333
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1333
Phe Arg Leu Ala Glu Asp Gly Lys Arg
1 5

<210> 1334
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1334
Phe Ser Ala Glu Ala Leu Arg
1   5

<210> 1335
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1335
Phe Ser Pro Glu Val Pro Gly Gln Lys
1   5

<210> 1336
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1336
Phe Thr Asp Phe Glu Glu Val Arg
1   5

<210> 1337
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1337
Phe Val Pro Ile Ile Gly Ile Ala Met Pro Leu Ser Ser Arg
1   5   10

<210> 1338
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1338
Phe Trp Pro Ala Ile Asp Asp Gly Leu Arg Arg
1   5   10

<210> 1339
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1339
Phe Trp Val Val Asp Gln Thr His Phe Tyr Leu Gly Ser Ala Asn Met
1   5   10   15

Asp Trp Arg

<210> 1340
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1340
Gly Ala Ala Val Asp Glu Tyr Phe Arg Gln Pro Val Val Asp Thr Phe
1   5   10   15

Asp Ile Arg

<210> 1341
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1341
Gly Ala Phe His Arg Pro Val Leu Gly Gly Phe Arg
1   5   10

<210> 1342
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1342
Gly Ala Gly Leu Ala Trp Gly Val His Asp Cys Gln Leu Cys Ser Glu
1   5   10   15

Arg

<210> 1343
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1343
Gly Ala Pro Ile Ser Ala Tyr Gln Ile Val Val Glu Glu Leu His Pro
1   5   10   15

His Arg Thr

<210> 1344
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1344
Gly Ala Thr Gly His Pro Gly Gly Gly Gln Gly Ala Glu Asn Pro Ala
1   5   10   15

Gly Leu Lys Ser Gln Gly Asn Glu Leu Phe Arg
            20   25

<210> 1345
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1345
Gly Cys Leu Glu Leu Ile Lys Glu Thr Gly Val Pro Ile Ala Gly Arg
1   5   10   15

<210> 1346
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1346
Gly Cys Pro Gln Glu Asp Ser Asp Ile Ala Phe Leu Ile Asp Gly Ser
1   5   10   15

Gly Ser Ile Ile Pro His Asp Phe Arg
            20   25

<210> 1347
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1347
Gly Asp Glu Gly Pro Ile Gly His Gln Gly Pro Ile Gly Gln Glu Gly
1   5   10   15

Ala Pro Gly Arg Pro Gly Ser Pro Gly Leu Pro Gly Met Pro Gly Arg
            20   25   30

<210> 1348
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1348
Gly Asp Lys Gly Glu Arg Gly Ala Pro Gly Val Thr Gly Pro Lys
1   5   10   15

<210> 1349
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1349
Gly Asp Asn Val Leu Ile Asn Thr Phe Ser Gly Leu Leu Lys
1   5   10

<210> 1350
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1350
Gly Asp Asn Val Leu Ile Asn Thr Phe Ser Gly Leu Leu Lys
1   5   10

<210> 1351
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1351
Gly Asp Thr Gly Asn Pro Gly Ala Pro Gly Thr Pro Gly Thr Lys Gly
1   5   10   15

Trp Ala Gly Asp Ser Gly Pro Gln Gly Arg Pro
            20   25

<210> 1352
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1352
Gly Glu Phe Ala Ile Asp Gly Tyr Ser Val Arg
1   5   10

<210> 1353
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1353
Gly Glu Gly Leu Tyr Ala Asp Pro Tyr Gly Leu Leu His Glu Gly Arg
1   5   10   15

<210> 1354
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1354
Gly Glu Ile Ala Pro Leu Lys Glu Asn Val Ser His Val Asn Asp Leu
1   5   10   15

Ala Arg

<210> 1355
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1355
Gly Glu Trp Lys Pro Arg Gln Ile Asp Asn Pro Asp Tyr Lys
1   5   10

<210> 1356
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1356
Gly Gly Cys Val Ala Leu Ala Thr Gly Ser Ala Met Gly Leu Trp Glu
1   5   10   15

Val Lys

<210> 1357
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1357
Gly Gly His Asp Ile Ile Leu Ala Ala Phe Asp Asn Phe Lys
1   5   10

<210> 1358
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1358
Gly Gly Ser Gln Pro Pro Asp Ile Asp Lys Thr Glu Leu Val Glu Pro
1   5   10   15

Thr Glu Tyr Leu Val Val His Leu Lys
            20   25

<210> 1359
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1359
Gly Gly Val Ser Ala Val Pro Gly Phe Arg
1   5   10

<210> 1360
<211> 33
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1360
Gly His Leu Gln Ile Ala Ala Cys Pro Asn Gln Asp Pro Leu Gln Gly
1   5   10   15

Thr Thr Gly Leu Ile Pro Leu Leu Gly Ile Asp Val Trp Glu His Ala

20 25 30

Tyr

<210> 1361
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1361
Gly His Pro Asp Arg Leu Pro Leu Gln Met Ala Leu Thr Glu Leu Glu
1 5 10 15

Thr Leu Ala Glu Lys
20

<210> 1362
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1362
Gly Lys Glu Ala Gly Glu Val Arg
1 5

<210> 1363
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1363
Gly Lys Asn Val Leu Ile Asn Lys Asp Ile Arg
1 5 10

<210> 1364
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1364
Gly Leu Cys Phe Leu Phe Gly Ser Asn Leu Arg
1 5 10

<210> 1365
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1365
Gly Leu Glu Glu Ala Val Glu Ser Ala Cys Ala Met Arg
1 5 10

<210> 1366
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1366
Gly Leu Gly Lys Tyr Ile Cys Gln Lys Cys His Ala Ile Ile Asp Glu
1 5 10 15

Gln Pro Leu

<210> 1367
<211> 33
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1367
Gly Asn Cys Phe Cys Tyr Gly His Ala Ser Glu Cys Ala Pro Ala Pro
1   5   10   15

Gly Ala Pro Ala His Ala Glu Gly Met Val His Gly Ala Cys Ile Cys
            20   25   30

Lys

<210> 1368
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1368
Gly Pro Ala Pro Ala Arg Pro Lys Met Leu Val Ile Ser Gly Gly Asp
1   5   10   15

Gly Tyr Glu Asp Phe Arg Leu Ser Ser Gly Gly Gly Ser Ser Ser
            20   25   30

<210> 1369
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1369
Gly Pro Gly Ala Gly Ser Ala Leu Asp Asp Gly Arg Arg
1   5   10

<210> 1370
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1370
Gly Pro Pro Ser Ser Val Pro Lys
1   5

<210> 1371
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1371
Gly Gln Leu Gln Asp Glu Leu Glu Lys Gly Glu Arg
1   5   10

<210> 1372
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1372
Gly Gln Thr Pro Glu Ala Gly Ala Asp Lys Arg Ser Pro Arg Arg Ala
1   5   10   15

Ser Ala Ala Ala Ala Ala Gly Gly Gly Ala Thr Gly His Pro Gly Gly
            20   25   30

<210> 1373
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1373
Gly Arg Glu Pro Ala Ser Cys Glu Asp Leu Cys Gly Gly Gly Val Gly

1 5 10 15

Ala Asp Gly Gly Gly Ser Asp Arg
20

<210> 1374
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1374
Gly Arg Ile Ser Val Ser Leu Gln Glu Glu Ala Ser Gly Gly Ser Leu
1 5 10 15

Ala Ala Pro Ala Arg
20

<210> 1375
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1375
Gly Ser Asp Gly Met Asp Ala Val Arg Ser Ala Pro Thr Leu Ile Arg
1 5 10 15

<210> 1376
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1376
Gly Ser Arg Pro Gly Ile Glu Gly Asp Thr Pro Arg
1 5 10

<210> 1377
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1377
Gly Thr Ile Ser Phe Phe Glu Ile Asp Gly Arg
1 5 10

<210> 1378
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1378
Gly Thr Trp Ile His Pro Glu Ile Asp Asn Pro Glu Tyr Ser Pro Asp
1 5 10 15

<210> 1379
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1379
Gly Val Thr Asp Thr Leu Ala Gln Ile Arg
1 5 10

<210> 1380
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1380
Gly Trp Asp Cys His Gly Leu Pro Ile Glu Ile Lys
1   5   10

<210> 1381
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1381
His Cys Glu Leu Cys Arg Pro Phe Phe Tyr Arg
1   5   10

<210> 1382
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1382
His Phe Gln Ile Asp Tyr Asp Glu Asp Gly Asn Cys Ser Leu Ile Ile
1   5   10   15

Ser Asp Val Cys Gly Asp Asp Asp Ala Lys
            20   25

<210> 1383
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1383
His Gly Gly Leu Ser Leu Val Gln Thr Thr Asp Tyr Ile Tyr Pro Ile
1   5   10   15

Val Asp Asp Pro Tyr Met Met Gly Arg

20 25

<210> 1384
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1384
His Leu Asp Thr Leu His Asn Phe Val Ser Arg
1 5 10

<210> 1385
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1385
His Leu Asn Pro Gly Leu Gln Leu Tyr Arg
1 5 10

<210> 1386
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1386
His Thr Glu Ile Leu Glu Ile Leu Glu Ile Pro Gln Leu Met Asp Thr
1 5 10 15

Cys Val Arg

<210> 1387
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1387
His Thr Leu Thr Gln Ile Lys Asp Ala Val Arg
1   5   10

<210> 1388
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1388
Ile Ala Ala Leu Asn Ala Ser Ser Thr Ile Glu Asp Asp His Glu Gly
1   5   10   15

Ser Phe Lys

<210> 1389
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1389
Ile Ala Glu Ile Gln Ala Arg
1   5

<210> 1390
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1390
Ile Asp Ala Leu Arg Glu Glu Leu Met Glu Gly Met Asp Arg
1   5   10

<210> 1391
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1391
Ile Phe Glu Glu Gln Pro Cys Leu Arg Lys
1   5   10

<210> 1392
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1392
Ile Phe Leu Thr Glu Gln Pro Leu Glu Gly Leu Glu Lys
1   5   10

<210> 1393
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1393
Ile Phe Ser Ala Tyr Ile Lys
1   5

<210> 1394
<211> 16

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1394
Ile Ile Asp Arg Ile His Gly Thr Glu Glu Gly Gln Gln Ile Leu Lys
1   5   10   15

<210> 1395
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1395
Ile Leu His Lys Gly Glu Glu Leu Ala Lys
1   5   10

<210> 1396
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1396
Ile Asn Glu Leu Glu Asn Gly Gly Glu Ile Leu Asn Glu Thr Arg Ser
1   5   10   15

Phe His His Lys
            20

<210> 1397
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1397
Ile Pro Ala Ser Ala Glu Gln Ile Gln His Leu Ala Gly Ala Ile Ala
1   5   10   15

Glu Arg

<210> 1398
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1398
Ile Gln Gly Thr Leu Gln Pro His
1   5

<210> 1399
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1399
Ile Gln Asn Gln Trp Asp Glu Val Gln Glu His Leu Gln Asn Arg
1   5   10   15

<210> 1400
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1400
Ile Gln Asn Val Val Thr Ser Phe Ala Pro Gln Arg Arg Ala Ala Trp
1   5   10   15

Trp Gln Ser Glu Asn Gly Ile Pro Ala

20 25

<210> 1401
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1401
Ile Arg Gln Lys Val Asp Asp Cys Glu Arg Cys Arg
1 5 10

<210> 1402
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1402
Ile Thr Glu Gln Glu Lys Leu Lys
1 5

<210> 1403
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1403
Ile Thr Ser Val Ser Thr Gly Asn Leu Cys Thr Glu Glu Gln Thr Pro
1 5 10 15

Pro Pro Arg Pro Glu Ala Tyr Pro Ile Pro Thr Gln Thr Tyr Thr Arg
20 25 30

<210> 1404
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1404
Ile Val Leu Gly Gly Thr Thr Val His Asn Thr Lys
1   5   10

<210> 1405
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1405
Ile Val Thr Thr His Ile Arg
1   5

<210> 1406
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1406
Lys Asp Ala Glu Gly Ile Leu Glu Asp Leu Gln Ser Tyr Arg
1   5   10

<210> 1407
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1407
Lys Asp Val Glu Val Thr Lys Glu Glu Phe Val Leu Ala Ala Gln Lys

1 5 10 15

<210> 1408
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1408
Lys Glu Ala Asp Met Gln Gln Lys
1 5

<210> 1409
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1409
Lys His Pro Ser Ser Pro Glu Cys Leu Val Ser Ala Gln Lys
1 5 10

<210> 1410
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1410
Lys Ile Gln Asn His Ile Gln Thr Leu Lys
1 5 10

<210> 1411
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1411
Lys Ile Ser Glu Glu Ser Gly Glu Thr Ala Lys Arg Arg
1   5   10

<210> 1412
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1412
Lys Ile Tyr Ala Val Glu Ala Ser Thr Met Ala Gln His Ala Glu Val
1   5   10   15

Leu Val Lys

<210> 1413
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1413
Lys Lys Glu Glu Leu Asn Ala Val Arg
1   5

<210> 1414
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1414
Lys Lys Gly Pro Gly Ala Gly Ser Ala Leu Asp Asp Gly Arg

1 5 10

<210> 1415
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1415
Lys Leu Met Gln Ile Arg
1 5

<210> 1416
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1416
Lys Leu Ser Ser Gln Leu Val Glu His Cys Gln Lys
1 5 10

<210> 1417
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1417
Lys Leu Thr Phe Glu Tyr Arg
1 5

<210> 1418
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1418
Lys Met Glu Glu Glu Pro Leu Gly Pro Asp Leu Glu Asp Leu Lys Arg
1   5   10   15

<210> 1419
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1419
Lys Met Ser Gly Thr Val Ser Lys
1   5

<210> 1420
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1420
Lys Gln Val Ala Pro Glu Lys Pro Val Lys Lys
1   5   10

<210> 1421
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1421
Lys Ser Ser Thr Gly Ser Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu
1   5   10   15

Glu Ser Glu Glu Asp Val Ser Gln Ala Phe

20 25

<210> 1422
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1422
Lys Thr Arg Pro Asp Gly Asn Cys Phe Tyr Arg
1 5 10

<210> 1423
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1423
Lys Val Ser Thr Leu Gln Asn Gln Arg
1 5

<210> 1424
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1424
Leu Ala Gly Glu Glu Glu Ala Leu Arg
1 5

<210> 1425
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1425
Leu Cys Asp Asn Ile Val Ser Glu Ser Glu Ser Thr Thr Ala Arg
1   5   10   15

<210> 1426
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1426
Leu Cys Ile Glu His Val Glu Glu His Gly Leu Asp Ile Asp Gly Ile
1   5   10   15

Tyr Arg

<210> 1427
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1427
Leu Cys Gln Phe Glu Glu Ala Lys Gln Asp Cys Asp Gln Ala Leu Gln
1   5   10   15

Leu Ala Asp Gly Asn Val Lys
            20

<210> 1428
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1428
Leu Asp Ala Trp Glu Glu Ala Gln Val Glu Phe Met Ala Ser His Gly
1   5   10   15

Asn Asp Ala Ala Arg
            20

<210> 1429
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1429
Leu Asp Glu Asp Leu Thr Thr Leu Gly Gln Met Ser Lys
1   5   10

<210> 1430
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1430
Leu Asp Leu Phe Glu Ile Ser Gln Pro Thr Glu Asp Leu Glu Phe His
1   5   10   15

Gly Val Met Arg
            20

<210> 1431
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1431
Leu Glu Ala Ile Lys Arg

1 5

<210> 1432
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1432
Leu Glu Met Leu Gln Gln Ile Ala Asn Arg
1 5 10

<210> 1433
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1433
Leu Glu Ser Glu Glu Asp Val Ser Gln Ala Phe Leu Glu Ala Val Ala
1 5 10 15

Glu Glu Lys Pro His Val Lys
20

<210> 1434
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1434
Leu Glu Ser Glu Glu Asp Val Ser Gln Ala Phe Leu Glu Ala Val Ala
1 5 10 15

Glu Glu Lys Pro His Val Lys Pro Tyr
20 25

<210> 1435
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1435
Leu Glu Thr Met Ala Arg Asn Glu Val Ile Ala Asp Ile Asn Cys Lys
1   5   10   15

<210> 1436
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1436
Leu Glu Tyr Asn Val Asp Ala Ala Asn Gly Ile Val Met Glu Gly Tyr
1   5   10   15

Leu Phe Lys

<210> 1437
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1437
Leu Phe Pro Asn Ser Leu Asp Gln Thr Asp Met His Gly Asp Ser Glu
1   5   10   15

Tyr Asn Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys Lys
            20   25   30

<210> 1438
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1438
Leu Gly Cys Thr Met Ser Met Arg
1   5

<210> 1439
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1439
Leu Gly Ile Glu Lys Thr Asp Pro Thr Thr Leu Thr Asp Glu Glu Ile
1   5   10   15

Asn Arg

<210> 1440
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1440
Leu Gly Ile Val Asn Val Asp Glu Ala Val Leu His Phe Lys
1   5   10

<210> 1441
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1441
Leu Gly Tyr Thr Pro Leu Ile Val Ala Cys His Tyr Gly Asn Val Lys
1   5   10   15

<210> 1442
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1442
Leu His Glu Met Gln Ile Gln His Pro Thr Ala Ser Leu Ile Ala Lys
1   5   10   15

<210> 1443
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1443
Leu His Tyr Asn Glu Leu Gly Ala Lys
1   5

<210> 1444
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1444
Leu Lys Ala Val Gln Ala Gln Gly Gly Glu Ser Gln Gln Glu Ala Gln
1   5   10   15

Arg

<210> 1445
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1445
Leu Lys Glu Asp Met Lys Lys Ile Val Ala Val Pro Leu Asn Glu Gln
1   5   10   15

Lys

<210> 1446
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1446
Leu Lys Glu Glu Glu Glu Asp Lys Lys Arg
1   5   10

<210> 1447
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1447
Leu Lys Glu Leu Asn Asp Trp Leu Thr Lys
1   5   10

<210> 1448
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1448
Leu Lys Leu Ser Phe Glu Glu Met Glu Arg
1   5   10

<210> 1449
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1449
Leu Lys Leu Thr Phe Glu Glu Leu Glu Arg
1   5   10

<210> 1450
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1450
Leu Lys Pro Glu Ile Gln Cys Val Ser Ala Lys
1   5   10

<210> 1451
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1451
Leu Leu Glu Ala Thr Pro Thr Asp Ser Cys Gly Tyr Phe Arg
1   5   10

<210> 1452
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1452
Leu Leu Glu Ala Thr Pro Thr Asp Ser Cys Gly Tyr Phe Arg
1   5   10

<210> 1453
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1453
Leu Leu Lys Gly Glu Ser Ala Leu Gln Arg
1   5   10

<210> 1454
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1454
Leu Leu Asn Glu Gly Gln Arg
1   5

<210> 1455
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1455
Leu Asn Gly Phe Gln Leu Glu Asn Phe Thr Leu Lys
1   5   10

<210> 1456
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1456
Leu Asn Lys Ile Leu Lys
1   5

<210> 1457
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1457
Leu Asn Arg Glu Val Ala Glu Ser Pro Arg Pro Arg
1   5   10

<210> 1458
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1458
Leu Pro Pro Ser Ser Pro Gln Lys Leu Ala Asp Val Ala Ala Pro Pro
1   5   10   15

Gly Gly Pro Pro Pro Pro His Ser Pro Tyr Ser Gly Pro Pro Ser Arg
            20   25   30

<210> 1459
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1459
Leu Gln Asp Ala Phe Ser Ala Ile Gly Gln Asn Ala Asp Leu Asp Leu
1   5   10   15

Pro Gln Ile Ala Val Val Gly Gly Gln Ser Ala Gly Lys
            20   25

<210> 1460
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1460
Leu Gln Glu Leu Glu Gly Thr Tyr Glu Glu Asn Glu Arg Ala Leu Glu
1   5   10   15

Ser Lys

<210> 1461
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1461
Leu Gln Gln Gln Cys Asp Asp Tyr Gly Ser Ser Tyr Leu Gly Val Ile
1   5   10   15

Glu Leu Ile Gly Glu Lys
            20

<210> 1462
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1462
Leu Ser Ala His Thr His Thr Leu Ser Leu Thr Asp Ile Asn Glu Leu
1   5   10   15

Val Cys Gly Ala Pro Gly Asp Ala Pro Cys Ala Thr Ser Pro Cys Gly
            20   25   30

Gly Ala Gly Cys Arg
        35

<210> 1463
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1463
Leu Ser Phe Glu Glu Met Glu Arg Gln Arg Arg
1   5   10

<210> 1464
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1464
Leu Ser Gly Trp Leu Ala Gln Gln Glu Asp Ala His Arg
1   5   10

<210> 1465
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1465
Leu Ser His Phe Glu Tyr Val Lys Asn Glu Asp Leu Glu Lys
1   5   10

<210> 1466
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1466
Leu Ser Ile Pro Gln Leu Ser Val Thr Asp Tyr Glu Ile Met
1   5   10

<210> 1467
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1467
Leu Ser Ile Pro Gln Leu Ser Val Thr Asp Tyr Glu Ile Met Glu Gln
1   5   10   15

Arg

<210> 1468
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1468
Leu Ser Pro Ala Tyr Ser Leu Gly Ser Leu Thr Gly Ala Ser Pro Cys
1   5   10   15

Gln Ser Pro Cys Val Gln Arg
            20

<210> 1469
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1469
Leu Ser Ser Gly Gly Gly Ser Ser Ser Glu Thr Val Gly Arg
1   5   10

<210> 1470
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1470
Leu Thr Glu Glu Gln Cys Leu Phe Ser Ala Trp Leu Ser Glu Lys Glu
1   5   10   15

Asp Ala Val Asn Lys
            20

<210> 1471
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1471
Leu Val Ala Ala Gly Gly Leu Asp Ala Val Leu Tyr Trp Cys Arg

1 5 10 15

<210> 1472
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1472
Leu Val Glu Phe Ser Ala Phe Leu Glu Gln Gln Arg
1 5 10

<210> 1473
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1473
Leu Val Pro Ser Val Asn Gly Val Arg
1 5

<210> 1474
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1474
Leu Val Thr Pro His Gly Glu Ser Glu Gln Ile Gly Val Ile Pro Ser
1 5 10 15

Lys Lys

<210> 1475
<211> 31

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1475
Leu Val Val Thr Gln Glu Asp Val Glu Leu Ala Tyr Gln Glu Ala Met
1   5   10   15

Met Asn Met Ala Arg Leu Asn Arg Thr Ala Ala Gly Leu Met His
            20   25   30

<210> 1476
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1476
Met Ala Ala Ala Glu Ala Gly Gly Asp Asp Ala Arg
1   5   10

<210> 1477
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1477
Met Ala Val Trp Glu Ala Glu Gln Leu Gly Gly Leu Gln Arg
1   5   10

<210> 1478
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1478
Met Glu Ala Leu Glu Asn Arg
1   5

<210> 1479
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1479
Met Glu Phe Asp Glu Lys Glu Leu Arg Arg
1   5   10

<210> 1480
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1480
Met Glu Ser Gly Arg Gly Ser Ser Thr Pro Pro Gly Pro Ile Ala Ala
1   5   10   15

Leu Gly Met Pro Asp Thr Gly Pro Gly
            20   25

<210> 1481
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1481
Met Glu Ser Gly Arg Gly Ser Ser Thr Pro Pro Gly Pro Ile Ala Ala
1   5   10   15

Leu Gly Met Pro Asp Thr Gly Pro Gly Ser Ser Ser Leu Gly Lys

20 25 30

<210> 1482
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1482
Met Glu Ser Gln Leu Lys
1 5

<210> 1483
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1483
Met Gly Met Ser Phe Gly Leu Glu Ser Gly Lys
1 5 10

<210> 1484
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1484
Met Gly Asn Ala Ala Gly Ser Ala Glu Gln Pro Ala Gly Pro Ala Ala
1 5 10 15

Pro Pro Pro Lys
20

<210> 1485
<211> 34

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1485
Met Ile Ile Ser Thr Pro Gln Arg Leu Thr Ser Ser Gly Ser Val Leu
1   5   10   15

Ile Gly Ser Pro Tyr Thr Pro Ala Pro Ala Met Val Thr Gln Thr His
            20   25   30

Ile Ala

<210> 1486
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1486
Met Ile Leu Thr Asn Pro Glu Gly Arg
1   5

<210> 1487
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1487
Met Lys Ala Ala Lys Ser Gly Thr Lys Asp Gly Leu Glu Lys
1   5   10

<210> 1488
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1488
Met Leu Glu Asp Leu Gly Phe Lys Asp Leu Thr Leu Gln Pro Arg
1   5   10   15

<210> 1489
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1489
Met Asn Ser Leu Thr Leu Asn Arg
1   5

<210> 1490
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1490
Met Ser Asp Lys Ser Asp Leu Lys Ala Glu Leu Glu Arg
1   5   10

<210> 1491
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1491
Met Ser Gly Ser Ser Gly Gly Ala Ala Ala Pro Ala Ala Ser Ser Gly
1   5   10   15

Pro Ala Ala Ala Ala Ser Ala Ala Gly Ser Gly Cys Gly Gly Gly Ala

20 25 30

<210> 1492
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1492
Met Ser Lys Ser Leu Gly Asn Val Ile His Pro
1 5 10

<210> 1493
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1493
Met Val Ser Thr Ser Ala Thr Asp Glu Pro Arg
1 5 10

<210> 1494
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1494
Asn Ala Asn Ser Ser Pro Val Ala Ser Thr Thr Pro Ser Ala Ser Ala
1 5 10 15

Thr Thr Asn Pro Ala Ser Ala Thr Thr Leu Asp Gln Ser Lys Ala
20 25 30

<210> 1495
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1495
Asn Ala Thr Leu Val Asn Glu Ala Asp Lys Leu Arg
1   5   10

<210> 1496
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1496
Asn Ala Val Leu Glu His Met Glu Glu Leu Gln Glu Gln Val Ala Leu
1   5   10   15

Leu Thr Glu Arg
            20

<210> 1497
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1497
Asn Asp Lys Ser Tyr Trp Leu Ser Thr Thr Ala Pro Leu Pro Met Met
1   5   10   15

Pro Val Ala Glu Asp Glu Ile Lys Pro Tyr Ile Ser Arg
            20   25

<210> 1498
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1498
Asn Phe Val Lys Glu Ala Glu Glu Ile Ser Ser Asn Arg Arg
1   5   10

<210> 1499
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1499
Asn Ile Leu Val Ser Asp Met Glu Met Asn Glu Gln Gln Glu
1   5   10

<210> 1500
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1500
Asn Leu Ala Ala Thr Leu Gln Asp Ile Glu Thr Lys
1   5   10

<210> 1501
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1501
Asn Leu Glu Glu Leu Tyr Leu Val Gly Ser Leu Ser His Asp Ile Ser
1   5   10   15

Arg

<210> 1502
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1502
Asn Leu Leu Glu Val Ser Glu Val Glu Gln Glu Leu Ala Cys Gln Asn
1   5   10   15

Asp His Ser Ser Ala Leu Gln Asn Ile Lys Arg
            20   25

<210> 1503
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1503
Asn Leu Val Gly Ser Gly Ser Glu Ile Gln Phe Leu Ser Glu Ala Gln
1   5   10   15

Asp Asp Pro Gln Lys Arg
            20

<210> 1504
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1504
Asn Arg Thr Glu Ala Glu Val Lys Arg
1   5

<210> 1505
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1505
Asn Ser Leu Ser Val Leu Ser Pro Lys
1 5

<210> 1506
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1506
Asn Thr Ser Ala Ala Ser Thr Ala Gln Leu Val Glu Ala Thr Glu Glu
1 5 10 15

Leu Arg Arg

<210> 1507
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1507
Asn Val Gln Val Phe Leu Ile Ser Gly Gly Phe Arg
1 5 10

<210> 1508
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1508
Asn Tyr Pro Ser Ser Leu Cys Ala Leu Cys Val Gly Asp Glu Gln Gly
1   5   10   15

Arg

<210> 1509
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1509
Pro Cys Pro Cys Pro Glu Gly Pro Gly Ser Gln Arg
1   5   10

<210> 1510
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1510
Pro Cys Gln Asp Val Asp Glu Cys Ala Arg
1   5   10

<210> 1511
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1511
Pro Asp Glu Asn Leu Lys Ser Ala Ser Lys Glu Glu Leu Lys Lys

1 5 10 15

<210> 1512
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1512
Pro Glu Ala Tyr Gln Val Pro Ala Ser Tyr Gln Pro Asp Glu Glu Glu
1 5 10 15

Arg Ala Arg

<210> 1513
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1513
Pro Glu Gly Glu Met Lys Pro Gly Arg
1 5

<210> 1514
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1514
Pro Glu Thr Pro Tyr Ser Gly Pro Gly Leu Leu Ile Asp Ser Leu Val
1 5 10 15

Leu Leu Pro Arg
20

<210> 1515
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1515
Pro Glu Val Val Trp Phe Lys
1   5

<210> 1516
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1516
Pro Gly Ala Gly Ala Val Glu Val Ala Met Ala Glu Ala Leu Ile Lys
1   5   10   15

<210> 1517
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1517
Pro Gly Glu Met Gly Pro Gln Gly Pro Pro Gly Glu Pro Gly Phe Arg
1   5   10   15

Gly Ala Pro Gly Lys
            20

<210> 1518
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1518
Pro Gly Glu Thr Pro Ser Trp Thr Gly Ser Gly Phe Val Arg
1   5   10

<210> 1519
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1519
Pro Gly Phe His Gly Gln Ala Ala Arg
1   5

<210> 1520
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1520
Pro Gly His Val Gly Gln Met Gly Pro Val Gly Ala Pro Gly Arg Pro
1   5   10   15

Gly Pro Pro Gly Pro Pro Gly Pro Lys
            20   25

<210> 1521
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1521
Pro Ile Leu Pro His Leu Ala Glu Glu Val Phe Gln His Ile Pro Tyr

1 5 10 15

Ile Lys

<210> 1522
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1522
Pro Lys Ile Asp Asp Val Leu His Thr Leu Thr Gly Ala Met Ser Leu
1 5 10 15

Leu Arg Arg

<210> 1523
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1523
Pro Lys Met Leu Val Ile Ser Gly Gly Asp Gly Tyr Glu Asp Phe Arg
1 5 10 15

<210> 1524
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1524
Pro Pro Asp Ile Asp Lys Thr Glu Leu Val Glu Pro Thr Glu Tyr Leu
1 5 10 15

Val Val His Leu Lys

20

<210> 1525
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1525
Pro Pro Lys Pro Ala Thr Pro Asp Phe Arg
1 5 10

<210> 1526
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1526
Pro Pro Val Ile Gln Asn Pro Glu Tyr Lys
1 5 10

<210> 1527
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1527
Pro Pro Val Leu Gly Thr Glu Ser Asp Ala Thr Val Lys
1 5 10

<210> 1528
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1528
Pro Gln Leu Leu Gly Val Ala Pro Glu Lys
1   5   10

<210> 1529
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1529
Pro Arg Met Ser Ala Gln Glu Gln Leu Glu Arg Met Arg
1   5   10

<210> 1530
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1530
Pro Ser Gly Pro Ala Thr Ala Glu Asp Pro Gly Arg Arg Pro Val Leu
1   5   10   15

Pro Gln Arg

<210> 1531
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1531
Pro Thr Pro Arg Pro Val Pro Met Lys Arg His Ile Phe Arg

1 5 10

<210> 1532
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1532
Pro Val Ala Gly Ser Glu Leu Pro Arg
1 5

<210> 1533
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1533
Pro Tyr Trp Cys Ile Ser Arg
1 5

<210> 1534
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1534
Gln Ala Ala Ser Pro Leu Glu Pro Lys
1 5

<210> 1535
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1535
Gln Ala Glu Glu Val Asn Thr Glu Trp Glu Lys
1   5   10

<210> 1536
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1536
Gln Ala Glu Gly Leu Ser Glu Asp Gly Ala Ala Met Ala Val Glu Pro
1   5   10   15

Thr Gln Ile Gln Leu Ser Lys
            20

<210> 1537
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1537
Gln Ala Pro Ser Ser Phe Gln Leu Leu Tyr Asp Leu Lys
1   5   10

<210> 1538
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1538
Gln Ala Gln Leu Glu Lys Glu Leu Ser Ala Ala Leu Gln Asp Lys Lys

1 5 10 15

<210> 1539
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1539
Gln Ala Gln Val Asn Leu Thr Val Val Asp Lys Pro Asp
1 5 10

<210> 1540
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1540
Gln Asp Cys Asp Gln Ala Leu Gln Leu Ala Asp Gly Asn Val Lys
1 5 10 15

<210> 1541
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1541
Gln Glu Met Val Ile Glu Val Lys Ala Ile Gly Gly Lys Lys
1 5 10

<210> 1542
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1542
Gln Glu Thr Pro Pro Pro Arg Ser Pro Pro Val Ala Asn Ser Gly Ser
1   5   10   15

Thr Gly Phe Ser Arg Arg Gly Ser Gly Arg Gly Gly Gly Pro Thr Pro
            20   25   30

<210> 1543
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1543
Gln Gly Pro Met Thr Gln Ala Ile Asn Arg
1   5   10

<210> 1544
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1544
Gln His Glu Val Glu Glu Ala Thr Asn Ile Leu Thr Ala Thr Arg
1   5   10   15

<210> 1545
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1545
Gln Ile Ala Ser Leu Thr Gly Leu Val Gln Ser Ala Leu Leu Arg

1 5 10 15

<210> 1546
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1546
Gln Ile Cys Ser Gln Leu Ser Glu Arg
1 5

<210> 1547
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1547
Gln Lys Ala Ser Gly Asp Ser Ala Arg
1 5

<210> 1548
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1548
Gln Lys Met Glu Glu Glu Lys Arg Arg Thr Glu Glu Glu Arg
1 5 10

<210> 1549
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1549
Gln Leu Glu Leu Ala Cys Glu Thr Gln Glu Glu Val Asp Ser Trp Lys
1   5   10   15

<210> 1550
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1550
Gln Leu Asn Glu Thr Gly Gly Pro Val Leu Val Ser Ala Pro Ile Ser
1   5   10   15

Pro Glu Glu Gln Asp Lys Leu Glu Asn Lys
            20   25

<210> 1551
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1551
Gln Leu Pro Lys Pro Asn Gln Asp Thr Met Gln Ile Leu Phe Arg
1   5   10   15

<210> 1552
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1552
Gln Leu Gln Thr Leu Ala Pro Lys

1 5

<210> 1553
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1553
Gln Asn Gly Asp Ser Ala Tyr Leu Tyr Leu Leu Ser Ala Arg
1 5 10

<210> 1554
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1554
Gln Pro Asp Val Glu Glu Ile Leu Ser Lys
1 5 10

<210> 1555
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1555
Gln Gln Asn Leu Ala Val Ser Glu Ser Pro Val Thr Pro Ser Ala Leu
1 5 10 15

Ala Glu Leu Leu Asp Leu Leu Asp Ser Arg
20 25

<210> 1556
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1556
Gln Gln Gln Met His Ile Val Asp Met Leu Ser Lys
1   5   10

<210> 1557
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1557
Gln Ser Ser His Asn Phe Gln Leu Glu Ser Val Asn Lys
1   5   10

<210> 1558
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1558
Gln Thr Leu Leu Ala Glu Ser Glu Ala Leu Thr Ser Tyr Ser His Arg
1   5   10   15

<210> 1559
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1559
Gln Thr Ser Val Ala Asp Leu Leu Ala Ser Phe Asn Asp Gln Ser Thr

1 5 10 15

Ser Asp Tyr Leu Val Val Tyr Leu Arg
20 25

<210> 1560
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1560
Gln Val Phe Gly Gln Thr Thr Ile His Gln His Ile Pro Phe Asn Trp
1 5 10 15

Asp Ser Glu Phe Val Gln Leu His Phe Gly Lys
20 25

<210> 1561
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1561
Gln Val Val Gln Asp Leu Leu Lys
1 5

<210> 1562
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1562
Arg Ala Ser Ala Ala Ala Ala Ala Gly Gly Gly Ala Thr Gly His Pro
1 5 10 15

Gly Gly Gly Gln Gly Ala Glu Asn Pro Ala Gly Leu Lys

20 25

<210> 1563
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1563
Arg Cys Asp Leu Cys Ala Pro Gly Tyr Tyr Gly Phe Gly Pro Thr Gly
1 5 10 15

Cys Gln Ala Cys Gln Cys Ser His Glu Gly Ala Leu Ser Ser Leu Cys
20 25 30

Glu Lys

<210> 1564
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1564
Arg Cys Glu Gln Val Gln Pro Gly Tyr Phe Arg
1 5 10

<210> 1565
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1565
Arg Asp Asn Glu Val Asp Gly Gln Asp Tyr His Phe Val Val Ser Arg
1 5 10 15

<210> 1566
<211> 32
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1566
Arg Asp Pro Ser Ser Asn Asp Ile Asn Gly Gly Met Glu Pro Thr Pro
1   5   10   15

Ser Thr Val Ser Thr Pro Ser Pro Ser Ala Asp Leu Leu Gly Leu Arg
            20   25   30

<210> 1567
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1567
Arg Glu Met Ala Ala Ala Ser Ala Ala Ala Ile Ser Gly Ala Gly Arg
1   5   10   15

<210> 1568
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1568
Arg Glu Thr Leu Phe Thr Leu Asp Asp Gln Ala Leu Gly Pro Glu Leu
1   5   10   15

Thr Ala Pro Ala Pro Glu Pro Pro Ala Glu Glu Pro Arg
            20   25

<210> 1569
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1569
Arg Phe Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys
1   5   10   15

<210> 1570
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1570
Arg Gly Ser Asp Glu Leu Thr Val Pro Arg Tyr Arg
1   5   10

<210> 1571
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1571
Arg Ile Glu Gly Ser Gly Asp Gln Ile Asp Thr Tyr Glu Leu Ser Gly
1   5   10   15

Gly Ala Arg

<210> 1572
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1572
Arg Lys Glu Glu Glu Glu Ala Glu Asp Lys
1   5   10

<210> 1573
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1573
Arg Leu Asp Ile Asp Glu Lys Pro Leu Val Val Gln Leu Asn Trp Asn
1   5   10   15

Lys Asp Asp Arg
            20

<210> 1574
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1574
Arg Pro Pro Glu Pro Glu Lys Ala Pro Pro Ala Ala Pro Thr Arg Pro
1   5   10   15

Ser Ala Leu Glu Leu Lys
            20

<210> 1575
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1575
Arg Pro Arg Pro Gln Gly Arg Ser Val Ser Glu Pro Arg

1 5 10

<210> 1576
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1576
Arg Gln Ala Glu Gly Leu Ser Glu Asp Gly Ala Ala Met Ala Val Glu
1 5 10 15

Pro Thr Gln Ile Gln Leu Ser Lys
20

<210> 1577
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1577
Arg Arg Lys Val Pro Pro Ser Gly Ser Gly Gly Ser Glu Leu Ser Asn
1 5 10 15

Gly Glu Ala Gly Glu Ala Tyr Arg
20

<210> 1578
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1578
Arg Ser Leu Glu Leu Gln Thr Arg Thr Glu Glu Glu Lys Lys
1 5 10

<210> 1579
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1579
Arg Ser Ser Tyr Leu Leu Ala Ile Thr Thr Glu Arg Ser Lys
1   5   10

<210> 1580
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1580
Arg Val Ala Ala Gln Val Asp Gly Gly Ala Gln Val Gln Gln Val Leu
1   5   10   15

Asn Ile Glu Cys Leu Arg
            20

<210> 1581
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1581
Ser Ala Glu Glu Ser Asp Arg Leu Arg
1   5

<210> 1582
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1582
Ser Cys Asp Cys Asp Pro Met Gly Ser Gln Asp Gly Gly Arg
1   5   10

<210> 1583
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1583
Ser Asp Val Leu Glu Thr Val Val Leu Ile Asn Pro Ser Asp Glu Ala
1   5   10   15

Val Ser Thr Glu Val Arg
            20

<210> 1584
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1584
Ser Glu Asp Tyr Glu Leu Leu Cys Pro Asn Gly Ala Arg
1   5   10

<210> 1585
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1585
Ser Phe Gly Ser Ser Leu Met Glu Ser Glu Val Asn Leu Asp Arg

1 5 10 15

<210> 1586
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1586
Ser Gly His Asp Gln Val Val Glu Leu Leu Leu Glu Arg Gly Ala Pro
1 5 10 15

Leu Leu Ala Arg
20

<210> 1587
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1587
Ser Gly Leu Thr Ser Leu His Leu Ala Ala Gln Glu Asp Lys Val Asn
1 5 10 15

Val Ala Asp Ile Leu Thr Lys
20

<210> 1588
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1588
Ser Gly Arg Pro Ser Cys Leu Tyr Ser Ala Ala Arg Pro Ser Gly Ser
1 5 10 15

Tyr Arg

<210> 1589
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1589
Ser Gly Thr Ile Phe Asp Asn Phe Leu Ile Thr Asn Asp Glu Ala
1   5   10   15

<210> 1590
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1590
Ser Gly Thr Leu Ala Leu Val Glu Pro Leu Val Ala Ser Leu Asp Pro
1   5   10   15

Gly Arg

<210> 1591
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1591
Ser Lys Ile Val Gly Ala Pro Met His Asp Leu Leu Leu Trp Asn Asn
1   5   10   15

Ala Thr Val Thr Thr Cys His Ser Lys
            20   25

<210> 1592
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1592
Ser Lys Pro Glu Asp Trp Asp Glu Arg
1 5

<210> 1593
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1593
Ser Leu Glu Gly Ser Asp Asp Ala Val Leu Leu Gln Arg Arg Leu Asp
1 5 10 15

Asn Met Asn Phe Lys Trp Ser Glu Leu Arg
  20 25

<210> 1594
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1594
Ser Leu Asn Pro Glu Gln Trp Ser Gln Leu Lys
1 5 10

<210> 1595
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1595
Ser Leu Ser Asp Pro Ser Arg Arg Gly Glu Leu Ala Gly Pro Gly Phe
1   5   10   15

Glu Gly Pro Gly Gly Glu Pro Ile Arg Glu Val
            20   25

<210> 1596
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1596
Ser Asn Arg Asp Glu Leu Glu Leu Glu Leu Ala Glu Asn Arg
1   5   10

<210> 1597
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1597
Ser Pro Ala Arg Pro Gln Pro Gly Glu Gly Pro Gly Gly Pro Gly Gly
1   5   10   15

Pro Pro Glu Val Ser Arg
            20

<210> 1598
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1598
Ser Pro Ala Arg Pro Gln Pro Gly Glu Gly Pro Gly Gly Pro Gly Gly
1   5   10   15

Pro Pro Glu Val Ser Arg
            20

<210> 1599
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1599
Ser Pro Asp Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1   5   10   15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg
            20   25

<210> 1600
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1600
Ser Pro Asp Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1   5   10   15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg
            20   25

<210> 1601
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1601
Ser Pro Asp Thr Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val
1   5   10   15

Ser Glu Glu Ser Thr Thr Ser His Ser Arg
            20   25

<210> 1602
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1602
Ser Pro Phe Pro Ser Gln His Leu Glu Ala Pro Glu Asp Lys
1   5   10

<210> 1603
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1603
Ser Pro Gly Pro Pro Gln Val Asp Gly Thr Pro Thr Met Ser Leu Glu
1   5   10   15

Arg Pro Pro Arg
            20

<210> 1604
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1604
Ser Pro Thr Thr Thr Leu Ser Pro Ala Ser Met Thr Ser Leu Gly Val

1 5 10 15

Gly Glu Glu Ser Thr Thr Ser Arg
20

<210> 1605
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1605
Ser Pro Thr Thr Thr Leu Ser Pro Ala Ser Met Thr Ser Leu Gly Val
1 5 10 15

Gly Glu Glu Ser Thr Thr Ser Arg
20

<210> 1606
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1606
Ser Pro Thr Thr Thr Leu Ser Pro Ala Ser Met Thr Ser Leu Gly Val
1 5 10 15

Gly Glu Glu Ser Thr Thr Ser Arg
20

<210> 1607
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1607
Ser Pro Thr Thr Thr Leu Ser Pro Ala Ser Met Thr Ser Leu Gly Val

1 5 10 15

Gly Glu Glu Ser Thr Thr Ser Arg
20

<210> 1608
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1608
Ser Gln Ala Tyr Ala Asp Tyr Ile Gly Phe Ile Leu Thr Leu Asn Glu
1 5 10 15

Gly Val Lys

<210> 1609
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1609
Ser Gln Met Asn Cys Asn Leu Gly Thr Cys Gln Leu Gln Arg
1 5 10

<210> 1610
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1610
Ser Arg Gln Glu Leu Asn Thr Ile Ala Ser Lys Pro Pro Arg
1 5 10

<210> 1611
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1611
Ser Ser His Val Thr Ile Asp Thr Leu Lys
1 5 10

<210> 1612
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1612
Ser Ser Gln Asn Asp Ser Pro Gly Asp Ala Ser Glu Gly Pro Glu Tyr
1 5 10 15

Leu Ala Ile Gly Asn Leu Asp Pro Arg Gly Arg
            20 25

<210> 1613
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1613
Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys Lys
1 5 10

<210> 1614
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1614
Ser Thr Ser Phe Asn Val Gln Asp Leu Leu Pro Asp His Glu Tyr Lys
1   5   10   15

Phe Arg

<210> 1615
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1615
Ser Val Glu Gln Glu Val Val Gln Ser Gln Leu Asn His Cys Val Asn
1   5   10   15

Leu Tyr Lys

<210> 1616
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1616
Ser Val Tyr Thr Met Pro Leu Ala Asn His Arg
1   5   10

<210> 1617
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1617
Ser Trp Ala Glu Asp Glu Lys Gln Lys Ala Glu Thr Val Gln Ala Ala
1   5   10   15

Leu Glu Glu Ala Gln Arg
            20

<210> 1618
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1618
Ser Trp Cys Ser Gly His Leu His Leu Arg Cys Pro Arg
1   5   10

<210> 1619
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1619
Ser Tyr Val Asp Thr Gly Gly Val Ser Arg
1   5   10

<210> 1620
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1620
Ser Tyr Val Ile Thr Gly Ser Trp Asn Pro Lys
1   5   10

<210> 1621
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1621
Thr Ala Ile Trp Glu Asp Gln Asn Leu Arg
1 5 10

<210> 1622
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1622
Thr Ala Leu Leu Thr Ala Gly Asp Ile Tyr Leu Leu Ser Thr Phe Arg
1 5 10 15

<210> 1623
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1623
Thr Glu Ala Leu Met Asp Ala Gln Lys Glu Asp Phe Asn Ser Lys
1 5 10 15

<210> 1624
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1624
Thr Glu Phe Cys Leu His Asp Gly Pro Pro Tyr Ala Asn Gly Asp Pro
1   5   10   15

His Val Gly His Ala Leu Asn Lys
            20

<210> 1625
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1625
Thr Glu Ser Ser Gly Gly Trp Gln Asn Arg
1   5   10

<210> 1626
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1626
Thr His Ile Glu Ser Ser Gly His Gly Val Asp Thr Cys Leu His Val
1   5   10   15

Val Leu Ser Ser Lys Val Cys Arg
            20

<210> 1627
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1627
Thr Lys Val His Ala Glu Leu Ala Asp Val Leu Thr Glu Ala Val Val

1 5 10 15

Asp Ser Ile Leu Ala Ile Lys Lys
20

<210> 1628
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1628
Thr Leu Glu Ile Ala Leu Glu Gln Lys Lys Glu Glu Cys Leu Lys
1 5 10 15

<210> 1629
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1629
Thr Leu Asn Ala Thr Gly Glu Glu Ile Ile Gln Gln Ser Ser Lys
1 5 10 15

<210> 1630
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1630
Thr Leu Pro Ser Met Val His Arg
1 5

<210> 1631
<211> 7

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1631
Thr Met Asn Gly Asp Met Arg
1   5

<210> 1632
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1632
Thr Asn His Ile Gly Trp Val Gln Glu Phe Leu Asn Glu Glu Asn Arg
1   5   10   15

<210> 1633
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1633
Thr Asn Ile Gln Leu Pro Ala Cys Leu Arg
1   5   10

<210> 1634
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1634
Thr Pro Asp Glu Leu Gln Lys

1 5

<210> 1635
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1635
Thr Pro Leu Glu Arg Asp Asp Leu His Glu Ser Val Phe Arg
1 5 10

<210> 1636
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1636
Thr Ser Gly Asn Gln Asp Glu Ile Leu Val Ile Arg
1 5 10

<210> 1637
<211> 49
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1637
Thr Thr Leu Ser Pro Ala Ser Ser Thr Ser Pro Gly Leu Gln Gly Glu
1 5 10 15

Ser Thr Ala Phe Gln Thr His Pro Ala Ser Thr His Thr Thr Pro Ser
20 25 30

Pro Pro Ser Thr Ala Thr Ala Pro Val Glu Glu Ser Thr Thr Tyr His
35 40 45

Arg

<210> 1638
<211> 49
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1638
Thr Thr Leu Ser Pro Ala Ser Ser Thr Ser Pro Gly Leu Gln Gly Glu
1   5   10   15

Ser Thr Ala Phe Gln Thr His Pro Ala Ser Thr His Thr Thr Pro Ser
            20   25   30

Pro Pro Ser Thr Ala Thr Ala Pro Val Glu Glu Ser Thr Thr Tyr His
        35   40   45

Arg

<210> 1639
<211> 49
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1639
Thr Thr Leu Ser Pro Ala Ser Ser Thr Ser Pro Gly Leu Gln Gly Glu
1   5   10   15

Ser Thr Ala Phe Gln Thr His Pro Ala Ser Thr His Thr Thr Pro Ser
            20   25   30

Pro Pro Ser Thr Ala Thr Ala Pro Val Glu Glu Ser Thr Thr Tyr His
        35   40   45

Arg

<210> 1640
<211> 14

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1640
Thr Thr Gln Gly Leu Thr Ala Leu Leu Leu Ser Leu Lys Lys
1   5   10

<210> 1641
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1641
Thr Thr Gln Ile Ile Asn Ile Thr Met Thr Lys
1   5   10

<210> 1642
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1642
Thr Trp Val Gln Gln Ser Glu Thr Lys
1   5

<210> 1643
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1643
Val Ala Ile Gly Pro Ser Val Leu Asn Ala Ala Arg

1 5 10

<210> 1644
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1644
Val Ala Tyr Ile Pro Asp Glu Met Ala Ala Gln Gln Asn Pro Leu Gln
1 5 10 15

Gln Pro Arg

<210> 1645
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1645
Val Asp Ser Asp Met Asn Asp Ala Tyr Leu Gly Tyr Ala Ala Ala Ile
1 5 10 15

Ile Leu Arg

<210> 1646
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1646
Val Glu Asp Ala Tyr Ile Leu Thr Cys Asn Val Ser Leu Glu Tyr Glu
1 5 10 15

Lys

<210> 1647
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1647
Val Gly Ala Pro Met His Asp Leu Leu Leu Trp Asn Asn Ala Thr Val
1   5   10   15

Thr Thr Cys His Ser Lys
            20

<210> 1648
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1648
Val His Leu Phe Asp Ile Ile Thr Gln Tyr Arg
1   5   10

<210> 1649
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1649
Val Ile Glu Cys Phe Asn Val Glu Ser Arg
1   5   10

<210> 1650
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1650
Val Leu Gly His Phe Glu Lys Pro Leu Phe Leu Glu Leu Cys Arg
1   5   10   15

<210> 1651
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1651
Val Leu Met Asp Leu Gln Asn Gln Lys
1   5

<210> 1652
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1652
Val Leu Thr Thr Ser Pro Ser Arg
1   5

<210> 1653
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1653
Val Met Leu Pro Pro Gly Ala Gln His Ser Asp Glu Lys

1 5 10

<210> 1654
<211> 35
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1654
Val Asn Phe Arg Pro Arg Tyr Val Thr Arg Tyr Lys Thr Val Thr Gln
1 5 10 15

Leu Glu Trp Arg Cys Cys Pro Gly Phe Arg Gly Gly Asp Cys Gln Glu
20 25 30

Gly Pro Lys
35

<210> 1655
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1655
Val Pro Asp Met Ala Glu Ile Gln Ser Arg
1 5 10

<210> 1656
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1656
Val Gln Leu Leu Ser Gln Tyr Asp Asn Glu Lys
1 5 10

<210> 1657
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1657
Val Ser Arg Ala Ser Ser Pro Glu Gly Arg His Leu Pro Ser Pro Gln
1   5   10   15

Leu Gly Thr Lys
            20

<210> 1658
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1658
Val Thr Cys Thr Gly Tyr His Gln Val Arg
1   5   10

<210> 1659
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1659
Val Thr Glu Phe Asp Ala Ala Arg
1   5

<210> 1660
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1660
Val Val Gln Glu Glu Asn Gln His Met Gln Met Thr Ile Gln Ala Leu
1   5   10   15

Gln Asp Glu Leu Arg
            20

<210> 1661
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1661
Val Tyr Leu Asp Leu Thr Pro Val Lys
1   5

<210> 1662
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1662
Trp Cys Ala Thr Ser Asp Pro Glu Gln His Lys
1   5   10

<210> 1663
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1663
Trp Phe Ser Ile Gln Asn Asn Gln Leu Val Tyr Gln Lys

1 5 10

<210> 1664
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1664
Trp Ile Glu Phe Cys Gln Leu Leu Ser Glu Arg
1 5 10

<210> 1665
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1665
Trp Tyr Gln Asn Pro Asp Tyr Asn Phe Phe Asn Asn Tyr Lys
1 5 10

<210> 1666
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1666
Tyr Ala Asp Ser Leu Lys Pro Asn Ile Pro Tyr Lys
1 5 10

<210> 1667
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1667
Tyr Glu Asn His Ser Ala Thr Ala Glu Ser Ser Arg
1   5   10

<210> 1668
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1668
Tyr Leu Ile Thr Ala Thr Leu Thr Pro Glu Arg
1   5   10

<210> 1669
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1669
Tyr Leu Gln Gln Pro Gly Cys Leu Leu Val Gly Thr Asn Met Asp Asn
1   5   10   15

Arg

<210> 1670
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1670
Tyr Leu Arg Glu Leu Ser Gly Ser Gly Leu Glu Arg

1 5 10

<210> 1671
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1671
Tyr Leu Ser Ala Ser Glu Tyr Gly Ser Ser Val Asp Gly His Pro Glu
1 5 10 15

Val Pro Glu Thr Lys
20

<210> 1672
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1672
Tyr Asn Ala Ser Ser Gln Gln Gln Arg
1 5

<210> 1673
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1673
Tyr Gln Glu Thr Met Ser Ala Ile Arg
1 5

<210> 1674
<211> 23

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1674
Tyr Ser Phe Trp Leu Thr Thr Ile Pro Glu Gln Ser Phe Gln Gly Ser
1   5   10   15

Pro Ser Ala Asp Thr Leu Lys
            20

<210> 1675
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1675
Tyr Thr Lys Gln Gly Phe Gly Asn Leu Pro Ile Cys Met Ala Lys
1   5   10   15

<210> 1676
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1676
Tyr Val Pro Ala Ile Ala His Leu Ile His Ser Leu Asn
1   5   10

<210> 1677
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1677
Ala Ala Glu Cys Leu Asp Val Asp Glu Cys His Arg Val Pro Pro Pro
1   5   10   15

Cys Asp Leu Gly Arg
            20

<210> 1678
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1678
Ala Glu Gly Gly Lys Arg Pro Ala Arg
1   5

<210> 1679
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1679
Ala Glu Pro Val Trp Thr Pro Pro Ala Pro Ala Pro Ala Ala Pro Pro
1   5   10   15

Ser Thr Pro Ala Ala Pro Lys
            20

<210> 1680
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1680
Ala Phe Leu Cys Pro Leu Ile Cys His Asn Gly Gly Val Cys Val Lys

1 5 10 15

Pro Asp Arg

<210> 1681
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1681
Ala His Leu Ile His Ser Leu Asn Pro Val Arg
1 5 10

<210> 1682
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1682
Ala Ile Ala His Leu Ile His Ser Leu Asn Pro Val Arg
1 5 10

<210> 1683
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1683
Ala Ile Trp Asn Val Ile Asn Trp
1 5

<210> 1684
<211> 11

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1684
Ala Ile Trp Asn Val Ile Asn Trp Glu Asn Val
1   5   10

<210> 1685
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1685
Ala Asn Gly Ile Thr Met Tyr Ala Val Gly Val Gly Lys
1   5   10

<210> 1686
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1686
Ala Gln Pro Val Pro Phe Val Pro Gln Val Leu Gly Val Met Ile Gly
1   5   10   15

Ala Gly Val Ala Val Val Val Thr Ala Val Leu Ile Leu Leu Val Val
            20   25   30

Arg Arg

<210> 1687
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1687
Ala Arg Ile Leu Thr Ala Ala Arg
1   5

<210> 1688
<211> 30
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1688
Ala Val Gly Pro Gly Ala Gly Gly Ala Gly Ser Ala Val Pro Gly Gly
1   5   10   15

Ala Gly Pro Cys Ala Thr Val Ser Val Phe Pro Gly Ala Arg
            20   25   30

<210> 1689
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1689
Ala Tyr Asp Asn Phe Gly Val Leu Gly Leu Asp Leu Trp Gln Val Lys
1   5   10   15

<210> 1690
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1690
Cys Val Cys Pro Ala Gly Phe Arg

1 5

<210> 1691
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1691
Cys Val His Gly Pro Thr Gly Ser Arg
1 5

<210> 1692
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1692
Cys Val Pro Pro Arg Thr Ser Ala Gly Thr Phe Pro Gly Ser Gln Pro
1 5 10 15

Gln Ala Pro Ala Ser Pro Val Leu Pro Ala Arg
20 25

<210> 1693
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1693
Asp His Pro Ser Ser His Ser Ala Gln Pro Pro Arg
1 5 10

<210> 1694
<211> 20

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1694
Asp Lys Glu Arg Leu Gln Ala Met Met Thr His Leu His Val Lys Ser
1   5   10   15

Thr Glu Pro Lys
            20

<210> 1695
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1695
Asp Leu Asp Asn Ala Glu Glu Lys Ala Asp Ala Leu Asn Lys
1   5   10

<210> 1696
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1696
Asp Leu Tyr Ser Ala Leu Ile Gln Phe Phe Gln Ile Phe Pro Glu Tyr
1   5   10   15

Lys

<210> 1697
<211> 36
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1697
Asp Pro Ala Ser Asp Lys Leu Leu Gly Pro Ala Gly Leu Thr Trp Glu
1   5   10   15

Arg Asn Leu Pro Gly Ala Gly Val Gly Lys Glu Met Ala Gly Val Pro
            20   25   30

Pro Thr Leu Arg
        35

<210> 1698
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1698
Asp Ser Ala Val Met Asp Asp Ser Val Val Ile Pro Ser His Gln Val
1   5   10   15

Ser Thr Leu Ala Lys
            20

<210> 1699
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1699
Asp Ser Ser Thr Pro Tyr Gln Glu Ile Ala Ala Val Pro Ser Ala Gly
1   5   10   15

Arg

<210> 1700
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1700
Asp Trp Asp Ser Pro Tyr Ser His Asp Leu Asp Thr
1   5   10

<210> 1701
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1701
Asp Trp Asp Ser Pro Tyr Ser His Asp Leu Asp Thr Ser
1   5   10

<210> 1702
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1702
Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro Pro
1   5   10   15

Arg Pro Gln Pro Ala Phe Lys
            20

<210> 1703
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1703
Glu Glu Ser Arg Glu Pro Ala Pro Ala Ser Pro Ala Pro Ala
1   5   10

<210> 1704
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1704
Glu Leu Ser Ser Lys Gly Val Lys
1   5

<210> 1705
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1705
Glu Met Glu Leu Arg Arg Gln Ala Leu Glu Glu Glu Arg Arg
1   5   10

<210> 1706
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1706
Glu Asn Gly Thr Val Pro Lys
1   5

<210> 1707
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1707
Glu Asn Lys Glu Val Val Leu Gln Trp Phe Thr Glu Asn Ser Lys
1   5   10   15

<210> 1708
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1708
Glu Val Ala Glu Ser Pro Arg Pro Arg
1   5

<210> 1709
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1709
Phe Ile Leu Asp Asn Leu Lys
1   5

<210> 1710
<211> 18
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1710
Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys Pro Tyr Phe

1 5 10 15

Ser Lys

<210> 1711
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1711
Phe Pro Ile Glu Gly Gly Gln Lys Asp Pro Lys
1 5 10

<210> 1712
<211> 27
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1712
Phe Ser Thr Glu Tyr Glu Leu Gln Gln Leu Glu Gln Phe Lys Lys Asp
1 5 10 15

Asn Glu Glu Thr Gly Phe Gly Ser Gly Thr Arg
20 25

<210> 1713
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1713
Phe Trp Pro Ala Ile Asp Asp Gly Leu Arg
1 5 10

<210> 1714
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1714
Phe Tyr Ile Asp Phe Gly Gly Val Lys Pro Met Gly Ser Glu Pro Val
1   5   10   15

Pro Lys Ser Arg
            20

<210> 1715
<211> 31
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1715
Gly Ala Asp Leu Ile Glu Glu Ala Ala Ser Arg Ile Val Asp Ala Val
1   5   10   15

Ile Glu Gln Val Lys Ala Ala Gly Ala Leu Leu Thr Glu Gly Glu
            20   25   30

<210> 1716
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1716
Gly Ala Asp Tyr Ala Glu Pro Thr Trp Asn Leu Lys
1   5   10

<210> 1717
<211> 16

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1717
Gly Asp Glu Glu Lys Asp Lys Gly Leu Gln Thr Ser Gln Asp Ala Arg
1   5   10   15

<210> 1718
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1718
Gly Asp Ile Leu Gln Thr Pro Gln Phe Gln Met Arg
1   5   10

<210> 1719
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1719
Gly Asp Asn Leu Pro Gln Tyr Arg
1   5

<210> 1720
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1720
Gly Asn Glu Ala Val Ala Ser Arg

1 5

<210> 1721
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1721
Gly Pro Asn Lys His Thr Leu Thr Gln Ile Lys Asp Ala Val Arg
1 5 10 15

<210> 1722
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1722
Gly Gln Gly Pro Met Phe Leu Asp Ala Asp Phe Val Ala Phe Thr Asn
1 5 10 15

His Phe Lys

<210> 1723
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1723
Gly Thr Ala Thr Pro Glu Leu His Thr Ala Thr Asp Tyr Arg
1 5 10

<210> 1724
<211> 21

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1724
Gly Trp Ala Gly Asp Ser Gly Pro Gln Gly Arg Pro Gly Val Phe Gly
1   5   10   15

Leu Pro Gly Glu Lys
            20

<210> 1725
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1725
Gly Tyr Leu Ala Pro Ser Gly Asp Leu Ser Leu Arg Arg
1   5   10

<210> 1726
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1726
His Ala Glu Gln Gln Ala Leu Arg
1   5

<210> 1727
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1727
Ile Glu Asp Pro Ser Leu Leu Asn Ser Arg
1   5   10

<210> 1728
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1728
Ile Phe Met Glu Glu Val Pro Gly Gly Ser Leu Ser Ser Leu Leu Arg
1   5   10   15

Ser

<210> 1729
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1729
Ile Phe Met Glu Glu Val Pro Gly Gly Ser Leu Ser Ser Leu Leu Arg
1   5   10   15

Ser

<210> 1730
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1730
Ile Ile Glu Val Ala Pro Gln Val Ala Thr Gln Asn Val Asn Pro Thr

1 5 10 15

Pro Gly Ala Thr
20

<210> 1731
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1731
Ile Leu Asn Ser Asp Gln Thr Thr Cys Arg
1 5 10

<210> 1732
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1732
Ile Ser Cys Trp Gly His Ser Glu Pro Ser Met Arg
1 5 10

<210> 1733
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1733
Ile Val Val His Ser Val Glu Asn Met Asn Phe Arg
1 5 10

<210> 1734
<211> 7

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1734
Lys Ala Val Ala His Met Lys
1   5

<210> 1735
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1735
Lys Asp Ile Thr Ala Ala Leu Ala Ala Glu Arg
1   5   10

<210> 1736
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1736
Lys Asp Asn Glu Glu Thr Gly Phe Gly Ser Gly Thr Arg
1   5   10

<210> 1737
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1737
Lys His Gln Gly His Phe Leu Leu Gly Thr Leu Ser Arg

1 5 10

<210> 1738
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1738
Lys Ile Ala Glu Ile Gln Ala Arg Arg
1 5

<210> 1739
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1739
Lys Lys Glu Ala Asp Met Gln Gln Lys
1 5

<210> 1740
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1740
Lys Leu Phe Gly Gly Pro Gly Ser Arg Arg
1 5 10

<210> 1741
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1741
Lys Pro Ala Ala Gly Leu Ser Ala Ala Pro Val Pro Thr Ala Pro Ala
1   5   10   15

Ala Gly Ala Pro
            20

<210> 1742
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1742
Lys Ser Ser Thr Gly Ser Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu
1   5   10   15

Glu Ser Glu Glu Asp Val Ser Gln Ala
            20   25

<210> 1743
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1743
Lys Val Val Ala Thr Thr Gln Met Gln Ala Ala Asp Ala Arg Lys
1   5   10   15

<210> 1744
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1744
Leu Ala Asp Ser Asp Gln Ala Ser Lys Val Gln Gln Gln Lys
1   5   10

<210> 1745
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1745
Leu Ala Tyr Val Ser Cys Val Arg
1   5

<210> 1746
<211> 33
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1746
Leu Gly Ile Val Gln Gly Ile Val Gly Ala Arg Asn Thr Ser Ala Ala
1   5   10   15

Ser Thr Ala Gln Leu Val Glu Ala Thr Glu Glu Leu Arg Arg Glu Ile
            20   25   30

Gly

<210> 1747
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1747
Leu His Tyr Asn Glu Leu Gly Ala Lys Val Thr Glu Arg Lys Gln Gln

1 5 10 15

<210> 1748
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1748
Leu Ile Glu Val Gly Pro Ser Gly Ala Gln Phe Leu Gly Lys
1 5 10

<210> 1749
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1749
Leu Lys Gln Thr Asn Leu Gln Trp Ile Lys
1 5 10

<210> 1750
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1750
Leu Lys Thr Val Phe Tyr Arg
1 5

<210> 1751
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1751
Leu Leu Ile Ser Cys Trp Gly His Ser Glu Pro Ser Met Arg
1   5   10

<210> 1752
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1752
Leu Met Phe Asp Arg Ser Glu Val Tyr Gly Pro Met Lys
1   5   10

<210> 1753
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1753
Leu Met Leu Glu Trp Gln Phe Gln Lys
1   5

<210> 1754
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1754
Leu Pro Ala Ala Pro Pro Val Ala Pro Glu Arg
1   5   10

<210> 1755
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1755
Leu Pro Pro Val Leu Gly Thr Glu Ser Asp Ala Thr Val Lys
1   5   10

<210> 1756
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1756
Leu Pro Gln Glu Pro Gly Arg
1   5

<210> 1757
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1757
Leu Gln Gly Gln Asp Ser Glu Arg Val Arg Ala Trp Gln Arg
1   5   10

<210> 1758
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1758
Leu Ser Arg Lys Gly Gly His Glu Arg
1   5

<210> 1759
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1759
Leu Thr Glu Leu Glu Asn Glu Leu Asn Thr Lys
1   5   10

<210> 1760
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1760
Leu Thr Gly Lys Ala Glu Gly Gly Lys
1   5

<210> 1761
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1761
Leu Trp Glu Ala Val Lys Arg Arg
1   5

<210> 1762
<211> 13

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1762
Leu Trp His Leu Asp Pro Asp Thr Glu Tyr Glu Ile Arg
1   5   10

<210> 1763
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1763
Leu Tyr Gly Val Val Leu Thr Pro Pro Met Lys
1   5   10

<210> 1764
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1764
Met Glu Leu Glu Glu Val Thr Arg Leu Leu Asn Leu Lys Asp Lys
1   5   10   15

<210> 1765
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1765
Met Ile Glu Asp Ser Gly Pro Gly Met Lys Val Leu Leu

1 5 10

<210> 1766
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1766
Met Pro Val Ala Gly Ser Glu Leu Pro Arg
1 5 10

<210> 1767
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1767
Asn Phe Val Leu Val Leu Ser Pro Gly Ala Leu Asp Lys
1 5 10

<210> 1768
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1768
Asn Ile Met Phe Gly Pro Asp Ile Cys Gly Pro Gly Thr Lys
1 5 10

<210> 1769
<211> 24
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1769
Asn Ile Thr Ile Ile Val Glu Asp Pro Ile Ala Glu Ser Cys Asn Asp
1   5   10   15

Lys Ala Lys Leu Arg Gly Pro Leu
            20

<210> 1770
<211> 34
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1770
Asn Pro Lys Ala Glu Val Ala Arg Ala Gln Ala Ala Leu Ala Val Asn
1   5   10   15

Ile Ser Ala Ala Arg Gly Leu Gln Asp Val Leu Arg Thr Asn Leu Gly
            20   25   30

Pro Lys

<210> 1771
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1771
Asn Gln Val Thr Gln Leu Lys
1   5

<210> 1772
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1772
Asn Val Ile Asn Trp Glu Asn Val Thr Glu Arg
1   5   10

<210> 1773
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1773
Pro Gly His Tyr Asp Ile Leu Tyr Lys
1   5

<210> 1774
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1774
Pro Gly Ser Pro Gly Leu Pro Gly Met Pro Gly Arg
1   5   10

<210> 1775
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1775
Pro Leu Glu Glu Gly Leu Asn Lys Ala Ile His Tyr Phe Arg
1   5   10

<210> 1776
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1776
Pro Leu Ser Thr Arg Val Pro Arg
1   5

<210> 1777
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1777
Pro Ser Ala Gly Phe Leu Pro Thr His Arg
1   5   10

<210> 1778
<211> 21
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1778
Pro Ser Gly Pro Gln Pro Gln Ala Asp Leu Gln Ala Leu Leu Gln Ser
1   5   10   15

Gly Ala Gln Val Arg
            20

<210> 1779
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1779
Pro Ser Ser Ser Gly Ser Thr Gly Thr Lys Leu Ser Pro Ala Arg Ser
1   5   10   15

Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
            20   25

<210> 1780
<211> 29
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1780
Pro Ser Ser Ser Gly Ser Thr Gly Thr Lys Leu Ser Pro Ala Arg Ser
1   5   10   15

Thr Thr Ser Gly Leu Val Gly Glu Ser Thr Pro Ser Arg
            20   25

<210> 1781
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1781
Gln Gly Tyr Ile Leu Asn Ser Asp Gln Thr Thr Cys Arg
1   5   10

<210> 1782
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1782
Gln Val Phe Glu Glu Leu Trp Lys
1   5

<210> 1783
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1783
Gln Val Lys Pro Lys Thr Val Ser Glu Glu Glu Arg Lys Val
1   5   10

<210> 1784
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1784
Gln Tyr Ile Ser Lys Met Ile Glu Asp Ser Gly Pro Gly Met Lys
1   5   10   15

<210> 1785
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1785
Gln Tyr Met Pro Trp Glu Ala Ala Leu Ser Ser Leu Ser Tyr Phe Lys
1   5   10   15

<210> 1786
<211> 21

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1786
Arg Ala Asp Val Leu Ala Phe Pro Ser Ser Gly Phe Thr Asp Leu Ala
1   5   10   15

Glu Ile Val Ser Arg
            20

<210> 1787
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1787
Arg Ala Val Ala Ala Gln Pro Gly Arg Lys Arg
1   5   10

<210> 1788
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1788
Arg Asp Glu Gly Ser Gln Asp Gln Thr Gly Ser Leu Ser Arg Ala Arg
1   5   10   15

Pro Ser Ser Arg
            20

<210> 1789
<211> 20
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1789
Arg Asp Pro Glu Val Gly Lys Asp Glu Leu Ser Lys Pro Ser Ser Asp
1   5   10   15

Ala Glu Ser Arg
            20

<210> 1790
<211> 19
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1790
Arg Met Gln Ser Ser Ala Asp Leu Ile Ile Gln Glu Phe Met Asp Leu
1   5   10   15

Arg Thr Arg

<210> 1791
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1791
Ser Ala Ser Phe Glu Pro Phe Ser Asn Lys
1   5   10

<210> 1792
<211> 23
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1792
Ser Asp Gln Ile Gly Leu Pro Asp Phe Asn Ala Gly Ala Met Glu Asn
1   5   10   15

Trp Gly Leu Val Thr Tyr Arg
            20

<210> 1793
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1793
Ser Phe Ala Cys Gln Cys Pro Glu Gly His Val Leu Arg
1   5   10

<210> 1794
<211> 33
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1794
Ser Phe Leu Lys Leu Ile Leu Gln Val Glu Lys Trp Gln Glu Glu Cys
1   5   10   15

Glu Glu Gly Glu Gly Arg Thr Ile Ile His Cys Leu Asn Gly Gly Gly
            20   25   30

Arg

<210> 1795
<211> 35
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1795
Ser Phe Pro Ala Ala Gln Ile Pro Ile Ala Val Glu Glu Pro Gly Ser
1   5   10   15

Ser Ser Arg Glu Ser Val Ser Lys Ala Gly Met Pro Val Ser Ala Asp
            20   25   30

Ala Ala Lys
        35

<210> 1796
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1796
Ser Phe Thr Gln Gly Glu Gly Ala Arg
1   5

<210> 1797
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1797
Ser Phe Thr Gln Gly Glu Gly Ala Arg Pro Leu Ser Thr Arg
1   5   10

<210> 1798
<211> 11
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1798
Ser His Thr Leu Ser His Ala Ser Tyr Leu Arg

1 5 10

<210> 1799
<211> 7
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1799
Ser Leu Glu Gln Leu Gln Lys
1 5

<210> 1800
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1800
Ser Pro His Thr Thr Leu Ser Pro Ala Gly Ser Thr Thr Arg
1 5 10

<210> 1801
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1801
Ser Pro His Thr Thr Leu Ser Pro Ala Gly Ser Thr Thr Arg
1 5 10

<210> 1802
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1802
Ser Pro His Thr Thr Leu Ser Pro Ala Gly Ser Thr Thr Arg
1   5   10

<210> 1803
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1803
Ser Pro His Thr Thr Leu Ser Pro Ala Gly Ser Thr Thr Arg
1   5   10

<210> 1804
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1804
Ser Gln Thr Leu Ile Asp Leu Asn Arg
1   5

<210> 1805
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1805
Ser Ser His Asn Phe Gln Leu Glu Ser Val Asn Lys
1   5   10

<210> 1806
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1806
Ser Thr Cys Ala Pro Ser Pro Gln Arg
1 5

<210> 1807
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1807
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1 5

<210> 1808
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1808
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1 5

<210> 1809
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1809
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1810
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1810
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1811
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1811
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1812
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1812
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1813
<211> 9

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1813
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1814
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1814
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1815
<211> 9
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1815
Ser Thr Thr Phe Tyr Ser Ser Pro Arg
1   5

<210> 1816
<211> 16
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1816
Thr Ala Thr Ala Gly Ala Ile Ser Glu Leu Thr Glu Ser Arg Leu Arg

1 5 10 15

<210> 1817
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1817
Thr Glu Val Ala Ile Gly Pro Ser Val Leu Asn Ala Ala Arg
1 5 10

<210> 1818
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1818
Thr Gly Asp Pro Gln Glu Thr Leu Arg Arg
1 5 10

<210> 1819
<211> 26
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1819
Thr His Leu Ser Leu Ser His Asn Pro Glu Gln Lys Gly Val Pro Thr
1 5 10 15

Gly Phe Ile Leu Pro Ile Arg Asp Ile Arg
20 25

<210> 1820
<211> 8

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1820
Thr His Thr Ala Thr Gly Ile Arg
1   5

<210> 1821
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1821
Thr Leu Ala Thr Gln Leu Asn Gln Gln Lys
1   5   10

<210> 1822
<211> 17
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1822
Thr Pro Val Pro Glu Lys Val Pro Pro Pro Lys Pro Ala Thr Pro Asp
1   5   10   15

Phe

<210> 1823
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1823
Thr Val Gln Gln Pro Thr Val Gln His Arg
1   5   10

<210> 1824
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1824
Thr Tyr Gln Gly Phe Trp Asn Pro Pro Leu Ala Pro Arg
1   5   10

<210> 1825
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1825
Val Leu Cys Gly Asp Ala Gly Leu Leu Arg Gly Leu Ala Asp Gly Leu
1   5   10   15

Val Gln Ala Gly Val Gly Thr Glu Ala Leu Leu Thr Pro Leu Val Gly
            20   25   30

Arg Leu Ala Arg Leu
        35

<210> 1826
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1826
Val Leu Cys Gly Asp Ala Gly Leu Leu Arg Gly Leu Ala Asp Gly Leu

1 5 10 15

Val Gln Ala Gly Val Gly Thr Glu Ala Leu Leu Thr Pro Leu Val Gly
20 25 30

Arg Leu Ala Arg Leu
35

<210> 1827
<211> 10
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1827
Val Asn Tyr Asp Glu Glu Asn Trp Arg Lys
1 5 10

<210> 1828
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1828
Val Pro Glu Gly Phe Thr Cys Arg
1 5

<210> 1829
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1829
Trp Ser Glu Leu Arg Lys Lys Ser Leu Asn Ile Arg
1 5 10

<210> 1830
<211> 25
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1830
Trp Ser Ser Arg Gly Ser Gly Gly Trp Gly Val Tyr Arg Ser Pro Ser
1   5   10   15

Phe Gly Ala Gly Glu Gly Leu Leu Arg
            20   25

<210> 1831
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1831
Trp Tyr Gln Pro Ser Phe His Gly Val Asp Leu Ser Ala Leu Arg
1   5   10   15

<210> 1832
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1832
Tyr Cys Asn Pro Gly Asp Val Cys Tyr Tyr Ala Ser Arg
1   5   10

<210> 1833
<211> 22
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1833
Tyr Gly Asn Leu Gly His Val Asn Ile Gly Ala Ile Gln Glu Pro Leu
1   5   10   15

Ala Phe Ile Leu Pro Lys
            20

<210> 1834
<211> 8
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1834
Tyr Ile Thr Ile Ser Gly Asn Arg
1   5

<210> 1835
<211> 13
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1835
Tyr Leu Ser Tyr Thr Leu Asn Pro Asp Leu Ile Arg Lys
1   5   10

<210> 1836
<211> 6
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1836
Tyr Met Val Thr Glu Arg

1 5

<210> 1837
<211> 18
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1837
ggagtagata cgctccgt 18

<210> 1838
<211> 23
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1838
cacagccagt ggccgctcag gta 23

<210> 1839
<211> 21
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1839
cttctccact gccaggatgt t 21

<210> 1840
<211> 19
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1840
taggagaatg tactgtat 19

<210> 1841
<211> 20

<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1841
ggagacactg gatgggagtc 20

<210> 1842
<211> 20
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1842
cgagaaacca caacctgcat 20

<210> 1843
<211> 19
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1843
tccctggaga agagctacg 19

<210> 1844
<211> 20
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1844
gtagtttcgt ggatgccaca 20

<210> 1845
<211> 20
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1845
ttgtgagtgg ttcagcggta 20

<210> 1846
<211> 21
<212> DNA
<213> Artifical Sequence

<220>
<223> Primer

<400> 1846
tcaagcgaaa ccatctcttc t 21

<210> 1847
<211> 222
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1847
Met Ala Cys Pro Trp Lys Phe Leu Phe Lys Thr Lys Phe His Gln Tyr
1 5 10 15

Ala Met Asn Gly Glu Lys Asp Ile Asn Asn Asn Val Glu Lys Ala Pro
            20 25 30

Cys Ala Thr Ser Ser Pro Val Thr Gln Asp Asp Leu Gln Tyr His Asn
        35 40 45

Leu Ser Lys Gln Gln Asn Glu Ser Pro Gln Pro Leu Val Glu Thr Gly
    50 55 60

Lys Lys Ser Pro Glu Ser Leu Val Lys Leu Asp Ala Thr Pro Leu Ser
65 70 75 80

Ser Pro Arg His Val Arg Ile Lys Asn Trp Gly Ser Gly Met Thr Phe
                85 90 95

Gln Asp Thr Leu His His Lys Ala Lys Gly Ile Leu Thr Cys Arg Ser
            100 105 110

Lys Ser Cys Leu Gly Ser Ile Met Thr Pro Lys Ser Leu Thr Arg Gly
        115 120 125

Pro Arg Asp Lys Pro Thr Pro Pro Asp Glu Leu Leu Pro Gln Ala Ile
    130 135 140

Glu Phe Val Asn Gln Tyr Tyr Gly Ser Phe Lys Glu Ala Lys Ile Glu

```
145                 150                 155                 160

Glu His Leu Ala Arg Val Glu Ala Val Thr Lys Glu Ile Glu Thr Thr
                165                 170                 175

Gly Thr Tyr Gln Leu Thr Gly Asp Glu Leu Ile Phe Ala Thr Lys Gln
            180                 185                 190

Ala Trp Arg Asn Ala Pro Arg Cys Ile Gly Arg Ile Gln Trp Ser Asn
        195                 200                 205

Leu Gln Val Phe Asp Ala Arg Ser Cys Ser Thr Ala Arg Glu
    210                 215                 220



<210>  1848
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1848
Met Gly Pro Gly Arg Pro Ala Pro Ala Pro Trp Pro Arg His Leu Leu
1               5                   10                  15

Arg Cys Val Leu Leu Leu Gly Cys Leu His Leu Gly Arg Pro Gly Ala
            20                  25                  30

Pro Gly Asp Ala Ala Leu Pro Glu Pro Asn Val Phe Leu Ile Phe Ser
        35                  40                  45

His Gly Leu Gln Gly Cys Leu Glu Ala Gln Gly Gly Gln Val Arg Val
    50                  55                  60

Thr Pro Ala Cys Asn Thr Ser Leu Pro Ala Gln Arg Trp Lys Trp Val
65                  70                  75                  80

Ser Arg Asn Arg Leu Phe Asn Leu Gly Thr Met Gln Cys Leu Gly Thr
                85                  90                  95

Gly Trp Pro Gly Thr Asn Thr Thr Ala Ser Leu Gly Met Tyr Glu Cys
            100                 105                 110

Asp Arg Glu Ala Leu Asn Leu Arg Trp His Cys Arg Thr Leu Gly Asp
        115                 120                 125

Gln Leu Ser Leu Leu Leu Gly Ala Arg Thr Ser Asn Ile Ser Lys Pro
    130                 135                 140

Gly Thr Leu Glu Arg Gly Asp Gln Thr Arg Ser Gly Gln Trp Arg Ile
```

145 150 155 160

Tyr Gly Ser Glu Glu Asp Leu Cys Ala Leu Pro Tyr His Glu Val Tyr
165 170 175

Thr Ile Gln Gly Asn Ser His Gly Lys Pro Cys Thr Ile Pro Phe Lys
180 185 190

Tyr Asp Asn Gln Trp Phe His Gly Cys Thr Ser Thr Gly Arg Glu Asp
195 200 205

Gly His Leu Trp Cys Ala Thr Thr Gln Asp Tyr Gly Lys Asp Glu Arg
210 215 220

Trp Gly Phe Cys Pro Ile Lys Ser Asn Asp Cys Glu Thr Phe Trp Asp
225 230 235 240

Lys Asp Gln Leu Thr Asp Ser Cys Tyr Gln Phe Asn Phe Gln Ser
245 250 255

<210> 1849
<211> 110
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1849
Met Asn Ala Ser Ser Glu Gly Glu Ser Phe Ala Gly Ser Val Gln Ile
1 5 10 15

Pro Gly Gly Thr Thr Val Leu Val Glu Leu Thr Pro Asp Ile His Ile
20 25 30

Cys Gly Ile Cys Lys Gln Gln Phe Asn Asn Leu Asp Ala Phe Val Ala
35 40 45

His Lys Gln Ser Gly Cys Gln Leu Thr Gly Thr Ser Ala Ala Ala Pro
50 55 60

Ser Thr Val Gln Phe Val Ser Glu Glu Thr Val Pro Ala Thr Gln Thr
65 70 75 80

Gln Thr Thr Thr Arg Thr Ile Thr Ser Glu Thr Gln Thr Ile Thr Val
85 90 95

Ser Ala Pro Glu Phe Val Phe Glu His Gly Tyr Gln Thr Tyr
100 105 110

<210> 1850
<211> 134
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1850
Met Glu Asp Asp Ala Pro Val Ile Tyr Gly Leu Glu Phe Gln Ala Arg
1   5   10   15

Ala Leu Thr Pro Gln Thr Ala Glu Thr Asp Ala Ile Arg Phe Leu Val
            20   25   30

Gly Thr Gln Ser Leu Lys Tyr Asp Asn Gln Ile His Ile Ile Asp Phe
        35   40   45

Asp Asp Glu Asn Asn Ile Ile Asn Lys Asn Val Leu Leu His Gln Ala
    50   55   60

Gly Glu Ile Trp His Ile Ser Ala Ser Pro Ala Asp Arg Gly Val Leu
65   70   75   80

Thr Thr Cys Tyr Asn Arg Arg Asp Ile Ile Glu Ser Phe Gly Ile Leu
                85   90   95

Pro Val Ala Gln Ser Pro Thr Ile Val Phe Val Asn Thr Leu His Gln
            100   105   110

Val Phe Phe Arg Gly Gln Val Ala Ala Ser Asp Ser Lys Val Leu Thr
        115   120   125

Cys Ala Ala Val Trp Arg
    130

<210> 1851
<211> 65
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1851
Met Leu Glu Ala Ile Leu Gly Gly Gly Gly Leu Pro Val Glu Gly Arg
1   5   10   15

Gly Ser Thr Glu Phe Glu Ala Phe Arg Leu Ile Leu Phe Gly Ser Glu

```
            20                  25                  30

Asp Ser Val Leu Pro Ser Pro Leu Leu Tyr Lys Met Ala His Met Gly
        35                  40                  45

Ser Asp Gly Gly Val Leu Pro Val His Tyr Ala Thr Ile Leu Phe Ser
    50                  55                  60

Leu
65
```

<210> 1852
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1852

```
Met Ala Ala Ala Ala Arg Pro Arg Gly Arg Ala Leu Gly Pro Val Leu
1               5                   10                  15

Pro Pro Thr Pro Leu Leu Leu Leu Val Leu Arg Val Leu Pro Ala Cys
            20                  25                  30

Gly Ala Thr Ala Arg Asp Pro Gly Ala Ala Ala Gly Leu Ser Leu His
        35                  40                  45

Pro Thr Tyr Phe Asn Leu Ala Glu Ala Ala Arg Ile Trp Ala Thr Ala
    50                  55                  60

Thr Cys Gly Glu Arg Gly Pro Gly Glu Gly Arg Pro Gln Pro Glu Leu
65                  70                  75                  80

Tyr Cys Lys Leu Val Gly Gly Pro Thr Ala Pro Gly Ser Gly His Thr
                85                  90                  95

Ile Gln Gly Gln Phe Cys Asp Tyr Cys Asn Ser Glu Asp Pro Arg Lys
            100                 105                 110

Ala His Pro Val Thr Asn Ala Ile Asp Gly Ser Glu Arg Trp Trp Gln
        115                 120                 125

Ser Pro Pro Leu Ser Ser Gly Thr Gln Tyr Asn Arg Val Asn Leu Thr
    130                 135                 140

Leu Asp Leu Gly Gln Leu Phe His Val Ala Tyr Ile Leu Ile Lys Phe
145                 150                 155                 160

Ala Asn Ser Pro Arg Pro Asp Leu Trp Val Leu Glu Arg Ser Val Asp
```

```
                165                 170                 175

Phe Gly Ser Thr Tyr Ser Pro Trp Gln Tyr Phe Ala His Ser Lys Val
            180                 185                 190

Asp Cys Leu Lys Glu Phe Gly Arg Glu Ala Asn Met Ala Val Thr Arg
        195                 200                 205

Asp Asp Asp Val Leu Cys Val Thr Glu Tyr Ser Arg Ile Val Pro Leu
    210                 215                 220

Glu Asn Gly Glu Val Val Val Ser Leu Ile Asn Gly Arg Pro Gly Ala
225                 230                 235                 240

Lys Asn Phe Thr Phe Ser His Thr Leu Arg Glu Phe Thr Lys Ala
                245                 250                 255



<210>  1853
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1853
Met Pro Ser Val Ser Lys Ala Ala Ala Ala Ala Leu Ser Gly Ser Pro
1               5                   10                  15

Pro Gln Thr Glu Lys Pro Thr His Tyr Arg Tyr Leu Lys Glu Phe Arg
            20                  25                  30

Thr Glu Gln Cys Pro Leu Phe Ser Gln His Lys Cys Ala Gln His Arg
        35                  40                  45

Pro Phe Thr Cys Phe His Trp His Phe Leu Asn Gln Arg Arg Arg Arg
    50                  55                  60

Pro Leu Arg Arg Arg Asp Gly Thr Phe Asn Tyr Ser Pro Asp Val Tyr
65                  70                  75                  80

Cys Ser Lys Tyr Asn Glu Ala Thr Gly Val Cys Pro Asp Gly Asp Glu
                85                  90                  95

Cys Pro Tyr Leu His Arg Thr Thr Gly Asp Thr Glu Arg Lys Tyr His
            100                 105                 110

Leu Arg Tyr Tyr Lys Thr Gly Thr Cys Ile His Glu Thr Asp Ala Arg
        115                 120                 125

Gly His Cys Val Lys Asn Gly Leu His Cys Ala Phe Ala His Gly Pro
```

```
    130                 135                 140

Leu Asp Leu Arg Pro Pro Val Cys Asp Val Arg Glu Leu Gln Ala Gln
145                 150                 155                 160

Glu Ala Leu Gln Asn Gly Gln Leu Gly Gly Gly Glu Gly Val Pro Asp
                165                 170                 175

Leu Gln Pro Gly Val Leu Ala Ser Gln Ala Met Ile Glu Lys Ile Leu
            180                 185                 190

Ser Glu Asp Pro Arg Trp Gln Asp Ala Asn Phe Val Leu Gly Ser Tyr
        195                 200                 205

Lys Thr Glu Gln Cys Pro Lys Pro Pro Arg Leu Cys Arg Gln Gly Tyr
    210                 215                 220

Ala Cys Pro His Tyr His Asn Ser Arg Asp Arg Arg Arg Asn Pro Arg
225                 230                 235                 240

Arg Phe Gln Tyr Arg Ser Thr Pro Cys Pro Ser Val Lys His Gly
                245                 250                 255



<210>  1854
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1854
Met Ala Arg Ala Gln Ala Leu Val Leu Ala Leu Thr Phe Gln Leu Cys
1               5                   10                  15

Ala Pro Glu Thr Glu Thr Pro Ala Ala Gly Cys Thr Phe Glu Glu Ala
            20                  25                  30

Ser Asp Pro Ala Val Pro Cys Glu Tyr Ser Gln Ala Gln Tyr Asp Asp
        35                  40                  45

Phe Gln Trp Glu Gln Val Arg Ile His Pro Gly Thr Arg Ala Pro Ala
    50                  55                  60

Asp Leu Pro His Gly Ser Tyr Leu Met Val Asn Thr Ser Gln His Ala
65                  70                  75                  80

Pro Gly Gln Arg Ala His Val Ile Phe Gln Ser Leu Ser Glu Asn Asp
                85                  90                  95

Thr His Cys Val Gln Phe Ser Tyr Phe Leu Tyr Ser Arg Asp Gly His
```

```
            100                 105                 110

Ser Pro Gly Thr Leu Gly Val Tyr Val Arg Val Asn Gly Gly Pro Leu
        115                 120                 125

Gly Ser Ala Val Trp Asn Met Thr Gly Ser His Gly Arg Gln Trp His
    130                 135                 140

Gln Ala Glu Leu Ala Val Ser Thr Phe Trp Pro Asn Glu Tyr Gln Val
145                 150                 155                 160

Leu Phe Glu Ala Leu Ile Ser Pro Asp Arg Arg Gly Tyr Met Gly Leu
                165                 170                 175

Asp Asp Ile Leu Leu Leu Ser Tyr Pro Cys Ala Lys Ala Pro His Phe
            180                 185                 190

Ser Arg Leu Gly Asp Val Glu Val Asn Ala Gly Gln Asn Ala Ser Phe
        195                 200                 205

Gln Cys Met Ala Ala Gly Arg Ala Ala Glu Ala Glu Arg Phe Leu Leu
    210                 215                 220

Gln Arg Gln Ser Gly Ala Leu Val Pro Ala Ala Gly Val Arg His Ile
225                 230                 235                 240

Ser His Arg Arg Phe Leu Ala Thr Phe Pro Leu Ala Ala Val Ser
                245                 250                 255



<210>  1855
<211>  116
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1855
Met Glu Thr Arg Glu Ser Glu Asp Leu Glu Lys Thr Arg Arg Lys Ser
1               5                   10                  15

Ala Ser Asp Gln Trp Asn Thr Asp Asn Glu Pro Ala Lys Val Lys Pro
            20                  25                  30

Glu Leu Leu Pro Glu Lys Glu Glu Thr Ser Gln Ala Asp Gln Asp Ile
        35                  40                  45

Gln Asp Lys Glu Pro His Cys His Ile Pro Ile Lys Arg Asn Ser Ile
    50                  55                  60

Phe Asn Arg Ser Ile Arg Arg Lys Ser Lys Ala Lys Ala Arg Asp Asn
```

65 70 75 80

Pro Glu Arg Asn Ala Ser Cys Leu Ala Asp Ser Gln Asp Asn Gly Lys
85 90 95

Ser Val Asn Glu Pro Leu Thr Leu Asn Ile Pro Trp Ser Arg Met Pro
100 105 110

Pro Cys Arg Thr
115

<210> 1856
<211> 65
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1856
Met Thr Thr Ser Gly His Ala Cys Pro Val Pro Ala Val Asn Gly His
1 5 10 15

Met Thr His Tyr Pro Ala Thr Pro Tyr Pro Leu Leu Phe Pro Pro Val
20 25 30

Ile Gly Gly Leu Ser Leu Pro Pro Leu His Gly Leu His Gly His Pro
35 40 45

Pro Pro Ser Gly Cys Ser Thr Pro Ser Pro Ala Thr Ile Glu Thr Gln
50 55 60

Ser
65

<210> 1857
<211> 146
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1857
Met Thr Arg Leu Ser Trp Cys Phe Ser Cys Val Ile Arg Trp Gly Lys
1 5 10 15

Tyr Leu Phe Ser Cys Leu Leu Pro Leu Arg Phe Cys Leu Arg Ser Gln

```
            20                  25                  30

Pro Glu Asp Leu Glu Ala Pro Lys Thr His Arg Phe Lys Val Lys Thr
        35                  40                  45

Phe Lys Lys Val Lys Pro Cys Gly Ile Cys Arg Gln Val Ile Thr Gln
    50                  55                  60

Glu Gly Cys Thr Cys Lys Val Cys Ser Phe Ser Cys His Arg Lys Cys
65                  70                  75                  80

Gln Ala Lys Val Ala Ala Pro Cys Val Pro Pro Ser Asn His Glu Leu
                85                  90                  95

Val Pro Ile Thr Thr Glu Asn Ala Pro Lys Asn Val Val Asp Lys Gly
            100                 105                 110

Glu Gly Ala Ser Arg Gly Gly Asn Thr Arg Lys Ser Leu Glu Asp Asn
        115                 120                 125

Gly Ser Thr Arg Val Thr Pro Ser Val Gln Pro His Leu Gln Pro Ile
    130                 135                 140

Arg Asn
145



<210>  1858
<211>  145
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1858
Met Lys Asn Tyr Lys Ala Ile Gly Lys Ile Gly Glu Gly Thr Phe Ser
1               5                   10                  15

Glu Val Met Lys Met Gln Ser Leu Arg Asp Gly Asn Tyr Tyr Ala Cys
            20                  25                  30

Lys Gln Met Lys Gln Arg Phe Glu Ser Ile Glu Gln Val Asn Asn Leu
        35                  40                  45

Arg Glu Ile Gln Ala Leu Arg Arg Leu Asn Pro His Pro Asn Ile Leu
    50                  55                  60

Met Leu His Glu Val Val Phe Asp Arg Lys Ser Gly Ser Leu Ala Leu
65                  70                  75                  80

Ile Cys Glu Leu Met Asp Met Asn Ile Tyr Glu Leu Ile Arg Gly Arg
```

```
               85                  90                  95

Arg Tyr Pro Leu Ser Glu Lys Lys Ile Met His Tyr Met Tyr Gln Leu
            100                 105                 110

Cys Lys Ser Leu Asp His Ile His Arg Asn Gly Ile Phe His Arg Asp
        115                 120                 125

Val Lys Pro Glu Asn Ile Leu Ile Lys Gln Asp Val Leu Lys Leu Gly
    130                 135                 140

Asp
145



<210>  1859
<211>  32
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1859
Met Ala Arg Pro Gly Leu Ile His Ser Ala Pro Gly Leu Pro Asp Thr
1               5                   10                  15

Cys Ala Leu Leu Gln Pro Pro Ala Ala Ser Ala Ala Ala Ala Pro Ser
            20                  25                  30



<210>  1860
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1860
Met Pro Thr Trp Gly Ala Arg Pro Ala Ser Pro Asp Arg Phe Ala Val
1               5                   10                  15

Ser Ala Glu Ala Glu Asn Lys Val Arg Glu Gln Gln Pro His Val Glu
            20                  25                  30

Arg Ile Phe Ser Val Gly Val Ser Val Leu Pro Lys Asp Cys Pro Asp
        35                  40                  45

Asn Pro His Ile Trp Leu Gln Leu Glu Gly Pro Lys Glu Asn Ala Ser
```

```
    50                  55                  60

Arg Ala Lys Glu Tyr Leu Lys Gly Leu Cys Ser Pro Glu Leu Gln Asp
65                  70                  75                  80

Glu Ile His Tyr Pro Pro Lys Leu His Cys Ile Phe Leu Gly Ala Gln
                85                  90                  95

Gly Phe Phe Leu Asp Cys Leu Ala Trp Ser Thr Ser Ala His Leu Val
            100                 105                 110

Pro Arg Ala Pro Gly Ser Leu Met Ile Ser Gly Leu Thr Glu Ala Phe
        115                 120                 125

Val Met Ala Gln Ser Arg Val Glu Glu Leu Ala Glu Arg Leu Ser Trp
    130                 135                 140

Asp Phe Thr Pro Gly Pro Ser Ser Gly Ala Ser Gln Cys Thr Gly Val
145                 150                 155                 160

Leu Arg Asp Phe Ser Ala Leu Leu Gln Ser Pro Gly Asp Ala His Arg
                165                 170                 175

Glu Ala Leu Leu Gln Leu Pro Leu Ala Val Gln Glu Glu Leu Leu Ser
            180                 185                 190

Leu Val Gln Glu Ala Ser Ser Gly Gln Gly Pro Gly Ala Leu Ala Ser
        195                 200                 205

Trp Glu Gly Arg Ser Ser Ala Leu Leu Gly Ala Gln Cys Gln Gly Val
    210                 215                 220

Arg Ala Pro Pro Ser Asp Gly Arg Glu Ser Leu Asp Thr Gly Ser Met
225                 230                 235                 240

Gly Pro Gly Asp Cys Arg Gly Ala Arg Gly Asp Thr Tyr Ala Val
                245                 250                 255



<210>  1861
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1861
Met Val Leu Tyr Thr Thr Pro Phe Pro Asn Ser Cys Leu Ser Ala Leu
1               5                   10                  15

His Cys Val Ser Trp Ala Leu Ile Phe Pro Cys Tyr Trp Leu Val Asp
```

```
            20                  25                  30

Arg Leu Ala Ala Ser Phe Ile Pro Thr Thr Tyr Glu Lys Arg Gln Arg
        35                  40                  45

Ala Asp Asp Pro Cys Cys Leu Gln Leu Leu Cys Thr Ala Leu Phe Thr
    50                  55                  60

Pro Ile Tyr Leu Ala Leu Leu Val Ala Ser Leu Pro Phe Ala Phe Leu
65                  70                  75                  80

Gly Phe Leu Phe Trp Ser Pro Leu Gln Ser Ala Arg Arg Pro Tyr Ile
                85                  90                  95

Tyr Ser Arg Leu Glu Asp Lys Gly Leu Ala Gly Gly Ala Ala Leu Leu
            100                 105                 110

Ser Glu Trp Lys Gly Thr Gly Pro Gly Lys Ser Phe Cys Phe Ala Thr
        115                 120                 125

Ala Asn Val Cys Leu Leu Pro Asp Ser Leu Ala Arg Val Asn Asn Leu
    130                 135                 140

Phe Asn Thr Gln Ala Arg Ala Lys Glu Ile Gly Gln Arg Ile Arg Asn
145                 150                 155                 160

Gly Ala Ala Arg Pro Gln Ile Lys Ile Tyr Ile Asp Ser Pro Thr Asn
                165                 170                 175

Thr Ser Ile Ser Ala Ala Ser Phe Ser Ser Leu Val Ser Pro Gln Gly
            180                 185                 190

Gly Asp Gly Val Ala Arg Ala Val Pro Gly Ser Ile Lys Arg Thr Ala
        195                 200                 205

Ser Val Glu Tyr Lys Gly Asp Gly Gly Arg His Pro Gly Asp Glu Ala
    210                 215                 220

Ala Asn Gly Pro Ala Ser Gly Asp Pro Val Asp Ser Ser Ser Pro Glu
225                 230                 235                 240

Asp Ala Cys Ile Val Arg Ile Gly Gly Glu Glu Gly Gly Arg Pro
                245                 250                 255
```

<210> 1862
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1862
Met Leu Gly Ala Gly Leu Ile Lys Ile Arg Gly Asp Arg Cys Trp Arg
1 5 10 15

Asp Leu Thr Cys Met Asp Phe His Tyr Glu Thr Gln Pro Met Pro Asn
20 25 30

Pro Val Ala Tyr Tyr Leu His His Ser Pro Trp Trp Phe His Arg Phe
35 40 45

Glu Thr Leu Ser Asn His Phe Ile Glu Leu Leu Val Pro Phe Phe Leu
50 55 60

Phe Leu Gly Arg Arg Ala Cys Ile Ile His Gly Val Leu Gln Ile Leu
65 70 75 80

Phe Gln Ala Val Leu Ile Val Ser Gly Asn Leu Ser Phe Leu Asn Trp
85 90 95

Leu Thr Met Val Pro Ser Leu Ala Cys Phe Asp Asp Ala Thr Leu Gly
100 105 110

Phe Leu Phe Pro Ser Gly Pro Gly Ser Leu Lys Asp Arg Val Leu Gln
115 120 125

Met Gln Arg Asp Ile Arg Gly Ala Arg Pro Glu Pro Arg Phe Gly Ser
130 135 140

Val Val Arg Arg Ala Ala Asn Val Ser Leu Gly Val Leu Leu Ala Trp
145 150 155 160

Leu Ser Val Pro Val Val Leu Asn Leu Leu Ser Ser Arg Gln Val Met
165 170 175

Asn Thr His Phe Asn Ser Leu His Ile Val Asn Thr Tyr Gly Ala Phe
180 185 190

Gly Ser Ile Thr Lys Glu Arg Ala Glu Val Ile Leu Gln Gly Thr Ala
195 200 205

Ser Ser Asn Ala Ser Ala Pro Asp Ala Met Trp Glu Asp Tyr Glu Phe
210 215 220

Lys Cys Lys Pro Gly Asp Pro Ser Arg Arg Pro Cys Leu Ile Ser Pro
225 230 235 240

Tyr His Tyr Arg Leu Asp Trp Leu Met Trp Phe Ala Ala Phe Gln
245 250 255

<210> 1863
<211> 255

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1863
Met Glu Gly Ser Arg Pro Arg Ser Ser Leu Ser Leu Ala Ser Ser Ala
1   5   10   15

Ser Thr Ile Ser Ser Leu Ser Ser Leu Ser Pro Lys Lys Pro Thr Arg
            20   25   30

Ala Val Asn Lys Ile His Ala Phe Gly Lys Arg Gly Asn Ala Leu Arg
        35   40   45

Arg Asp Pro Asn Leu Pro Val His Ile Arg Gly Trp Leu His Lys Gln
    50   55   60

Asp Ser Ser Gly Leu Arg Leu Trp Lys Arg Arg Trp Phe Val Leu Ser
65   70   75   80

Gly His Cys Leu Phe Tyr Tyr Lys Asp Ser Arg Glu Glu Ser Val Leu
                85   90   95

Gly Ser Val Leu Leu Pro Ser Tyr Asn Ile Arg Pro Asp Gly Pro Gly
            100   105   110

Ala Pro Arg Gly Arg Arg Phe Thr Phe Thr Ala Glu His Pro Gly Met
        115   120   125

Arg Thr Tyr Val Leu Ala Ala Asp Thr Leu Glu Asp Leu Arg Gly Trp
    130   135   140

Leu Arg Ala Leu Gly Arg Ala Ser Arg Ala Glu Gly Asp Asp Tyr Gly
145   150   155   160

Gln Pro Arg Ser Pro Ala Arg Pro Gln Pro Gly Glu Gly Pro Gly Gly
                165   170   175

Pro Gly Gly Pro Pro Glu Val Ser Arg Gly Glu Glu Gly Arg Ile Ser
            180   185   190

Glu Ser Pro Glu Val Thr Arg Leu Ser Arg Gly Arg Gly Arg Pro Arg
        195   200   205

Leu Leu Thr Pro Ser Pro Thr Thr Asp Leu His Ser Gly Leu Gln Met
    210   215   220

Arg Arg Ala Arg Ser Pro Asp Leu Phe Thr Pro Leu Ser Arg Pro Pro
225   230   235   240

Ser Pro Leu Ser Leu Pro Arg Pro Arg Ser Ala Pro Ala Arg Arg

245 250 255

<210> 1864
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1864
Met Ala Pro Pro Ser Glu Glu Thr Pro Leu Ile Pro Gln Arg Ser Cys
1 5 10 15

Ser Leu Leu Ser Thr Glu Ala Gly Ala Leu His Val Leu Leu Pro Ala
20 25 30

Arg Gly Pro Gly Pro Pro Gln Arg Leu Ser Phe Ser Phe Gly Asp His
35 40 45

Leu Ala Glu Asp Leu Cys Val Gln Ala Ala Lys Ala Ser Gly Ile Leu
50 55 60

Pro Val Tyr His Ser Leu Phe Ala Leu Ala Thr Glu Asp Leu Ser Cys
65 70 75 80

Trp Phe Pro Pro Ser His Ile Phe Ser Val Glu Asp Ala Ser Thr Gln
85 90 95

Val Leu Leu Tyr Arg Ile Arg Phe Tyr Phe Pro Asn Trp Phe Gly Leu
100 105 110

Glu Lys Cys His Arg Phe Gly Leu Arg Lys Asp Leu Ala Ser Ala Ile
115 120 125

Leu Asp Leu Pro Val Leu Glu His Leu Phe Ala Gln His Arg Ser Asp
130 135 140

Leu Val Ser Gly Arg Leu Pro Val Gly Leu Ser Leu Lys Glu Gln Gly
145 150 155 160

Glu Cys Leu Ser Leu Ala Val Leu Asp Leu Ala Arg Met Ala Arg Glu
165 170 175

Gln Ala Gln Arg Pro Gly Glu Leu Leu Lys Thr Val Ser Tyr Lys Ala
180 185 190

Cys Leu Pro Pro Ser Leu Arg Asp Leu Ile Gln Gly Leu Ser Phe Val
195 200 205

Thr Arg Arg Arg Ile Arg Arg Thr Val Arg Arg Ala Leu Arg Arg Val

```
    210                 215                 220

Ala Ala Cys Gln Ala Asp Arg His Ser Leu Met Ala Lys Tyr Ile Met
225                 230                 235                 240

Asp Leu Glu Arg Leu Asp Pro Ala Gly Ala Ala Glu Thr Phe His
                245                 250                 255



<210>  1865
<211>  82
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1865
Met Gln Ala Pro Val Pro His Ser Gln Arg Arg Glu Ser Phe Leu Tyr
1               5                   10                  15

Arg Ser Asp Ser Asp Tyr Glu Leu Ser Pro Lys Ala Met Ser Arg Asn
            20                  25                  30

Ser Ser Val Ala Ser Asp Leu His Gly Glu Asp Met Ile Val Thr Pro
        35                  40                  45

Phe Ala Gln Val Leu Ala Ser Leu Arg Thr Val Arg Ser Asn Val Ala
    50                  55                  60

Ala Leu Ala Arg Gln Gln Cys Leu Gly Ala Ala Lys Gln Gly Pro Val
65                  70                  75                  80

Gly Asn



<210>  1866
<211>  98
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1866
Met Ala Lys Glu Arg Arg Arg Ala Val Leu Glu Leu Leu Gln Arg Pro
1               5                   10                  15

Gly Asn Ala Arg Cys Ala Asp Cys Gly Ala Pro Asp Pro Asp Trp Ala
```

```
            20                  25                  30

Ser Tyr Thr Leu Gly Val Phe Ile Cys Leu Ser Cys Ser Gly Ile His
        35                  40                  45

Arg Asn Ile Pro Gln Val Ser Lys Val Lys Ser Val Arg Leu Asp Ala
    50                  55                  60

Trp Glu Glu Ala Gln Val Glu Phe Met Ala Ser His Gly Asn Asp Ala
65                  70                  75                  80

Ala Arg Ala Arg Phe Glu Ser Lys Val Pro Ser Phe Tyr Tyr Arg Pro
                85                  90                  95

Thr Pro
```

<210> 1867
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1867

```
Met Lys Ala Pro Ala Val Leu Ala Pro Gly Ile Leu Val Leu Leu Phe
1               5                   10                  15

Thr Leu Val Gln Arg Ser Asn Gly Glu Cys Lys Glu Ala Leu Ala Lys
            20                  25                  30

Ser Glu Met Asn Val Asn Met Lys Tyr Gln Leu Pro Asn Phe Thr Ala
        35                  40                  45

Glu Thr Pro Ile Gln Asn Val Ile Leu His Glu His His Ile Phe Leu
    50                  55                  60

Gly Ala Thr Asn Tyr Ile Tyr Val Leu Asn Glu Glu Asp Leu Gln Lys
65                  70                  75                  80

Val Ala Glu Tyr Lys Thr Gly Pro Val Leu Glu His Pro Asp Cys Phe
                85                  90                  95

Pro Cys Gln Asp Cys Ser Ser Lys Ala Asn Leu Ser Gly Gly Val Trp
            100                 105                 110

Lys Asp Asn Ile Asn Met Ala Leu Val Val Asp Thr Tyr Tyr Asp Asp
        115                 120                 125

Gln Leu Ile Ser Cys Gly Ser Val Asn Arg Gly Thr Cys Gln Arg His
```

```
    130                 135                 140

Val Phe Pro His Asn His Thr Ala Asp Ile Gln Ser Glu Val His Cys
145                 150                 155                 160

Ile Phe Ser Pro Gln Ile Glu Glu Pro Ser Gln Cys Pro Asp Cys Val
                165                 170                 175

Val Ser Ala Leu Gly Ala Lys Val Leu Ser Ser Val Lys Asp Arg Phe
            180                 185                 190

Ile Asn Phe Phe Val Gly Asn Thr Ile Asn Ser Ser Tyr Phe Pro Asp
        195                 200                 205

His Pro Leu His Ser Ile Ser Val Arg Arg Leu Lys Glu Thr Lys Asp
    210                 215                 220

Gly Phe Met Phe Leu Thr Asp Gln Ser Tyr Ile Asp Val Leu Pro Glu
225                 230                 235                 240

Phe Arg Asp Ser Tyr Pro Ile Lys Tyr Val His Ala Phe Glu Ser
                245                 250                 255
```

<210> 1868
<211> 37
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1868

```
Met Ala Thr His His Thr Leu Trp Met Gly Leu Ala Leu Leu Gly Val
1               5                   10                  15

Leu Gly Asp Leu Gln Ala Ala Pro Glu Ala Gln Val Ser Val Gln Pro
            20                  25                  30

Asn Phe Gln Gln Asp
        35
```

<210> 1869
<211> 28
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1869
Met Asp Gln His Gln His Leu Asn Lys Thr Ala Glu Ser Ala Ser Ser
1   5   10   15

Glu Lys Lys Lys Thr Arg Arg Cys Asn Gly Phe Lys
            20   25

<210> 1870
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1870
Met Trp Gly Arg Phe Leu Ala Pro Glu Ala Ser Gly Arg Asp Ser Pro
1   5   10   15

Gly Gly Ala Arg Ser Phe Pro Ala Gly Pro Asp Tyr Ser Ser Ala Trp
            20   25   30

Leu Pro Ala Asn Glu Ser Leu Trp Gln Ala Thr Thr Val Pro Ser Asn
        35   40   45

His Arg Asn Asn His Ile Arg Arg His Ser Ile Ala Ser Asp Ser Gly
    50   55   60

Asp Thr Gly Ile Gly Thr Ser Cys Ser Asp Ser Val Glu Asp His Ser
65   70   75   80

Thr Ser Ser Gly Thr Leu Ser Phe Lys Pro Ser Gln Ser Leu Ile Thr
                85   90   95

Leu Pro Thr Ala His Val Met Pro Ser Asn Ser Ser Ala Ser Ile Ser
            100   105   110

Lys Leu Arg Glu Ser Leu Thr Pro Asp Gly Ser Lys Trp Ser Thr Ser
        115   120   125

Leu Met Gln Thr Leu Gly Asn His Ser Arg Gly Glu Gln Asp Ser Ser
    130   135   140

Leu Asp Met Lys Asp Phe Arg Pro Leu Arg Lys Trp Ser Ser Leu Ser
145   150   155   160

Lys Leu Thr Ala Pro Asp Asn Cys Gly Gln Gly Gly Thr Val Cys Arg
                165   170   175

Glu Glu Ser Arg Asn Gly Leu Glu Lys Ile Gly Lys Ala Lys Ala Leu

```
            180                 185                 190

Thr Ser Gln Leu Arg Thr Ile Gly Pro Ser Cys Leu His Asp Ser Met
        195                 200                 205

Glu Met Leu Arg Leu Glu Asp Lys Glu Ile Asn Lys Lys Arg Ser Ser
    210                 215                 220

Thr Leu Asp Cys Lys Tyr Lys Phe Glu Ser Cys Ser Lys Glu Asp Phe
225                 230                 235                 240

Arg Ala Ser Ser Ser Thr Leu Arg Arg Gln Pro Val Asp Met Thr
                245                 250                 255



<210>  1871
<211>  237
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1871
 Glu Lys Thr Cys Ser Ser Leu Glu Arg Glu Pro His Phe Ser Leu
1               5                   10                  15

Leu Thr Met Arg Gly Gln Arg Leu Pro Leu Asp Ile Gln Ile Phe Tyr
            20                  25                  30

Cys Ala Arg Pro Asp Glu Glu Pro Phe Val Lys Ile Ile Thr Val Glu
        35                  40                  45

Glu Ala Lys Arg Arg Lys Ser Thr Cys Ser Tyr Tyr Glu Asp Glu Asp
    50                  55                  60

Glu Glu Val Leu Pro Val Leu Arg Pro His Ser Ala Leu Leu Glu Asn
65                  70                  75                  80

Met His Ile Glu Gln Leu Ala Arg Arg Leu Pro Ala Arg Val Gln Gly
                85                  90                  95

Tyr Pro Trp Arg Leu Ala Tyr Ser Thr Leu Glu His Gly Thr Ser Leu
            100                 105                 110

Lys Thr Leu Tyr Arg Lys Ser Ala Ser Leu Asp Ser Pro Val Leu Leu
        115                 120                 125

Val Ile Lys Asp Met Asp Asn Gln Ile Phe Gly Ala Tyr Ala Thr His
    130                 135                 140

Pro Phe Lys Phe Ser Asp His Tyr Tyr Gly Thr Gly Glu Thr Phe Leu
```

145 150 155 160

Tyr Thr Phe Ser Pro His Phe Lys Val Phe Lys Trp Ser Gly Glu Asn
165 170 175

Ser Tyr Phe Ile Asn Gly Asp Ile Ser Ser Leu Glu Leu Gly Gly Gly
180 185 190

Gly Gly Arg Phe Gly Leu Trp Leu Asp Ala Asp Leu Tyr His Gly Arg
195 200 205

Ser Asn Ser Cys Ser Thr Phe Asn Asn Asp Ile Leu Ser Lys Lys Glu
210 215 220

Asp Phe Ile Val Gln Asp Leu Glu Val Trp Ala Phe Asp
225 230 235

<210> 1872
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1872
Met Glu Gln Pro Gln Glu Glu Ala Pro Glu Val Arg Glu Glu Glu Glu
1 5 10 15

Lys Glu Glu Val Ala Glu Ala Glu Gly Ala Pro Glu Leu Asn Gly Gly
20 25 30

Pro Gln His Ala Leu Pro Ser Ser Ser Tyr Thr Asp Leu Ser Arg Ser
35 40 45

Ser Ser Pro Pro Ser Leu Leu Asp Gln Leu Gln Met Gly Cys Asp Gly
50 55 60

Ala Ser Cys Gly Ser Leu Asn Met Glu Cys Arg Val Cys Gly Asp Lys
65 70 75 80

Ala Ser Gly Phe His Tyr Gly Val His Ala Cys Glu Gly Cys Lys Gly
85 90 95

Phe Phe Arg Arg Thr Ile Arg Met Lys Leu Glu Tyr Glu Lys Cys Glu
100 105 110

Arg Ser Cys Lys Ile Gln Lys Lys Asn Arg Asn Lys Cys Gln Tyr Cys
115 120 125

Arg Phe Gln Lys Cys Leu Ala Leu Gly Met Ser His Asn Ala Ile Arg

```
    130                 135                 140

Phe Gly Arg Met Pro Glu Ala Glu Lys Arg Lys Leu Val Ala Gly Leu
145                 150                 155                 160

Thr Ala Asn Glu Gly Ser Gln Tyr Asn Pro Gln Val Ala Asp Leu Lys
                165                 170                 175

Ala Phe Ser Lys His Ile Tyr Asn Ala Tyr Leu Lys Asn Phe Asn Met
            180                 185                 190

Thr Lys Lys Lys Ala Arg Ser Ile Leu Thr Gly Lys Ala Ser His Thr
        195                 200                 205

Ala Pro Phe Val Ile His Asp Ile Glu Thr Leu Trp Gln Ala Glu Lys
    210                 215                 220

Gly Leu Val Trp Lys Gln Leu Val Asn Gly Leu Pro Pro Tyr Lys Glu
225                 230                 235                 240

Ile Ser Val His Val Phe Tyr Arg Cys Gln Cys Thr Thr Val Glu
                245                 250                 255



<210>  1873
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1873
Met Met Asp Ile Tyr Val Cys Leu Lys Arg Pro Ser Trp Met Val Asp
1               5                   10                  15

Asn Lys Arg Met Arg Thr Ala Ser Asn Phe Gln Trp Leu Leu Ser Thr
            20                  25                  30

Phe Ile Leu Leu Tyr Leu Met Asn Gln Val Asn Ser Gln Lys Lys Gly
        35                  40                  45

Ala Pro His Asp Leu Lys Cys Val Thr Asn Asn Leu Gln Val Trp Asn
    50                  55                  60

Cys Ser Trp Lys Ala Pro Ser Gly Thr Gly Arg Gly Thr Asp Tyr Glu
65                  70                  75                  80

Val Cys Ile Glu Asn Arg Ser Arg Ser Cys Tyr Gln Leu Glu Lys Thr
                85                  90                  95

Ser Ile Lys Ile Pro Ala Leu Ser His Gly Asp Tyr Glu Ile Thr Ile
```

```
            100                 105                 110

Asn Ser Leu His Asp Phe Gly Ser Ser Thr Ser Lys Phe Thr Leu Asn
        115                 120                 125

Glu Gln Asn Val Ser Leu Ile Pro Asp Thr Pro Glu Ile Leu Asn Leu
    130                 135                 140

Ser Ala Asp Phe Ser Thr Ser Thr Leu Tyr Leu Lys Trp Asn Asp Arg
145                 150                 155                 160

Gly Ser Val Phe Pro His Arg Ser Asn Val Ile Trp Glu Ile Lys Val
                165                 170                 175

Leu Arg Lys Glu Ser Met Glu Leu Val Lys Leu Val Thr His Asn Thr
            180                 185                 190

Thr Leu Asn Gly Lys Asp Thr Leu His His Trp Ser Trp Ala Ser Asp
        195                 200                 205

Met Pro Leu Glu Cys Ala Ile His Phe Val Glu Ile Arg Cys Tyr Ile
    210                 215                 220

Asp Asn Leu His Phe Ser Gly Leu Glu Glu Trp Ser Asp Trp Ser Pro
225                 230                 235                 240

Val Lys Asn Ile Ser Trp Ile Pro Asp Ser Gln Thr Lys Val Phe
                245                 250                 255



<210>  1874
<211>  245
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1874
Met Ala Ser Val Phe Met Cys Gly Val Glu Asp Leu Leu Phe Ser Gly
1               5                   10                  15

Ser Arg Phe Val Trp Asn Leu Thr Val Ser Thr Leu Arg Arg Trp Tyr
            20                  25                  30

Thr Glu Arg Leu Arg Ala Cys His Gln Val Leu Arg Thr Trp Cys Gly
        35                  40                  45

Leu Gln Asp Val Tyr Gln Met Thr Glu Gly Arg His Cys Gln Val His
    50                  55                  60

Leu Leu Asp Asp Arg Arg Leu Glu Leu Leu Val Gln Pro Lys Leu Leu
```

65 70 75 80

Ala Arg Glu Leu Leu Asp Leu Val Ala Ser His Phe Asn Leu Lys Glu
85 90 95

Lys Glu Tyr Phe Gly Ile Thr Phe Ile Asp Asp Thr Gly Gln Gln Asn
100 105 110

Trp Leu Gln Leu Asp His Arg Val Leu Asp His Asp Leu Pro Lys Lys
115 120 125

Pro Gly Pro Thr Ile Leu His Phe Ala Val Arg Phe Tyr Ile Glu Ser
130 135 140

Ile Ser Phe Leu Lys Asp Lys Thr Thr Val Glu Leu Phe Phe Leu Asn
145 150 155 160

Ala Lys Ala Cys Val His Lys Gly Gln Ile Glu Val Glu Ser Glu Thr
165 170 175

Ile Phe Lys Leu Ala Ala Phe Ile Leu Gln Glu Ala Lys Gly Asp Tyr
180 185 190

Thr Ser Asp Glu Asn Ala Arg Lys Asp Leu Lys Thr Leu Pro Ala Phe
195 200 205

Pro Thr Lys Thr Leu Gln Glu His Pro Ser Leu Ala Tyr Cys Glu Asp
210 215 220

Arg Val Ile Glu His Tyr Leu Lys Ile Lys Gly Leu Thr Arg Gly Gln
225 230 235 240

Ala Val Val Gln Tyr
245

<210> 1875
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1875
Met Lys Lys Phe Phe Asp Ser Arg Arg Glu Gln Gly Gly Ser Gly Leu
1 5 10 15

Gly Ser Gly Ser Ser Gly Gly Gly Gly Ser Thr Ser Gly Leu Gly Ser
20 25 30

Gly Tyr Ile Gly Arg Val Phe Gly Ile Gly Arg Gln Gln Val Thr Val

```
        35                  40                  45

Asp Glu Val Leu Ala Glu Gly Gly Phe Ala Ile Val Phe Leu Val Arg
    50                  55                  60

Thr Ser Asn Gly Met Lys Cys Ala Leu Lys Arg Met Phe Val Asn Asn
65                  70                  75                  80

Glu His Asp Leu Gln Val Cys Lys Arg Glu Ile Gln Ile Met Arg Asp
                85                  90                  95

Leu Ser Gly His Lys Asn Ile Val Gly Tyr Ile Asp Ser Ser Ile Asn
            100                 105                 110

Asn Val Ser Ser Gly Asp Val Trp Glu Val Leu Ile Leu Met Asp Phe
        115                 120                 125

Cys Arg Gly Gly Gln Val Val Asn Leu Met Asn Gln Arg Leu Gln Thr
    130                 135                 140

Gly Phe Thr Glu Asn Glu Val Leu Gln Ile Phe Cys Asp Thr Cys Glu
145                 150                 155                 160

Ala Val Ala Arg Leu His Gln Cys Lys Thr Pro Ile Ile His Arg Asp
                165                 170                 175

Leu Lys Val Glu Asn Ile Leu Leu His Asp Arg Gly His Tyr Val Leu
            180                 185                 190

Cys Asp Phe Gly Ser Ala Thr Asn Lys Phe Gln Asn Pro Gln Thr Glu
        195                 200                 205

Gly Val Asn Ala Val Glu Asp Glu Ile Lys Lys Tyr Thr Thr Leu Ser
    210                 215                 220

Tyr Arg Ala Pro Glu Met Val Asn Leu Tyr Ser Gly Lys Ile Ile Thr
225                 230                 235                 240

Thr Lys Ala Asp Ile Trp Ala Leu Gly Cys Leu Leu Tyr Lys Leu
                245                 250                 255



<210>  1876
<211>  40
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1876
Met Ser Ser Asn Ser Asp Thr Gly Asp Leu Gln Glu Ser Leu Lys His
```

```
1               5                   10                  15

Gly Leu Thr Pro Ile Gly Ala Gly Leu Pro Asp Arg His Gly Ser Pro
            20                  25                  30

Ile Pro Ala Arg Gly Arg Leu Val
        35                  40
```

<210> 1877
<211> 36
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1877

```
Met Asp Ala Gly Lys Leu Ala Arg His Pro Thr Asp Thr Gly Ser Glu
1               5                   10                  15

Arg Ala Val Pro Ala Leu Ala Glu Ile Arg Pro Trp Trp Ala Pro Pro
            20                  25                  30

Leu Arg Pro Gln
        35
```

<210> 1878
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1878

```
Met Lys Ala Ala Tyr Thr Ala Tyr Arg Cys Leu Thr Lys Asp Leu Glu
1               5                   10                  15

Gly Cys Ala Met Asn Pro Glu Leu Thr Met Glu Ser Leu Gly Thr Leu
            20                  25                  30

His Gly Pro Ala Gly Gly Gly Ser Gly Gly Gly Gly Gly Gly Gly Gly
        35                  40                  45

Gly Gly Gly Gly Gly Gly Pro Gly His Glu Gln Glu Leu Leu Ala Ser
    50                  55                  60

Pro Ser Pro His His Ala Gly Arg Gly Ala Ala Gly Ser Leu Arg Gly
```

65 70 75 80

Pro Pro Pro Pro Pro Thr Ala His Gln Glu Leu Gly Thr Ala Ala Ala
85 90 95

Ala Ala Ala Ala Ala Ser Arg Ser Ala Met Val Thr Ser Met Ala Ser
100 105 110

Ile Leu Asp Gly Gly Asp Tyr Arg Pro Glu Leu Ser Ile Pro Leu His
115 120 125

His Ala Met Ser Met Ser Cys Asp Ser Ser Pro Pro Gly Met Gly Met
130 135 140

Ser Asn Thr Tyr Thr Thr Leu Thr Pro Leu Gln Pro Leu Pro Pro Ile
145 150 155 160

Ser Thr Val Ser Asp Lys Phe His His Pro His Pro His His His Pro
165 170 175

His His His His His His His His His Gln Arg Leu Ser Gly Asn Val Ser
180 185 190

Gly Ser Phe Thr Leu Met Arg Asp Glu Arg Gly Leu Pro Ala Met Asn
195 200 205

Asn Leu Tyr Ser Pro Tyr Lys Glu Met Pro Gly Met Ser Gln Ser Leu
210 215 220

Ser Pro Leu Ala Ala Thr Pro Leu Gly Asn Gly Leu Gly Gly Leu His
225 230 235 240

Asn Ala Gln Gln Ser Leu Pro Asn Tyr Gly Pro Pro Gly His Asp
245 250 255

<210> 1879
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1879
Met Asp Glu Lys Thr Lys Lys Ala Glu Glu Met Ala Leu Ser Leu Thr
1 5 10 15

Arg Ala Val Ala Gly Gly Asp Glu Gln Val Ala Met Lys Cys Ala Ile
20 25 30

Trp Leu Ala Glu Gln Arg Val Pro Leu Ser Val Gln Leu Lys Pro Glu

```
        35                  40                  45

Val Ser Pro Thr Gln Asp Ile Arg Leu Trp Val Ser Val Glu Asp Ala
    50                  55                  60

Gln Met His Thr Val Thr Ile Trp Leu Thr Val Arg Pro Asp Met Thr
65                  70                  75                  80

Val Ala Ser Leu Lys Asp Met Val Phe Leu Asp Tyr Gly Phe Pro Pro
                85                  90                  95

Val Leu Gln Gln Trp Val Ile Gly Gln Arg Leu Ala Arg Asp Gln Glu
            100                 105                 110

Thr Leu His Ser His Gly Val Arg Gln Asn Gly Asp Ser Ala Tyr Leu
        115                 120                 125

Tyr Leu Leu Ser Ala Arg Asn Thr Ser Leu Asn Pro Gln Glu Leu Gln
    130                 135                 140

Arg Glu Arg Gln Leu Arg Met Leu Glu Asp Leu Gly Phe Lys Asp Leu
145                 150                 155                 160

Thr Leu Gln Pro Arg Gly Pro Leu Glu Pro Gly Pro Pro Lys Pro Gly
                165                 170                 175

Val Pro Gln Glu Pro Gly Arg Gly Gln Pro Asp Ala Val Pro Glu Pro
            180                 185                 190

Pro Pro Val Gly Trp Gln Cys Pro Gly Cys Thr Phe Ile Asn Lys Pro
        195                 200                 205

Thr Arg Pro Gly Cys Glu Met Cys Cys Arg Ala Arg Pro Glu Ala Tyr
    210                 215                 220

Gln Val Pro Ala Ser Tyr Gln Pro Asp Glu Glu Glu Arg Ala Arg Leu
225                 230                 235                 240

Ala Gly Glu Glu Glu Ala Leu Arg Gln Tyr Gln Gln Arg Lys Gln
                245                 250                 255
```

<210> 1880
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1880
```
Met Ser Ala Leu Ala Ser Arg Ser Ala Pro Ala Met Gln Ser Ser Gly
```

```
1               5                   10                  15

Ser Phe Asn Tyr Ala Arg Pro Lys Gln Phe Ile Ala Ala Gln Asn Leu
            20                  25                  30

Gly Pro Ala Ser Gly His Gly Thr Pro Ala Ser Ser Pro Ser Ser Ser
        35                  40                  45

Ser Leu Pro Ser Pro Met Ser Pro Thr Pro Arg Gln Phe Gly Arg Ala
    50                  55                  60

Pro Val Pro Pro Phe Ala Gln Pro Phe Gly Ala Glu Pro Glu Ala Pro
65                  70                  75                  80

Trp Gly Ser Ser Ser Pro Ser Pro Pro Pro Pro Pro Pro Pro Val Phe
                85                  90                  95

Ser Pro Thr Ala Ala Phe Pro Val Pro Asp Val Phe Pro Leu Pro Pro
            100                 105                 110

Pro Pro Pro Pro Leu Pro Ser Pro Gly Gln Ala Ser His Cys Ser Ser
        115                 120                 125

Pro Ala Thr Arg Phe Gly His Ser Gln Thr Pro Ala Ala Phe Leu Ser
    130                 135                 140

Ala Leu Leu Pro Ser Gln Pro Pro Pro Ala Ala Val Asn Ala Leu Gly
145                 150                 155                 160

Leu Pro Lys Gly Val Thr Pro Ala Gly Phe Pro Lys Lys Ala Ser Arg
                165                 170                 175

Thr Ala Arg Ile Ala Ser Asp Glu Glu Ile Gln Gly Thr Lys Asp Ala
            180                 185                 190

Val Ile Gln Asp Leu Glu Arg Lys Leu Arg Phe Lys Glu Asp Leu Leu
        195                 200                 205

Asn Asn Gly Gln Pro Arg Leu Thr Tyr Glu Glu Arg Met Ala Arg Arg
    210                 215                 220

Leu Leu Gly Ala Asp Ser Ala Thr Val Phe Asn Ile Gln Glu Pro Glu
225                 230                 235                 240

Glu Glu Thr Ala Asn Gln Glu Tyr Lys Val Ser Ser Cys Glu Gln
                245                 250                 255
```

<210> 1881
<211> 134
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1881
Met Ser Gly Lys Val Thr Lys Pro Lys Glu Glu Lys Asp Ala Ser Lys
1   5   10   15

Val Leu Asp Asp Ala Pro Pro Gly Thr Gln Glu Tyr Ile Met Leu Arg
            20   25   30

Gln Asp Ser Ile Gln Ser Ala Glu Leu Lys Lys Lys Glu Ser Pro Phe
        35   40   45

Arg Ala Lys Cys His Glu Ile Phe Cys Cys Pro Leu Lys Gln Val His
    50   55   60

His Lys Glu Asn Thr Glu Pro Glu Glu Pro Gln Leu Lys Gly Ile Val
65   70   75   80

Thr Lys Leu Tyr Ser Arg Gln Gly Tyr His Leu Gln Leu Gln Ala Asp
                85   90   95

Gly Thr Ile Asp Gly Thr Lys Asp Glu Asp Ser Thr Tyr Thr Leu Phe
            100   105   110

Asn Leu Ile Pro Val Gly Leu Arg Val Val Ala Ile Gln Gly Val Gln
        115   120   125

Thr Lys Leu Tyr Leu Ala
    130

<210> 1882
<211> 136
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1882
Met Tyr His Ser Leu Ser Glu Thr Arg His Pro Leu Gln Pro Glu Glu
1   5   10   15

Gln Glu Val Gly Ile Asp Pro Leu Ser Ser Tyr Ser Asn Lys Ser Gly
            20   25   30

Gly Asp Ser Asn Lys Asn Gly Arg Arg Thr Ser Ser Thr Leu Asp Ser
        35   40   45

Glu Gly Thr Phe Asn Ser Tyr Arg Lys Glu Trp Glu Glu Leu Phe Val

```
    50                  55                  60

Asn Asn Asn Tyr Leu Ala Thr Ile Arg Gln Lys Gly Ile Asn Gly Gln
65                  70                  75                  80

Leu Arg Ser Ser Arg Phe Arg Ser Ile Cys Trp Lys Leu Phe Leu Cys
                85                  90                  95

Val Leu Pro Gln Asp Lys Ser Gln Trp Ile Ser Arg Ile Glu Glu Leu
            100                 105                 110

Arg Ala Trp Tyr Ser Asn Ile Lys Glu Ile His Ile Thr Asn Pro Arg
        115                 120                 125

Lys Val Val Gly Gln Gln Asp Leu
    130                 135



<210>  1883
<211>  165
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1883
Met Trp Glu Ala Ser Gly Met Glu Glu Arg Ala Leu Glu Glu Leu Ala
1               5                   10                  15

Met Glu Glu Thr Ala Leu Asp Pro Leu Leu Ala Glu Ala Ala Gly Ala
            20                  25                  30

Val Asp Gly Glu Gly Ala Pro Pro Gly Gly Pro Ser Ala Gln Ala Ala
        35                  40                  45

Thr Met Arg Val Asn Glu Lys Tyr Ser Thr Leu Pro Ala Glu Asp Arg
    50                  55                  60

Ser Val His Ile Ile Asn Ile Cys Ala Ile Glu Asp Ile Gly Tyr Leu
65                  70                  75                  80

Pro Ser Glu Gly Thr Leu Leu Asn Ser Leu Ser Val Asp Pro Asp Ala
                85                  90                  95

Glu Cys Lys Tyr Gly Leu Tyr Phe Arg Asp Gly Arg Arg Lys Val Asp
            100                 105                 110

Tyr Ile Leu Val Tyr His His Lys Arg Pro Ser Gly Asn Arg Thr Leu
        115                 120                 125

Val Arg Arg Val Gln His Ser Asp Thr Pro Ser Gly Ala Arg Ser Val
```

```
    130                 135                 140

Lys Gln Asp His Pro Leu Pro Gly Lys Gly Ala Ser Leu Asp Ala Gly
145                 150                 155                 160

Ser Gly Glu Pro Pro
                165



<210>  1884
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1884
Met Ala Thr Gln Ala Tyr Thr Glu Leu Gln Ala Ala Pro Pro Pro Ser
1               5                   10                  15

Gln Pro Pro Gln Ala Pro Pro Gln Ala Gln Pro Gln Pro Pro Pro Pro
            20                  25                  30

Pro Pro Pro Ala Ala Pro Gln Pro Pro Gln Pro Pro Thr Ala Ala Ala
        35                  40                  45

Thr Pro Gln Pro Gln Tyr Val Thr Glu Leu Gln Ser Pro Gln Pro Gln
    50                  55                  60

Ala Gln Pro Pro Gly Gly Gln Lys Gln Tyr Val Thr Glu Leu Pro Ala
65                  70                  75                  80

Val Pro Ala Pro Ser Gln Pro Thr Gly Ala Pro Thr Pro Ser Pro Ala
                85                  90                  95

Pro Gln Gln Tyr Ile Val Val Thr Val Ser Glu Gly Ala Met Arg Ala
            100                 105                 110

Ser Glu Thr Val Ser Glu Ala Ser Pro Gly Ser Thr Ala Ser Gln Thr
        115                 120                 125

Gly Val Pro Thr Gln Val Val Gln Gln Val Gln Gly Thr Gln Gln Arg
    130                 135                 140

Leu Leu Val Gln Thr Ser Val Gln Ala Lys Pro Gly His Val Ser Pro
145                 150                 155                 160

Leu Gln Leu Thr Asn Ile Gln Val Pro Gln Gln Ala Leu Pro Thr Gln
                165                 170                 175

Arg Leu Val Val Gln Ser Ala Ala Pro Gly Ser Lys Gly Gly Gln Val
```

```
            180                 185                 190

Ser Leu Thr Val His Gly Thr Gln Gln Val His Ser Pro Pro Glu Gln
        195                 200                 205

Ser Pro Val Gln Ala Asn Ser Ser Ser Ser Lys Thr Ala Gly Ala Pro
    210                 215                 220

Thr Gly Thr Val Pro Gln Gln Leu Gln Val His Gly Val Gln Gln Ser
225                 230                 235                 240

Val Pro Val Thr Gln Glu Arg Ser Val Val Gln Ala Thr Pro Gln
                245                 250                 255



<210>  1885
<211>  246
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1885
Met Phe Gly Arg Lys Arg Ser Val Ser Phe Gly Gly Phe Gly Trp Ile
1               5                   10                  15

Asp Lys Thr Met Leu Ala Ser Leu Lys Val Lys Lys Gln Glu Leu Ala
            20                  25                  30

Asn Ser Ser Asp Ala Thr Leu Pro Asp Arg Pro Leu Ser Pro Pro Leu
        35                  40                  45

Thr Ala Pro Pro Thr Met Lys Ser Ser Glu Phe Phe Glu Met Leu Glu
    50                  55                  60

Lys Met Gln Gly Ile Lys Leu Glu Glu Gln Lys Pro Gly Pro Gln Lys
65                  70                  75                  80

Asn Lys Asp Asp Tyr Ile Pro Tyr Pro Ser Ile Asp Glu Val Val Glu
                85                  90                  95

Lys Gly Gly Pro Tyr Pro Gln Val Ile Leu Pro Gln Phe Gly Gly Tyr
            100                 105                 110

Trp Ile Glu Asp Pro Glu Asn Val Gly Thr Pro Thr Ser Leu Gly Ser
        115                 120                 125

Ser Ile Cys Glu Glu Glu Glu Glu Asp Asn Leu Ser Pro Asn Thr Phe
    130                 135                 140

Gly Tyr Lys Leu Glu Cys Lys Gly Glu Ala Arg Ala Tyr Arg Arg His
```

```
145                 150                 155                 160

Phe Leu Gly Lys Asp His Leu Asn Phe Tyr Cys Thr Gly Ser Ser Leu
                165                 170                 175

Gly Asn Leu Ile Leu Ser Val Lys Cys Glu Glu Ala Glu Gly Ile Glu
            180                 185                 190

Tyr Leu Arg Val Ile Leu Arg Ser Lys Leu Lys Thr Val His Glu Arg
        195                 200                 205

Ile Pro Leu Ala Gly Leu Ser Lys Leu Pro Ser Val Pro Gln Ile Ala
    210                 215                 220

Lys Ala Phe Cys Asp Asp Ala Val Gly Leu Arg Phe Asn Pro Val Leu
225                 230                 235                 240

Tyr Pro Lys Ala Ser Gln
                245
```

<210> 1886
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1886

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

Leu Ala Ser Tyr Leu Thr Asn Lys Tyr Val Leu Ser Val Leu Lys Phe
            20                  25                  30

Thr Tyr Pro Thr Leu Phe Gln Gly Trp Gln Thr Leu Ile Gly Gly Leu
        35                  40                  45

Leu Leu His Val Ser Trp Lys Leu Gly Trp Val Glu Ile Asn Ser Ser
    50                  55                  60

Ser Arg Ser His Val Leu Val Trp Leu Pro Ala Ser Val Leu Phe Val
65                  70                  75                  80

Gly Ile Ile Tyr Ala Gly Ser Arg Ala Leu Ser Arg Leu Ala Ile Pro
                85                  90                  95

Val Phe Leu Thr Leu His Asn Val Ala Glu Val Ile Ile Cys Gly Tyr
            100                 105                 110

Gln Lys Cys Phe Gln Lys Glu Lys Thr Ser Pro Ala Lys Ile Cys Ser
```

```
        115                 120                 125

Ala Leu Leu Leu Leu Ala Ala Ala Gly Cys Leu Pro Phe Asn Asp Ser
    130                 135                 140

Gln Phe Asn Pro Asp Gly Tyr Phe Trp Ala Ile Ile His Leu Leu Cys
145                 150                 155                 160

Val Gly Ala Tyr Lys Ile Leu Gln Lys Ser Gln Lys Pro Ser Ala Leu
                165                 170                 175

Ser Asp Ile Asp Gln Gln Tyr Leu Asn Tyr Ile Phe Ser Val Val Leu
            180                 185                 190

Leu Ala Phe Ala Ser His Pro Thr Gly Asp Leu Phe Ser Val Leu Asp
        195                 200                 205

Phe Pro Phe Leu Tyr Phe Tyr Arg Phe His Gly Ser Cys Cys Ala Ser
    210                 215                 220

Gly Phe Leu Gly Phe Phe Leu Met Phe Ser Thr Val Lys Leu Lys Asn
225                 230                 235                 240

Leu Leu Ala Pro Gly Gln Cys Ala Ala Trp Ile Phe Phe Ala Lys
                245                 250                 255



<210>  1887
<211>  231
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1887
Met Leu Ser Ser Arg Ala Glu Ala Ala Met Thr Ala Ala Asp Arg Ala
1               5                   10                  15

Ile Gln Arg Phe Leu Arg Thr Gly Ala Ala Val Arg Tyr Lys Val Met
            20                  25                  30

Lys Asn Trp Gly Val Ile Gly Gly Ile Ala Ala Ala Leu Ala Ala Gly
        35                  40                  45

Ile Tyr Val Ile Trp Gly Pro Ile Thr Glu Arg Lys Lys Arg Arg Lys
    50                  55                  60

Gly Leu Val Pro Gly Leu Val Asn Leu Gly Asn Thr Cys Phe Met Asn
65                  70                  75                  80

Ser Leu Leu Gln Gly Leu Ser Ala Cys Pro Ala Phe Ile Arg Trp Leu
```

```
                85                  90                  95

Glu Glu Phe Thr Ser Gln Tyr Ser Arg Asp Gln Lys Glu Pro Pro Ser
            100                 105                 110

His Gln Tyr Leu Ser Leu Thr Leu Leu His Leu Leu Lys Ala Leu Ser
        115                 120                 125

Cys Gln Glu Val Thr Asp Asp Glu Val Leu Asp Ala Ser Cys Leu Leu
    130                 135                 140

Asp Val Leu Arg Met Tyr Arg Trp Gln Ile Ser Ser Phe Glu Glu Gln
145                 150                 155                 160

Asp Ala His Glu Leu Phe His Val Ile Thr Ser Ser Leu Glu Asp Glu
                165                 170                 175

Arg Asp Arg Gln Pro Arg Val Thr His Leu Phe Asp Val His Ser Leu
            180                 185                 190

Glu Gln Gln Ser Glu Ile Thr Pro Lys Gln Ile Thr Cys Arg Thr Arg
        195                 200                 205

Gly Ser Pro His Pro Thr Ser Asn His Trp Lys Ser Gln His Pro Phe
    210                 215                 220

His Gly Arg Leu Thr Ser Asn
225                 230
```

<210> 1888
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1888

```
Met Asn Lys Leu Tyr Ile Gly Asn Leu Ser Glu Asn Ala Ala Pro Ser
1               5                   10                  15

Asp Leu Glu Ser Ile Phe Lys Asp Ala Lys Ile Pro Val Ser Gly Pro
            20                  25                  30

Phe Leu Val Lys Thr Gly Tyr Ala Phe Val Asp Cys Pro Asp Glu Ser
        35                  40                  45

Trp Ala Leu Lys Ala Ile Glu Ala Leu Ser Gly Lys Ile Glu Leu His
    50                  55                  60

Gly Lys Pro Ile Glu Val Glu His Ser Val Pro Lys Arg Gln Arg Ile
```

65 70 75 80

Arg Lys Leu Gln Ile Arg Asn Ile Pro Pro His Leu Gln Trp Glu Val
85 90 95

Leu Asp Ser Leu Leu Val Gln Tyr Gly Val Val Glu Ser Cys Glu Gln
100 105 110

Val Asn Thr Asp Ser Glu Thr Ala Val Val Asn Val Thr Tyr Ser Ser
115 120 125

Lys Asp Gln Ala Arg Gln Ala Leu Asp Lys Leu Asn Gly Phe Gln Leu
130 135 140

Glu Asn Phe Thr Leu Lys Val Ala Tyr Ile Pro Asp Glu Met Ala Ala
145 150 155 160

Gln Gln Asn Pro Leu Gln Gln Pro Arg Gly Arg Arg Gly Leu Gly Gln
165 170 175

Arg Gly Ser Ser Arg Gln Gly Ser Pro Gly Ser Val Ser Lys Gln Lys
180 185 190

Pro Cys Asp Leu Pro Leu Arg Leu Leu Val Pro Thr Gln Phe Val Gly
195 200 205

Ala Ile Ile Gly Lys Glu Gly Ala Thr Ile Arg Asn Ile Thr Lys Gln
210 215 220

Thr Gln Ser Lys Ile Asp Val His Arg Lys Glu Asn Ala Gly Ala Ala
225 230 235 240

Glu Lys Ser Ile Thr Ile Leu Ser Thr Pro Glu Gly Thr Ser Ala
245 250 255

<210> 1889
<211> 77
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1889
Met Glu Pro Asp Ser Leu Leu Asp Gln Asp Asp Ser Tyr Glu Ser Pro
1 5 10 15

Gln Glu Arg Pro Gly Ser Arg Arg Ser Leu Pro Gly Ser Leu Ser Glu
20 25 30

Lys Ser Pro Ser Met Glu Pro Ser Ala Ala Thr Pro Phe Arg Val Thr

```
        35                  40                  45

Gly Phe Leu Ser Arg Arg Leu Lys Gly Ser Ile Lys Arg Thr Lys Ser
    50                  55                  60

Gln Pro Lys Leu Asp Arg Asn His Ser Phe Arg His Ile
65                  70                  75



<210>  1890
<211>  226
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1890
Met Leu Trp Lys Leu Thr Asp Asn Ile Lys Tyr Glu Asp Cys Glu Asp
1               5                   10                  15

Arg His Asp Gly Thr Ser Asn Gly Thr Ala Arg Leu Pro Gln Leu Gly
            20                  25                  30

Thr Val Gly Gln Ser Pro Tyr Thr Ser Ala Pro Pro Leu Ser His Thr
        35                  40                  45

Pro Asn Ala Asp Phe Gln Pro Pro Tyr Phe Pro Pro Pro Tyr Gln Pro
    50                  55                  60

Ile Tyr Pro Gln Ser Gln Asp Pro Tyr Ser His Val Asn Asp Pro Tyr
65                  70                  75                  80

Ser Leu Asn Pro Leu His Ala Gln Pro Gln Pro Gln His Pro Gly Trp
                85                  90                  95

Pro Gly Gln Arg Gln Ser Gln Glu Ser Gly Leu Leu His Thr His Arg
            100                 105                 110

Gly Leu Pro His Gln Leu Ser Gly Leu Asp Pro Arg Arg Asp Tyr Arg
        115                 120                 125

Arg His Glu Asp Leu Leu His Gly Pro His Ala Leu Ser Ser Gly Leu
    130                 135                 140

Gly Asp Leu Ser Ile His Ser Leu Pro His Ala Ile Glu Glu Val Pro
145                 150                 155                 160

His Val Glu Asp Pro Gly Ile Asn Ile Pro Asp Gln Thr Val Ile Lys
                165                 170                 175

Lys Gly Pro Val Ser Leu Ser Lys Ser Asn Ser Asn Ala Val Ser Ala
```

```
            180                 185                 190

Ile Pro Ile Asn Lys Asp Asn Leu Phe Gly Gly Val Val Asn Pro Asn
        195                 200                 205

Glu Val Phe Cys Ser Val Pro Gly Arg Leu Ser Leu Leu Ser Ser Thr
    210                 215                 220

Ser Lys
225



<210>  1891
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1891
Met Val Ile Leu Gln Gln Gly Asp His Val Trp Met Asp Leu Arg Leu
1               5                   10                  15

Gly Gln Glu Phe Asp Val Pro Ile Gly Ala Val Val Lys Leu Cys Asp
            20                  25                  30

Ser Gly Gln Val Gln Val Val Asp Asp Glu Asp Asn Glu His Trp Ile
        35                  40                  45

Ser Pro Gln Asn Ala Thr His Ile Lys Pro Met His Pro Thr Ser Val
    50                  55                  60

His Gly Val Glu Asp Met Ile Arg Leu Gly Asp Leu Asn Glu Ala Gly
65                  70                  75                  80

Ile Leu Arg Asn Leu Leu Ile Arg Tyr Arg Asp His Leu Ile Tyr Thr
                85                  90                  95

Tyr Thr Gly Ser Ile Leu Val Ala Val Asn Pro Tyr Gln Leu Leu Ser
            100                 105                 110

Ile Tyr Ser Pro Glu His Ile Arg Gln Tyr Thr Asn Lys Lys Ile Gly
        115                 120                 125

Glu Met Pro Pro His Ile Phe Ala Ile Ala Asp Asn Cys Tyr Phe Asn
    130                 135                 140

Met Lys Arg Asn Ser Arg Asp Gln Cys Cys Ile Ile Ser Gly Glu Ser
145                 150                 155                 160

Gly Ala Gly Lys Thr Glu Ser Thr Lys Leu Ile Leu Gln Phe Leu Ala
```

```
                165                 170                 175

Ala Ile Ser Gly Gln His Ser Trp Ile Glu Gln Gln Val Leu Glu Ala
            180                 185                 190

Thr Pro Ile Leu Glu Ala Phe Gly Asn Ala Lys Thr Ile Arg Asn Asp
        195                 200                 205

Asn Ser Ser Arg Phe Gly Lys Tyr Ile Asp Ile His Phe Asn Lys Arg
    210                 215                 220

Gly Ala Ile Glu Gly Ala Lys Ile Glu Gln Tyr Leu Leu Glu Lys Ser
225                 230                 235                 240

Arg Val Cys Arg Gln Ala Leu Asp Glu Arg Asn Tyr His Val Phe
                245                 250                 255



<210>  1892
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1892
Met Gly Asp Leu Ser Ser Leu Thr Pro Gly Gly Ser Met Gly Leu Gln
1               5                   10                  15

Val Asn Arg Gly Ser Gln Ser Ser Leu Glu Gly Ala Pro Ala Thr Ala
            20                  25                  30

Pro Glu Pro His Ser Leu Gly Ile Leu His Ala Ser Tyr Ser Val Ser
        35                  40                  45

His Arg Val Arg Pro Trp Trp Asp Ile Thr Ser Cys Arg Gln Gln Trp
    50                  55                  60

Thr Arg Gln Ile Leu Lys Asp Val Ser Leu Tyr Val Glu Ser Gly Gln
65                  70                  75                  80

Ile Met Cys Ile Leu Gly Ser Ser Gly Ser Gly Lys Thr Thr Leu Leu
                85                  90                  95

Asp Ala Met Ser Gly Arg Leu Gly Arg Ala Gly Thr Phe Leu Gly Glu
            100                 105                 110

Val Tyr Val Asn Gly Arg Ala Leu Arg Arg Glu Gln Phe Gln Asp Cys
        115                 120                 125

Phe Ser Tyr Val Leu Gln Ser Asp Thr Leu Leu Ser Ser Leu Thr Val
```

```
    130                 135                 140

Arg Glu Thr Leu His Tyr Thr Ala Leu Leu Ala Ile Arg Arg Gly Asn
145                 150                 155                 160

Pro Gly Ser Phe Gln Lys Lys Val Glu Ala Val Met Ala Glu Leu Ser
                165                 170                 175

Leu Ser His Val Ala Asp Arg Leu Ile Gly Asn Tyr Ser Leu Gly Gly
            180                 185                 190

Ile Ser Thr Gly Glu Arg Arg Arg Val Ser Ile Ala Ala Gln Leu Leu
        195                 200                 205

Gln Asp Pro Lys Val Met Leu Phe Asp Glu Pro Thr Thr Gly Leu Asp
    210                 215                 220

Cys Met Thr Ala Asn Gln Ile Val Val Leu Leu Val Glu Leu Ala Arg
225                 230                 235                 240

Arg Asn Arg Ile Val Val Leu Thr Ile His Gln Pro Arg Ser Glu
                245                 250                 255



<210>  1893
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1893
Met Glu Pro Ser Ala Leu Arg Lys Ala Gly Ser Glu Gln Glu Glu Gly
1               5                   10                  15

Phe Glu Gly Leu Pro Arg Arg Val Thr Asp Leu Gly Met Val Ser Asn
            20                  25                  30

Leu Arg Arg Ser Asn Ser Ser Leu Phe Lys Ser Trp Arg Leu Gln Cys
        35                  40                  45

Pro Phe Gly Asn Asn Asp Lys Gln Glu Ser Leu Ser Ser Trp Ile Pro
    50                  55                  60

Glu Asn Ile Lys Lys Lys Glu Cys Val Tyr Phe Val Glu Ser Ser Lys
65                  70                  75                  80

Leu Ser Asp Ala Gly Lys Val Val Cys Gln Cys Gly Tyr Thr His Glu
                85                  90                  95

Gln His Leu Glu Glu Ala Thr Lys Pro His Thr Phe Gln Gly Thr Gln
```

```
            100                 105                 110

Trp Asp Pro Lys Lys His Val Gln Glu Met Pro Thr Asp Ala Phe Gly
        115                 120                 125

Asp Ile Val Phe Thr Gly Leu Ser Gln Lys Val Lys Lys Tyr Val Arg
    130                 135                 140

Val Ser Gln Asp Thr Pro Ser Ser Val Ile Tyr His Leu Met Thr Gln
145                 150                 155                 160

His Trp Gly Leu Asp Val Pro Asn Leu Leu Ile Ser Val Thr Gly Gly
                165                 170                 175

Ala Lys Asn Phe Asn Met Lys Pro Arg Leu Lys Ser Ile Phe Arg Arg
            180                 185                 190

Gly Leu Val Lys Val Ala Gln Thr Thr Gly Ala Trp Ile Ile Thr Gly
        195                 200                 205

Gly Ser His Thr Gly Val Met Lys Gln Val Gly Glu Ala Val Arg Asp
    210                 215                 220

Phe Ser Leu Ser Ser Ser Tyr Lys Glu Gly Glu Leu Ile Thr Ile Gly
225                 230                 235                 240

Val Ala Thr Trp Gly Thr Val His Arg Arg Glu Gly Leu Ile His
                245                 250                 255



<210>  1894
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1894
Met Arg Gln Val Leu Trp Leu Cys Asn Val Cys Val Thr Ala Arg Glu
1               5                   10                  15

Thr Arg His His Leu His Leu Pro Ala Ile Leu Asp Lys Met Pro Ala
            20                  25                  30

Pro Gly Ala Leu Ile Leu Leu Ala Ala Val Ser Ala Ser Gly Cys Leu
        35                  40                  45

Ala Ser Pro Ala His Pro Asp Gly Phe Ala Leu Gly Arg Ala Pro Leu
    50                  55                  60

Ala Pro Pro Tyr Ala Val Val Leu Ile Ser Cys Ser Gly Leu Leu Ala
```

65 70 75 80

Phe Ile Phe Leu Leu Leu Thr Cys Leu Cys Cys Lys Arg Gly Asp Val
85 90 95

Gly Phe Lys Glu Phe Glu Asn Pro Glu Gly Glu Asp Cys Ser Gly Glu
100 105 110

Tyr Thr Pro Pro Ala Glu Glu Thr Ser Ser Ser Gln Ser Leu Pro Asp
115 120 125

Val Tyr Ile Leu Pro Leu Ala Glu Val Ser Leu Pro Met Pro Ala Pro
130 135 140

Gln Pro Ser His Ser Asp Met Thr Thr Pro Leu Gly Leu Ser Arg Gln
145 150 155 160

His Leu Ser Tyr Leu Gln Glu Ile Gly Ser Gly Trp Phe Gly Lys Val
165 170 175

Ile Leu Gly Glu Ile Phe Ser Asp Tyr Thr Pro Ala Gln Val Val Val
180 185 190

Lys Glu Leu Arg Ala Ser Ala Gly Pro Leu Glu Gln Arg Lys Phe Ile
195 200 205

Ser Glu Ala Gln Pro Tyr Arg Ser Leu Gln His Pro Asn Val Leu Gln
210 215 220

Cys Leu Gly Leu Cys Val Glu Thr Leu Pro Phe Leu Leu Ile Met Glu
225 230 235 240

Phe Cys Gln Leu Gly Asp Leu Lys Arg Tyr Leu Arg Ala Gln Arg
245 250 255

<210> 1895
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1895
Met Thr Leu Pro His Ser Leu Gly Gly Ala Gly Asp Pro Arg Pro Pro
1 5 10 15

Gln Ala Met Glu Val His Arg Leu Glu His Arg Gln Glu Glu Glu Gln
20 25 30

Lys Glu Glu Arg Gln His Ser Leu Arg Met Gly Ser Ser Val Arg Arg

```
        35                  40                  45

Arg Thr Phe Arg Ser Ser Glu Glu Glu His Glu Phe Ser Ala Ala Asp
    50                  55                  60

Tyr Ala Leu Ala Ala Ala Leu Ala Leu Thr Ala Ser Ser Glu Leu Ser
65                  70                  75                  80

Trp Glu Ala Gln Leu Arg Arg Gln Thr Ser Ala Val Glu Leu Glu Glu
                85                  90                  95

Arg Gly Gln Lys Arg Val Gly Phe Gly Asn Asp Trp Glu Arg Thr Glu
            100                 105                 110

Ile Ala Phe Leu Gln Thr His Arg Leu Leu Arg Gln Arg Arg Asp Trp
        115                 120                 125

Lys Thr Leu Arg Arg Arg Thr Glu Glu Lys Val Gln Glu Ala Lys Glu
    130                 135                 140

Leu Arg Glu Leu Cys Tyr Gly Arg Gly Pro Trp Phe Trp Ile Pro Leu
145                 150                 155                 160

Arg Ser His Ala Val Trp Glu His Thr Thr Val Leu Leu Thr Cys Thr
                165                 170                 175

Val Gln Ala Ser Pro Pro Pro Gln Val Thr Trp Tyr Lys Asn Asp Thr
            180                 185                 190

Arg Ile Asp Pro Arg Leu Phe Arg Ala Gly Lys Tyr Arg Ile Thr Asn
        195                 200                 205

Asn Tyr Gly Leu Leu Ser Leu Glu Ile Arg Arg Cys Ala Ile Glu Asp
    210                 215                 220

Ser Ala Thr Tyr Thr Val Arg Val Lys Asn Ala His Gly Gln Ala Ser
225                 230                 235                 240

Ser Phe Ala Lys Val Leu Val Arg Thr Tyr Leu Gly Lys Asp Ala
                245                 250                 255



<210>  1896
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1896
Met Ser Thr Asp Ser Asn Ser Leu Ala Arg Glu Phe Leu Thr Asp Val
```

```
1               5                   10                  15

Asn Arg Leu Cys Asn Ala Val Val Gln Arg Val Glu Ala Arg Glu Glu
            20                  25                  30

Glu Glu Glu Glu Thr His Met Ala Thr Leu Gly Gln Tyr Leu Val His
        35                  40                  45

Gly Arg Gly Phe Leu Leu Leu Thr Lys Leu Asn Ser Ile Ile Asp Gln
    50                  55                  60

Ala Leu Thr Cys Arg Glu Glu Leu Leu Thr Leu Leu Leu Ser Leu Leu
65                  70                  75                  80

Pro Leu Val Trp Lys Ile Pro Val Gln Glu Glu Lys Ala Thr Asp Phe
                85                  90                  95

Asn Leu Pro Leu Ser Ala Asp Ile Ile Leu Thr Lys Glu Lys Asn Ser
            100                 105                 110

Ser Ser Gln Arg Ser Thr Gln Glu Lys Leu His Leu Glu Gly Ser Ala
        115                 120                 125

Leu Ser Ser Gln Val Ser Ala Lys Val Asn Val Phe Arg Lys Ser Arg
    130                 135                 140

Arg Gln Arg Lys Ile Thr His Arg Tyr Ser Val Arg Asp Ala Arg Lys
145                 150                 155                 160

Thr Gln Leu Ser Thr Ser Asp Ser Glu Ala Asn Ser Asp Glu Lys Gly
                165                 170                 175

Ile Ala Met Asn Lys His Arg Arg Pro His Leu Leu His His Phe Leu
            180                 185                 190

Thr Ser Phe Pro Lys Gln Asp His Pro Lys Ala Lys Leu Asp Arg Leu
        195                 200                 205

Ala Thr Lys Glu Gln Thr Pro Pro Asp Ala Met Ala Leu Glu Asn Ser
    210                 215                 220

Arg Glu Ile Ile Pro Arg Gln Gly Ser Asn Thr Asp Ile Leu Ser Glu
225                 230                 235                 240

Pro Ala Ala Leu Ser Val Ile Ser Asn Met Asn Asn Ser Pro Phe
                245                 250                 255
```

<210> 1897
<211> 107
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1897
Met Ser Glu Phe Trp Leu Ile Ser Ala Pro Gly Asp Lys Glu Asn Leu
1   5   10   15

Gln Ala Leu Glu Arg Met Asn Thr Val Thr Ser Lys Ser Asn Leu Ser
            20   25   30

Tyr Asn Thr Lys Phe Ala Ile Pro Asp Phe Lys Val Gly Thr Leu Asp
        35   40   45

Ser Leu Val Gly Leu Ser Asp Glu Leu Gly Lys Leu Asp Thr Phe Ala
    50   55   60

Glu Ser Leu Ile Arg Arg Met Ala Gln Ser Val Val Glu Val Met Glu
65   70   75   80

Asp Ser Lys Gly Lys Val Gln Glu His Leu Leu Ala Asn Gly Val Asp
                85   90   95

Leu Thr Ser Phe Val Thr His Phe Glu Trp Asp
            100   105

<210> 1898
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1898
Met Ala Ala Ala Ala Glu Pro Gly Ala Arg Ala Trp Leu Gly Gly Gly
1   5   10   15

Ser Pro Arg Pro Gly Ser Pro Ala Cys Ser Pro Val Leu Gly Ser Gly
            20   25   30

Gly Arg Ala Arg Pro Gly Pro Gly Pro Gly Pro Gly Pro Glu Arg Ala
        35   40   45

Gly Val Arg Ala Pro Gly Pro Ala Ala Ala Pro Gly His Ser Phe Arg
    50   55   60

Lys Val Thr Leu Thr Lys Pro Thr Phe Cys His Leu Cys Ser Asp Phe
65   70   75   80

Ile Trp Gly Leu Ala Gly Phe Leu Cys Asp Val Cys Asn Phe Met Ser

```
                85                  90                  95

His Glu Lys Cys Leu Lys His Val Arg Ile Pro Cys Thr Ser Val Ala
            100                 105                 110

Pro Ser Leu Val Arg Val Pro Val Ala His Cys Phe Gly Pro Arg Gly
        115                 120                 125

Leu His Lys Arg Lys Phe Cys Ala Val Cys Arg Lys Val Leu Glu Ala
    130                 135                 140

Pro Ala Leu His Cys Glu Val Cys Glu Leu His Leu His Pro Asp Cys
145                 150                 155                 160

Val Pro Phe Ala Cys Ser Asp Cys Arg Gln Cys His Gln Asp Gly His
                165                 170                 175

Gln Asp His Asp Thr His His His His Trp Arg Glu Gly Asn Leu Pro
            180                 185                 190

Ser Gly Ala Arg Cys Glu Val Cys Arg Lys Thr Cys Gly Ser Ser Asp
        195                 200                 205

Val Leu Ala Gly Val Arg Cys Glu Trp Cys Gly Val Gln Ala His Ser
    210                 215                 220

Leu Cys Ser Ala Ala Leu Ala Pro Glu Cys Gly Phe Gly Arg Leu Arg
225                 230                 235                 240

Ser Leu Val Leu Pro Pro Ala Cys Val Arg Leu Leu Pro Gly Gly
                245                 250                 255



<210>  1899
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1899
Met Gly Ala Met Ala Tyr Pro Leu Leu Leu Cys Leu Leu Leu Ala Gln
1               5                   10                  15

Leu Gly Leu Gly Ala Val Gly Ala Ser Arg Asp Pro Gln Gly Arg Pro
            20                  25                  30

Asp Ser Pro Arg Glu Arg Thr Pro Lys Gly Lys Pro His Ala Gln Gln
        35                  40                  45

Pro Gly Arg Ala Ser Ala Ser Asp Ser Ser Ala Pro Trp Ser Arg Ser
```

```
    50                  55                  60

Thr Asp Gly Thr Ile Leu Ala Gln Lys Leu Ala Glu Glu Val Pro Met
65                  70                  75                  80

Asp Val Ala Ser Tyr Leu Tyr Thr Gly Asp Ser His Gln Leu Lys Arg
                85                  90                  95

Ala Asn Cys Ser Gly Arg Tyr Glu Leu Ala Gly Leu Pro Gly Lys Trp
            100                 105                 110

Pro Ala Leu Ala Ser Ala His Pro Ser Leu His Arg Ala Leu Asp Thr
        115                 120                 125

Leu Thr His Ala Thr Asn Phe Leu Asn Val Met Leu Gln Ser Asn Lys
    130                 135                 140

Ser Arg Glu Gln Asn Leu Gln Asp Asp Leu Asp Trp Tyr Gln Ala Leu
145                 150                 155                 160

Val Trp Ser Leu Leu Glu Gly Glu Pro Ser Ile Ser Arg Ala Ala Ile
                165                 170                 175

Thr Phe Ser Thr Asp Ser Leu Ser Ala Pro Ala Pro Gln Val Phe Leu
            180                 185                 190

Gln Ala Thr Arg Glu Glu Ser Arg Ile Leu Leu Gln Asp Leu Ser Ser
        195                 200                 205

Ser Ala Pro His Leu Ala Asn Ala Thr Leu Glu Thr Glu Trp Phe His
    210                 215                 220

Gly Leu Arg Arg Lys Trp Arg Pro His Leu His Arg Arg Gly Pro Asn
225                 230                 235                 240

Gln Gly Pro Arg Gly Leu Gly His Ser Trp Arg Arg Lys Asp Gly
                245                 250                 255



<210>  1900
<211>  238
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1900
Met Ser Arg Lys Ala Ser Glu Asn Val Glu Tyr Thr Leu Arg Ser Leu
1               5                   10                  15

Ser Ser Leu Met Gly Glu Arg Arg Arg Lys Gln Pro Glu Pro Asp Ala
```

```
            20                  25                  30

Ala Ser Ala Ala Gly Glu Cys Ser Leu Leu Ala Ala Ala Glu Ser Ser
        35                  40                  45

Thr Ser Leu Gln Ser Ala Gly Ala Gly Gly Gly Gly Val Gly Asp Leu
    50                  55                  60

Glu Arg Ala Ala Arg Arg Gln Phe Gln Gln Asp Glu Thr Pro Ala Phe
65                  70                  75                  80

Val Tyr Val Val Ala Val Phe Ser Ala Leu Gly Gly Phe Leu Phe Gly
                85                  90                  95

Tyr Asp Thr Gly Val Val Ser Gly Ala Met Leu Leu Leu Lys Arg Gln
            100                 105                 110

Leu Ser Leu Asp Ala Leu Trp Gln Glu Leu Leu Val Ser Ser Thr Val
        115                 120                 125

Gly Ala Ala Ala Val Ser Ala Leu Ala Gly Gly Ala Leu Asn Gly Val
    130                 135                 140

Phe Gly Arg Arg Ala Ala Ile Leu Leu Ala Ser Ala Leu Phe Thr Ala
145                 150                 155                 160

Gly Ser Ala Val Leu Ala Ala Ala Asn Asn Lys Glu Thr Leu Leu Ala
                165                 170                 175

Gly Arg Leu Val Val Gly Leu Gly Ile Gly Ile Ala Ser Met Thr Val
            180                 185                 190

Pro Val Tyr Ile Ala Glu Val Ser Pro Pro Asn Leu Arg Gly Arg Leu
        195                 200                 205

Val Thr Ile Asn Thr Leu Phe Ile Thr Gly Gly Gln Phe Phe Ala Ser
    210                 215                 220

Val Val Asp Gly Ala Phe Ser Tyr Leu Gln Lys Asp Gly Trp
225                 230                 235



<210>  1901
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1901
Met Ala Gly Tyr Leu Ser Pro Ala Ala Tyr Leu Tyr Val Glu Glu Gln
```

```
1               5                   10                  15

Glu Tyr Leu Gln Ala Tyr Glu Asp Val Leu Glu Arg Tyr Lys Asp Glu
            20                  25                  30

Arg Asp Lys Val Gln Lys Lys Thr Phe Thr Lys Trp Ile Asn Gln His
        35                  40                  45

Leu Met Lys Val Arg Lys His Val Asn Asp Leu Tyr Glu Asp Leu Arg
    50                  55                  60

Asp Gly His Asn Leu Ile Ser Leu Leu Glu Val Leu Ser Gly Asp Thr
65                  70                  75                  80

Leu Pro Arg Glu Lys Gly Arg Met Arg Phe His Arg Leu Gln Asn Val
                85                  90                  95

Gln Ile Ala Leu Asp Tyr Leu Lys Arg Arg Gln Val Lys Leu Val Asn
            100                 105                 110

Ile Arg Asn Asp Asp Ile Thr Asp Gly Asn Pro Lys Leu Thr Leu Gly
        115                 120                 125

Leu Ile Trp Thr Ile Ile Leu His Phe Gln Ile Ser Asp Ile His Val
    130                 135                 140

Thr Gly Glu Ser Glu Asp Met Ser Ala Lys Glu Arg Leu Leu Leu Trp
145                 150                 155                 160

Thr Gln Gln Ala Thr Glu Gly Tyr Ala Gly Ile Arg Cys Glu Asn Phe
                165                 170                 175

Thr Thr Cys Trp Arg Asp Gly Lys Leu Phe Asn Ala Ile Ile His Lys
            180                 185                 190

Tyr Arg Pro Asp Leu Ile Asp Met Asn Thr Val Ala Val Gln Ser Asn
        195                 200                 205

Leu Ala Asn Leu Glu His Ala Phe Tyr Val Ala Glu Lys Ile Gly Val
    210                 215                 220

Ile Arg Leu Leu Asp Pro Glu Asp Val Asp Val Ser Ser Pro Asp Glu
225                 230                 235                 240

Lys Ser Val Ile Thr Tyr Val Ser Ser Leu Tyr Asp Ala Phe Pro
                245                 250                 255
```

<210> 1902
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1902
Met Ser Ser Asp Glu Glu Lys Tyr Ser Leu Pro Val Val Gln Asn Asp
1 5 10 15

Ser Ser Arg Gly Ser Ser Val Ser Ser Asn Leu Gln Glu Glu Tyr Glu
20 25 30

Glu Leu Leu His Tyr Ala Ile Val Thr Pro Asn Ile Glu Pro Cys Ala
35 40 45

Ser Gln Ser Ser His Pro Lys Gly Glu Leu Val Pro Asp Val Arg Ile
50 55 60

Ser Thr Ile His Asp Ile Leu His Ser Gln Gly Asn Asn Ser Glu Val
65 70 75 80

Arg Glu Thr Ala Ile Glu Val Gly Lys Gly Cys Asp Phe His Ile Ser
85 90 95

Ser His Ser Lys Thr Asp Glu Ser Ser Pro Val Leu Ser Pro Arg Lys
100 105 110

Pro Ser His Pro Val Met Asp Phe Phe Ser Ser His Leu Leu Ala Asp
115 120 125

Ser Ser Ser Pro Ala Thr Asn Ser Ser His Thr Asp Ala His Glu Ile
130 135 140

Leu Val Ser Asp Phe Leu Val Ser Asp Glu Asn Leu Gln Lys Met Glu
145 150 155 160

Asn Val Leu Asp Leu Trp Ser Ser Gly Leu Lys Thr Asn Ile Ile Ser
165 170 175

Glu Leu Ser Lys Trp Arg Leu Asn Phe Ile Asp Trp His Arg Met Glu
180 185 190

Met Arg Lys Glu Lys Glu Lys His Ala Ala His Leu Lys Gln Leu Cys
195 200 205

Asn Gln Ile Asn Glu Leu Lys Glu Leu Gln Lys Thr Phe Glu Ile Ser
210 215 220

Ile Gly Arg Lys Asp Glu Val Ile Ser Ser Leu Ser His Ala Ile Gly
225 230 235 240

Lys Gln Lys Glu Lys Ile Glu Leu Met Arg Thr Phe Phe His Trp
245 250 255

<210> 1903
<211> 132
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1903
Met Ala Ser Glu Glu Leu Tyr Glu Val Glu Arg Ile Val Asp Lys Arg
1   5   10   15

Lys Asn Lys Lys Gly Lys Thr Glu Tyr Leu Val Arg Trp Lys Gly Tyr
            20   25   30

Asp Ser Glu Asp Asp Thr Trp Glu Pro Glu Gln His Leu Val Asn Cys
        35   40   45

Glu Glu Tyr Ile His Asp Phe Asn Arg Arg His Thr Glu Lys Gln Lys
    50   55   60

Glu Ser Thr Leu Thr Arg Thr Asn Arg Thr Ser Pro Asn Asn Ala Arg
65   70   75   80

Lys Gln Ile Ser Arg Ser Thr Asn Ser Asn Phe Ser Lys Thr Ser Pro
                85   90   95

Lys Ala Leu Val Ile Gly Lys Asp His Glu Ser Lys Asn Ser Gln Leu
            100   105   110

Phe Ala Ala Ser Gln Lys Phe Arg Lys Asn Thr Ala Pro Ser Leu Ser
        115   120   125

Ser Arg Lys Asn
    130

<210> 1904
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1904
Met Ser Tyr Tyr Gln Arg Pro Phe Ser Pro Ser Ala Tyr Ser Leu Pro
1   5   10   15

Ala Ser Leu Asn Ser Ser Ile Val Met Gln His Gly Thr Ser Leu Asp

```
            20                  25                  30

Ser Thr Asp Thr Tyr Pro Gln His Ala Gln Ser Leu Asp Gly Thr Thr
        35                  40                  45

Ser Ser Ser Ile Pro Leu Tyr Arg Ser Ser Glu Glu Glu Lys Arg Val
    50                  55                  60

Thr Val Ile Lys Ala Pro His Tyr Pro Gly Ile Gly Pro Val Asp Glu
65                  70                  75                  80

Ser Gly Ile Pro Thr Ala Ile Arg Thr Thr Val Asp Arg Pro Lys Asp
                85                  90                  95

Trp Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Asp
            100                 105                 110

Asp Asp Thr Asp Met Tyr Asn Thr Pro Tyr Thr Tyr Asn Ala Gly Leu
        115                 120                 125

Tyr Asn Pro Pro Tyr Ser Ala Gln Ser His Pro Ala Ala Lys Thr Gln
    130                 135                 140

Thr Tyr Arg Pro Leu Ser Lys Ser His Ser Asp Asn Ser Pro Asn Ala
145                 150                 155                 160

Phe Lys Asp Ala Ser Ser Pro Val Pro Pro Pro His Val Pro Pro Pro
                165                 170                 175

Val Pro Pro Leu Arg Pro Arg Asp Arg Ser Ser Thr Glu Lys His Asp
            180                 185                 190

Trp Asp Pro Pro Asp Arg Lys Val Asp Thr Arg Lys Phe Arg Ser Glu
        195                 200                 205

Pro Arg Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser Ser Ile Leu Gln
    210                 215                 220

His Glu Arg Pro Ala Ser Leu Tyr Gln Ser Ser Ile Asp Arg Ser Leu
225                 230                 235                 240

Glu Arg Pro Met Ser Ser Ala Ser Met Ala Ser Asp Phe Arg Lys
                245                 250                 255
```

<210> 1905
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1905

```
Met Ala Glu Val Gly Arg Thr Gly Ile Ser Tyr Pro Gly Ala Leu Leu
1               5                  10                  15

Pro Gln Gly Phe Trp Ala Ala Val Glu Val Trp Leu Glu Arg Pro Gln
            20                  25                  30

Val Ala Asn Lys Arg Leu Cys Gly Ala Arg Leu Glu Ala Arg Trp Ser
        35                  40                  45

Ala Ala Leu Pro Cys Ala Glu Ala Arg Gly Pro Gly Thr Ser Ala Gly
    50                  55                  60

Ser Glu Gln Lys Glu Arg Gly Pro Gly Pro Gly Gln Gly Ser Pro Gly
65                  70                  75                  80

Gly Gly Pro Gly Pro Arg Ser Leu Ser Gly Pro Glu Gln Gly Thr Ala
                85                  90                  95

Cys Cys Glu Leu Glu Glu Ala Gln Gly Gln Cys Gln Gln Glu Glu Ala
            100                 105                 110

Gln Arg Glu Ala Ala Ser Val Pro Leu Arg Asp Ser Gly His Pro Gly
        115                 120                 125

His Ala Glu Gly Arg Glu Gly Asp Phe Pro Ala Ala Asp Leu Asp Ser
    130                 135                 140

Leu Trp Glu Asp Phe Ser Gln Ser Leu Ala Arg Gly Asn Ser Glu Leu
145                 150                 155                 160

Leu Ala Phe Leu Thr Ser Ser Gly Ala Gly Ser Gln Pro Glu Ala Gln
                165                 170                 175

Arg Glu Leu Asp Val Val Leu Arg Thr Val Ile Pro Lys Thr Ser Pro
            180                 185                 190

His Cys Pro Leu Thr Thr Pro Arg Arg Glu Ile Val Val Gln Asp Val
        195                 200                 205

Leu Asn Gly Thr Ile Thr Phe Leu Pro Leu Glu Glu Asp Asp Glu Gly
    210                 215                 220

Asn Leu Lys Val Lys Met Ser Asn Val Tyr Gln Ile Gln Leu Ser His
225                 230                 235                 240

Ser Lys Glu Glu Trp Phe Ile Ser Val Leu Ile Phe Cys Pro Glu
                245                 250                 255
```

<210> 1906
<211> 142

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1906
Met Ala Thr Gln Val Glu Pro Leu Leu Pro Gly Gly Ala Thr Leu Leu
1   5   10   15

Gln Ala Glu Glu His Gly Gly Leu Val Arg Lys Lys Pro Pro Pro Ala
            20   25   30

Pro Glu Gly Lys Gly Glu Pro Gly Pro Asn Asp Val Arg Gly Gly Glu
        35   40   45

Pro Asp Gly Ser Ala Arg Arg Pro Arg Pro Pro Cys Ala Lys Pro His
    50   55   60

Lys Glu Gly Thr Gly Gln Gln Glu Arg Glu Ser Pro Arg Pro Leu Gln
65   70   75   80

Leu Pro Gly Ala Glu Gly Pro Ala Ile Ser Asp Gly Glu Glu Gly Gly
                85   90   95

Gly Glu Pro Gly Ala Gly Gly Gly Ala Ala Gly Ala Ala Gly Ala Gly
            100   105   110

Arg Arg Asp Phe Val Glu Ala Pro Pro Pro Lys Val Asn Pro Trp Thr
        115   120   125

Lys Asn Ala Leu Pro Pro Val Leu Thr Thr Val Asn Gly Gln
    130   135   140

<210> 1907
<211> 39
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1907
Met Asn Thr Glu Met Tyr Gln Thr Pro Met Glu Val Ala Val Tyr Gln
1   5   10   15

Leu His Asn Phe Ser Ile Ser Phe Phe Ser Ser Leu Leu Gly Gly Asp
            20   25   30

Val Val Ser Val Lys Leu Asp

35

<210> 1908
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1908
Met Asp Gly Pro Thr Arg Gly His Gly Leu Arg Lys Lys Arg Arg Ser
1 5 10 15

Arg Ser Gln Arg Asp Arg Glu Arg Arg Ser Arg Gly Gly Leu Gly Ala
20 25 30

Gly Ala Ala Gly Gly Gly Gly Ala Gly Arg Thr Arg Ala Leu Ser Leu
35 40 45

Ala Ser Ser Ser Gly Ser Asp Lys Glu Asp Asn Gly Lys Pro Pro Ser
50 55 60

Ser Ala Pro Ser Arg Pro Arg Pro Pro Arg Arg Lys Arg Arg Glu Ser
65 70 75 80

Thr Ser Ala Glu Glu Asp Ile Ile Asp Gly Phe Ala Met Thr Ser Phe
85 90 95

Val Thr Phe Glu Ala Leu Glu Lys Asp Val Ala Leu Lys Pro Gln Glu
100 105 110

Arg Val Glu Lys Arg Gln Thr Pro Leu Thr Lys Lys Lys Arg Glu Ala
115 120 125

Leu Thr Asn Gly Leu Ser Phe His Ser Lys Lys Ser Arg Leu Ser His
130 135 140

Pro His His Tyr Ser Ser Asp Arg Glu Asn Asp Arg Asn Leu Cys Gln
145 150 155 160

His Leu Gly Lys Arg Lys Lys Met Pro Lys Ala Leu Arg Gln Leu Lys
165 170 175

Pro Gly Gln Asn Ser Cys Arg Asp Ser Asp Ser Glu Ser Ala Ser Gly
180 185 190

Glu Ser Lys Gly Phe His Arg Ser Ser Ser Arg Glu Arg Leu Ser Asp
195 200 205

Ser Ser Ala Pro Ser Ser Leu Gly Thr Gly Tyr Phe Cys Asp Ser Asp

```
    210                 215                 220

Ser Asp Gln Glu Glu Lys Ala Ser Asp Ala Ser Ser Glu Lys Leu Phe
225                 230                 235                 240

Asn Thr Val Ile Val Asn Lys Asp Pro Glu Leu Gly Val Gly Thr
                245                 250                 255



<210>  1909
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1909
Met Gly Ala Thr Gly Arg Leu Glu Leu Thr Leu Ala Ala Pro Pro His
1               5                   10                  15

Pro Gly Pro Ala Phe Gln Arg Ser Lys Ala Arg Glu Thr Gln Gly Glu
            20                  25                  30

Glu Glu Gly Ser Glu Met Gln Ile Ala Lys Ser Asp Ser Ile His His
        35                  40                  45

Met Ser His Ser Gln Gly Gln Pro Glu Leu Pro Pro Leu Pro Ala Ser
    50                  55                  60

Ala Asn Glu Glu Pro Ser Gly Leu Tyr Gln Thr Val Met Ser His Ser
65                  70                  75                  80

Phe Tyr Pro Pro Leu Met Gln Arg Thr Ser Trp Thr Leu Ala Ala Pro
                85                  90                  95

Phe Lys Glu Gln His His His Arg Gly Pro Ser Asp Ser Ile Ala Asn
            100                 105                 110

Asn Tyr Ser Leu Met Ala Gln Asp Leu Lys Leu Lys Asp Leu Leu Lys
        115                 120                 125

Val Tyr Gln Pro Ala Thr Ile Ser Val Pro Arg Asp Arg Thr Gly Gln
    130                 135                 140

Gly Leu Pro Ser Ser Gly Asn Arg Ser Ser Ser Glu Pro Met Arg Lys
145                 150                 155                 160

Lys Thr Lys Phe Ser Ser Arg Asn Lys Glu Asp Ser Thr Arg Ile Lys
                165                 170                 175

Leu Ala Phe Lys Thr Ser Ile Phe Ser Pro Met Lys Lys Glu Val Lys
```

```
            180                 185                 190

Thr Ser Leu Thr Phe Pro Gly Ser Arg Pro Met Ser Pro Glu Gln Gln
        195                 200                 205

Leu Asp Val Met Leu Gln Gln Glu Met Glu Met Glu Ser Lys Glu Lys
    210                 215                 220

Lys Pro Ser Glu Ser Asp Leu Glu Arg Tyr Tyr Tyr Tyr Leu Thr Asn
225                 230                 235                 240

Gly Ile Arg Lys Asp Met Ile Ala Pro Glu Glu Gly Glu Val Met
                245                 250                 255



<210>  1910
<211>  63
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1910
Met Lys Glu Lys Ser Lys Asn Ala Ala Lys Thr Arg Arg Glu Lys Glu
1               5                   10                  15

Asn Gly Glu Phe Tyr Glu Leu Ala Lys Leu Leu Pro Leu Pro Ser Ala
            20                  25                  30

Ile Thr Ser Gln Leu Asp Lys Ala Ser Ile Ile Arg Leu Thr Thr Ser
        35                  40                  45

Tyr Leu Lys Met Arg Ala Val Phe Pro Glu Gly Leu Gly Asp Ala
    50                  55                  60



<210>  1911
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1911
Met Phe Arg Ala Gly Glu Ala Ser Lys Arg Pro Leu Pro Gly Pro Ser
1               5                   10                  15

Pro Pro Arg Val Arg Ser Val Glu Val Ala Arg Gly Arg Ala Gly Tyr
```

```
            20                  25                  30

Gly Phe Thr Leu Ser Gly Gln Ala Pro Cys Val Leu Ser Cys Val Met
        35                  40                  45

Arg Gly Ser Pro Ala Asp Phe Val Gly Leu Arg Ala Gly Asp Gln Ile
    50                  55                  60

Leu Ala Val Asn Glu Ile Asn Val Lys Lys Ala Ser His Glu Asp Val
65                  70                  75                  80

Val Lys Leu Ile Gly Lys Cys Ser Gly Val Leu His Met Val Ile Ala
                85                  90                  95

Glu Gly Val Gly Arg Phe Glu Ser Cys Ser Ser Asp Glu Glu Gly Gly
            100                 105                 110

Leu Tyr Glu Gly Lys Gly Trp Leu Lys Pro Lys Leu Asp Ser Lys Ala
        115                 120                 125

Leu Gly Ile Asn Arg Ala Glu Arg Val Val Glu Glu Met Gln Ser Gly
    130                 135                 140

Gly Ile Phe Asn Met Ile Phe Glu Asn Pro Ser Leu Cys Ala Ser Asn
145                 150                 155                 160

Ser Glu Pro Leu Lys Leu Lys Gln Arg Ser Leu Ser Glu Ser Ala Ala
                165                 170                 175

Thr Arg Phe Asp Val Gly His Glu Ser Ile Asn Asn Pro Asn Pro Asn
            180                 185                 190

Met Leu Ser Lys Glu Glu Ile Ser Lys Val Ile His Asp Asp Ser Val
        195                 200                 205

Phe Ser Ile Gly Leu Glu Ser His Asp Asp Phe Ala Leu Asp Ala Ser
    210                 215                 220

Ile Leu Asn Val Ala Met Ile Val Gly Tyr Leu Gly Ser Ile Glu Leu
225                 230                 235                 240

Pro Ser Thr Ser Ser Asn Leu Glu Ser Asp Ser Leu Gln Ala Ile
                245                 250                 255



<210>  1912
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>
```

<400> 1912
Met Pro Ser Glu Thr Pro Gln Ala Glu Val Gly Pro Thr Gly Cys Pro
1 5 10 15

His Arg Ser Gly Pro His Ser Ala Lys Gly Ser Leu Glu Lys Gly Ser
20 25 30

Pro Glu Asp Lys Glu Ala Lys Glu Pro Leu Trp Ile Arg Pro Asp Ala
35 40 45

Pro Ser Arg Cys Thr Trp Gln Leu Gly Arg Pro Ala Ser Glu Ser Pro
50 55 60

His His His Thr Ala Pro Ala Lys Ser Pro Lys Ile Leu Pro Asp Ile
65 70 75 80

Leu Lys Lys Ile Gly Asp Thr Pro Met Val Arg Ile Asn Lys Ile Gly
85 90 95

Lys Lys Phe Gly Leu Lys Cys Glu Leu Leu Ala Lys Cys Glu Phe Phe
100 105 110

Asn Ala Gly Gly Ser Val Lys Asp Arg Ile Ser Leu Arg Met Ile Glu
115 120 125

Asp Ala Glu Arg Asp Gly Thr Leu Lys Pro Gly Asp Thr Ile Ile Glu
130 135 140

Pro Thr Ser Gly Asn Thr Gly Ile Gly Leu Ala Leu Ala Ala Ala Val
145 150 155 160

Arg Gly Tyr Arg Cys Ile Ile Val Met Pro Glu Lys Met Ser Ser Glu
165 170 175

Lys Val Asp Val Leu Arg Ala Leu Gly Ala Glu Ile Val Arg Thr Pro
180 185 190

Thr Asn Ala Arg Phe Asp Ser Pro Glu Ser His Val Gly Val Ala Trp
195 200 205

Arg Leu Lys Asn Glu Ile Pro Asn Ser His Ile Leu Asp Gln Tyr Arg
210 215 220

Asn Ala Ser Asn Pro Leu Ala His Tyr Asp Thr Thr Ala Asp Glu Ile
225 230 235 240

Leu Gln Gln Cys Asp Gly Lys Leu Asp Met Leu Val Ala Ser Val
245 250 255

<210> 1913
<211> 43

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1913
Met Gln Asp Gly Arg Lys Gly Gly Ala Tyr Ala Gly Lys Met Glu Ala
1   5   10   15

Thr Thr Ala Gly Val Gly Arg Leu Glu Glu Glu Ala Leu Arg Arg Lys
            20   25   30

Glu Arg Leu Lys Ala Leu Arg Glu Lys Thr Gly
        35   40

<210> 1914
<211> 215
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1914
Met Ser Ser Glu Gln Ser Ala Pro Gly Ala Ser Pro Arg Ala Pro Arg
1   5   10   15

Pro Gly Thr Gln Lys Ser Ser Gly Ala Val Thr Lys Lys Gly Glu Arg
            20   25   30

Ala Ala Lys Glu Lys Pro Ala Thr Val Leu Pro Pro Val Gly Glu Glu
        35   40   45

Glu Pro Lys Ser Pro Glu Glu Tyr Gln Cys Ser Gly Val Leu Glu Thr
    50   55   60

Asp Phe Ala Glu Leu Cys Thr Arg Trp Gly Tyr Thr Asp Phe Pro Lys
65   70   75   80

Val Val Asn Arg Pro Arg Pro His Pro Pro Phe Val Pro Ser Ala Ser
                85   90   95

Leu Ser Glu Lys Ala Thr Leu Asp Asp Pro Arg Leu Ser Gly Ser Cys
            100   105   110

Ser Leu Asn Ser Leu Glu Ser Lys Tyr Val Phe Phe Arg Pro Thr Ile
        115   120   125

Gln Val Glu Leu Glu Gln Glu Asp Ser Lys Ser Val Lys Glu Ile Tyr

```
    130                 135                 140

Ile Arg Gly Trp Lys Val Glu Glu Arg Ile Leu Gly Val Phe Ser Lys
145                 150                 155                 160

Cys Leu Pro Pro Leu Thr Gln Leu Gln Ala Ile Asn Leu Trp Lys Val
                165                 170                 175

Gly Leu Thr Asp Lys Thr Leu Thr Thr Phe Ile Glu Leu Leu Pro Leu
            180                 185                 190

Cys Ser Ser Thr Leu Arg Lys Val Ser Leu Glu Gly Asn Pro Leu Pro
        195                 200                 205

Glu Gln Ser Tyr His Lys Leu
    210                 215
```

<210> 1915
<211> 57
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1915

```
Met Glu Thr Asn Cys Arg Lys Leu Val Ser Ala Cys Val Gln Leu Gly
1               5                   10                  15

Val Gln Pro Ala Ala Val Glu Cys Leu Phe Ser Lys Asp Ser Glu Ile
            20                  25                  30

Lys Lys Val Glu Phe Thr Asp Ser Pro Glu Ser Arg Lys Glu Ala Ala
        35                  40                  45

Ser Ser Lys Phe Phe Pro Arg Gln His
    50                  55
```

<210> 1916
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1916

```
Met Arg Thr Leu Trp Met Ala Leu Cys Ala Leu Ser Arg Leu Trp Pro
```

```
1               5                   10                  15

Gly Ala Gln Ala Gly Cys Ala Glu Ala Gly Arg Cys Cys Pro Gly Arg
            20                  25                  30

Asp Pro Ala Cys Phe Ala Arg Gly Trp Arg Leu Asp Arg Val Tyr Gly
        35                  40                  45

Thr Cys Phe Cys Asp Gln Ala Cys Arg Phe Thr Gly Asp Cys Cys Phe
    50                  55                  60

Asp Tyr Asp Arg Ala Cys Pro Ala Arg Pro Cys Phe Val Gly Glu Trp
65                  70                  75                  80

Ser Pro Trp Ser Gly Cys Ala Asp Gln Cys Lys Pro Thr Thr Arg Val
                85                  90                  95

Arg Arg Arg Ser Val Gln Gln Glu Pro Gln Asn Gly Gly Ala Pro Cys
            100                 105                 110

Pro Pro Leu Glu Glu Arg Ala Gly Cys Leu Glu Tyr Ser Thr Pro Gln
        115                 120                 125

Gly Gln Asp Cys Gly His Thr Tyr Val Pro Ala Phe Ile Thr Thr Ser
    130                 135                 140

Ala Phe Asn Lys Glu Arg Thr Arg Gln Ala Thr Ser Pro His Trp Ser
145                 150                 155                 160

Thr His Thr Glu Asp Ala Gly Tyr Cys Met Glu Phe Lys Thr Glu Ser
                165                 170                 175

Leu Thr Pro His Cys Ala Leu Glu Asn Trp Pro Leu Thr Arg Trp Met
            180                 185                 190

Gln Tyr Leu Arg Glu Gly Tyr Thr Val Cys Val Asp Cys Gln Pro Pro
        195                 200                 205

Ala Met Asn Ser Val Ser Leu Arg Cys Ser Gly Asp Gly Leu Asp Ser
    210                 215                 220

Asp Gly Asn Gln Thr Leu His Trp Gln Ala Ile Gly Asn Pro Arg Cys
225                 230                 235                 240

Gln Gly Thr Trp Lys Lys Val Arg Arg Val Asp Gln Cys Ser Cys
                245                 250                 255
```

<210> 1917
<211> 66
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1917
Met Asp Tyr Leu Thr Thr Phe Thr Glu Lys Ser Gly Arg Leu Leu Arg
1   5   10   15

Gly Thr Ala Asn Arg Leu Leu Gly Phe Gly Gly Gly Gly Glu Ala Arg
            20   25   30

Gln Val Arg Phe Glu Asp Tyr Leu Arg Glu Pro Ala Gln Gly Asp Leu
        35   40   45

Gly Cys Gly Ser Pro Pro His Arg Pro Pro Ala Pro Ser Ser Pro Glu
    50   55   60

Gly Pro
65

<210> 1918
<211> 62
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1918
Met Ala Ala Ala Thr Val Gly Arg Asp Thr Leu Pro Glu His Trp Ser
1   5   10   15

Tyr Gly Val Cys Arg Asp Gly Arg Val Phe Phe Ile Asn Asp Gln Leu
            20   25   30

Arg Cys Thr Thr Trp Leu His Pro Arg Thr Gly Glu Pro Val Asn Ser
        35   40   45

Gly His Met Ile Arg Ser Asp Leu Pro Arg Gly Trp Glu Glu
    50   55   60

<210> 1919
<211> 85
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1919
Met Asp Ser Ala Ala Ala Ala Phe Ala Leu Asp Lys Pro Ala Leu Gly
1   5   10   15

Pro Gly Pro Pro Pro Pro Pro Pro Ala Leu Gly Pro Gly Asp Cys Ala
            20   25   30

Gln Ala Arg Lys Asn Phe Ser Val Ser His Leu Leu Asp Leu Glu Glu
        35   40   45

Val Ala Ala Ala Gly Arg Leu Ala Ala Arg Pro Gly Ala Arg Ala Glu
    50   55   60

Ala Arg Glu Gly Ala Ala Arg Glu Pro Ser Gly Gly Ser Ser Gly Ser
65   70   75   80

Glu Ala Ala Pro Gln
                85

<210> 1920
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1920
Met Ser Val Pro Asp Tyr Met Gln Cys Ala Glu Asp His Gln Thr Leu
1   5   10   15

Leu Val Val Val Gln Pro Val Gly Ile Val Ser Glu Glu Asn Phe Phe
            20   25   30

Arg Ile Tyr Lys Arg Ile Cys Ser Val Ser Gln Ile Ser Val Arg Asp
        35   40   45

Ser Gln Arg Val Leu Tyr Ile Arg Tyr Arg His His Tyr Pro Pro Glu
    50   55   60

Asn Asn Glu Trp Gly Asp Phe Gln Thr His Arg Lys Val Val Gly Leu
65   70   75   80

Ile Thr Ile Thr Asp Cys Phe Ser Ala Lys Asp Trp Pro Gln Thr Phe
                85   90   95

Glu Lys Phe His Val Gln Lys Glu Ile Tyr Gly Ser Thr Leu Tyr Asp
            100   105   110

Ser Arg Leu Phe Val Phe Gly Leu Gln Gly Glu Ile Val Glu Gln Pro

```
        115                 120                 125

Arg Thr Asp Val Ala Phe Tyr Pro Asn Tyr Glu Asp Cys Gln Thr Val
    130                 135                 140

Glu Lys Arg Ile Glu Asp Phe Ile Glu Ser Leu Phe Ile Val Leu Glu
145                 150                 155                 160

Ser Lys Arg Leu Asp Arg Ala Thr Asp Lys Ser Gly Asp Lys Ile Pro
                165                 170                 175

Leu Leu Cys Val Pro Phe Glu Lys Lys Asp Phe Val Gly Leu Asp Thr
            180                 185                 190

Asp Ser Arg His Tyr Lys Lys Arg Cys Gln Gly Arg Met Arg Lys His
        195                 200                 205

Val Gly Asp Leu Cys Leu Gln Ala Gly Met Leu Gln Asp Ser Leu Val
    210                 215                 220

His Tyr His Met Ser Val Glu Leu Leu Arg Ser Val Asn Asp Phe Leu
225                 230                 235                 240

Trp Leu Gly Ala Ala Leu Glu Gly Leu Cys Ser Ala Ser Val Ile
                245                 250                 255



<210>  1921
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1921
Met Asp His Ala Glu Glu Asn Glu Ile Leu Ala Ala Thr Gln Arg Tyr
1               5                   10                  15

Tyr Val Glu Arg Pro Ile Phe Ser His Pro Val Leu Gln Glu Arg Leu
            20                  25                  30

His Thr Lys Asp Lys Val Pro Asp Ser Ile Ala Asp Lys Leu Lys Gln
        35                  40                  45

Ala Phe Thr Cys Thr Pro Lys Lys Ile Arg Asn Ile Ile Tyr Met Phe
    50                  55                  60

Leu Pro Ile Thr Lys Trp Leu Pro Ala Tyr Lys Phe Lys Glu Tyr Val
65                  70                  75                  80

Leu Gly Asp Leu Val Ser Gly Ile Ser Thr Gly Val Leu Gln Leu Pro
```

```
                85                  90                  95

Gln Gly Leu Ala Phe Ala Met Leu Ala Ala Val Pro Pro Ile Phe Gly
            100                 105                 110

Leu Tyr Ser Ser Phe Tyr Pro Val Ile Met Tyr Cys Phe Leu Gly Thr
        115                 120                 125

Ser Arg His Ile Ser Ile Gly Pro Phe Ala Val Ile Ser Leu Met Ile
    130                 135                 140

Gly Gly Val Ala Val Arg Leu Val Pro Asp Asp Ile Val Ile Pro Gly
145                 150                 155                 160

Gly Val Asn Ala Thr Asn Gly Thr Glu Ala Arg Asp Ala Leu Arg Val
                165                 170                 175

Lys Val Ala Met Ser Val Thr Leu Leu Ser Gly Ile Ile Gln Phe Cys
            180                 185                 190

Leu Gly Val Cys Arg Phe Gly Phe Val Ala Ile Tyr Leu Thr Glu Pro
        195                 200                 205

Leu Val Arg Gly Phe Thr Thr Ala Ala Ala Val His Val Phe Thr Ser
    210                 215                 220

Met Leu Lys Tyr Leu Phe Gly Val Lys Thr Lys Arg Tyr Ser Gly Ile
225                 230                 235                 240

Phe Ser Val Val Tyr Ser Thr Val Ala Val Leu Gln Asn Val Lys
                245                 250                 255



<210>  1922
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1922
Met His Tyr Asp Gly His Val Arg Phe Asp Leu Pro Pro Gln Gly Ser
1               5                   10                  15

Val Leu Ala Arg Asn Val Ser Thr Arg Ser Cys Pro Pro Arg Thr Ser
            20                  25                  30

Pro Ala Val Asp Leu Glu Glu Glu Glu Glu Glu Ser Ser Val Asp Gly
        35                  40                  45

Lys Gly Asp Arg Lys Ser Thr Gly Leu Lys Leu Ser Lys Lys Lys Ala
```

```
    50                  55                  60

Arg Arg Arg His Thr Asp Asp Pro Ser Lys Glu Cys Phe Thr Leu Lys
65                  70                  75                  80

Phe Asp Leu Asn Val Asp Ile Glu Thr Glu Ile Val Pro Ala Met Lys
                85                  90                  95

Lys Lys Ser Leu Gly Glu Val Leu Leu Pro Val Phe Glu Arg Lys Gly
            100                 105                 110

Ile Ala Leu Gly Lys Val Asp Ile Tyr Leu Asp Gln Ser Asn Thr Pro
        115                 120                 125

Leu Ser Leu Thr Phe Glu Ala Tyr Arg Phe Gly Gly His Tyr Leu Arg
    130                 135                 140

Val Lys Ala Pro Ala Lys Pro Gly Asp Glu Gly Lys Val Glu Gln Gly
145                 150                 155                 160

Met Lys Asp Ser Lys Ser Leu Ser Leu Pro Ile Leu Arg Pro Ala Gly
                165                 170                 175

Thr Gly Pro Pro Ala Leu Glu Arg Val Asp Ala Gln Ser Arg Arg Glu
            180                 185                 190

Ser Leu Asp Ile Leu Ala Pro Gly Arg Arg Arg Lys Asn Met Ser Glu
        195                 200                 205

Phe Leu Gly Glu Ala Ser Ile Pro Gly Gln Glu Pro Pro Thr Pro Ser
    210                 215                 220

Ser Cys Ser Leu Pro Ser Gly Ser Ser Gly Ser Thr Asn Thr Gly Asp
225                 230                 235                 240

Ser Trp Lys Asn Arg Ala Ala Ser Arg Phe Ser Gly Phe Phe Ser
                245                 250                 255



<210>  1923
<211>  205
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1923
Met Ala His Ala Gly Arg Thr Gly Tyr Asp Asn Arg Glu Ile Val Met
1               5                   10                  15

Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
```

```
            20                  25                  30

Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
        35                  40                  45

Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
    50                  55                  60

Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
65                  70                  75                  80

Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Thr
                85                  90                  95

Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Arg Asp Phe
            100                 105                 110

Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
        115                 120                 125

Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
    130                 135                 140

Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
145                 150                 155                 160

Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
                165                 170                 175

Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
            180                 185                 190

Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser
        195                 200                 205



<210>  1924
<211>  77
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1924
Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg Gly Lys Pro Glu Ala
1               5                   10                  15

Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser Gly Gln Glu Met Thr
            20                  25                  30

Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser Ser Thr Thr Asp Ala
```

```
        35                  40                  45

Pro Thr Ser Ser Ala Met Met Glu Ile Ala Cys Ala Ala Ala Ala Ala
    50                  55                  60

Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr Ala Glu
65                  70                  75



<210>  1925
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1925
Met Thr Ser Thr Gly Lys Asp Gly Gly Ala Gln His Ala Gln Tyr Val
1               5                   10                  15

Gly Pro Tyr Arg Leu Glu Lys Thr Leu Gly Lys Gly Gln Thr Gly Leu
            20                  25                  30

Val Lys Leu Gly Val His Cys Val Thr Cys Gln Lys Val Ala Ile Lys
        35                  40                  45

Ile Val Asn Arg Glu Lys Leu Ser Glu Ser Val Leu Met Lys Val Glu
    50                  55                  60

Arg Glu Ile Ala Ile Leu Lys Leu Ile Glu His Pro His Val Leu Lys
65                  70                  75                  80

Leu His Asp Val Tyr Glu Asn Lys Lys Tyr Leu Tyr Leu Val Leu Glu
                85                  90                  95

His Val Ser Gly Gly Glu Leu Phe Asp Tyr Leu Val Lys Lys Gly Arg
            100                 105                 110

Leu Thr Pro Lys Glu Ala Arg Lys Phe Phe Arg Gln Ile Ile Ser Ala
        115                 120                 125

Leu Asp Phe Cys His Ser His Ser Ile Cys His Arg Asp Leu Lys Pro
    130                 135                 140

Glu Asn Leu Leu Leu Asp Glu Lys Asn Asn Ile Arg Ile Ala Asp Phe
145                 150                 155                 160

Gly Met Ala Ser Leu Gln Val Gly Asp Ser Leu Leu Glu Thr Ser Cys
                165                 170                 175

Gly Ser Pro His Tyr Ala Cys Pro Glu Val Ile Arg Gly Glu Lys Tyr
```

```
            180                 185                 190

Asp Gly Arg Lys Ala Asp Val Trp Ser Cys Gly Val Ile Leu Phe Ala
        195                 200                 205

Leu Leu Val Gly Ala Leu Pro Phe Asp Asp Asp Asn Leu Arg Gln Leu
    210                 215                 220

Leu Glu Lys Val Lys Arg Gly Val Phe His Met Pro His Phe Ile Pro
225                 230                 235                 240

Pro Asp Cys Gln Ser Leu Leu Arg Gly Met Ile Glu Val Asp Ala
                245                 250                 255



<210>  1926
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1926
Met Met Cys Glu Val Met Pro Thr Ile Ser Glu Asp Gly Arg Arg Gly
1               5                   10                  15

Ser Ala Leu Gly Pro Asp Glu Ala Gly Gly Glu Leu Glu Arg Leu Met
            20                  25                  30

Val Thr Met Leu Thr Glu Arg Glu Arg Leu Leu Glu Thr Leu Arg Glu
        35                  40                  45

Ala Gln Asp Gly Leu Ala Thr Ala Gln Leu Arg Leu Arg Glu Leu Gly
    50                  55                  60

His Glu Lys Asp Ser Leu Gln Arg Gln Leu Ser Ile Ala Leu Pro Gln
65                  70                  75                  80

Glu Phe Ala Ala Leu Thr Lys Glu Leu Asn Leu Cys Arg Glu Gln Leu
                85                  90                  95

Leu Glu Arg Glu Glu Glu Ile Ala Glu Leu Lys Ala Glu Arg Asn Asn
            100                 105                 110

Thr Arg Leu Leu Leu Glu His Leu Glu Cys Leu Val Ser Arg His Glu
        115                 120                 125

Arg Ser Leu Arg Met Thr Val Val Lys Arg Gln Ala Gln Ser Pro Gly
    130                 135                 140

Gly Val Ser Ser Glu Val Glu Val Leu Lys Ala Leu Lys Ser Leu Phe
```

```
145                 150                 155                 160

Glu His His Lys Ala Leu Asp Glu Lys Val Arg Glu Arg Leu Arg Met
                165                 170                 175

Ala Leu Glu Arg Val Ala Val Leu Glu Glu Glu Leu Glu Leu Ser Asn
            180                 185                 190

Gln Glu Thr Leu Asn Leu Arg Glu Gln Leu Ser Arg Arg Arg Ser Gly
        195                 200                 205

Leu Glu Glu Pro Gly Lys Asp Gly Asp Gly Gln Thr Leu Ala Asn Gly
    210                 215                 220

Leu Gly Pro Gly Gly Asp Ser Asn Arg Arg Thr Ala Glu Leu Glu Glu
225                 230                 235                 240

Ala Leu Glu Arg Gln Arg Ala Glu Val Cys Gln Leu Arg Glu Arg
                245                 250                 255



<210>  1927
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1927
Met Pro Pro Pro Arg Leu Leu Phe Phe Leu Leu Phe Leu Thr Pro Met
1               5                   10                  15

Glu Val Arg Pro Glu Glu Pro Leu Val Val Lys Val Glu Glu Gly Asp
            20                  25                  30

Asn Ala Val Leu Gln Cys Leu Lys Gly Thr Ser Asp Gly Pro Thr Gln
        35                  40                  45

Gln Leu Thr Trp Ser Arg Glu Ser Pro Leu Lys Pro Phe Leu Lys Leu
    50                  55                  60

Ser Leu Gly Leu Pro Gly Leu Gly Ile His Met Arg Pro Leu Ala Ile
65                  70                  75                  80

Trp Leu Phe Ile Phe Asn Val Ser Gln Gln Met Gly Gly Phe Tyr Leu
                85                  90                  95

Cys Gln Pro Gly Pro Pro Ser Glu Lys Ala Trp Gln Pro Gly Trp Thr
            100                 105                 110

Val Asn Val Glu Gly Ser Gly Glu Leu Phe Arg Trp Asn Val Ser Asp
```

```
        115                 120                 125

Leu Gly Gly Leu Gly Cys Gly Leu Lys Asn Arg Ser Ser Glu Gly Pro
    130                 135                 140

Ser Ser Pro Ser Gly Lys Leu Met Ser Pro Lys Leu Tyr Val Trp Ala
145                 150                 155                 160

Lys Asp Arg Pro Glu Ile Trp Glu Gly Glu Pro Pro Cys Leu Pro Pro
                165                 170                 175

Arg Asp Ser Leu Asn Gln Ser Leu Ser Gln Asp Leu Thr Met Ala Pro
            180                 185                 190

Gly Ser Thr Leu Trp Leu Ser Cys Gly Val Pro Pro Asp Ser Val Ser
        195                 200                 205

Arg Gly Pro Leu Ser Trp Thr His Val His Pro Lys Gly Pro Lys Ser
    210                 215                 220

Leu Leu Ser Leu Glu Leu Lys Asp Asp Arg Pro Ala Arg Asp Met Trp
225                 230                 235                 240

Val Met Glu Thr Gly Leu Leu Leu Pro Arg Ala Thr Ala Gln Asp
                245                 250                 255



<210>  1928
<211>  174
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1928
Met Val Ala Gly Met Leu Met Pro Arg Asp Gln Leu Arg Ala Ile Tyr
1               5                   10                  15

Glu Val Leu Phe Arg Glu Gly Val Met Val Ala Lys Lys Asp Arg Arg
            20                  25                  30

Pro Arg Ser Leu His Pro His Val Pro Gly Val Thr Asn Leu Gln Val
        35                  40                  45

Met Arg Ala Met Ala Ser Leu Arg Ala Arg Gly Leu Val Arg Glu Thr
    50                  55                  60

Phe Ala Trp Cys His Phe Tyr Trp Tyr Leu Thr Asn Glu Gly Ile Ala
65                  70                  75                  80

His Leu Arg Gln Tyr Leu His Leu Pro Pro Glu Ile Val Pro Ala Ser
```

```
                85                  90                  95

Leu Gln Arg Val Arg Arg Pro Val Ala Met Val Met Pro Ala Arg Arg
            100                 105                 110

Thr Pro His Val Gln Ala Val Gln Gly Pro Leu Gly Ser Pro Pro Lys
        115                 120                 125

Arg Gly Pro Leu Pro Thr Glu Glu Gln Arg Val Tyr Arg Arg Lys Glu
    130                 135                 140

Leu Glu Glu Val Ser Pro Glu Thr Pro Val Val Pro Ala Thr Thr Gln
145                 150                 155                 160

Arg Thr Leu Ala Arg Pro Gly Pro Glu Pro Ala Pro Ala Thr
                165                 170



<210>  1929
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1929
Met Gly Asn Gly Val Lys Glu Gly Pro Val Arg Leu His Glu Asp Ala
1               5                   10                  15

Glu Ala Val Leu Ser Ser Ser Val Ser Ser Lys Arg Asp His Arg Gln
            20                  25                  30

Val Leu Ser Ser Leu Leu Ser Gly Ala Leu Ala Gly Ala Leu Ala Lys
        35                  40                  45

Thr Ala Val Ala Pro Leu Asp Arg Thr Lys Ile Ile Phe Gln Val Ser
    50                  55                  60

Ser Lys Arg Phe Ser Ala Lys Glu Ala Phe Arg Val Leu Tyr Tyr Thr
65                  70                  75                  80

Tyr Leu Asn Glu Gly Phe Leu Ser Leu Trp Arg Gly Asn Ser Ala Thr
                85                  90                  95

Met Val Arg Val Val Pro Tyr Ala Ala Ile Gln Phe Ser Ala His Glu
            100                 105                 110

Glu Tyr Lys Arg Ile Leu Gly Ser Tyr Tyr Gly Phe Arg Gly Glu Ala
        115                 120                 125

Leu Pro Pro Trp Pro Arg Leu Phe Ala Gly Ala Leu Ala Gly Thr Thr
```

```
    130                 135                 140

Ala Ala Ser Leu Thr Tyr Pro Leu Asp Leu Val Arg Ala Arg Met Ala
145                 150                 155                 160

Val Thr Pro Lys Glu Met Tyr Ser Asn Ile Phe His Val Phe Ile Arg
                165                 170                 175

Ile Ser Arg Glu Glu Gly Leu Lys Thr Leu Tyr His Gly Phe Met Pro
            180                 185                 190

Thr Val Leu Gly Val Ile Pro Tyr Ala Gly Leu Ser Phe Phe Thr Tyr
        195                 200                 205

Glu Thr Leu Lys Ser Leu His Arg Glu Tyr Ser Gly Arg Arg Gln Pro
    210                 215                 220

Tyr Pro Phe Glu Arg Met Ile Phe Gly Ala Cys Ala Gly Leu Ile Gly
225                 230                 235                 240

Gln Ser Ala Ser Tyr Pro Leu Asp Val Val Arg Arg Arg Met Gln
                245                 250                 255



<210>  1930
<211>  87
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1930
Met Ala Gly Gly Gly Ser Asp Leu Ser Thr Arg Gly Leu Asn Gly Gly
1               5                   10                  15

Val Ser Gln Val Ala Asn Glu Met Asn His Leu Pro Ala His Ser Gln
            20                  25                  30

Ser Leu Gln Arg Leu Phe Thr Glu Asp Gln Asp Val Asp Glu Gly Leu
        35                  40                  45

Val Tyr Asp Thr Val Phe Lys His Phe Lys Arg His Lys Leu Glu Ile
    50                  55                  60

Ser Asn Ala Ile Lys Lys Thr Phe Pro Phe Leu Glu Gly Leu Arg Asp
65                  70                  75                  80

Arg Glu Leu Ile Thr Asn Lys
                85
```

<210> 1931
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1931
Met Glu Arg Arg Arg Leu Trp Gly Ser Ile Gln Ser Arg Tyr Ile Ser
1   5   10   15

Met Ser Val Trp Thr Ser Pro Arg Arg Leu Val Glu Leu Ala Gly Gln
            20   25   30

Ser Leu Leu Lys Asp Glu Ala Leu Ala Ile Ala Ala Leu Glu Leu Leu
        35   40   45

Pro Arg Glu Leu Phe Pro Pro Leu Phe Met Ala Ala Phe Asp Gly Arg
    50   55   60

His Ser Gln Thr Leu Lys Ala Met Val Gln Ala Trp Pro Phe Thr Cys
65   70   75   80

Leu Pro Leu Gly Val Leu Met Lys Gly Gln His Leu His Leu Glu Thr
                85   90   95

Phe Lys Ala Val Leu Asp Gly Leu Asp Val Leu Leu Ala Gln Glu Val
            100   105   110

Arg Pro Arg Arg Trp Lys Leu Gln Val Leu Asp Leu Arg Lys Asn Ser
        115   120   125

His Gln Asp Phe Trp Thr Val Trp Ser Gly Asn Arg Ala Ser Leu Tyr
    130   135   140

Ser Phe Pro Glu Pro Glu Ala Ala Gln Pro Met Thr Lys Lys Arg Lys
145   150   155   160

Val Asp Gly Leu Ser Thr Glu Ala Glu Gln Pro Phe Ile Pro Val Glu
                165   170   175

Val Leu Val Asp Leu Phe Leu Lys Glu Gly Ala Cys Asp Glu Leu Phe
            180   185   190

Ser Tyr Leu Ile Glu Lys Val Lys Arg Lys Lys Asn Val Leu Arg Leu
        195   200   205

Cys Cys Lys Lys Leu Lys Ile Phe Ala Met Pro Met Gln Asp Ile Lys
    210   215   220

Met Ile Leu Lys Met Val Gln Leu Asp Ser Ile Glu Asp Leu Glu Val

225 230 235 240

Thr Cys Thr Trp Lys Leu Pro Thr Leu Ala Lys Phe Ser Pro Tyr
245 250 255

<210> 1932
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1932
Met Ala Val Glu Asp Glu Gly Leu Arg Val Phe Gln Ser Val Lys Ile
1 5 10 15

Lys Ile Gly Glu Ala Lys Asn Leu Pro Ser Tyr Pro Gly Pro Ser Lys
20 25 30

Met Arg Asp Cys Tyr Cys Thr Val Asn Leu Asp Gln Glu Glu Val Phe
35 40 45

Arg Thr Lys Ile Val Glu Lys Ser Leu Cys Pro Phe Tyr Gly Glu Asp
50 55 60

Phe Tyr Cys Glu Ile Pro Arg Ser Phe Arg His Leu Ser Phe Tyr Ile
65 70 75 80

Phe Asp Arg Asp Val Phe Arg Arg Asp Ser Ile Ile Gly Lys Val Ala
85 90 95

Ile Gln Lys Glu Asp Leu Gln Lys Tyr His Asn Arg Asp Thr Trp Phe
100 105 110

Gln Leu Gln His Val Asp Ala Asp Ser Glu Val Gln Gly Lys Val His
115 120 125

Leu Glu Leu Arg Leu Ser Glu Val Ile Thr Asp Thr Gly Val Val Cys
130 135 140

His Lys Leu Ala Thr Arg Ile Val Glu Cys Gln Gly Leu Pro Ile Val
145 150 155 160

Asn Gly Gln Cys Asp Pro Tyr Ala Thr Val Thr Leu Ala Gly Pro Phe
165 170 175

Arg Ser Glu Ala Lys Lys Thr Lys Val Lys Arg Lys Thr Asn Asn Pro
180 185 190

Gln Phe Asp Glu Val Phe Tyr Phe Glu Val Thr Arg Pro Cys Ser Tyr

```
        195                 200                 205

Ser Lys Lys Ser His Phe Asp Phe Glu Glu Glu Asp Val Asp Lys Leu
    210                 215                 220

Glu Ile Arg Val Asp Leu Trp Asn Ala Ser Asn Leu Lys Phe Gly Asp
225                 230                 235                 240

Glu Phe Leu Gly Glu Leu Arg Ile Pro Leu Lys Val Leu Arg Gln
                245                 250                 255



<210>  1933
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1933
Met Pro Ala Val Ser Lys Gly Asp Gly Met Arg Gly Leu Ala Val Phe
1               5                   10                  15

Ile Ser Asp Ile Arg Asn Cys Lys Ser Lys Glu Ala Glu Ile Lys Arg
            20                  25                  30

Ile Asn Lys Glu Leu Ala Asn Ile Arg Ser Lys Phe Lys Gly Asp Lys
        35                  40                  45

Ala Leu Asp Gly Tyr Ser Lys Lys Lys Tyr Val Cys Lys Leu Leu Phe
    50                  55                  60

Ile Phe Leu Leu Gly His Asp Ile Asp Phe Gly His Met Glu Ala Val
65                  70                  75                  80

Asn Leu Leu Ser Ser Asn Lys Tyr Thr Glu Lys Gln Ile Gly Tyr Leu
                85                  90                  95

Phe Ile Ser Val Leu Val Asn Ser Asn Ser Glu Leu Ile Arg Leu Ile
            100                 105                 110

Asn Asn Ala Ile Lys Asn Asp Leu Ala Ser Arg Asn Pro Thr Phe Met
        115                 120                 125

Cys Leu Ala Leu His Cys Ile Ala Asn Val Gly Ser Arg Glu Met Gly
    130                 135                 140

Glu Ala Phe Ala Ala Asp Ile Pro Arg Ile Leu Val Ala Gly Asp Ser
145                 150                 155                 160

Met Asp Ser Val Lys Gln Ser Ala Ala Leu Cys Leu Leu Arg Leu Tyr
```

```
                165                 170                 175

Lys Ala Ser Pro Asp Leu Val Pro Met Gly Glu Trp Thr Ala Arg Val
            180                 185                 190

Val His Leu Leu Asn Asp Gln His Met Gly Val Val Thr Ala Ala Val
        195                 200                 205

Ser Leu Ile Thr Cys Leu Cys Lys Lys Asn Pro Asp Asp Phe Lys Thr
    210                 215                 220

Cys Val Ser Leu Ala Val Ser Arg Leu Ser Arg Ile Val Ser Ser Ala
225                 230                 235                 240

Ser Thr Asp Leu Gln Asp Tyr Thr Tyr Tyr Phe Val Pro Ala Pro
                245                 250                 255



<210>  1934
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1934
Met Ala Gly Ala Leu Arg Arg Gly Arg Ala Leu Gly Ser Arg Pro Ser
1               5                   10                  15

Gly Pro Thr Val Ser Ser Arg Arg Ser Pro Gln Cys Pro Val Ala Gln
            20                  25                  30

Glu Gly Leu Gly Ala Arg Ser Arg Pro Arg Val Ala Pro Arg Ser Leu
        35                  40                  45

Ala Arg Cys Gly Pro Ser Ser Arg Leu Met Gly Trp Lys Pro Ser Glu
    50                  55                  60

Ala Arg Gly Gln Ser Gln Ser Phe Gln Ala Ser Gly Leu Gln Pro Arg
65                  70                  75                  80

Ser Leu Lys Ala Ala Arg Arg Ala Thr Gly Arg Pro Asp Arg Ser Arg
                85                  90                  95

Ala Ala Pro Pro Asn Met Asp Pro Asp Pro Gln Ala Gly Val Gln Val
            100                 105                 110

Gly Met Arg Val Val Arg Gly Val Asp Trp Lys Trp Gly Gln Gln Asp
        115                 120                 125

Gly Gly Glu Gly Gly Val Gly Thr Val Val Glu Leu Gly Arg His Gly
```

```
    130                 135                 140

Ser Pro Ser Thr Pro Asp Arg Thr Val Val Val Gln Trp Asp Gln Gly
145                 150                 155                 160

Thr Arg Thr Asn Tyr Arg Ala Gly Tyr Gln Gly Ala His Asp Leu Leu
                165                 170                 175

Leu Tyr Asp Asn Ala Gln Ile Gly Val Arg His Pro Asn Ile Ile Cys
            180                 185                 190

Asp Cys Cys Lys Lys His Gly Leu Arg Gly Met Arg Trp Lys Cys Arg
        195                 200                 205

Val Cys Leu Asp Tyr Asp Leu Cys Thr Gln Cys Tyr Met His Asn Lys
    210                 215                 220

His Glu Leu Ala His Ala Phe Asp Arg Tyr Glu Thr Ala His Ser Arg
225                 230                 235                 240

Pro Val Thr Leu Ser Pro Arg Gln Gly Leu Pro Arg Ile Pro Leu
                245                 250                 255



<210>  1935
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1935
Met Ala Gly Gly Val Trp Gly Arg Ser Arg Ala Arg Glu Ala Pro Val
1               5                   10                  15

Gly Ala Leu Thr Leu Thr Ala Leu Thr Glu Gly Ile Arg Ala Arg Gln
            20                  25                  30

Gly Gln Pro Gln Gly Pro Pro Ser Ala Gly Pro Gln Pro Lys Ser Trp
        35                  40                  45

Glu Val Lys Pro Glu Ala Glu Pro Gln Thr Gln Ala Leu Thr Ala Pro
    50                  55                  60

Ser Glu Ala Glu Pro Gly Arg Gly Ala Thr Val Pro Glu Ala Gly Ser
65                  70                  75                  80

Glu Pro Cys Ser Leu Asn Ser Ala Leu Glu Pro Ala Pro Glu Gly Pro
                85                  90                  95

His Gln Val Pro Gln Ser Ser Trp Glu Glu Gly Val Leu Ala Asp Leu
```

```
            100                 105                 110

Ala Leu Tyr Thr Ala Ala Cys Leu Glu Glu Ala Gly Phe Ala Gly Thr
        115                 120                 125

Gln Ala Thr Val Leu Thr Leu Ser Ser Ala Leu Glu Ala Arg Gly Glu
    130                 135                 140

Arg Leu Glu Asp Gln Val His Ala Leu Val Arg Gly Leu Leu Ala Gln
145                 150                 155                 160

Val Pro Ser Leu Ala Glu Gly Arg Pro Trp Arg Ala Ala Leu Arg Val
                165                 170                 175

Leu Ser Ala Leu Ala Leu Glu His Ala Arg Asp Val Val Cys Ala Leu
            180                 185                 190

Leu Pro Arg Ser Leu Pro Ala Asp Arg Val Ala Ala Glu Leu Trp Arg
        195                 200                 205

Ser Leu Ser Arg Asn Gln Arg Val Asn Gly Gln Val Leu Val Gln Leu
    210                 215                 220

Leu Trp Ala Leu Lys Gly Ala Ser Gly Pro Glu Pro Gln Ala Leu Ala
225                 230                 235                 240

Ala Thr Arg Ala Leu Gly Glu Met Leu Ala Val Ser Gly Cys Val
                245                 250                 255



<210>  1936
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1936
Met Leu Val Ile Trp Ile Leu Thr Leu Ala Leu Arg Leu Cys Ala Ser
1               5                   10                  15

Val Thr Thr Val Thr Pro Gly Ser Thr Val Asn Thr Ser Ile Gly Gly
            20                  25                  30

Asn Thr Thr Ser Ala Ser Thr Pro Ser Ser Ser Asp Pro Phe Thr Thr
        35                  40                  45

Phe Ser Asp Tyr Gly Val Ser Val Thr Phe Ile Thr Gly Ser Thr Ala
    50                  55                  60

Thr Lys His Phe Leu Asp Ser Ser Thr Asn Ser Gly His Ser Glu Glu
```

65 70 75 80

Ser Thr Val Ser His Ser Gly Pro Gly Ala Thr Gly Thr Thr Leu Phe
85 90 95

Pro Ser His Ser Ala Thr Ser Val Phe Val Gly Glu Pro Lys Thr Ser
100 105 110

Pro Ile Thr Ser Ala Ser Met Glu Thr Thr Ala Leu Pro Gly Ser Thr
115 120 125

Thr Thr Ala Gly Leu Ser Glu Lys Ser Thr Thr Phe Tyr Ser Ser Pro
130 135 140

Arg Ser Pro Asp Arg Thr Leu Ser Pro Ala Arg Thr Thr Ser Ser Gly
145 150 155 160

Val Ser Glu Lys Ser Thr Thr Ser His Ser Arg Pro Gly Pro Thr His
165 170 175

Thr Ile Ala Phe Pro Asp Ser Thr Thr Met Pro Gly Val Ser Gln Glu
180 185 190

Ser Thr Ala Ser His Ser Ile Pro Gly Ser Thr Asp Thr Thr Leu Ser
195 200 205

Pro Gly Thr Thr Thr Pro Ser Ser Leu Gly Pro Glu Ser Thr Thr Phe
210 215 220

His Ser Ser Pro Gly Tyr Thr Lys Thr Thr Arg Leu Pro Asp Asn Thr
225 230 235 240

Thr Thr Ser Gly Leu Leu Glu Ala Ser Thr Pro Val His Ser Ser
245 250 255

<210> 1937
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1937
Met Glu Ser Arg Ala Glu Gly Gly Ser Pro Ala Val Phe Asp Trp Phe
1 5 10 15

Phe Glu Ala Ala Cys Pro Ala Ser Leu Gln Glu Asp Pro Pro Ile Leu
20 25 30

Arg Gln Phe Pro Pro Asp Phe Arg Asp Gln Glu Ala Met Gln Met Val

```
        35                  40                  45

Pro Lys Phe Cys Phe Pro Phe Asp Val Glu Arg Glu Pro Pro Ser Pro
    50                  55                  60

Ala Val Gln His Phe Thr Phe Ala Leu Thr Asp Leu Ala Gly Asn Arg
65                  70                  75                  80

Arg Phe Gly Phe Cys Arg Leu Arg Ala Gly Thr Gln Ser Cys Leu Cys
                85                  90                  95

Ile Leu Ser His Leu Pro Trp Phe Glu Val Phe Tyr Lys Leu Leu Asn
            100                 105                 110

Thr Val Gly Asp Leu Leu Ala Gln Asp Gln Val Thr Glu Ala Glu Glu
        115                 120                 125

Leu Leu Gln Asn Leu Phe Gln Gln Ser Leu Ser Gly Pro Gln Ala Ser
    130                 135                 140

Val Gly Leu Glu Leu Gly Ser Gly Val Thr Val Ser Ser Gly Gln Gly
145                 150                 155                 160

Ile Pro Pro Pro Thr Arg Gly Asn Ser Lys Pro Leu Ser Cys Phe Val
                165                 170                 175

Ala Pro Asp Ser Gly Arg Leu Pro Ser Ile Pro Glu Asn Arg Asn Leu
            180                 185                 190

Thr Glu Leu Val Val Ala Val Thr Asp Glu Asn Ile Val Gly Leu Phe
        195                 200                 205

Ala Ala Leu Leu Ala Glu Arg Arg Val Leu Leu Thr Ala Ser Lys Leu
    210                 215                 220

Ser Thr Leu Thr Ser Cys Val His Ala Ser Cys Ala Leu Leu Tyr Pro
225                 230                 235                 240

Met Arg Trp Glu His Val Leu Ile Pro Thr Leu Pro Pro His Leu
                245                 250                 255



<210>  1938
<211>  255
<212>  Protein
<213>  Homo sapiens

<220>
<221>
<223>

<400>   1938
Met Ser Ala Leu Arg Pro Leu Leu Leu Leu Leu Leu Pro Leu Cys Pro
```

```
1               5                   10                  15

Gly Pro Gly Pro Gly Pro Gly Ser Glu Ala Lys Val Thr Arg Ser Cys
            20                  25                  30

Ala Glu Thr Arg Gln Val Leu Gly Ala Arg Gly Tyr Ser Leu Asn Leu
        35                  40                  45

Ile Pro Pro Ala Leu Ile Ser Gly Glu His Leu Arg Val Cys Pro Gln
    50                  55                  60

Glu Tyr Thr Cys Cys Ser Ser Glu Thr Glu Gln Arg Leu Ile Arg Glu
65                  70                  75                  80

Thr Glu Ala Thr Phe Arg Gly Leu Val Glu Asp Ser Gly Ser Phe Leu
                85                  90                  95

Val His Thr Leu Ala Ala Arg His Arg Lys Phe Asp Glu Phe Phe Leu
            100                 105                 110

Glu Met Leu Ser Val Ala Gln His Ser Leu Thr Gln Leu Phe Ser His
        115                 120                 125

Ser Tyr Gly Arg Leu Tyr Ala Gln His Ala Leu Ile Phe Asn Gly Leu
    130                 135                 140

Phe Ser Arg Leu Arg Asp Phe Tyr Gly Glu Ser Gly Glu Gly Leu Asp
145                 150                 155                 160

Asp Thr Leu Ala Asp Phe Trp Ala Gln Leu Leu Glu Arg Val Phe Pro
                165                 170                 175

Leu Leu His Pro Gln Tyr Ser Phe Pro Pro Asp Tyr Leu Leu Cys Leu
            180                 185                 190

Ser Arg Leu Ala Ser Ser Thr Asp Gly Ser Leu Gln Pro Phe Gly Asp
        195                 200                 205

Ser Pro Arg Arg Leu Arg Leu Gln Ile Thr Arg Thr Leu Val Ala Ala
    210                 215                 220

Arg Ala Phe Val Gln Gly Leu Glu Thr Gly Arg Asn Val Val Ser Glu
225                 230                 235                 240

Ala Leu Lys Val Pro Val Ser Glu Gly Cys Ser Gln Ala Leu Met
                245                 250                 255
```

<210> 1939
<211> 255
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1939
Met Asn Gly Val Ala Phe Cys Leu Val Gly Ile Pro Pro Arg Pro Glu
1   5   10   15

Pro Arg Pro Pro Gln Leu Pro Leu Gly Pro Arg Asp Gly Cys Ser Pro
            20   25   30

Arg Arg Pro Phe Pro Trp Gln Gly Pro Arg Thr Leu Leu Leu Tyr Lys
        35   40   45

Ser Pro Gln Asp Gly Phe Gly Phe Thr Leu Arg His Phe Ile Val Tyr
    50   55   60

Pro Pro Glu Ser Ala Val His Cys Ser Leu Lys Glu Glu Glu Asn Gly
65   70   75   80

Gly Arg Gly Gly Gly Pro Ser Pro Arg Tyr Arg Leu Glu Pro Met Asp
                85   90   95

Thr Ile Phe Val Lys Asn Val Lys Glu Asp Gly Pro Ala His Arg Ala
            100   105   110

Gly Leu Arg Thr Gly Asp Arg Leu Val Lys Val Asn Gly Glu Ser Val
        115   120   125

Ile Gly Lys Thr Tyr Ser Gln Val Ile Ala Leu Ile Gln Asn Ser Asp
    130   135   140

Asp Thr Leu Glu Leu Ser Ile Met Pro Lys Asp Glu Asp Ile Leu Gln
145   150   155   160

Leu Ala Tyr Ser Gln Asp Ala Tyr Leu Lys Gly Asn Glu Pro Tyr Ser
                165   170   175

Gly Glu Ala Arg Ser Ile Pro Glu Pro Pro Pro Ile Cys Tyr Pro Arg
            180   185   190

Lys Thr Tyr Ala Pro Pro Ala Arg Ala Ser Thr Arg Ala Thr Met Val
        195   200   205

Pro Glu Pro Thr Ser Ala Leu Pro Ser Asp Pro Arg Ser Pro Ala Ala
    210   215   220

Trp Ser Asp Pro Gly Leu Arg Val Pro Pro Ala Ala Arg Ala His Leu
225   230   235   240

Asp Asn Ser Ser Leu Gly Met Ser Gln Pro Arg Pro Ser Pro Gly
                245   250   255

<210> 1940
<211> 75
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1940
Met Phe Arg Ala Ala Leu Glu Asp Ser Val Glu Lys Lys Ser Ser Leu
1   5   10   15

Lys Glu Thr Glu Thr Thr Ser Lys Gly Thr Ser Lys Tyr Asp Arg Glu
            20   25   30

Arg Glu Thr Glu Met Lys Thr Val Met Gly Met Lys Met His Phe Trp
        35   40   45

Val Arg Thr Pro Ala Ser Gly Arg Gly Arg Gly Gly Ser Asp His Ala
    50   55   60

Arg Ser Arg Ala Ala Pro Leu Pro Leu Leu Ala
65   70   75

<210> 1941
<211> 167
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1941
Met Asp Arg Gly Arg Pro Ala Gly Ser Pro Leu Ser Ala Ser Ala Glu
1   5   10   15

Pro Ala Pro Leu Ala Ala Ala Ile Arg Asp Ser Arg Pro Gly Arg Thr
            20   25   30

Gly Pro Gly Pro Ala Gly Pro Gly Gly Gly Ser Arg Ser Gly Ser Gly
        35   40   45

Arg Pro Ala Ala Ala Asn Ala Ala Arg Glu Arg Ser Arg Val Gln Thr
    50   55   60

Leu Arg His Ala Phe Leu Glu Leu Gln Arg Thr Leu Pro Ser Val Pro
65   70   75   80

Pro Asp Thr Lys Leu Ser Lys Leu Asp Val Leu Leu Leu Ala Thr Thr

```
                85                  90                  95

Tyr Ile Ala His Leu Thr Arg Ser Leu Gln Asp Asp Ala Glu Ala Pro
            100                 105                 110

Ala Asp Ala Gly Leu Gly Ala Leu Arg Gly Asp Gly Tyr Leu His Pro
        115                 120                 125

Val Lys Lys Trp Pro Met Arg Ser Arg Leu Tyr Ile Gly Ala Thr Gly
    130                 135                 140

Gln Phe Leu Lys His Ser Val Ser Gly Glu Lys Thr Asn His Asp Asn
145                 150                 155                 160

Thr Pro Thr Asp Ser Gln Pro
                165
```

<210> 1942
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1942

```
Met Ala Glu Lys Leu Gln Glu Ala Asn Phe Leu Leu Glu Asp Ile
1               5                   10                  15
```

<210> 1943
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1943

```
Gln Tyr Ser His Ile Ala Asp Lys Val Ser Glu Val Pro Ala Asn
1               5                   10                  15
```

<210> 1944
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1944
Phe Leu Lys Lys Ser Ser Ala Val Thr Val Phe Lys Leu Arg Arg
1   5   10   15

<210> 1945
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1945
Pro Lys Leu Lys Tyr Ile Pro Leu Lys Phe Ser Phe Thr Ala Ala
1   5   10   15

<210> 1946
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1946
Glu His Leu His Thr Val Asn Pro Met Met Leu Arg Leu Lys Glu
1   5   10   15

<210> 1947
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1947
Val Ser Asp Phe Leu Ile Gln Thr Phe Lys Val Phe Gln Lys Asn
1   5   10   15

<210> 1948
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1948
Asp Asn Thr Ala Glu Gln Asn Ile Ala Ala Phe Leu Lys Glu Asn
1   5   10   15

<210> 1949
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1949
Val Asn Pro Met Met Leu Arg Leu Lys Glu Leu Trp Phe Ala Glu
1   5   10   15

<210> 1950
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1950
Lys Thr Ser Leu Thr Phe Pro Gly Ser Arg Pro Met Ser Pro Glu
1   5   10   15

<210> 1951
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1951
Ile Glu Glu Tyr Phe Ala Ser Val Ala Ser Phe Met Ser Leu Gln
1   5   10   15

<210> 1952
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1952
Asn Glu Ile Ala Ser Met Asn Ile Thr Val Pro Leu Ala Met Phe
1   5   10   15

<210> 1953
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1953
Asn Pro Lys Leu Thr Leu Gly Leu Ile Trp Thr Ile Ile Leu His
1   5   10   15

<210> 1954
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1954
Phe Thr Lys Trp Ile Asn Gln His Leu Met Lys Val Arg Lys His
1   5   10   15

<210> 1955
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1955
Glu Arg Asp Lys Val Gln Lys Lys Thr Phe Thr Lys Trp Ile Asn
1   5   10   15

<210> 1956
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1956
Ile Ser Leu Leu Glu Val Leu Ser Gly Asp Thr Leu Pro Arg Glu
1   5   10   15

<210> 1957
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1957
Met Ala Gly Tyr Leu Ser Pro Ala Ala Tyr Leu Tyr Val Glu Glu
1   5   10   15

<210> 1958
<211> 14
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1958
Met Ala Gly Tyr Leu Ser Pro Ala Ala Tyr Leu Tyr Val Glu

1 5 10

<210> 1959
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1959
Ala Asp Val Ser Gln Tyr Pro Val Asn His Leu Val Thr Phe Cys
1 5 10 15

<210> 1960
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1960
Glu Val Asp Ile Leu Asn His Val Phe Asp Asp Val Glu Ser Phe
1 5 10 15

<210> 1961
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1961
Met Ser Thr Ala Thr Gly Pro Glu Ala Ala Pro Lys Pro Ser Ala
1 5 10 15

<210> 1962
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1962
Ala Gln Pro Asp Val His Phe Phe Gln Gly Leu Arg Leu Gly Ala
1   5   10   15

<210> 1963
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1963
Ile Leu Asn His Val Phe Asp Asp Val Glu Ser Phe Val Ser Arg
1   5   10   15

<210> 1964
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1964
Val Ser Gln Tyr Pro Val Asn His Leu Val Thr Phe Cys Leu Gly
1   5   10   15

<210> 1965
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1965
Pro Ala Ser Lys Glu Glu Leu Glu Ser Tyr Pro Leu Gly Ala Ile
1   5   10   15

<210> 1966
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1966
Glu Pro Glu Arg Ala Gln Pro Asp Val His Phe Phe Gln Gly Leu
1   5   10   15

<210> 1967
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1967
Val Glu Asp Leu Leu Phe Ser Gly Ser Arg Phe Val Trp Asn Leu
1   5   10   15

<210> 1968
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1968
Leu Leu Asp Leu Val Ala Ser His Phe Asn Leu Lys Glu Lys Glu
1   5   10   15

<210> 1969
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1969
Thr Val Ser Thr Leu Arg Arg Trp Tyr Thr Glu Arg Leu Arg Ala
1   5   10   15

<210> 1970
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1970
Gln Ile Glu Val Glu Ser Glu Thr Ile Phe Lys Leu Ala Ala Phe
1   5   10   15

<210> 1971
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1971
Val Trp Asn Leu Thr Val Ser Thr Leu Arg Arg Trp Tyr Thr Glu
1   5   10   15

<210> 1972
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1972
Ala Val Arg Phe Tyr Ile Glu Ser Ile Ser Phe Leu Lys Asp Lys
1   5   10   15

<210> 1973
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1973
Ala Glu Gly Val Leu Leu Asp Tyr Leu Val Leu Leu Pro Arg Asp
1   5   10   15

<210> 1974
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1974
Ser Arg Ile Ala Met Tyr Glu Leu Leu Ala Asp Ala Asp Ile Gln
1   5   10   15

<210> 1975
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1975
Arg Thr Asn Thr Leu Leu Gly His Leu Ile Ser Lys Ala Gln Arg
1   5   10   15

<210> 1976
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1976
Val Ile His Phe Tyr Gln Ala Ala His Pro Thr Phe Pro Ala Gln

1 5 10 15

<210> 1977
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1977
Thr Lys Ala Thr Asn Ile Arg Leu Arg Phe Leu Arg Thr Asn Thr
1 5 10 15

<210> 1978
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1978
Tyr Ala Gln Met Thr Ser Val Gln Asn Asp Val Arg Ile Thr Leu
1 5 10 15

<210> 1979
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1979
Cys Leu Leu Tyr Gln His Leu Pro Val Thr Arg Phe Pro Cys Thr
1 5 10 15

<210> 1980
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1980
Asp Lys Val Ser Ser Tyr Gly Gly Tyr Leu Thr Tyr Gln Ala Lys
1   5   10   15

<210> 1981
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1981
Leu Ser Gly Arg Glu Val Glu Leu His Leu Arg Leu Arg Ile Pro
1   5   10   15

<210> 1982
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1982
Leu His Lys Lys Ser Met Asp Lys Ser Leu Glu Phe Ile Thr Asn
1   5   10   15

<210> 1983
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1983
Asp Gly Tyr Phe Ala Leu Glu Lys Ser Asn Tyr Phe Gly Cys Gln
1   5   10   15

<210> 1984
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1984
Glu Asn Asn Tyr Tyr Phe Pro Asp Leu His His Met Lys Tyr Glu
1   5   10   15

<210> 1985
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1985
Ile Leu Arg Tyr Val Asn Pro Gly Thr Glu Ala Val Ser Gly His
1   5   10   15

<210> 1986
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1986
Ala Asp Pro Phe Ser Ile Thr Pro Gly Ile Trp Val Ala Cys Ile
1   5   10   15

<210> 1987
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1987
Gln Asn Val Ile Leu His Glu His His Ile Phe Leu Gly Ala Thr
1   5   10   15

<210> 1988
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1988
Cys Lys Glu Ala Leu Ala Lys Ser Glu Met Asn Val Asn Met Lys
1   5   10   15

<210> 1989
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1989
Met Asp Arg Ser Ala Met Cys Ala Phe Pro Ile Lys Tyr Val Asn
1   5   10   15

<210> 1990
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1990
Thr Asp Gln Ser Tyr Ile Asp Val Leu Pro Glu Phe Arg Asp Ser
1   5   10   15

<210> 1991
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1991
Leu Asp Ala Gln Thr Phe His Thr Arg Ile Ile Arg Phe Cys Ser
1   5   10   15

<210> 1992
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1992
Ser Asn Asn Phe Ile Tyr Phe Leu Thr Val Gln Arg Glu Thr Leu
1   5   10   15

<210> 1993
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1993
Lys Asp Gly Phe Met Phe Leu Thr Asp Gln Ser Tyr Ile Asp Val
1   5   10   15

<210> 1994
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   1994
Arg Asp Ser Tyr Pro Ile Lys Tyr Val His Ala Phe Glu Ser Asn

1 5 10 15

<210> 1995
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1995
Gln Lys Val Ala Glu Tyr Lys Thr Gly Pro Val Leu Glu His Pro
1 5 10 15

<210> 1996
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1996
Cys Ser Ser Lys Ala Asn Leu Ser Gly Gly Val Trp Lys Asp Asn
1 5 10 15

<210> 1997
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1997
Arg Asp Glu Tyr Arg Thr Glu Phe Thr Thr Ala Leu Gln Arg Val
1 5 10 15

<210> 1998
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1998
Thr Ile Asn Ser Ser Tyr Phe Pro Asp His Pro Leu His Ser Ile
1   5   10   15

<210> 1999
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 1999
Pro Met Asp Arg Ser Ala Met Cys Ala Phe Pro Ile Lys Tyr Val
1   5   10   15

<210> 2000
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2000
Gly Ala Ser Gly Ile Val Glu Val Leu Thr Glu Val Pro Asn Ile
1   5   10   15

<210> 2001
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2001
Gln Gly Phe Thr Leu Leu His His Ala Ser Leu Lys Gly His Ala
1   5   10   15

<210> 2002
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2002
Glu Asn Lys Ser Ser Leu Ser Val Ala Leu Asp Lys Leu Arg Ala
1   5   10   15

<210> 2003
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2003
Gln Val Ala Ala Tyr Leu Gly Gln Val Glu Leu Ile Arg Leu Leu
1   5   10   15

<210> 2004
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2004
Thr Ala Leu His Leu Ala Ala Leu Asn Asn His Arg Glu Val Ala
1   5   10   15

<210> 2005
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2005
Cys Val Gly Glu Ala Ala Gly Gly Phe Tyr Tyr Lys Asp His Leu
1   5   10   15

<210> 2006
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2006
Leu Gln Arg Arg Val Ser Ala Asp Ser Gln Pro Phe Gln His Gly
1   5   10   15

<210> 2007
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2007
Gly Asn Leu Arg Val Ala Val Ala Gly Gln Arg Trp Thr Phe Ser
1   5   10   15

<210> 2008
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2008
Glu Asp Gly Phe Thr Ala Leu His Leu Ala Ala Leu Asn Asn His
1   5   10   15

<210> 2009
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2009
Gly Gly Phe Tyr Tyr Lys Asp His Leu Pro Arg Leu Gly Lys Pro
1   5   10   15

<210> 2010
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2010
Asp Ser Cys Tyr Gln Phe Asn Phe Gln Ser Thr Leu Ser Trp Arg
1   5   10   15

<210> 2011
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2011
Thr Asp Gly Ser Ile Ile Asn Phe Ile Ser Trp Ala Pro Gly Lys
1   5   10   15

<210> 2012
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2012
Arg Asp Cys Ser Ile Ala Leu Pro Tyr Val Cys Lys Lys Lys Pro

1 5 10 15

<210> 2013
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2013
Glu Trp Leu Arg Phe Gln Glu Ala Glu Tyr Lys Phe Phe Glu His
1 5 10 15

<210> 2014
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2014
Ser Gly Asp Glu Val Met Tyr Thr His Trp Asn Arg Asp Gln Pro
1 5 10 15

<210> 2015
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2015
Arg Phe Glu Gln Ala Phe Val Ser Ser Leu Ile Tyr Asn Trp Glu
1 5 10 15

<210> 2016
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2016
Gly Trp Thr Trp His Ser Pro Ser Cys Tyr Trp Leu Gly Glu Asp
1   5   10   15

<210> 2017
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2017
Thr Asn Arg Phe Glu Gln Ala Phe Val Ser Ser Leu Ile Tyr Asn
1   5   10   15

<210> 2018
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2018
Gln Gly Arg Arg Glu Trp Leu Arg Phe Gln Glu Ala Glu Tyr Lys
1   5   10   15

<210> 2019
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2019
Leu Cys Ala Leu Pro Tyr His Glu Val Tyr Thr Ile Gln Gly Asn
1   5   10   15

<210> 2020
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2020
Cys Pro Ile Lys Ser Asn Asp Cys Glu Thr Phe Trp Asp Lys Asp
1   5   10   15

<210> 2021
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2021
Gly Gly Cys Val Ala Leu Ala Thr Gly Ser Ala Met Gly Leu Trp
1   5   10   15

<210> 2022
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2022
Glu Gly Glu Tyr Phe Trp Thr Ala Leu Gln Asp Leu Asn Ser Thr
1   5   10   15

<210> 2023
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2023
Pro Asp Glu Leu Leu Pro Gln Ala Ile Glu Phe Val Asn Gln Tyr
1   5   10   15

<210> 2024
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2024
Ser Lys Ser Cys Leu Gly Ser Ile Met Thr Pro Lys Ser Leu Thr
1   5   10   15

<210> 2025
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2025
Val Lys Leu Asp Ala Thr Pro Leu Ser Ser Pro Arg His Val Arg
1   5   10   15

<210> 2026
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2026
Ile Gly Arg Ile Gln Trp Ser Asn Leu Gln Val Phe Asp Ala Arg
1   5   10   15

<210> 2027
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2027
Ala Ile Glu Phe Val Asn Gln Tyr Tyr Gly Ser Phe Lys Glu Ala
1   5   10   15

<210> 2028
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2028
Thr Lys Glu Ile Glu Thr Thr Gly Thr Tyr Gln Leu Thr Gly Asp
1   5   10   15

<210> 2029
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2029
Met Ala Cys Pro Trp Lys Phe Leu Phe Lys Thr Lys
1   5   10

<210> 2030
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2030
Arg Pro Arg Ser Leu His Pro His Val Pro Gly Val Thr Asn Leu

1 5 10 15

<210> 2031
<211> 12
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2031
Met Val Ala Gly Met Leu Met Pro Arg Asp Gln Leu
1 5 10

<210> 2032
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2032
His Leu Arg Gln Tyr Leu His Leu Pro Pro Glu Ile Val Pro Ala
1 5 10 15

<210> 2033
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2033
Arg Glu Thr Phe Ala Trp Cys His Phe Tyr Trp Tyr Leu Thr Asn
1 5 10 15

<210> 2034
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2034
Lys Lys Lys Ser Leu Gly Glu Val Leu Leu Pro Val Phe Glu Arg
1   5   10   15

<210> 2035
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2035
Leu Trp Ala Ser Val Met Ala Pro Val Leu Glu Lys Ala Arg Arg
1   5   10   15

<210> 2036
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2036
Leu His Thr Glu Ala Ser Tyr Ile Arg Lys Leu Arg Val Ile Ile
1   5   10   15

<210> 2037
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2037
Ser Leu Gly Glu Val Leu Leu Pro Val Phe Glu Arg Lys Gly Ile
1   5   10   15

<210> 2038
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2038
Trp Lys Asn Arg Ala Ala Ser Arg Phe Ser Gly Phe Phe Ser Ser
1   5   10   15

<210> 2039
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2039
Lys Asn Met Ser Glu Phe Leu Gly Glu Ala Ser Ile Pro Gly Gln
1   5   10   15

<210> 2040
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2040
Gly Ser Ser Gly Ser Thr Asn Thr Gly Asp Ser Trp Lys Asn Arg
1   5   10   15

<210> 2041
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2041
Thr Phe Glu Ala Tyr Arg Phe Gly Gly His Tyr Leu Arg Val Lys
1   5   10   15

<210> 2042
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2042
Thr His His Thr Leu Trp Met Gly Leu Ala Leu Leu Gly Val Leu
1   5   10   15

<210> 2043
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2043
His Thr Leu Trp Met Gly Leu Ala Leu Leu Gly Val Leu Gly Asp
1   5   10   15

<210> 2044
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2044
Ala Pro Glu Ala Gln Val Ser Val Gln Pro Asn Phe Gln Gln Asp
1   5   10   15

<210> 2045
<211> 12

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2045
Met Ala Thr His His Thr Leu Trp Met Gly Leu Ala
1   5   10

<210> 2046
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2046
Gly Pro Ser Lys Met Arg Asp Cys Tyr Cys Thr Val Asn Leu Asp
1   5   10   15

<210> 2047
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2047
Glu Ile Pro Arg Ser Phe Arg His Leu Ser Phe Tyr Ile Phe Asp
1   5   10   15

<210> 2048
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400>   2048
Arg Tyr Thr Ala Val Ser Ser Phe Ile Phe Leu Arg Phe Phe Ala

1 5 10 15

<210> 2049
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2049
Phe Lys Glu Ser Tyr Met Ala Thr Phe Tyr Glu Phe Phe Asn Glu
1 5 10 15

<210> 2050
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2050
Leu Ser Phe Tyr Ile Phe Asp Arg Asp Val Phe Arg Arg Asp Ser
1 5 10 15

<210> 2051
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2051
Lys Glu Ser Tyr Met Ala Thr Phe Tyr Glu Phe Phe Asn Glu Gln
1 5 10 15

<210> 2052
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2052
Asp Ala Asp Ser Glu Val Gln Gly Lys Val His Leu Glu Leu Arg
1   5   10   15

<210> 2053
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2053
Asp Val Arg Tyr Thr Ala Val Ser Ser Phe Ile Phe Leu Arg Phe
1   5   10   15

<210> 2054
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2054
Asp His Val Phe Ser Ser Asp Tyr Tyr Ser Pro Leu Arg Asp Leu
1   5   10   15

<210> 2055
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2055
Gly Glu Asp Phe Tyr Cys Glu Ile Pro Arg Ser Phe Arg His Leu
1   5   10   15

<210> 2056
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2056
Ser Ser Asp Tyr Tyr Ser Pro Leu Arg Asp Leu Leu Leu Lys Ser
1   5   10   15

<210> 2057
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2057
His Ser Lys Leu Gln Met His His Val Ala Gln Val Leu Arg Glu
1   5   10   15

<210> 2058
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2058
Arg Leu Lys Ser Ile Phe Arg Arg Gly Leu Val Lys Val Ala Gln
1   5   10   15

<210> 2059
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2059
His Pro Thr Met Thr Ala Ala Leu Ile Ser Asn Lys Pro Glu Phe
1   5   10   15

<210> 2060
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2060
Leu Leu Gly Asp Phe Thr Gln Pro Leu Tyr Pro Arg Pro Arg His
1   5   10   15

<210> 2061
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2061
Glu Cys Gly Leu Met Lys Lys Ala Ala Leu Tyr Phe Ser Asp Phe
1   5   10   15

<210> 2062
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2062
Val Gln Leu Lys Glu Phe Val Thr Trp Asp Thr Leu Leu Tyr Leu
1   5   10   15

<210> 2063
<211> 15

<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2063
Met Lys Lys Ala Ala Leu Tyr Phe Ser Asp Phe Trp Asn Lys Leu
1   5   10   15

<210> 2064
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2064
His Val Thr Phe Thr Met Asp Pro Ile Arg Asp Leu Leu Ile Trp
1   5   10   15

<210> 2065
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2065
Ala Ala Leu Tyr Phe Ser Asp Phe Trp Asn Lys Leu Asp Val Gly
1   5   10   15

<210> 2066
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2066
Ser Ala Ala Val Leu Asn Asp Tyr Ser Leu Thr Lys Ser His Glu

1 5 10 15

<210> 2067
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2067
Leu Glu Arg His Val Val Ser Phe Asp Ser Ser Arg Pro Thr Ser
1 5 10 15

<210> 2068
<211> 15
<212> Protein
<213> Homo sapiens

<220>
<221>
<223>

<400> 2068
Leu Asn Asp Tyr Ser Leu Thr Lys Ser His Glu Met Glu Asn Val
1 5 10 15