

SEQUENCE LISTING

<110> ZHEJIANG NANOMAB TECH CENTER CO LTD
 <120> PD-1 BINDING MOLECULE AND APPLICATION THEREOF
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 <151> 2020-12-28
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Ala Ala Gly Leu Lys Ala Asp Tyr Gly Asp Ser Tyr Val Asp Thr Ser
1 5 10 15

Thr Arg Asn Tyr Asn Tyr

<210> 95
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 <212> PRT
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<220>
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<400> 95

Ala	Ala	Ser	Ser	Tyr	Asp	Phe	Cys	Ser	Thr	His	Gly	Cys	Tyr	Asp	Tyr
1				5					10					15	

<210> 96
 <211> 16
 <212> PRT
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<220>
 <223> CDR3

<400> 96

Ala	Ala	Ser	Asp	Tyr	Asp	Phe	Cys	Ser	Thr	His	Gly	Cys	Tyr	Asp	Tyr
1				5					10					15	

<210> 97
 <211> 18
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 <213> Artificial Sequence

<220>
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<400> 97

Ala	Ala	Glu	Arg	His	Leu	Gly	Val	Pro	Thr	Val	Arg	Asp	Asp	Glu	Tyr
1				5					10					15	

Asp Asp

<210> 98
 <211> 16
 <212> PRT
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<220>
<223> CDR3

<400> 98

Ala	Ala	Ser	Glu	Tyr	Asp	Phe	Cys	Ser	Thr	His	Gly	Cys	Tyr	Asp	Tyr
1				5					10					15	

<210> 99
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 99

Asn	Arg	Val	Ile	Arg	Gly	Thr	Thr	Tyr	Pro	Asp	Val	Tyr	Tyr	Gly	Met
1				5					10					15	

Asp Tyr

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<212> PRT
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<220>
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<400> 100

Arg	Pro	Tyr	Ser	Asp	Tyr	Val	Thr	Tyr	Asp	Pro	Asp	Asp	Tyr	Asp	Tyr
1				5					10					15	

<210> 101
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 101

Ala Ala Lys Tyr His Ser Gly Ser Tyr Tyr Tyr Thr Ser Ile Arg Pro

1	5	10	15
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Glu Glu Tyr Asp Tyr
20

<210> 102
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 102

Arg Val Asn Ser Gln Asp Tyr
1 5

<210> 103
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 103

Ala Lys Gly Gly Tyr Leu Thr Tyr Ala Asn
1 5 10

<210> 104
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 104

Asn Ala Gly Ala Pro Pro Pro Gly Glu Phe Gly Tyr Asp Glu Ser Asp
1 5 10 15

Tyr

<210> 105
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 105

Ser	Thr	Asp	Cys	Ser	Leu	Tyr	Gly	Ser	Thr	Tyr	Ser	Pro	Asp	Tyr
1				5					10					15

<210> 106
<211> 13
<212> PRT
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<220>
<223> CDR3

<400> 106

Asn	Ala	Asp	Arg	Gly	Ile	Ile	Ile	Tyr	Gly	Lys	Thr	Tyr
1				5					10			

<210> 107
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 107

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

<210> 108
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 108

Gly Val Asp Arg Arg Gln Tyr Gly Trp Gly Ile Pro Pro Leu Ala Asp

1 5 10 15

His

<210> 109
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 109

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

His

<210> 110
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 110

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

His

<210> 111
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 111

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

His

<210> 112
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 112

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

His

<210> 113
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 113

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

His

<210> 114
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 114

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

His

<210> 115
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 115

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

His

<210> 116
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 116

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

His

<210> 117
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 117

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

His

<210> 118

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 118

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

His

<210> 119

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 119

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

His

<210> 120

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 120

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

His

<210> 121

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 121

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

Tyr

<210> 122

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 122

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

His

<210> 123

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 123

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

His

<210> 124

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 124

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

His

<210> 125

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 125

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

His

<210> 126

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 126

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

His

<210> 127

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 127

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

His

<210> 128

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 128

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

His

<210> 129

<211> 17

<212> PRT

<213> Artificial Sequence

<220>
<223> CDR3

<400> 129

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

His

<210> 130
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 130

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

His

<210> 131
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 131

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

His

<210> 132
<211> 17
<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 132

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

His

<210> 133

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 133

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

His

<210> 134

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 134

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

His

<210> 135

<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 135

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

His

<210> 136
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 136

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

His

<210> 137
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 137

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

His

<210> 138

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

<220>
<223> CDR3

<400> 138

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

His

<210> 139
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 139

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

His

<210> 140
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 140

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

His

<210> 141
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 141

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

His

<210> 142
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 142

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

His

<210> 143
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 143

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

His

<210> 144
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 144

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

His

<210> 145
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 145

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

His

<210> 146
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 146

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

His

<210> 147
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 147

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

His

<210> 148
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 148

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

His

<210> 149
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 149

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

His

<210> 150
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 150

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

His

<210> 151
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 151

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

His

<210> 152
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 152

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

His

<210> 153
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 153

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

His

<210> 154
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 154

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

His

<210> 155
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 155

Gly	Val	Asp	Lys	Ile	Gln	Tyr	Gly	Leu	Gly	Leu	Pro	Val	Leu	Ala	Asp
1				5					10					15	

His

<210> 156
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 156

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

His

<210> 157
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 157

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

His

<210> 158
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 158

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

Arg

<210> 159
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 159

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

His

<210> 160
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 160

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

His

<210> 161
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 161

Gly	Val	Asp	Arg	Arg	Gln	Tyr	Gly	Leu	Gly	Ile	Pro	Pro	His	Ala	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 5 10 15

His

<210> 162
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 162

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

His

<210> 163
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 163

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

His

<210> 164
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 164

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

His

<210> 165
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 165

Gly Val Asp Arg Arg Gln Cys Gly Leu Gly Ile Pro Pro Leu Ala Asp
1 5 10 15

His

<210> 166
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 166

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

His

<210> 167
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 167

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

His

<210> 168
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 168

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

Asn

<210> 169
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 169

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

Tyr

<210> 170
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 170

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

His

<210> 171

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 171

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

Gln

<210> 172

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 172

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

His

<210> 173

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 173

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

His

<210> 174

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 174

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

His

<210> 175

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 175

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

His

<210> 176

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 176

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

His

<210> 177

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 177

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

His

<210> 178

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 178

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

His

<210> 179

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 179

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

His

<210> 180

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 180

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

His

<210> 181

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR3

<400> 181

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

His

<210> 182

<211> 17

<212> PRT

<213> Artificial Sequence

<220>
<223> CDR3

<400> 182

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

His

<210> 183
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR3

<400> 183

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

His

<210> 184
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 184

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 185

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 185

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

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

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

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

Lys Asp Arg Ser Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

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

Ala Ala Ser Glu Leu Asp Phe Cys Ser Thr Leu Gly Cys Tyr Asp Tyr
 100 105 110

Trp Gly Gln Gly Ile Gln Val Thr Phe Ser Ser
 115 120

<210> 186
 <211> 129
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 186

Gln Val Gln Leu Val 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 Thr Phe Ser Gly Ser
 20 25 30

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

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

Lys Asp Arg Phe Thr Ile Ala Arg Asp Asn Ala Lys Asn Thr Val Tyr
 65 70 75 80

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

Ala Ala Gly Leu Arg Ala Tyr Tyr Gly Asp Ser Tyr Val Asp Thr Met
 100 105 110

Thr Glu Asn Tyr Asn Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
 115 120 125

Ser

<210> 187
 <211> 123
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 187

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
 100 105 110

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

<210> 188
 <211> 129
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 188

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

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

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

Ala Gly Ile Ser Arg His Gly Gly Ser Thr Gly Tyr Ser Ser Ser Val
50 55 60

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

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

Ala Ala Ala Leu Arg Pro Asp Tyr Gly Asp Ser Tyr Val Tyr Thr Ser
100 105 110

Thr Ser Asn Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser
115 120 125

Ser

<210> 189

<211> 128

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 189

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

Ser Leu Arg Ile Ser Cys Glu Ala Ser Gly Arg Thr Phe Met Arg Tyr

	20		25		30										
Ser	Met	Gly	Trp	Phe	Arg	Gln	Ala	Ser	Gly	Lys	Glu	Arg	Glu	Phe	Val
		35					40					45			
Ala	Ala	Ile	Ser	Trp	Gly	Gly	Ser	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Ile	Ile	Ser	Arg	Asp	Asn	Thr	Lys	Asn	Thr	Val	Phe
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Lys	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
				85					90					95	
Ala	Ala	Asp	Thr	Asn	Pro	Ser	Gly	Ser	Trp	Asp	Arg	Pro	Thr	Asn	Glu
			100					105						110	
Ala	Glu	Tyr	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser
		115					120					125			
<210>	190														
<211>	125														
<212>	PRT														
<213>	Artificial Sequence														
<220>															
<223>	VHH														
<400>	190														
Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Leu	Gln	Ala	Gly	Asp
1				5					10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Ile	Ala	Ser	Gly	Arg	Thr	Phe	Ser	Ser	Tyr
			20					25					30		
Ala	Met	Gly	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Phe	Val
		35					40					45			
Ala	Gly	Ile	Asn	Gly	Asn	Gly	Arg	Ser	Gln	Tyr	Tyr	Ala	Glu	Val	Val
	50					55					60				

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

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

Ala Ala Glu Gly His Leu Gly Val Pro Thr Val Arg Ser Asp Glu Tyr
100 105 110

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

<210> 191
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 191

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

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

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

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

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

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

Ala Gly Gly Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 192
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 192

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

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

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

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

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

Asn Ala Pro Ala Ala Met Arg Asp Tyr Gly Ile Asp Tyr Trp Gly Lys
100 105 110

Gly Thr Leu Val Asn Val Ser Ser
115 120

<210> 193
<211> 117
<212> PRT
<213> Artificial Sequence

<220>

<223> VHH

<400> 193

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

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

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

Ala Ala Ile Ser Trp Asp Gly Glu Thr Ser Tyr Ala Asp Ser Val Lys
50 55 60

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

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

Ala Arg Val Ile Leu Arg Ala Tyr Lys Tyr Trp Gly Gln Gly Thr Gln
100 105 110

Val Thr Val Ser Ser
115

<210> 194

<211> 126

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 194

Gln Val Gln Leu Val 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 Arg Thr Phe Ser Ser Tyr
20 25 30

Ala Met Gly Trp Phe Arg Gln Ala Leu Gly Lys Glu Arg Glu Trp Ile
35 40 45

Ala Gly Val Ser Met Ser Gly Arg Thr Thr Tyr Tyr Ala Ala Pro Val
50 55 60

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

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

Ala Ala Gly Arg Ala Gln Ala Glu Ile Pro Ile Met Arg Ala Gln Glu
100 105 110

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

<210> 195
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 195

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 196
<211> 128
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 196

Gln Val Gln Leu Gln 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 Arg Ser Phe Asn Ser Tyr
20 25 30

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

Ala Ala Ile Ser Gln Asn Gly Gly Thr Gln Gly Tyr Ala Glu Ala Val
50 55 60

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

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

Ala Ala Asp Gly Asp Ala Ser Asp Ile Ser Tyr Ala Pro Pro Arg Asp
100 105 110

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

115

120

125

<210> 197
 <211> 123
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 197

Gln Val Gln Leu Val 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 Asp Thr Ser Phe Ile Ser
 20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
 100 105 110

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

<210> 198
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 198

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 199

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 199

Glu Val Gln Leu Val 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 Arg Thr Phe Asn Gly Tyr
20 25 30

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

35	40	45																	
Ala	Ala	Ile	Ser	Trp	Arg	Asp	Ser	Ser	Lys	Tyr	Tyr	Ala	Asp	Ser	Val				
50						55					60								
Arg	Asp	Arg	Phe	Thr	Ala	Ser	Arg	Asp	Asn	Ala	Lys	Asn	Thr	Val	Tyr				
65					70					75					80				
Leu	Gln	Met	Asn	Ser	Leu	Lys	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys				
			85						90					95					
Arg	Pro	Tyr	Ser	Asp	Tyr	Val	Thr	Tyr	Asp	Pro	Tyr	Asp	Tyr	Asp	Ala				
			100					105					110						
Trp	Gly	Gln	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser									
		115					120												
<210>	200																		
<211>	124																		
<212>	PRT																		
<213>	Artificial Sequence																		
<220>																			
<223>	VHH																		
<400>	200																		
Gln	Val	Gln	Leu	Val	Glu	Thr	Gly	Gly	Gly	Leu	Val	Arg	Ala	Gly	Gly				
1			5					10					15						
Ser	Leu	Arg	Leu	Ser	Cys	Thr	Ala	Ser	Gly	Arg	Pro	Phe	Ser	Ile	Tyr				
			20					25					30						
Asp	Met	Gly	Trp	Phe	Arg	Gln	Ala	Pro	Asp	Lys	Glu	Arg	Glu	Ser	Val				
		35					40					45							
Ala	Val	Ile	Asn	Leu	Ser	Arg	Gly	Asp	Thr	Tyr	Tyr	Ala	Asp	Ser	Val				
	50					55					60								
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Leu	Asp	Ser	Ala	Lys	Asn	Thr	Val	Tyr				
65					70					75					80				

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 201
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 201

Glu Val Gln Val Val 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 Asp Thr Ile Leu Ile Ser
20 25 30

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

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

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

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

Ala Gly Gly Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

Trp Gly Pro Gly Thr His Val Thr Val Ser Ser
115 120

<210> 202
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 202

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Phe Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 203
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 203

Gln Val Gln Leu Gln 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 Leu Asp Asp His
 20 25 30

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

Ser Cys Ile Ser Thr Ser Asp Gly Arg Thr Tyr Tyr Glu Asp Ser Val
 50 55 60

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

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

Thr Thr Asp Val Ala Cys Tyr Ser Asp Tyr Asp Pro Ser Phe Arg Phe
 100 105 110

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

<210> 204
 <211> 128
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 204

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

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

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

Ala Ala Ile Ser Gln Asn Gly Gly Ser Gln Gly Tyr Ala Glu Ala Val
50 55 60

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

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

Ala Ala Asp Gly Asp Ala Ser Asp Arg Ser Tyr Ala Pro Pro Arg Asp
100 105 110

Tyr Glu Tyr Glu Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120 125

<210> 205
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 205

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 206
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 206

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

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

Pro Met Gly Trp Phe Arg Gln Ala Pro Gly Asn Gln Arg Glu Phe Val
35 40 45

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

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

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

Ala Ala Ser Ser Phe Asp Phe Cys Ser Thr His Gly Cys Tyr Asp Tyr
100 105 110

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

<210> 207

<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 207

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

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

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 208
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 208

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

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

Thr Val Gly Trp Tyr Arg Gln Ser Pro Gly Lys Glu Arg Glu Phe Val
35 40 45

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

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

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

Asn Arg Val Ile Arg Gly Thr Arg Asp Pro Ser Ile Tyr Tyr Val Met
100 105 110

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

<210> 209
<211> 129
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 209

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

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

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

Ala Gly Ile Ser Arg Asn Gly Arg Ser Thr Gly Tyr Ser Asp Ser Ala

50

55

60

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

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

Ala Ala Gly Leu Lys Ala Asp Tyr Gly Asp Ser Tyr Val Asp Thr Ser
 100 105 110

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

Ser

<210> 210

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 210

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

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

Pro Met Gly Trp Phe Arg Gln Ala Pro Gly Asn Gln Arg Glu Phe Val
 35 40 45

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

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

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

Ala Ala Ser Ser Tyr Asp Phe Cys Ser Thr His Gly Cys Tyr Asp Tyr
100 105 110

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

<210> 211
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 211

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

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

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

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

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

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

Ala Ala Ser Asp Tyr Asp Phe Cys Ser Thr His Gly Cys Tyr Asp Tyr
100 105 110

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

<210> 212
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 212

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

Ser Leu Arg Leu Ser Cys Ile Val Ser Gly Arg Thr Phe Ser Ser Tyr
20 25 30

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

Ala Gly Ile Asn Trp Ser Gly Arg Ser Gln Tyr Tyr Ser Glu Ser Val
50 55 60

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

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

Ala Ala Glu Arg His Leu Gly Val Pro Thr Val Arg Asp Asp Glu Tyr
100 105 110

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

<210> 213
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 213

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

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

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

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

Lys Asp Arg Ser Thr Ile Ala Arg Asp Asn Thr Lys Asn Thr Val Tyr
65 70 75 80

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

Ala Ala Ser Glu Tyr Asp Phe Cys Ser Thr His Gly Cys Tyr Asp Tyr
100 105 110

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

<210> 214
<211> 125
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 214

Gln Val Gln Leu Val 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 Thr Phe Ser Asn Phe
20 25 30

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

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

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

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

Asn Arg Val Ile Arg Gly Thr Thr Tyr Pro Asp Val Tyr Tyr Gly Met
100 105 110

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

<210> 215
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 215

Glu Val Gln Leu Val 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 Arg Thr Phe Ser Ser Tyr
20 25 30

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

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

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

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

Arg Pro Tyr Ser Asp Tyr Val Thr Tyr Asp Pro Asp Asp Tyr Asp Tyr
100 105 110

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

<210> 216
<211> 128
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 216

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

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

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

Ala Ala Ile Ser Trp Ser Gly Gly Ser Gln Gly Tyr Ala Ala Ala Val
50 55 60

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

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

Ala Ala Lys Tyr His Ser Gly Ser Tyr Tyr Tyr Thr Ser Ile Arg Pro
100 105 110

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

<210> 217

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

<220>
<223> VHH

<400> 217

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

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

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

Ala Thr Thr Ala Arg Asp Ser Gly Ser Thr Phe Tyr Ala Ala Ser Val
50 55 60

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

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

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

Ser Ser

<210> 218
<211> 118
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 218

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

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

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

Ser Ala Ile Ser Ser Gly Ser Gly Glu Met Ala Asp Tyr Ala Asp Ser
 50 55 60

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

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

Cys Ala Lys Gly Gly Tyr Leu Thr Tyr Ala Asn Leu Gly Pro Gly Thr
 100 105 110

Gln Val Thr Val Ser Ser
 115

<210> 219
 <211> 123
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 219

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

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

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

Ala Ala Ile Thr Asn Ser Gly Val Thr Tyr Tyr Ala Asp Ser Val Lys

50

55

60

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

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

Ala Gly Ala Pro Pro Pro Gly Glu Phe Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 220

<211> 122

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 220

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

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

Ser Ile Gly Trp Phe Arg Gln Ala Pro Gly Arg Ala Arg Glu Ala Val
35 40 45

Ser Cys Thr Ser Asn Arg Asp Gly Ser Thr Tyr Tyr Glu Asp Ser Val
50 55 60

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

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

Ser Thr Asp Cys Ser Leu Tyr Gly Ser Thr Tyr Ser Pro Asp Tyr Trp
100 105 110

Gly Gln Gly Thr Gln Val Ile Val Ser Ser
115 120

<210> 221
<211> 120
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 221

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

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

Ala Ser Ile Thr Ile Asp Gly Gly Ser Thr Asn Tyr Ala 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 Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Asn Ala Asp Arg Gly Ile Ile Ile Tyr Gly Lys Thr Tyr Trp Gly Gln
100 105 110

Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 222
<211> 123
<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 222

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

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

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

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

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

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

Arg Pro Tyr Ser Asp Tyr Val Ser Tyr Asp Pro Thr Glu Tyr Asp Ser
100 105 110

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

<210> 223

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 223

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 Ser Ala Ser Gly Asp Thr Ser Phe Ile Ser
20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 224
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 224

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 Ser Ala Ser Gly Asp Thr Ser Phe Ile Ser
20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 225
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 225

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 Ser Ala Ser Gly Asp Thr Ser Phe Ile Ser
20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 226
<211> 123
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 226

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 Ser Ala Ser Gly Asp Thr Ser Phe Ile Ser
20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 227
<211> 123
<212> PRT
<213> Artificial Sequence

<220>

<223> VHH

<400> 227

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 Ser Ala Ser Gly Asp Thr Ser Phe Ile Ser
20 25 30

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

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

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

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

Ala Gly Ala Pro Pro Pro Gly Gly Leu Gly Tyr Asp Glu Ser Asp Tyr
100 105 110

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

<210> 228

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 228

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 Arg Pro Phe Ser Ile Tyr
20 25 30

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 229
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 229

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 Arg Pro Phe Ser Ile Tyr
20 25 30

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

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

Lys Gly Arg Phe Thr Ile Ser Arg Asp Ser Ala Lys Asn Thr Val Tyr

65		70		75		80									
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Ser	Cys
				85					90					95	
Gly	Val	Asp	Arg	Arg	Gln	Tyr	Gly	Leu	Gly	Ile	Pro	Pro	Leu	Ala	Asp
			100					105					110		
His	Trp	Gly	Gln	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser				
		115					120								
<210> 230															
<211> 124															
<212> PRT															
<213> Artificial Sequence															
<220>															
<223> VHH															
<400> 230															
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	Thr	Ala	Ser	Gly	Arg	Pro	Phe	Ser	Ile	Tyr
			20					25					30		
Asp	Met	Gly	Trp	Phe	Arg	Gln	Ala	Pro	Asp	Lys	Glu	Arg	Glu	Ser	Val
		35					40					45			
Ala	Val	Ile	Ser	Leu	Ser	Arg	Gly	Asn	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
		50					55				60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Leu	Asp	Ser	Ala	Lys	Asn	Thr	Val	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Ser	Cys
				85					90					95	
Gly	Val	Asp	Arg	Arg	Gln	Tyr	Gly	Leu	Gly	Ile	Pro	Pro	Leu	Ala	Asp
			100					105					110		

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

<210> 231
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 231

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 Arg Pro Phe Ser Ile Tyr
20 25 30

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 232
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 232

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 Arg Pro Phe Ser Ile Tyr
20 25 30

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 233

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 233

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 234
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 234

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Trp Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 235
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 235

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Cys Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 236
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 236

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Asp Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 237
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 237

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro His Leu Ala Asp
 100 105 110

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

<210> 238
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 238

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

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

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

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

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

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

Gly Leu Asp Arg Ile Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 239
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 239

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

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

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

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

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

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

85

90

95

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ser Pro Pro Leu Ala Asp
 100 105 110

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

<210> 240

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 240

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Asp Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 241
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 241

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

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

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

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

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

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

Gly Val Gly Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 242
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 242

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

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

<210> 243
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 243

Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Ser	Ala	Gln	Ala	Gly	Gly
1			5					10						15	
Ser	Leu	Arg	Leu	Ser	Cys	Thr	Ala	Ser	Gly	Arg	Pro	Phe	Ser	Ile	Tyr
			20					25					30		
Asp	Met	Gly	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Ser	Val
		35					40					45			

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Pro Ala Asp
100 105 110

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

<210> 244
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 244

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

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

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

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

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

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

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

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

<210> 245
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 245

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Phe Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 246
<211> 124

<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 246

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Leu Pro Pro Leu Ala Asp
100 105 110

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

<210> 247
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 247

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 248
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 248

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

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

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

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

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

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

Gly Val Asp Ser Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 249
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 249

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

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

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

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

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

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

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

100

105

110

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

<210> 250

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 250

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

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

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

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

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

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

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

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

<210> 251

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 251

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Arg Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 252

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 252

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

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Pro Phe Ser Ile Tyr

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

<210> 253
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 253

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

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

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

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

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

<210> 254
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 254

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Leu Pro Leu Ala Asp
100 105 110

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

<210> 255
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 255

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile His Pro Leu Ala Asp
100 105 110

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

<210> 256
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> VHH

<400> 256

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Val Pro Pro Leu Ala Asp
100 105 110

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

<210> 257

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 257

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

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

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

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

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

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

Gly Val Val Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 258
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 258

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Ser Pro Leu Ala Asp
100 105 110

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

<210> 259
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 259

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

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

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

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

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

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

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

His Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser

115

120

<210> 260
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 260

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

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

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

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

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

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

Gly Val Asp Lys Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 261
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 261

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

Ser Leu Thr Leu Ser Cys Thr Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

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

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

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 262

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 262

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

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

Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val

35

40

45

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

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

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

Gly Val Asp Arg Arg Arg Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 263

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 263

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Ser Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 264
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 264

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

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

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

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

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

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

Gly Val Asp Gly Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 265
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 265

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln His Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 266
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 266

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Trp Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 267
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 267

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

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

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

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

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

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

Gly Val Asp Arg Gln Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 268
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 268

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

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

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

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

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

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

Gly Val Asp Arg Trp Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 269
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 269

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

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

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

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

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

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

Gly Gly Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 270

<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 270

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

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

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

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

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

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

Gly Val Asn Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 271
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 271

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

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

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

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

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

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

Val Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 272
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 272

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

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

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

Ala Val Ile Asn Leu Ser Arg Gly Asn Thr Tyr Tyr Ala Asp Ser Val

50

55

60

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Arg Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 273

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 273

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Ala
100 105 110

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

<210> 274
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 274

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

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

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

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

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

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

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

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

<210> 275
<211> 124
<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 275

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

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

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

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

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

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

Gly Val Asp Arg Leu Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 276

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 276

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Arg Pro Leu Ala Asp
100 105 110

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

<210> 277
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 277

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

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

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

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

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

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

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

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

<210> 278
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 278

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

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

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

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

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

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

Gly Ala Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 279
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 279

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Ser Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 280
<211> 124
<212> PRT
<213> Artificial Sequence

<220>

<223> VHH

<400> 280

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

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

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

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

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

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

Gly Val Asp Ile Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 281

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 281

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

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

Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Asn Glu Arg Glu Ser Val
35 40 45

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

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

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

Gly Val Asp Lys Ile Gln Tyr Gly Leu Gly Leu Pro Val Leu Ala Asp
100 105 110

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

<210> 282
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 282

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

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

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

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

Lys Gly Arg Phe Thr Ile Ser Leu Asp Ser Ala Lys Asn Thr Val Tyr

65		70		75		80									
Leu	Gln	Met	Asn	Ser	Leu	Lys	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Ser	Cys
				85					90					95	
Gly	Val	Asp	Arg	Arg	Gln	Tyr	Gly	Leu	Gly	Ile	Pro	Pro	Arg	Ala	Asp
			100					105					110		
His	Trp	Gly	Gln	Gly	Thr	Gln	Val	Thr	Val	Ser	Ser				
		115					120								
<210> 283															
<211> 124															
<212> PRT															
<213> Artificial Sequence															
<220>															
<223> VHH															
<400> 283															
Gln	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Ser	Ala	Gln	Ala	Gly	Gly
1			5						10					15	
Ser	Leu	Arg	Leu	Ser	Cys	Thr	Ala	Ser	Gly	Arg	Pro	Phe	Ser	Ile	Tyr
			20					25					30		
Asp	Met	Gly	Trp	Phe	Arg	Gln	Ala	Pro	Gly	Lys	Glu	Arg	Glu	Ser	Val
		35					40					45			
Ala	Val	Ile	Asn	Leu	Ser	Arg	Gly	Asn	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
	50					55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Leu	Asp	Ser	Ala	Lys	Asn	Thr	Val	Tyr
65					70					75					80
Leu	Gln	Met	Asn	Ser	Leu	Lys	Pro	Glu	Asp	Thr	Ala	Val	Tyr	Ser	Cys
				85					90					95	
Gly	Val	Asp	Arg	Arg	Gln	Tyr	Gly	Leu	Gly	Ile	Pro	Pro	Phe	Ala	Asp
			100					105					110		

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

<210> 284
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 284

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 285
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 285

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Gly
100 105 110

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

<210> 286

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 286

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Val Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 287
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 287

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro His Ala Asp
100 105 110

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

<210> 288
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 288

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

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

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

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

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

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

Gly Val Ala Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 289
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 289

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

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

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

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

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

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

Gly Val Tyr Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 290
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 290

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

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

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

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

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

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

Gly Val Asp Arg Cys Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 291
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 291

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Cys Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 292
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 292

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

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

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

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

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

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

85

90

95

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Val Asp
 100 105 110

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

<210> 293

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 293

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

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

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

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

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

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

Gly Val Asp Arg Arg Pro Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 294
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 294

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 295
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 295

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

1	5	10	15
Ser	Leu	Arg	Leu
	20		
Ser	Cys	Thr	Ala
			25
Ser	Gly	Arg	Thr
Phe	Ser	Gly	Tyr
	30		
Ala	Met	Gly	Trp
	35		
Phe	Arg	Gln	Ala
			40
Pro	Gly	Lys	Glu
			45
Arg	Glu	Ser	Val
Ala	Ala	Val	Thr
	50		
Leu	Ser	Arg	Gly
			55
Asn	Thr	Tyr	Tyr
			60
Ala	Asp	Ser	Val
Lys	Gly	Arg	Phe
	65		
Thr	Ile	Ser	Arg
	70		
Asp	Asn	Ala	Lys
			75
Asn	Thr	Phe	Tyr
			80
Leu	Gln	Met	Thr
Ser	Leu	Lys	Pro
	85		
Glu	Asp	Thr	Ala
	90		
Val	Tyr	His	Cys
			95
Gly	Leu	Asp	Arg
			100
Ile	Gln	Tyr	Gly
Leu	Gly	Ile	Pro
	105		
Pro	Pro	Leu	Ala
			110
Asp			
Tyr	Trp	Gly	Gln
Gly	Thr	Gln	Val
			120
Thr	Val	Ser	Ser
	115		
<210>	296		
<211>	124		
<212>	PRT		
<213>	Artificial Sequence		
<220>			
<223>	VHH		
<400>	296		
Gln	Val	Gln	Leu
			5
Val	Glu	Ser	Gly
Gly	Gly	Gly	Ser
	10		
Ala	Gln	Ala	Gly
			15
Gly			
Ser	Leu	Arg	Leu
	20		
Ser	Cys	Thr	Ala
			25
Ser	Gly	Gly	Pro
Phe	Ser	Ile	Tyr
	30		
Asp	Met	Gly	Trp
	35		
Phe	Arg	Gln	Ala
			40
Pro	Gly	Lys	Glu
			45
Arg	Glu	Ser	Val

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

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

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

Gly Leu Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 297
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 297

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 298
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 298

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Ile Ala Asp
100 105 110

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

<210> 299
<211> 124

<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 299

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Val Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 300
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 300

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Val Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 301
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 301

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ser Asp
100 105 110

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

<210> 302
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 302

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

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

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

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

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

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

Gly Ile Asp Arg Ile Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp

100

105

110

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

<210> 303

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 303

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

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

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

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

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

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

Gly Val Asp Arg Arg Glu Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

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

<210> 304

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 304

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Ser Leu Ala Asp
100 105 110

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

<210> 305

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 305

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

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Pro Phe Ser Ile Tyr

	20		25		30
Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val	35	40	45		
Ala Val Ile Asn Leu Ser Arg Gly Asn Thr Tyr Tyr Ala Asp Ser Val	50	55	60		
Lys Gly Arg Phe Thr Ile Ser Leu Asp Ser Ala Lys Asn Thr Val Tyr	65	70	75	80	
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Ser Cys	85	90	95		
Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala His	100	105	110		
His Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser	115	120			
<210> 306					
<211> 124					
<212> PRT					
<213> Artificial Sequence					
<220>					
<223> VHH					
<400> 306					
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Ser Ala Gln Ala Gly Gly	1	5	10	15	
Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Pro Phe Ser Ile Tyr	20	25	30		
Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val	35	40	45		
Ala Val Ile Asn Leu Ser Arg Gly Asn Thr Tyr Tyr Ala Asp Ser Val	50	55	60		

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

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

Gly Val Asp Arg Arg Gln Asn Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

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

<210> 307
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 307

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

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

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

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

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

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

Gly Val Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Val
100 105 110

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

<210> 308
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 308

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

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

Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val
 35 40 45

Ala Val Ile Asn Leu Ser Arg Gly Asn Thr Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Leu Asp Ser Ala Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Ser Cys
 85 90 95

Gly Val Asp Arg Arg Gln Tyr Gly Trp Cys Ile Pro Pro Leu Ala Asp
 100 105 110

His Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
 115 120

<210> 309
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>

<223> VHH

<400> 309

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Ser Ala Gln Ala Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Pro Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Leu Ser Arg Gly Asn Thr Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Leu Asp Ser Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Val Asp Arg Arg Gln Tyr Glu Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser
115 120

<210> 310

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 310

Gln 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 Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 311
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 311

Gln Leu Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 312
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 312

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Thr Leu Ser Cys Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser

115

120

<210> 313
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 313

Gln 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 Thr Ala Ser Gly His Ser Phe Ser Ile Tyr
 20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
 35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
 85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
 115 120

<210> 314
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 314

Gln 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 Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Pro Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 315

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 315

Gln 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 Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Gly Lys Glu Arg Glu Ser Val

35

40

45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
 85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
 100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
 115 120

<210> 316

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> VHH

<400> 316

Gln 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 Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
 20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
 35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Leu Asp Asn Ala Lys Asn Thr Val Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 317
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 317

Gln 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 Ser Ala Ser Gly His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 318
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 318

Gln 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 Ser Ala Ser Gly Phe Thr Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 319
<211> 124
<212> PRT
<213> Artificial Sequence

<220>
<223> VHH

<400> 319

Glu Leu 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 His Ser Phe Ser Ile Tyr
20 25 30

Asp Met Gly Trp Phe Arg Gln Ala Ala Asp Lys Glu Arg Glu Ser Val
35 40 45

Ala Val Ile Asn Phe Gly Arg Gly Thr Thr Tyr Tyr Ala Glu Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Ser Cys
85 90 95

Gly Ile Asp Arg Arg Gln Tyr Gly Leu Gly Ile Pro Pro Leu Ala Asp
100 105 110

His Trp Gly Gln Gly Ser Gln Val Thr Val Ser Ser
115 120

<210> 320
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1

<400> 320

Gly Phe Thr Phe Ser Ile Tyr Asp
1 5

<210> 321
<211> 229
<212> PRT
<213> Artificial Sequence

<220>
<223> CH

<400> 321

Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Phe
1 5 10 15

Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr
20 25 30

Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val
35 40 45

Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp Gly Val
50 55 60

Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser
65 70 75 80

Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu
85 90 95

Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu Pro Ser
100 105 110

Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro
115 120 125

Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys Asn Gln
130 135 140

Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala
145 150 155 160

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr
165 170 175

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Arg Leu
180 185 190

Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser
195 200 205

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
 210 215 220

Leu Ser Leu Gly Lys
 225

<210> 322
 <211> 369
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 322
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 tcctgtgcag cctctggaga caccagcttt atttctgccg cgggctggta ccgccaggct 120
 ccagggaagg agcgcgaatt ggtcgcagcg attactaata ctggtatcac atactatcca 180
 gactccgtga agggccgatt caccatctcc agagacaatg ccaaaaacac ggtgtatctg 240
 caaatgaaca acctgaaacc tgaggacacg gccgtctatt actgtaacgc aggagcccct 300
 cctcctggcg ggttggggta tgatgaatcc gactactggg gccaggggac ccaggtcacc 360
 gtctcctca 369

<210> 323
 <211> 372
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> VHH

<400> 323
 caggtgcagc tgggtggagac tgggggagga ttggtgcggg ctgggggctc tctgagactc 60
 tcctgtacag cctctggacg ccccttcagt atttatgaca tgggctggtt ccgccaggct 120
 ccagacaaag agcgtgagtc ggtagcagta attaatttga gtcgtggtga cacatactat 180
 gcagactccg tgaagggccg attcaccatc tccctcgact ccgccaagaa cacggtgtat 240
 ctgcagatga acagcctgaa acctgaggac acggccgttt atagctgtgg agtagataga 300

cgtcagtagc gattgggcat cccccccctt gctgaccact ggggccaggg gacccaggtc 360
accgtctcct ca 372

<210> 324
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 324
gtcctggctg ctcttctaca aggc 24

<210> 325
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 325
ggtacgtgct gttgaactgt tcc 23

<210> 326
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 326
gatgtgcagc tgcaggagtc tggrggagg 29

<210> 327
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> primer

<400> 327
ggactagtgc ggccgctgga gacggtgacc tgggt 35