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 <151> 2009-12-10
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Lys Gly Arg

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Lys Gly Arg

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Cys Ala Arg Gly Gly Asp Phe Asp Tyr
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Arg Asn Asn Gln Arg Pro Ser
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Cys Gln Ser Tyr Asp Ser Ser Leu Ser Gly Ser Trp Val
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Cys Ala Ala Trp Asp Asp Ser Leu Ser Gly Trp Leu
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Cys Ala Ala Trp Asp Asp Ser Leu Asn Gly Trp Leu
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Gln Val Glu Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
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25

30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
 100 105 110

Thr Met Val Ile Val Ser Ser
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 20 25 30

Gly Leu Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Phe Asn Gly Asp Lys Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser
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<210> 36
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Gln Val Glu Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Gly Val Ser Trp Asn Gly Ser Arg Thr His Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Leu Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Gly Asp Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

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Gln Val Glu Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Glu Asp His
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Leu Ile Ser Trp Asp Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser
50 55 60

Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
65 70 75 80

Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
85 90 95

Cys Ala Thr Ser Leu Arg Ala Thr Ala Phe Asp Thr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
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Gln Val Glu Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ser Val Ser Asp Thr Gly Thr Asp Thr His Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Thr Pro Leu Ala Tyr Ser Ser Gly Trp Tyr Tyr Phe Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
Page 9

65 70 75 80

Leu Gln Met Asn Ser₈₅ Leu Arg Ala Glu Asp₉₀ Thr Ala Val Tyr Tyr₉₅ Cys

Ala Arg Gly Leu₁₀₀ Asp Ala Arg Arg Met₁₀₅ Asp Tyr Trp Gly Gln₁₁₀ Gly Thr

Leu Val Thr₁₁₅ Val Ser Ser

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Pro	Val	Asn 35	Trp	Tyr	Gln	Gln	Leu 40	Pro	Gly	Thr	Ala	Pro 45	Lys	Leu	Leu
Ile	Tyr 50	Asp	Asn	Asn	Lys	Arg 55	Pro	Ser	Gly	Val	Pro 60	Asp	Arg	Phe	Ser
Gly 65	Ser	Lys	Ser	Gly	Thr 70	Ser	Ala	Ser	Leu	Ala 75	Ile	Ser	Gly	Leu	Arg 80
Ser	Glu	Asp	Glu	Ala 85	Asp	Tyr	Tyr	Cys	Gln 90	Ser	Tyr	Asp	Thr	Gly 95	Leu
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Arg Val Thr Ile Ser Cys Ser Gly Ser Tyr Ser Asn Ile Gly Gly Asn
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Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Gly Asn Ser Asn Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

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Ser Gly Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
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Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Ser Asn
20 25 30

Asp Val Tyr Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Ser Ser Leu
85 90 95

Ser Gly Ser Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 43
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<400> 43

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
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Arg Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
20 25 30

Ala Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Ser Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser Leu
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Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
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Thr Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
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Ile Tyr Arg Asn Tyr Gln Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

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Ser Gly Ser Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
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Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
 35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
 50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
 65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
 85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
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 ctgcaaatga acagcctgag agccgaggac actgccgtgt attactgtgc gagtcccctt 300
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ctgcaaatga acagcctgag agccgaggac actgccgtgt attactgtgc gagggggttg 300

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 ccaggaacgg cccccaaact cctcatctat ggtaacagca atcggccctc aggggtccct 180
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 gaccgattct ctgggtccaa gtctggcacc tcagcctccc tggccatcag tgggctccgg 240
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 gtgttcggcg gaggaaccaa gctgacggtc ctaggtcag 339

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<400> 55
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55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg His Arg Gly Asn Tyr Tyr Ala Thr Tyr Tyr Tyr Ala Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

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Glu Val Gln Leu Val Glu Ser Gly Gly Asp Leu Val Lys Pro Gly Gly
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Ser Leu Lys Leu Ser Cys Ala Val Ser Gly Phe Thr Phe Ser Ser Tyr
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Gly Met Ser Trp Val Arg Gln Thr Pro Asp Lys Arg Leu Glu Trp Val
35 40 45

Ala Thr Val Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Ser Ser Leu Lys Ser Glu Asp Ser Ala Met Tyr Tyr Cys
85 90 95

Ala Arg His Arg Gly Asn Tyr Tyr Ala Thr Tyr Tyr Tyr Ala Met Asp
100 105 110

Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser
115 120

<210> 60

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<213> Artificial Sequence

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<223> matured PRLR antibody

<400> 60

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

Ser Arg Lys Leu Ser Cys Ala Ala Ser Gly Phe Ala Phe Ser Ser Phe
20 25 30

Gly Met Gln Trp Val Arg Gln Ala Pro Glu Lys Gly Leu Glu Trp Val
35 40 45

Ala Tyr Ile Ser Ser Gly Ser Ser Thr Ile Tyr Tyr Ala Asp Thr Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Pro Lys Asn Thr Leu Phe
65 70 75 80

Leu Gln Met Thr Ser Leu Arg Ser Glu Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Val Arg Ser Gly Arg Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr Val
100 105 110

Ser Ser

<210> 61

<211> 113

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<213> Homo sapiens

<400> 61

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

Glu Arg Ala Thr Ile Asn Cys Lys Ala Ser Lys Ser Val Ser Thr Ser
20 25 30

Gly Tyr Thr Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Arg Glu Ser Gly Val Pro Asp
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
65 70 75 80

Pro Val Gln Ala Glu Asp Val Ala Thr Tyr Tyr Cys Gln His Ser Gly
85 90 95

Glu Leu Pro Pro Ser Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105 110

Ala

<210> 62
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<220>
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Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
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Gln Gly Ala Thr Ile Ser Cys Arg Ala Ser Lys Ser Val Ser Thr Ser
20 25 30

Gly Tyr Thr Tyr Met His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Tyr Leu Ala Ser Asn Leu Glu Ser Gly Val Pro Ala
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
65 70 75 80

Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys Gln His Ser Gly
85 90 95

Glu Leu Pro Pro Ser Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg
100 105 110

Ala

<210> 63
<211> 108
<212> PRT
<213> Homo sapiens

<400> 63

Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Gly Val Ser Asn Asp
20 25 30

Val Ala Trp Phe Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Ser Ala Ser Thr Arg Tyr Thr Gly Val Pro Asp Arg Leu Thr Gly
50 55 60

Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Asn Thr Val Gln Ala
65 70 75 80

Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Thr Ser Pro Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala
100 105

<210> 64
<211> 372
<212> DNA
<213> Homo sapiens

<400> 64
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agctgcgccg tgagcggctt caccttcagc agctacggca tgagctgggt gcgccaggct 120
cctggcaagg gactggaatg ggtggccacc gtgtccagcg gcggcaccta cacctactac 180
cccgacagcg tgaagggccg gttcaccatc agccgggaca acagcaagaa caccctgtac 240
ctgcagatga acagcctgcg ggccgaggac accgccgtgt actactgcgc cagacaccgg 300
ggcaactact acgccaccta ctactatgcc atggactact ggggccaggg caccctggtg 360
accgtgagct ca 372

<210> 65
<211> 372
<212> DNA
<213> Artificial Sequence

<220>
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tcctgcgccg tgagcggctt caccttcagc agctacggca tgagctgggt gcgccagacc 120
cccgacaaga gactggaatg ggtggcaacc gtgtctagcg gcggcaccta cacctactac 180
cccgacagcg tgaagggccg gttcaccatc agccgggaca acgccaagaa caccctgtac 240
ctgcagatgt ccagcctgaa gtccgaggac agcgccatgt actattgcgc cagacatcgg 300
ggcaactact acgccaccta ctactatgcc atggactact ggggccaggg caccagcgtg 360
accgtgagct ca 372

<210> 66
<211> 342
<212> DNA
<213> Artificial Sequence

<220>
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<400> 66
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tcctgcgctg ccagcggctt cgccttcagc agcttcggca tgcagtgggt gcgccaggcc 120

cccgagaagg gcctggaatg ggtggcctac atcagcagcg gcagcagcac catctactac	180
gccgacaccg tgaagggccg gttcaccatc agcagagaca accccaagaa taccctgttc	240
ctgcagatga ccagcctgcg gagcgaggac accgccatgt actactgcgt gcggagcggc	300
agagactact ggggccaggg caccagcgtg accgtgagct ca	342

<210> 67
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 67 gatatcgtgc tgaccagag ccccgacagc ctggccgtga gcctgggcca gcggggccacc	60
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cagcagaagc ccggccagcc cccaagctg ctgatctacc tggccagcaa ccgggagagc	180
ggcgtgcccc accgggttag cggcagcggc tccggcaccg acttcaccct gaccatcagc	240
cccgtgcagg ccgaggacgt ggccacctac tactgccagc acagcggcga gctgcccccc	300
agcttcggcc agggcaccaa gctggaaatc aagcgggcc	339

<210> 68
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
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cagcagaagc ccggccagcc cccaagctg ctgatctacc tggccagcaa cctggaaagc	180
ggcgtgcccc ccagattcag cggcagcggc tccggcaccg acttcaccct gaacatccac	240
cccgtggagg aagaggacgc cgccacctac tactgccagc acagcggcga gctgccccct	300
agctttggcg gcggaacaaa gctggaaatc aagcgggcc	339

<210> 69
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<220>
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ggccagagcc ccaagctgct gatctacagc gccagcaccg ggtacaccgg cgtgcccagc	180
agactgaccg gctccggcta cggcaccgat ttcacattca ccatcaacac cgtgcaggcc	240
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<210> 70
<211> 222
<212> PRT
<213> Homo sapiens

<400> 70

Gln Leu Pro Pro Gly Lys Pro Glu Ile Phe Lys Cys Arg Ser Pro Asn
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Lys Glu Thr Phe Thr Cys Trp Trp Arg Pro Gly Thr Asp Gly Gly Leu
20 25 30

Pro Thr Asn Tyr Ser Leu Thr Tyr His Arg Glu Gly Glu Thr Leu Met
35 40 45

His Glu Cys Pro Asp Tyr Ile Thr Gly Gly Pro Asn Ser Cys His Phe
50 55 60

Gly Lys Gln Tyr Thr Ser Met Trp Arg Thr Tyr Ile Met Met Val Asn
65 70 75 80

Ala Thr Asn Gln Met Gly Ser Ser Phe Ser Asp Glu Leu Tyr Val Asp
85 90 95

Val Thr Tyr Ile Val Gln Pro Asp Pro Pro Leu Glu Leu Ala Val Glu
100 105 110

Val Lys Gln Pro Glu Asp Arg Lys Pro Tyr Leu Trp Ile Lys Trp Ser
115 120 125

Pro Pro Thr Leu Ile Asp Leu Lys Thr Gly Trp Phe Thr Leu Leu Tyr
130 135 140

Glu Ile Arg Leu Lys Pro Glu Lys Ala Ala Glu Trp Glu Ile His Phe
145 150 155 160

Ala Gly Gln Gln Thr Glu Phe Lys Ile Leu Ser Leu His Pro Gly Gln
165 170 175

Lys Tyr Leu Val Gln Val Arg Cys Lys Pro Asp His Gly Tyr Trp Ser
180 185 190

Ala Trp Ser Pro Ala Thr Phe Ile Gln Ile Pro Ser Asp Phe Thr Met
195 200 205

Asn Asp Ile Glu Gly Arg Met Asp His His His His His His
210 215 220

<210> 71
<211> 666

<212> DNA
 <213> Homo sapiens

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 cacaggggaag gagagacact catgcatgaa tgtccagact acataaccgg tggccccaac 180
 tcctgccact ttggcaagca gtacacctcc atgtggagga catacatcat gatggtcaat 240
 gccactaacc agatgggaag cagtttctcg gatgaacttt atgtggacgt gacttacata 300
 gttcagccag accctccttt ggagctggct gtggaagtaa aacagccaga agacagaaaa 360
 ccctacctgt ggattaaatg gtctccacct accctgattg acttaaaaac tggttggttc 420
 acgctcctgt atgaaattcg attaaaaccc gagaaagcag ctgagtggga gatccatttt 480
 gctgggcagc aaacagagtt taagattctc agcctacatc caggacagaa ataccttgtc 540
 caggttcgct gcaaaccaga ccatggatac tggagtgcac ggagtccagc gaccttcatt 600
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 caccac 666

<210> 72
 <211> 222
 <212> PRT
 <213> Mus musculus

<400> 72
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 20 25 30
 Pro Thr Asn Tyr Ser Leu Thr Tyr Ser Lys Glu Gly Glu Lys Asn Thr
 35 40 45
 Tyr Glu Cys Pro Asp Tyr Lys Thr Ser Gly Pro Asn Ser Cys Phe Phe
 50 55 60
 Ser Lys Gln Tyr Thr Ser Ile Trp Lys Ile Tyr Ile Ile Thr Val Asn
 65 70 75 80
 Ala Thr Asn Glu Met Gly Ser Ser Thr Ser Asp Pro Leu Tyr Val Asp
 85 90 95
 Val Thr Tyr Ile Val Glu Pro Glu Pro Pro Arg Asn Leu Thr Leu Glu
 100 105 110
 Val Lys Gln Leu Lys Asp Lys Lys Thr Tyr Leu Trp Val Lys Trp Leu
 115 120 125
 Pro Pro Thr Ile Thr Asp Val Lys Thr Gly Trp Phe Thr Met Glu Tyr

130

135

140

Glu Ile Arg Leu Lys Ser Glu Glu Ala Asp Glu Trp Glu Ile His Phe
 145 150 155 160

Thr Gly His Gln Thr Gln Phe Lys Val Phe Asp Leu Tyr Pro Gly Gln
 165 170 175

Lys Tyr Leu Val Gln Thr Arg Cys Lys Pro Asp His Gly Tyr Trp Ser
 180 185 190

Arg Trp Gly Gln Glu Lys Ser Ile Glu Ile Pro Asn Asp Phe Thr Leu
 195 200 205

Lys Asp Ile Glu Gly Arg Met Asp His His His His His His
 210 215 220

<210> 73
 <211> 666
 <212> DNA
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<400> 73
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 agcaaagaag gagagaaaaa cacctatgaa tgtccagact acaaaaccag tggccccaat 180
 tcctgtttct ttagcaagca gtacacttcc atatggaaaa tatacatcat cacagtaaat 240
 gccacgaacg aaatgggaag cagtacctcg gatccacttt atgtggatgt gacttacatt 300
 gttgaaccag agcctcctcg gaacctgact ttagaagtga aacaactaaa agacaaaaaa 360
 acatatctgt gggtaaaatg gttgccacct accataactg atgtaaaaac tggtttggttt 420
 acaatggaat atgaaattcg attaaagtct gaagaagcag atgagtggga gatccacttc 480
 acaggtcatc aaacacaatt taaggttttt gacttatatc caggacaaaa gtatcttgtc 540
 cagactcgct gcaagccaga ccatggatac tggagtagat ggggccagga gaaatctatt 600
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 caccac 666

<210> 74
 <211> 19
 <212> PRT
 <213> Artificial Sequence

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<400> 74

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 1 5 10 15

Lys Gly Arg

<210> 75
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 75

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 76
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 76

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

Lys Gly Arg

<210> 77
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 77

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 78
<211> 13
<212> PRT
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<220>
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<400> 78

Ser Gly Leu Asn Ser Asn Val Gly Ser Ser Pro Val Asn
1 5 10

<210> 79
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 79

Ser Gly Leu Asn Ser Asn Val Gly Ser Asn Pro Val Asn
1 5 10

<210> 80
<211> 13
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<213> Artificial Sequence

<220>
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<400> 80

Ser Gly Leu Asn Ser Asn Ile Gly Ser Asn Pro Val Asn
1 5 10

<210> 81
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<400> 81

Ser Gly Leu Asn Asp Asn Val Gly Ser Asn Pro Val Asn
1 5 10

<210> 82
<211> 13
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<213> Artificial Sequence

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<400> 82

Ser Gly Ser Asn Ser Asn Ile Gly Gly Asn Pro Val Asn
1 5 10

<210> 83
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 83

Ser Gly Ser Asn Ser Asn Val Gly Gly Asn Pro Val Asn
Page 26

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<210> 84
 <211> 13
 <212> PRT
 <213> Artificial Sequence

 <220>
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 <400> 84
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 1 5 10

<210> 85
 <211> 13
 <212> PRT
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 <400> 85
 Ser Gly Ser Asn Asp Asn Ile Gly Ser Asn Pro Val Asn
 1 5 10

<210> 86
 <211> 13
 <212> PRT
 <213> Artificial Sequence

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 <400> 86
 Ser Gly Ser Asn Ser Asn Ile Gly Ser Ser Pro Val Asn
 1 5 10

<210> 87
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 <400> 87
 Ser Gly Leu Asn Ser Asn Ile Gly Gly Ser Pro Val Asn
 1 5 10

<210> 88
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 <213> Artificial Sequence

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 <400> 88

Ser Gly Leu Asn Ser Asn Val Gly Gly Ser Pro Val Asn
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<210> 89
<211> 13
<212> PRT
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<220>
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<400> 89

Ser Gly Leu Asn Asp Asn Val Gly Gly Ser Pro Val Asn
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<210> 90
<211> 12
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<220>
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<400> 90

Cys Gln Ser Tyr Asp Glu Gly Ser Gly Met Trp Val
1 5 10

<210> 91
<211> 12
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<213> Artificial Sequence

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<400> 91

Cys Gln Ser Tyr Asp Glu Gly Ser Ser Met Trp Val
1 5 10

<210> 92
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<213> Artificial Sequence

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<400> 92

Cys Gln Ser Tyr Asp Glu Gly Ala Ser Met Trp Val
1 5 10

<210> 93
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 93

Cys Gln Ser Tyr Asp Thr Gly Ala Gly Met Trp Val
1 5 10

<210> 94
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 94

Cys Gln Ser Tyr Asp Thr Gly Leu Ser Met Trp Val
1 5 10

<210> 95
<211> 12
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<220>
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<400> 95

Cys Gln Ser Tyr Asp Thr Gly Ser Ser Met Trp Val
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<210> 96
<211> 12
<212> PRT
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<400> 96

Cys Gln Ser Tyr Asp Thr Gly Leu Gly Gly Trp Val
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<210> 97
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<400> 97

Cys Gln Ser Tyr Asp Thr Gly Ala Ser Gly Trp Val
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<210> 98
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<400> 98

Cys Gln Ser Tyr Asp Thr Gly Ser Ser Gly Trp Val
1 5 10

<210> 99

<211> 12

<212> PRT

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<223> matured PRLR antibody

<400> 99

Cys Gln Ser Tyr Asp Thr Gly Ser Gly Gly Trp Val
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<400> 100

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1 5 10

<210> 101

<211> 12

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<213> Artificial Sequence

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<400> 101

Cys Gln Ser Tyr Asp Glu Gly Leu Gly Gly Trp Val
1 5 10

<210> 102

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 102

Phe Ser Ser Tyr Trp Asn His Trp
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<210> 103

<211> 8

<212> PRT

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<223> matured PRLR antibody

<400> 103

Phe Ser Ser Tyr Trp Trp His Trp
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<210> 104

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

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<400> 104

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

Lys Gly Arg

<210> 105

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 105

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

Lys Gly Arg

<210> 106

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 106

Ser Asp Met Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 107

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 107

Ser Asp Met Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 108

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 108

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

Lys Gly Arg

<210> 109

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 109

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

Lys Gly Arg

<210> 110

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 110

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

Lys Gly Arg

<210> 111

<211> 19

<212> PRT

<213> Artificial Sequence

<220>
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 1 5 10 15

Lys Gly Arg

<210> 112
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 <212> PRT
 <213> Artificial Sequence

<220>
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 <400> 112

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

Lys Gly Arg

<210> 113
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
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 <400> 113

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

Lys Gly Arg

<210> 114
 <211> 19
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody
 <400> 114

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

Lys Gly Arg

<210> 115
 <211> 19

<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 115

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

Lys Gly Arg

<210> 116
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 116

Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 117
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 117

Ser Asp Met Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 118
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 118

Ser Asp Met Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 119
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 119

Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 120
<211> 19
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<220>
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<400> 120

Ser Asp Met Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 121
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 121

Ser Asp Ile Ala Ser Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 122
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 122

Ser Asp Ile Ser Ser Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 123
<211> 19
<212> PRT
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<220>
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<400> 123

Ser Asp Arg Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 124
<211> 19
<212> PRT
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<220>
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<400> 124

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 125
<211> 19
<212> PRT
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<220>
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<400> 125

Ser Asp Ile Ala Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 126
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 126

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
Page 36

1 5 10 15

Lys Gly Arg

<210> 127
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 127

Ser Asp Ile Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 128
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 128

Ser Asp Ile Ser Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 129
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
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<400> 129

Ser Asp Met Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 130
<211> 19
<212> PRT
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<220>
<223> matured PRLR antibody

<400> 130

Ser Asp Met Ser Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 131

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

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<400> 131

Ser Asp Met Ala Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 132

<211> 19

<212> PRT

<213> Artificial Sequence

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<400> 132

Ser Asp Met Ala Ser Leu Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 133

<211> 19

<212> PRT

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<400> 133

Ser Asp Met Ser Trp Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
1 5 10 15

Lys Gly Arg

<210> 134

<211> 19

<212> PRT

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 Ser Asp Ile Ser Trp Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 1 5 10 15

Lys Gly Arg

<210> 135
 <211> 14
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<220>
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 <400> 135

Thr Gly Gln Ser Ser Asn Ile Gly Ala Gly Tyr Val Val His
 1 5 10

<210> 136
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 <223> matured PRLR antibody
 <400> 136

Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly Tyr Val Val His
 1 5 10

<210> 137
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody
 <400> 137

Thr Gly Val Ser Ser Asn Ile Gly Ala Gly Tyr Val Val His
 1 5 10

<210> 138
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody
 <400> 138

Arg Asn Asn Gln Arg Gln Ser
 1 5

<210> 139
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 139

Arg Asn Asn Val Arg Pro Ser
1 5

<210> 140
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 140

Arg Asn Asn Val Arg Gln Ser
1 5

<210> 141
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 141

Arg Asn Asn Trp Arg Pro Ser
1 5

<210> 142
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 142

Arg Asn Asn Trp Arg Gln Ser
1 5

<210> 143
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 143

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 144
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 144

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 145
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 145

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 146
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 146

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 147
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 147

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 148
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 148

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 149

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 149

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 150
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 150

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 151
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 151

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Thr Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 152
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 152

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 153
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 153

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 154

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 154

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 155
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 155

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 156
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 156

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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35

40

45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 157
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 157

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 158
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 158

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 159

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 159

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser
 115

<210> 160
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 160

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Met Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Val Ser Ser
 115

<210> 161
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 161

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
 20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 162
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 162

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30

Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 163

<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 163

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30
Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110
Thr Leu Val Thr Val Ser Ser
115

<210> 164
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 164

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr
20 25 30
Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Gln Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Ser Pro Leu Glu Ser Pro Val Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 165
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 165

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Val Gly Ser Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Ser
85 90 95

Gly Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 166
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 166

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Gly Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Ser
85 90 95

Ser Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 167
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 167

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Gly Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 168
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 168

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 169
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 169

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Ile Gly Gly Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Leu
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 170
<211> 112
<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 170

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Ile Gly Gly Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Ala
85 90 95

Ser Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 171

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 171

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Asp Asn Val Gly Gly Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Ala
85 90 95

Gly Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 172
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 172

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Val Gly Ser Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Leu
85 90 95

Gly Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 173
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 173

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Asp Asn Val Gly Gly Ser
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
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Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Ala
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 176
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 176

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Ser
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 177
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 177

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Val Gly Gly Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Ser
85 90 95

Gly Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 178
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 178

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95

Gly Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 179
<211> 112
<212> PRT
<213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 179

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Asn
 20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
 85 90 95

Ser Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
 100 105 110

<210> 180

<211> 112

<212> PRT

<213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 180

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Val Gly Gly Ser
 20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Glu Gly Ser
 85 90 95

Gly Met Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
 100 105 110

<210> 181
<211> 80
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 181

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Asp Asn Val Gly Ser Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

<210> 182
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 182

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Asn
20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 183
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 183

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15
Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Ile Gly Ser Asn
20 25 30
Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45
Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60
Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80
Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95
Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 184
<211> 112
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 184

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15
Arg Val Thr Ile Ser Cys Ser Gly Leu Asn Ser Asn Ile Gly Ser Asn
20 25 30
Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
35 40 45
Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
50 55 60
Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80
Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
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85

90

95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
 100 105 110

<210> 185
 <211> 112
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 185

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Asp Asn Ile Gly Ser Asn
 20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
 65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
 85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
 100 105 110

<210> 186
 <211> 112
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 186

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Ser Gly Ser Asn Ser Asn Val Gly Ser Asn
 20 25 30

Pro Val Asn Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
 35 40 45

Ile Tyr Asp Asn Asn Lys Arg Pro Ser Gly Val Pro Asp Arg Phe Ser
 50 55 60

Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu Arg
65 70 75 80

Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Gln Ser Tyr Asp Thr Gly Leu
85 90 95

Ser Gly Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110

<210> 187
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 187

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 188
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 188

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 189
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 189

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 190
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 190

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 191
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 191

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 192
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 192

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 193
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 193

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Ile Ser Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110
 Leu Val Thr Val Thr Ser Ser
 115

<210> 194
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 194

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 195
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 195

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 196
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 196

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 197
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 197

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 198
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 198

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 199

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 199

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 200
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 200

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 201
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 201

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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40

45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 202
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 202

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 203
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 203

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 204

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 204

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 205
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 205

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Asp Ile Ala Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 206
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 206

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 207
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 207

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 208

<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 208

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110
Leu Val Thr Val Thr Ser Ser
115

<210> 209
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 209

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Met Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 210
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 210

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 211
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 211

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 212
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 212

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 213
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 213

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 214
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 214

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 215
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 215

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 216
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 216

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Ile Ser Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110
 Leu Val Thr Val Thr Ser Ser
 115

<210> 217
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 217

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 218
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 218

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Trp Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 219
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 219

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Arg Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 220
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 220

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 221
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 221

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Ser Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 222

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 222

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Trp Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 223
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 223

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 224
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 224

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Asp Ile Ser Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 225
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 225

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 226
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 226

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Ser Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 227

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 227

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 228
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 228

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Asp Met Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 229
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 229

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 230
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 230

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 231

<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 231

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Met Ser Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110
Leu Val Thr Val Thr Ser Ser
115

<210> 232
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 232

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Met Ala Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 233
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 233

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 234
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 234

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 235
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 235

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 236
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 236

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Ala Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 237
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 237

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 238
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 238

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 239
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 239

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Met Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110
 Leu Val Thr Val Thr Ser Ser
 115

<210> 240
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 240

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30
 Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Ser Asp Ile Ser Arg Ala Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
 50 55 60
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95
 Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 241
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 241

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 242
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 242

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 243
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 243

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Ser Leu Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 244
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 244

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 245

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 245

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 246
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 246

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ala Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 247
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 247

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
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35

40

45

Ser Asp Met Ser Ser Leu Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 248
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 248

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 249
<211> 119
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 249

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Met Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 250

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 250

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Leu Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 251
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 251

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ser Asp Met Ala Ser Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
 100 105 110

Leu Val Thr Val Thr Ser Ser
 115

<210> 252
 <211> 119
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 252

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Leu Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 253
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 253

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Trp His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Ala Ser Ser Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 254

<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 254

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Ile Ser Arg Ala Ser Pro Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80
Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110
Leu Val Thr Val Thr Ser Ser
115

<210> 255
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 255

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30
Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ser Asp Ile Ala Ser Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 256
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 256

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ala Arg Ala Ser Ser Tyr Thr Gly Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 257
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 257

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Leu Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 258
<211> 119
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 258

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Trp Asn His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Asp Ile Ser Arg Ala Ser Pro Tyr Thr Asn Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Gly Leu Asp Ala Arg Arg Met Asp Tyr Trp Gly Gln Gly Thr
100 105 110

Leu Val Thr Val Thr Ser Ser
115

<210> 259
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 259

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 260
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 260

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 261
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 261

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 262
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 262

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 263

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 263

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 264
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 264

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 265
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 265

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Val Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 266
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 266

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 267
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 267

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 268

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 268

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 269
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 269

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 270
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 270

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
Page 116

35

40

45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 271
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 271

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 272
<211> 113
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 272

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Ser Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 273

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 273

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
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Leu Gly Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 274
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 274

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
 35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
 50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
 65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
 85 90 95

Leu Phe Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 275
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 275

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Leu Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 276
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 276

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 277

<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 277

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 278
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 278

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 279
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 279

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 280
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 280

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 281
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 281

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 282
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 282

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 283
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 283

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 284
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 284

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 285
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 285

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 286

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 286

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 287
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 287

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 288
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 288

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 289

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 289

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 290

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 290

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 291

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 291

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 292
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 292

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 293
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 293

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
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Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 294
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 294

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 295
<211> 113
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 295

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 296

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 296

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
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85

90

95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 297
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 297

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
 35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
 50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
 65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
 85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 298
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 298

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 299
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 299

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 300

<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 300

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Gln Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 301
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 301

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 302
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 302

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 303
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 303

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 304
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 304

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 305
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> maturated PRLR antibody

<400> 305

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 306
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> maturated PRLR antibody

<400> 306

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 307
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 307

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Thr Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 308
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 308

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 309

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 309

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 310
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 310

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 311
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 311

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 312
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 312

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 313
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 313

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 314

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 314

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 315
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 315

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 316
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 316

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
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40

45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 317
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 317

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 318
<211> 113
<212> PRT
<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 318

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 319

<211> 113

<212> PRT

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 319

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
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85

90

95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 320
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 320

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
 35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
 50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
 65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
 85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
 100 105 110

Gln

<210> 321
 <211> 113
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 321

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
 1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
 20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 322
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 322

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Val Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 323

<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 323

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 324
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 324

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 325
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 325

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Tyr Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 326
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 326

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 327
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 327

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 328
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 328

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 329
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 329

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Trp Arg Pro Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 330
<211> 113
<212> PRT
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 330

Gln Ser Val Leu Thr Gln Pro Pro Ser Ala Ser Gly Thr Pro Gly Gln
1 5 10 15

Arg Val Thr Ile Ser Cys Thr Gly Ser Ser Ser Asn Ile Gly Ala Gly
20 25 30

Tyr Val Val His Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu
35 40 45

Leu Ile Tyr Arg Asn Asn Gln Arg Gln Ser Gly Val Pro Asp Arg Phe
50 55 60

Ser Gly Ser Lys Ser Gly Thr Ser Ala Ser Leu Ala Ile Ser Gly Leu
65 70 75 80

Arg Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Ala Ala Trp Asp Asp Ser
85 90 95

Leu Asn Gly Trp Leu Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

Gln

<210> 331
<211> 357
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 331
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg

60

agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 332
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 332	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 333
 <211> 370
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 333	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 334
 <211> 370
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 334	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60

agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctc ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tatttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 335
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 335	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctc ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tatttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 336
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 336	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctc ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga tatttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 337
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 337	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120

ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 338
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 338	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 339
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 339	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcaccaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 340
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 340	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180

gccgatagcg tgaaaggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 341
 <211> 370
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 341	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaaggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 342
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 342	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaaggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 343
 <211> 357
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 343	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120

ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 344
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 344	
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ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 345	
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ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 346
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 346	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 347
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 347	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagcagc	357

<210> 348
 <211> 370
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 348	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaaat ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaaggctg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 349
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 349	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120

ccgggtaaag gtctggaatg ggttgcagtt attagctttg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 350
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

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ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 351
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 351	
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agctgtgcag caagcggttt tacctttgat gattatggta tgagctgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggttgcagtt attagctatg atggcagcaa taaatattat	180
gccgatagcg tgaaagggtcg ctttaccatt agccgtgata atagccagaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgtgc aagtccgctg	300
gaaagtccgg ttgcatttga ttttgggggt cagggcaccc tggttaccgt tagctcagca	360
tatatgcagc	370

<210> 352
 <211> 370
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 352

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agctgtgcag	caagcggttt	tacctttgat	gattatggta	tgagctgggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttgcagtt	attagctatg	atggcagcaa	taaatattat	180
gccgatagcg	tgaaaggctc	ctttaccatt	agccgtgata	atagccagaa	taccctgtat	240
ctgcagatga	atagcctgcg	tcgagaagat	accgcagttt	attattgtgc	aagtccgctg	300
gaaagtccgg	ttgcatttga	tatttgggggt	cagggcaccc	tggttaccgt	tagctcagca	360
tatatgcagc						370

<210> 353
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

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agctgtagcg	gtctgaatag	caatgttggt agcagcccg tgaattggta tcagcagctg 120
cctggtacag	caccgaaact	gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta	gcggtagtaa	aagcggcacc agcgcaagcc tggcaattag cggctctgcgt 240
agcgaagatg	aagcagatta	ttattgccag agctatgatg aaggtagcgg catgtggggt 300
tttggtggtg	gcaccaaact	gaccgttctg ggtagc 336

<210> 354
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400>	354	
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agctgtagcg	gtagcaatag	caatattggt ggcaaccgg tgaattggta tcagcagctg 120
cctggtacag	caccgaaact	gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta	gcggtagtaa	aagcggcacc agcgcaagcc tggcaattag cggctctgcgt 240
agcgaagatg	aagcagatta	ttattgccag agctatgatg aaggtagcag catgtggggt 300
tttggtggtg	gcaccaaact	gaccgttctg ggtagc 336

<210> 355
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400>	355	
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cctggtacag caccgaaact gctgatttat	gataataata aacgtccgag cggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc	agcgcaagcc tggcaattag cggtctgcgt	240
agcgaagatg aagcagatta ttattgccag	agctatgata ccggtctgag cggttgggtt	300
tttggtggtg gcaccaaact gaccgttctg	ggtcag	336

<210> 356
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 356		
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agctgtagcg gtagcaatag caatattggg	agctcgccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat	gataataata aacgtccgag cggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc	agcgcaagcc tggcaattag cggtctgcgt	240
agcgaagatg aagcagatta ttattgccag	agctatgata ccggtctgag cggttgggtt	300
tttggtggtg gcaccaaact gaccgttctg	ggtcag	336

<210> 357
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 357		
cagagcgttc tgaccagcc tccgagcgca	agcggtagac cgggtcagcg tgttaccatt	60
agctgtagcg gtctgaatag caatattggg	ggcagcccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat	gataataata aacgtccgag cggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc	agcgcaagcc tggcaattag cggtctgcgt	240
agcgaagatg aagcagatta ttattgccag	agctatgatg aaggtctgag cggttgggtt	300
tttggtggtg gcaccaaact gaccgttctg	ggtcag	336

<210> 358
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 358		
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agctgtagcg gtctgaatag caatattggg	ggcagcccgg tgaattggta tcagcagctg	120

cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cggctctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgatg aagggtgcgag catgtggggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 359
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 359	
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agctgtagcg gtctgaatga taatgttggt ggcagcccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cggctctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgata ccgggtgcggg catgtggggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 360
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 360	
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agctgtagcg gtctgaatag caatgttggt agcaaccggg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cggctctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgatg aagggtctggg cgggttgggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 361
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 361	
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cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cggctctgcgt	240

agcgaagatg aagcagatta ttattgccag agctatgatg aaggtagcgg catgtggggt 300
 tttggtggtg gcaccaaact gaccgttctg ggtcag 336

<210> 362
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 362
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 cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
 gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt 240
 agcgaagatg aagcagatta ttattgccag agctatgatg agggctctgag cggttggggt 300
 tttggtggtg gcaccaaact gaccgttctg ggtcag 336

<210> 363
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 363
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 cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
 gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt 240
 agcgaagatg aagcagatta ttattgccag agctatgata ccggtgagcg cggttggggt 300
 tttggtggtg gcaccaaact gaccgttctg ggtcag 336

<210> 364
 <211> 336
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 364
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 cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
 gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt 240
 agcgaagatg aagcagatta ttattgccag agctatgata ccggttctag cggttggggt 300

tttggtagtg gcaccaaact gaccgttctg ggtag 336

<210> 365
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 365
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
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cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtagcgg cggttgggtt 300
tttggtagtg gcaccaaact gaccgttctg ggtag 336

<210> 366
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 366
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
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gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
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tttggtagtg gcaccaaact gaccgttctg ggtag 336

<210> 367
<211> 336
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<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 367
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agctgtagcg gtagcaatag caatattggt agcaatccgg tgaattggta tcagcagctg 120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag catgtgggtt 300
tttggtagtg gcaccaaact gaccgttctg ggtag 336

<210> 368
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 368
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agctgtagcg gtctgaatag caatgttggg ggcagcccg tgaattggta tcagcagctg 120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgatg aaggtagcgg catgtggggt 300
tttggtggtg gcaccaaact gaccgttctg ggtagc 336

<210> 369
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 369
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtagcg gtctgaatga taatgttggg agcaaccgg tgaattggta tcagcagctg 120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtagcag catgtggggt 300
tttggtggtg gcaccaaact gaccgttctg ggtagc 336

<210> 370
<211> 336
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 370
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtagcg gtagcaatag caatattggg agcaatccgg tgaattggta tcagcagctg 120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgaagcc tggcaattag cggctctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag cgggttgggt 300
tttggtggtg gcaccaaact gaccgttctg ggtagc 336

<210> 371
<211> 336
<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 371

cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtagcg gtagcaatag caatattggg agcaatccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag cggttggggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 372

<211> 336

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 372

cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtagcg gtcttaatag caatattggg agcaatccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag cggttggggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 373

<211> 336

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 373

cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtagcg gtagcaatga taatattggg agcaatccgg tgaattggta tcagcagctg	120
cctggtacag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg	180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt	240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag cggttggggt	300
tttggtggtg gcaccaaact gaccgttctg ggtcag	336

<210> 374

<211> 336

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 374
cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtagcg gtagcaatag caatgtgggt agcaatccgg tgaattggta tcagcagctg 120
cctggtagag caccgaaact gctgatttat gataataata aacgtccgag cgggtgttccg 180
gatcgtttta gcggtagtaa aagcggcacc agcgcaagcc tggcaattag cgggtctgcgt 240
agcgaagatg aagcagatta ttattgccag agctatgata ccggtctgag cggttgggtt 300
tttggtggtg gcaccaaact gaccgttctg ggtcag 336

<210> 375
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 375
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcgacggc tgagcccgta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 376
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 376
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcagccggc tgagcccgta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 377
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 377

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	tgcatagggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	attagcagcg	caagcagcta	taccaattat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcaagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 378
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	tgcatagggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	attagcagcg	caagcagcta	taccaattat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcaagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 379
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	atcattgggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	atggcacggc	tgagcccgta	taccaattat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcaagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 380
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	atcattgggt	tcgtcaggca	120

ccgggtaaag gtctggaatg ggtagcgat atggcaaggc tgagcccgta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 381
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 381	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagcaggg caagcccgta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 382
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 382	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 383
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 383	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcgcaaggc tgagcagcta taccaactat	180

gcagatagcg tgaaaggtcg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 384
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 384	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcgacggc tgagcccgta taccaattat	180
gcagatagcg tgaaaggtcg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 385
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 385	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atggcacgcy caagcccgta taccaactat	180
gcagatagcg tgaaaggtcg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcy tgcagaagat accgcagttt attattgcy acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 386
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 386	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagccgcc tgagcagcta taccaactat	180
gcagatagcy tgaaaggtcy ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcy tgcagaagat accgcagttt attattgcy acgtgggtctg	300

gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 387
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 387
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atgagcaggg caagcagcta taccaactat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 388
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 388
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 389
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 389
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 390
 <211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 390
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 391
 <211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 391
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 392
 <211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 392
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcgcaaggg caagcccgta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 393
 <211> 354

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 393
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 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcgcaaggg caagcccgta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354
 <210> 394
 <211> 354
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 394
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 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcagcagcc tgagcagcta taccggctat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354
 <210> 395
 <211> 354
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 395
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 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcagcagcc tgagcagcta taccggctat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354
 <210> 396
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 396
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 397
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 397
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 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcaaggc tgagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 398
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 398
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcagccgcg caagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 399
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 399
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcagcaggc tgagcagcta taccaactat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 400
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 400
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 401
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 401
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcagccgcy caagcagcta taccaactat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 402
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 402
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60

agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagccggc tgagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 403
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 403	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagccggc tgagcccgta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 404
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 404	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagcaggg caagcccgta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 405
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 405	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagccgcg caagcagcta taccaactat	180

gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 406
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 406	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagctggc tgagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 407
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 407	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat cgtagcagcg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 408
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 408	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagcagcg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240

ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 409
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 409	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat attgcbagcg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 410
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 410	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat attagctggg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 411
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 411	
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agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat attagccgtg caagcagcta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcg acgtggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 412
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 412
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcc tgagcagcta taccaattat 180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 413
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 413
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcccgta taccaattat 180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 414
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 414
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga tgcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat attagcagcg caagcagcta taccggttat 180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 415

<211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 415
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcaaggc tgagcccgta taccaattat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 416
 <211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 416
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atgagccggg caagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 417
 <211> 354
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 417
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgctctctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atgcacgcg caagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 418
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 418
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcacggc tgagcagcta taccaactat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 419
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 419
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atgagcagcc tgagcagcta taccaactat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 420
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 420
 gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagt agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcacgcg caagcccgta taccaactat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 421
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 421
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcgcacgcc tgagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 422
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 422
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atgagcaggc tgagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 423
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 423
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcacggg caagcagcta taccaactat 180
 gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 424
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 424
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60

agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atggcacggg caagcccgta taccggctat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 425
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 425	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atgagccggc tgagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 426
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 426	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcgcacggg caagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgctc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 427
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 427	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca	120

ccgggtaaag gtctggaatg ggtagcgat atgagcaggc tgagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 428
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 428	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagccgcg caagcccgta taccggctat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 429
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 429	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattggt ggcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcgcacgcg caagcagcta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 430
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 430	
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg	60
agctgtgcag caagcggttt tacctttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagccggc tgagcccgta taccaattat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240

ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 431
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 431
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atggcaagcc tgagcccgta taccggctat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 432
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 432
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atcgcacggg caagcagcta taccaactat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
 gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 433
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 433
 gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg 60
 agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
 ccgggtaaag gtctggaatg ggtagcgat atgagcagcc tgagcagcta taccggctat 180
 gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
 ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300

gatgcacgtc gatatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 434
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 434
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atggcacggc tgagcagcta taccaactat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gatatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 435
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 435
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atgagcagcc tgagcagcta taccggctat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gatatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 436
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 436
gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcgcacggc tgagcccgta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gatatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 437
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 437
gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atgagccggc tgagcccgta taccaattat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 438
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 438
gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atcgcacgcc tgagcccgta taccggctat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 439
<211> 354
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 439
gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg 60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca 120
ccgggtaaag gtctggaatg ggtagcgat atggcaagcc tgagcagcta taccaactat 180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat 240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg 300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc 354

<210> 440
<211> 354
<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 440

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gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg    60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca    120
ccgggtaaag gtctggaatg ggtagcgat atcagccgcc tgagcagcta taccaactat    180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat    240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg    300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc        354
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<210> 441

<211> 354

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 441

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gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg    60
agctgtgcag caagcggttt taccttttagc agctattggt ggcattgggt tcgtcaggca    120
ccgggtaaag gtctggaatg ggtagcgat atcagccggg caagcagcta taccaactat    180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat    240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg    300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc        354
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<210> 442

<211> 354

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 442

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gaagttcagc tgctggaaag cggtggtggt ctggttcagc ctggtggtag cctgcgtctg    60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca    120
ccgggtaaag gtctggaatg ggtagcgat atcagccggg caagcccgtg taccggctat    180
gcagatagcg tgaaaggctc ttttaccatt agccgtgata atagcaaaaa taccctgtat    240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtgggtctg    300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc        354
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<210> 443

<211> 354

<212> DNA

<213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 443

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	atcattgggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	atcgcaagcg	caagcagcta	taccggctat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 444
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 444

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	atcattgggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	atcgcacgcg	caagcagcta	taccggctat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 445
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 445

gaagttcagc	tgctggaaag	cggtggtggt	ctggttcagc	ctggtggtag	cctgcgtctg	60
agctgtgcag	caagcggttt	taccttttagc	agctattgga	atcattgggt	tcgtcaggca	120
ccgggtaaag	gtctggaatg	ggttagcgat	atcagccggc	tgagcccgta	taccaattat	180
gcagatagcg	tgaaaggctg	ttttaccatt	agccgtgata	atagcaaaaa	taccctgtat	240
ctgcagatga	atagcctgcg	tgcagaagat	accgcagttt	attattgcgc	acgtgggtctg	300
gatgcacgtc	gtatggatta	ttgggggtcag	ggcaccctgg	ttaccgttac	cagc	354

<210> 446
 <211> 354
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 446

gaagttcagc tgctggaaag cgggtggtggt ctggttcagc ctggtggttag cctgcgtctg	60
agctgtgcag caagcggttt taccttttagc agctattgga atcattgggt tcgtcaggca	120
ccgggtaaag gtctggaatg ggtagcgat atcagccggg caagcccgta taccaactat	180
gcagatagcg tgaaaggctg ttttaccatt agccgtgata atagcaaaaa taccctgtat	240
ctgcagatga atagcctgcg tgcagaagat accgcagttt attattgcgc acgtggtctg	300
gatgcacgtc gtatggatta ttgggggtcag ggcaccctgg ttaccgttac cagc	354

<210> 447
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 447	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 448
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 448	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 449
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 449	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag	120

ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctgcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 450
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 450	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 451
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 451	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgtca gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 452
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 452	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctgca gagcgggtgtt	180

ccggatcgtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 453
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 453	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtgtgagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt	180
ccggatcgtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 454
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 454	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtca gagcgggtgtt	180
ccggatcgtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 455
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 455	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt	180
ccggatcgtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300

ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 456
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 456
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 457
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 457
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctcc gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 458
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 458
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 459
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 459
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgta gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 460
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 460
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgta gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gagggttggtg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 461
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 461
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgta gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct ggggtggttg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 462
<211> 339

<212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 462
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gtttggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339
 <210> 463
 <211> 339
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 463
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gttgggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339
 <210> 464
 <211> 339
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> matured PRLR antibody
 <400> 464
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt tatgggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339
 <210> 465
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 465
 cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgcgtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 466
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 466
 cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 467
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 467
 cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 468
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 468
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 469
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 469
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 470
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 470
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg tatgggtatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 471
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 471
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60

agctgtaccg gtagcagcag caatattggg	tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt	tatcgtaata atcagcgtca gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc	accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt	gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt	ctgggtcag	339

<210> 472
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 472		
cagagcggtc tgaccagcc tccgagcgca	agcggtagac cggttcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg	gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt	tatcgtaata atcagcgtcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc	accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt	gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt	ctgggtcag	339

<210> 473
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 473		
cagagcggtc tgaccagcc tccgagcgca	agcggtagac cggttcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg	tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt	tatcgtaata atgtgcgtcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc	accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt	gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt	ctgggtcag	339

<210> 474
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 474		
cagagcggtc tgaccagcc tccgagcgca	agcggtagac cggttcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg	tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt	tatcgtaata atgtgcgtca gagcgggtgtt	180

ccggatcggtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 475
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 475	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgcgtca gagcgggtgtt	180
ccggatcggtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 476
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 476	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgtcc gagcgggtgtt	180
ccggatcggtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 477
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 477	
cagagcggtc tgaccagcc tccgagcgca agcggtagac cggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgtcc gagcgggtgtt	180
ccggatcggtt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240

cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 478
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 478
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgcca gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 479
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 479
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgccc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 480
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 480
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgccc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 481
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 481
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag 339

<210> 482
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 482
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag 339

<210> 483
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 483
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag 339

<210> 484

<211> 339
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 484
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 485
 <211> 339
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 485
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 486
 <211> 339
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> matured PRLR antibody

 <400> 486
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 487
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 487
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 488
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 488
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtcagagcag caatattggt gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 489
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 489
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt tatgggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtca gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 490
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 490
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 491
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 491
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctcc gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 492
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 492
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
 agctgtaccg ggagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
 ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 493
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 493
 cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60

agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg	300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag	339

<210> 494
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 494	
cagagcggtt tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg	300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag	339

<210> 495
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 495	
cagagcggtt tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag	120
ctacctggta cagcaacgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg	300
ctgtttggtg gtggcaccaa actgaccggt ctgggtcag	339

<210> 496
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 496	
cagagcggtt tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag	120

ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagtggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 497
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 497	
cagagcggtc tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgcgtca gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 498
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 498	
cagagcggtc tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt tatgggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 499
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 499	
cagagcggtc tgaccagcc tccgagcgca agcgggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtca gagcgggtgtt	180
ccggatcggt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240

cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 500
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 500
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagctcgag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 501
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 501
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
 ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 502
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 502
 cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
 agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
 ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgta gagcgggtgtt 180
 ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
 cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300

ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 503
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 503
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgta gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 504
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 504
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt tatggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 505
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 505
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg 300
ctgttttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 506
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 506
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atgtgctca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 507
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 507
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 508
<211> 339
<212> DNA
<213> Artificial Sequence

<220>
<223> matured PRLR antibody

<400> 508
cagagcggtc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt 60
agctgtaccg gtagcagcag caatattggt gcagggtatg ttgttcattg gtatcagcag 120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgtca gagcgggtgtt 180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg 240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg 300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag 339

<210> 509
<211> 339
<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 509

cagagcggtc	tgaccagcc	tccgagcgca	agcggtacac	cgggtcagcg	tgttaccatt	60
agctgtaccg	gtagcagcag	caatattggt	gcaggttatg	ttgttcattg	gtatcagcag	120
ctgcctggta	cagcaccgaa	actgctgatt	tatcgtaata	attggcgta	gagcgggtgtt	180
ccggatcggt	ttagcggtag	caaaagcggc	accagcgcaa	gcctggcaat	tagcgggtctg	240
cgtagcgaag	atgaagcaga	ttattattgt	gcagcatggg	atgatagcct	gaatgggttg	300
ctgtttggtg	gtggcaccaa	actgaccgtt	ctgggtcag			339

<210> 510

<211> 339

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 510

cagagcggtc	tgaccagcc	tccgagcgca	agcggtacac	cgggtcagcg	tgttaccatt	60
agctgtaccg	gtagcagcag	caatattggt	gcaggttatg	ttgttcattg	gtatcagcag	120
ctgcctggta	cagcaccgaa	actgctgatt	tatcgtaata	atgtgctca	gagcgggtgtt	180
ccggatcggt	ttagcggtag	caaaagcggc	accagcgcaa	gcctggcaat	tagcgggtctg	240
cgtagcgaag	atgaagcaga	ttattattgt	gcagcatggg	atgatagcct	gaatgggttg	300
ctgtttggtg	gtggcaccaa	actgaccgtt	ctgggtcag			339

<210> 511

<211> 339

<212> DNA

<213> Artificial Sequence

<220>

<223> matured PRLR antibody

<400> 511

cagagcggtc	tgaccagcc	tccgagcgca	agcggtacac	cgggtcagcg	tgttaccatt	60
agctgtaccg	gtagcagcag	caatattggt	gcaggttatg	ttgttcattg	gtatcagcag	120
ctgcctggta	cagcaccgaa	actgctgatt	tatcgtaata	attggcgta	gagcgggtgtt	180
ccggatcggt	ttagcggtag	caaaagcggc	accagcgcaa	gcctggcaat	tagcgggtctg	240
cgtagcgaag	atgaagcaga	ttattattgt	gcagcatggg	atgatagcct	gaatgggttg	300
ctgtttggtg	gtggcaccaa	actgaccgtt	ctgggtcag			339

<210> 512

<211> 339

<212> DNA

<213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 512

cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttgggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 513
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 513

cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg tatgggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcggtcc gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttgggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 514
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 514

cagagcgttc tgaccagcc tccgagcgca agcggtagac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggg gcagggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcggtca gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttgggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 515
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>

<223> maturated PRLR antibody

<400> 515

cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgta gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 516
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 516	
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgta gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 517
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 517	
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120
ctgcctggta cagcaccgaa actgctgatt tatcgtaata attggcgta gagcgggtgtt	180
ccggatcggt ttagcggtag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatgggttg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339

<210> 518
 <211> 339
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> matured PRLR antibody

<400> 518	
cagagcggtc tgaccagcc tccgagcgca agcggtacac cgggtcagcg tgttaccatt	60
agctgtaccg gtagcagcag caatattggt gcaggttatg ttgttcattg gtatcagcag	120

ctgcctggta cagcaccgaa actgctgatt tatcgtaata atcagcgtca gagcgggtgtt	180
ccggatcggtt ttagcggttag caaaagcggc accagcgcaa gcctggcaat tagcgggtctg	240
cgtagcgaag atgaagcaga ttattattgt gcagcatggg atgatagcct gaatggttgg	300
ctgtttggtg gtggcaccaa actgaccgtt ctgggtcag	339