

eolf-seql
SEQUENCE LISTING

<110> Ablynx NV
Ablynx NV

<120> TREATMENT OF RSV INFECTION

<130> P8374PC00/34074.1

<150> US 62/062,469

<151> 2014-10-10

<150> EP 14193094.1

<151> 2014-11-13

<150> US 62/074,842

<151> 2014-11-04

<150> US 62/067,096

<151> 2014-10-22

<160> 101

<170> PatentIn version 3.5

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
115 120 125

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<400> 2

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
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<400> 3

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<400> 4

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Ala Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<400> 5

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<400> 6

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

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1 5 10 15

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

Glu 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 Pro Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

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<400> 8

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Ala Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<400> 9

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<400> 10

Asp 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<400> 11

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<400> 12

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<210> 13
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<400> 13

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

Glu 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 Pro Asp Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

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<400> 14

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 15

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<400> 15

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly

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

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<400> 16

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly
1			5					10						15	
Ser	Leu	Ser	Ile	Ser	Cys	Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser	Asn	Tyr
		20						25					30		

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 17
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<400> 17

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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 18

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<400> 18

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 19

<211> 126

<212> PRT

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<223> Nanobody sequence

<400> 19

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

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 20

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<213> Artificial Sequence

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<400> 20

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<210> 21
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 <213> Artificial Sequence

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<400> 21

Asp 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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 22
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<400> 22

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 23

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<400> 23

Asp Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

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1	5	10	15
Ser	Leu	Arg	Leu
	20		
Ser	Cys	Ala	Ala
		25	
Ser	Gly	Gly	Ser
			30
Leu	Ser	Asn	Tyr
Val	Leu	Gly	Trp
	35		
Phe	Arg	Gln	Ala
		40	
Pro	Gly	Lys	Gly
			45
Arg	Glu	Phe	Val
Ala	Ala	Ile	Asn
	50		
Trp	Arg	Asp	Asp
		55	
Ile	Thr	Ile	Gly
			60
Pro	Pro	Asn	Val
Glu	Gly	Arg	Phe
	65		
Thr	Ile	Ser	Arg
	70		
Asp	Asn	Ser	Lys
		75	
Asn	Thr	Leu	Tyr
Leu	Gln	Met	Asn
	85		
Ser	Leu	Arg	Pro
			90
Glu	Asp	Thr	Ala
			95
Val	Tyr	Tyr	Cys
Gly	Ala	Gly	Thr
	100		
Pro	Leu	Asn	Pro
			105
Gly	Ala	Tyr	Ile
			110
Tyr	Asp	Trp	Ser
Tyr	Tyr	Trp	Gly
	115		
Gln	Gly	Thr	Leu
		120	
Val	Thr	Val	Ser
			125
Ser	Ser		

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<400> 24

Glu	Val	Gln	Leu	Val	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	Gly	Ser	Leu	Ser	Asn	Tyr
		20						25					30		

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 25
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<213> Artificial Sequence

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<223> Nanobody sequence

<400> 25

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 26

<211> 126

<212> PRT

<213> Artificial Sequence

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<223> Nanobody sequence

<400> 26

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

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<400> 27

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 28

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<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 28

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120 125

eolf-seql

<210> 29
 <211> 126
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 29

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 30
 <211> 126
 <212> PRT
 <213> Artificial Sequence

eolf-seql

<220>

<223> Nanobody sequence

<400> 30

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 31

<211> 126

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 31

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

eolf-seql

1	5	10	15
Ser	Leu	Arg	Leu
	20		
Ser	Cys	Ala	Ala
		25	
Ser	Gly	Gly	Ser
			30
Leu	Ser	Asn	Tyr
Val	Leu	Gly	Trp
	35		
Phe	Arg	Gln	Ala
		40	
Pro	Gly	Lys	Glu
			45
Arg	Glu	Phe	Val
Ala	Ala	Ile	Asn
	50		
Trp	Arg	Gly	Asp
		55	
Ile	Thr	Ile	Gly
			60
Pro	Pro	Asn	Val
Glu	Gly	Arg	Phe
	65		
Thr	Ile	Ser	Arg
	70		
Asp	Asn	Ala	Lys
		75	
Asn	Thr	Gly	Tyr
			80
Leu	Gln	Met	Asn
	85		
Ser	Leu	Arg	Pro
			90
Asp	Asp	Thr	Ala
			95
Val	Tyr	Tyr	Cys
Gly	Ala	Gly	Thr
	100		
Pro	Leu	Asn	Pro
			105
Gly	Ala	Tyr	Ile
			110
Tyr	Asp	Trp	Ser
Tyr	Trp	Gly	Arg
	115		
Gly	Thr	Leu	Val
		120	
Thr	Val	Ser	Ser
		125	

<210> 32
 <211> 126
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 32

Glu	Val	Gln	Leu	Val	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	Gly	Ser	Leu	Ser	Asn	Tyr
		20						25					30		

eolf-seql

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
 115 120 125

<210> 33
 <211> 126
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 33

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val

eolf-seql

50

55

60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 34

<211> 126

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 34

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

eolf-seql

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
115 120 125

<210> 35
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 35

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
20 25 30

<210> 36
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 36

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
20 25 30

eolf-seql

<210> 37
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 37

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 Gly Ser Leu Ser
 20 25 30

<210> 38
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 38

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
 20 25 30

<210> 39
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 39

Asp Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

eolf-seql
1 5 10 15

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
20 25 30

<210> 40
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 40

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
20 25 30

<210> 41
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 41

Asp 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 Gly Ser Leu Ser
20 25 30

<210> 42
<211> 30
<212> PRT
<213> Artificial Sequence

eolf-seql

<220>

<223> Framework sequence

<400> 42

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

Ser	Leu	Ser	Ile	Ser	Cys	Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser
			20					25					30

<210> 43

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Framework sequence

<400> 43

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

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

<210> 44

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Framework sequence

<400> 44

Glu	Val	Gln	Leu	Val	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	Gly	Ser	Leu	Ser
			20					25					30

eolf-seql

<210> 45
 <211> 30
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 45

Asp Val Gln Leu Val 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 Gly Ser Leu Ser
 20 25 30

<210> 46
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CDR sequence

<400> 46

Asn Tyr Val Leu Gly
 1 5

<210> 47
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 47

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala
 1 5 10

<210> 48

eolf-seql

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

<220>
 <223> Framework sequence

<400> 48

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala
 1 5 10

<210> 49
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CDR sequence

<400> 49

Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu
 1 5 10 15

Gly

<210> 50
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CDR sequence

<400> 50

Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu
 1 5 10 15

Gly

eolf-seql

<210> 51
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 51

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln
 1 5 10 15

Met Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala
 20 25 30

<210> 52
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 52

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
 1 5 10 15

Met Asn Ser Leu Ala Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala
 20 25 30

<210> 53
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 53

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln

eolf-seql

1 5 10 15

Met Asn Ser Leu Ala Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala
20 25 30

<210> 54
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 54

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala
20 25 30

<210> 55
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Framework sequence

<400> 55

Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
1 5 10 15

Met Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala
20 25 30

<210> 56
<211> 32
<212> PRT
<213> Artificial Sequence

eolf-seql

<220>

<223> Framework sequence

<400> 56

Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu	Tyr	Leu	Gln
1				5					10					15	

Met	Asn	Ser	Leu	Arg	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala
			20					25					30		

<210> 57

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Framework sequence

<400> 57

Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Leu	Tyr	Leu	Gln
1				5					10					15	

Met	Asn	Ser	Leu	Ala	Pro	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala
			20					25					30		

<210> 58

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> Framework sequence

<400> 58

Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Gly	Tyr	Leu	Gln
1				5					10					15	

Met	Asn	Ser	Leu	Ala	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala
			20					25					30		

eolf-seql

<210> 59
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 59

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln
 1 5 10 15

Met Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala
 20 25 30

<210> 60
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 60

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln
 1 5 10 15

Met Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala
 20 25 30

<210> 61
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> CDR sequence

<400> 61

Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp

		eolf-seql	
1	5	10	15

Tyr

<210> 62
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 62

Trp	Gly	Arg	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser
1				5					10	

<210> 63
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 63

Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser
1				5					10	

<210> 64
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Framework sequence

<400> 64

Trp	Gly	Arg	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser
1				5					10	

eolf-seql

<210> 65
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 65

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser Leu Ser

eolf-seql

145		150		155		160									
Ile	Ser	Cys	Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser	Asn	Tyr	Val	Leu	Gly
			165						170					175	
Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Phe	Val	Ala	Ala	Ile
			180					185					190		
Asn	Trp	Arg	Gly	Asp	Ile	Thr	Ile	Gly	Pro	Pro	Asn	Val	Glu	Gly	Arg
		195					200					205			
Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Gly	Tyr	Leu	Gln	Met
	210					215					220				
Asn	Ser	Leu	Ala	Pro	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala	Gly
225					230					235					240
Thr	Pro	Leu	Asn	Pro	Gly	Ala	Tyr	Ile	Tyr	Asp	Trp	Ser	Tyr	Asp	Tyr
			245						250					255	
Trp	Gly	Arg	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser
			260					265					270		
Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Glu	Val	Gln	Leu	Val	Glu
		275					280					285			
Ser	Gly	Gly	Gly	Leu	Val	Gln	Ala	Gly	Gly	Ser	Leu	Ser	Ile	Ser	Cys
	290					295					300				
Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser	Asn	Tyr	Val	Leu	Gly	Trp	Phe	Arg
305					310					315					320
Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Phe	Val	Ala	Ala	Ile	Asn	Trp	Arg
			325						330					335	
Gly	Asp	Ile	Thr	Ile	Gly	Pro	Pro	Asn	Val	Glu	Gly	Arg	Phe	Thr	Ile

eolf-seql

340

345

350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Arg
385 390 395 400

Gly Thr Gln Val Thr Val Ser Ser
405

<210> 66
<211> 384
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 66

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

eolf-seql

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Ala Ala
115 120 125

Ala Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly
130 135 140

Gly Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn
145 150 155 160

Tyr Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe
165 170 175

Val Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn
180 185 190

Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly
195 200 205

Tyr Leu Gln Met Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr Tyr
210 215 220

Cys Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp
225 230 235 240

Ser Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Ala
245 250 255

Ala Ala Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala
260 265 270

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Gly Gly Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
275 280 285

Asn Tyr Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu
290 295 300

Phe Val Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro
305 310 315 320

Asn Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr
325 330 335

Gly Tyr Leu Gln Met Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr
340 345 350

Tyr Cys Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp
355 360 365

Trp Ser Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
370 375 380

<210> 67
<211> 396
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 67

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val

eolf-seql

35

40

45

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly
130 135 140

Gly Leu Val Gln Ala Gly Gly Ser Leu Ser Ile Ser Cys Ala Ala Ser
145 150 155 160

Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg Gln Ala Pro
165 170 175

Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg Gly Asp Ile
180 185 190

Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile Ser Arg Asp
195 200 205

Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu Ala Pro Asp
210 215 220

Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu Asn Pro Gly

eolf-seql																	
225					230					235					240		
Ala	Tyr	Ile	Tyr	Asp	Trp	Ser	Tyr	Asp	Tyr	Trp	Gly	Arg	Gly	Thr	Gln		
				245					250					255			
Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Ser	Glu	Val		
				260					265					270			
Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Ala	Gly	Gly	Ser	Leu		
				275					280					285			
Ser	Ile	Ser	Cys	Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser	Asn	Tyr	Val	Leu		
				290					295					300			
Gly	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Phe	Val	Ala	Ala		
305					310					315					320		
Ile	Asn	Trp	Arg	Gly	Asp	Ile	Thr	Ile	Gly	Pro	Pro	Asn	Val	Glu	Gly		
				325					330					335			
Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Gly	Tyr	Leu	Gln		
				340					345					350			
Met	Asn	Ser	Leu	Ala	Pro	Asp	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala		
				355					360					365			
Gly	Thr	Pro	Leu	Asn	Pro	Gly	Ala	Tyr	Ile	Tyr	Asp	Trp	Ser	Tyr	Asp		
				370					375					380			
Tyr	Trp	Gly	Arg	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser						
385					390					395							

eolf-seql

<220>

<223> Nanobody sequence

<400> 68

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
130 135 140

Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala
145 150 155 160

Gly Gly Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser
165 170 175

eolf-seql

Asn Tyr Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu
180 185 190

Phe Val Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro
195 200 205

Asn Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr
210 215 220

Gly Tyr Leu Gln Met Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr
225 230 235 240

Tyr Cys Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp
245 250 255

Trp Ser Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
275 280 285

Gly Gly Gly Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val
290 295 300

Gln Ala Gly Gly Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser
305 310 315 320

Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu
325 330 335

Arg Glu Phe Val Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly
340 345 350

Pro Pro Asn Val Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
355 360 365

eolf-seql

Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu Ala Pro Asp Asp Thr Ala
 370 375 380

Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile
 385 390 395 400

Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val
 405 410 415

Ser Ser

<210> 69
 <211> 408
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 69

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

Leu Gln Met Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys

eolf-seql

85

90

95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser Leu Ser
 145 150 155 160

Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
 165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
 180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
 195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
 210 215 220

Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
 225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
 245 250 255

Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu

eolf-seql

275

280

285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Leu Thr Leu Asp Tyr Tyr Ala Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Cys Ile Ser Ser Ser
325 330 335

Asp His Ser Thr Thr Tyr Thr Asp Ser Val Lys Gly Arg Phe Thr Ile
340 345 350

Ser Trp Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Lys Pro Gly Asp Thr Ala Val Tyr Tyr Cys Ala Ala Asp Pro Ala Leu
370 375 380

Gly Cys Tyr Ser Gly Ser Tyr Tyr Pro Arg Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Gln Val Thr Val Ser Ser
405

<210> 70

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 70

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

eolf-seql

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Leu Thr Leu Asp Tyr Tyr Ala Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly Val Ser Cys Ile
180 185 190

Ser Ser Ser Asp His Ser Thr Thr Tyr Thr Asp Ser Val Lys Gly Arg
195 200 205

eolf-seql

Phe Thr Ile Ser Trp Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Lys Pro Gly Asp Thr Ala Val Tyr Tyr Cys Ala Ala Asp
225 230 235 240

Pro Ala Leu Gly Cys Tyr Ser Gly Ser Tyr Tyr Pro Arg Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser Leu Ser Ile Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Arg
385 390 395 400

eolf-seql

Gly Thr Gln Val Thr Val Ser Ser
405

<210> 71
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 71

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

Ser Leu Ser Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln

eolf-seql

130

135

140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser Leu Ser
145 150 155 160

Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
210 215 220

Asn Ser Leu Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Arg Gly Thr Gln Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Ala Gly Gly Ser Leu Ser Ile Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg

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325

330

335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Ala Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Arg
385 390 395 400

Gly Thr Gln Val Thr Val Ser Ser
405

<210> 72

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 72

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Ile Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 73

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

eolf-seql

<400> 73

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

Ser Leu Arg Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Ile Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile

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180

185

190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Ile Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu

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370

375

380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 74

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 74

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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

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Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 75
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 75

Asp 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 Gly Ser Leu Ser Asn Tyr
20 25 30

Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val

eolf-seql

35

40

45

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly

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225 230 235 240
 Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
 245 250 255
 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 260 265 270
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
 275 280 285
 Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
 290 295 300
 Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
 305 310 315 320
 Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
 325 330 335
 Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
 340 345 350
 Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
 355 360 365
 Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
 370 375 380
 Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
 385 390 395 400
 Gly Thr Leu Val Thr Val Ser Ser
 405

<210> 76

eolf-seql

<211> 408
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 76

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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
 145 150 155 160

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Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

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Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 77
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 77

Asp 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys

eolf-seql

85

90

95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
 145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
 165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
 180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
 195 200 205

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
 210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
 225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
 245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu

eolf-seql

275

280

285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 78

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 78

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

eolf-seql

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

eolf-seql

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

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Gly Thr Leu Val Thr Val Ser Ser
405

<210> 79
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 79

Asp 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

Glu 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 Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln

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130

135

140

Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Leu Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Gly Arg Glu Phe Val Ala Ala Ile Asn Trp Arg

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325

330

335

Asp Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 80

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 80

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 81
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

eolf-seql

<400> 81

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile

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180

185

190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Asp Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu

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370

375

380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 82

<211> 408

<212> PRT

<213> Artificial Sequence

<220>

<223> Nanobody sequence

<400> 82

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
100 105 110

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Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

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Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 83
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 83

Glu Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

Val Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val

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35

40

45

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
 145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
 165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
 180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
 195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
 210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly

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225		230		235		240									
Thr	Pro	Leu	Asn	Pro	Gly	Ala	Tyr	Ile	Tyr	Asp	Trp	Ser	Tyr	Asp	Tyr
			245						250					255	
Trp	Gly	Arg	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Gly	Ser
			260					265						270	
Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Glu	Val	Gln	Leu	Val	Glu
			275					280						285	
Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly	Gly	Ser	Leu	Arg	Leu	Ser	Cys
	290					295					300				
Ala	Ala	Ser	Gly	Gly	Ser	Leu	Ser	Asn	Tyr	Val	Leu	Gly	Trp	Phe	Arg
305					310					315					320
Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Phe	Val	Ala	Ala	Ile	Asn	Trp	Arg
				325					330					335	
Gly	Asp	Ile	Thr	Ile	Gly	Pro	Pro	Asn	Val	Glu	Gly	Arg	Phe	Thr	Ile
			340					345					350		
Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Gly	Tyr	Leu	Gln	Met	Asn	Ser	Leu
		355					360					365			
Arg	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys	Gly	Ala	Gly	Thr	Pro	Leu
	370					375					380				
Asn	Pro	Gly	Ala	Tyr	Ile	Tyr	Asp	Trp	Ser	Tyr	Asp	Tyr	Trp	Gly	Arg
385					390					395					400
Gly	Thr	Leu	Val	Thr	Val	Ser	Ser								
				405											

<210> 84

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<211> 408
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Nanobody sequence

<400> 84

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
 20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
 50 55 60

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

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

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
 145 150 155 160

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Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
245 250 255

Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu
275 280 285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

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Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Arg
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 85
<211> 408
<212> PRT
<213> Artificial Sequence

<220>
<223> Nanobody sequence

<400> 85

Asp Val Gln Leu Val 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 Gly Ser Leu Ser Asn Tyr
20 25 30

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

Ala Ala Ile Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val
50 55 60

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

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

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85

90

95

Gly Ala Gly Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser
 100 105 110

Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly
 115 120 125

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln
 130 135 140

Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg
 145 150 155 160

Leu Ser Cys Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly
 165 170 175

Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile
 180 185 190

Asn Trp Arg Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg
 195 200 205

Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met
 210 215 220

Asn Ser Leu Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly
 225 230 235 240

Thr Pro Leu Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr
 245 250 255

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser
 260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Val Gln Leu Val Glu

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275

280

285

Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys
290 295 300

Ala Ala Ser Gly Gly Ser Leu Ser Asn Tyr Val Leu Gly Trp Phe Arg
305 310 315 320

Gln Ala Pro Gly Lys Glu Arg Glu Phe Val Ala Ala Ile Asn Trp Arg
325 330 335

Gly Asp Ile Thr Ile Gly Pro Pro Asn Val Glu Gly Arg Phe Thr Ile
340 345 350

Ser Arg Asp Asn Ala Lys Asn Thr Gly Tyr Leu Gln Met Asn Ser Leu
355 360 365

Arg Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly Ala Gly Thr Pro Leu
370 375 380

Asn Pro Gly Ala Tyr Ile Tyr Asp Trp Ser Tyr Asp Tyr Trp Gly Gln
385 390 395 400

Gly Thr Leu Val Thr Val Ser Ser
405

<210> 86

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 86

Gly Gly Gly Gly Ser
1 5

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<210> 87
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence

<400> 87

Ser Gly Gly Ser Gly Gly Ser
1 5

<210> 88
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence

<400> 88

Gly Gly Gly Gly Ser Gly Gly Gly Ser
1 5

<210> 89
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence

<400> 89

Gly Gly Gly Gly Ser Gly Gly Gly Ser
1 5

<210> 90
<211> 10
<212> PRT
<213> Artificial Sequence

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<220>

<223> Linker sequence

<400> 90

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10

<210> 91

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 91

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 92

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 92

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Ser

<210> 93

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

eolf-seql

<400> 93

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser
20

<210> 94

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 94

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25

<210> 95

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 95

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25 30

<210> 96

eolf-seql

<211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Linker sequence

<400> 96

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
 1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
 20 25 30

Gly Gly Ser
 35

<210> 97
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Linker sequence

<400> 97

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro
 1 5 10 15

<210> 98
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Linker sequence

<400> 98

Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Pro Lys Ser Cys Asp Lys
 1 5 10 15

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Thr His Thr Cys Pro Pro Cys Pro
20

<210> 99
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence

<400> 99

Glu Pro Lys Thr Pro Lys Pro Gln Pro Ala Ala Ala
1 5 10

<210> 100
<211> 62
<212> PRT
<213> Artificial Sequence

<220>
<223> Linker sequence

<400> 100

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

Pro Glu Pro Lys Ser Cys Asp Thr Pro Pro Pro Cys Pro Arg Cys Pro
20 25 30

Glu Pro Lys Ser Cys Asp Thr Pro Pro Pro Cys Pro Arg Cys Pro Glu
35 40 45

Pro Lys Ser Cys Asp Thr Pro Pro Pro Cys Pro Arg Cys Pro
50 55 60

<210> 101
<211> 3
<212> PRT

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<213> Artificial Sequence

<220>

<223> Linker sequence

<400> 101

Ala Ala Ala

1