

SEQUENCE LISTING

<110> Oxford Genetics Limited

<120> Method of selecting antibodies

<130> 489.142378/04

<160> 8

<170> PatentIn version 3.5

<210> 1

<211> 299

<212> PRT

<213> Homo sapiens

<400> 1

Met Gln Ile Pro Gln Ala Pro Trp Pro Val Val Trp Ala Val Leu Gln
1 5 10 15

Leu Gly Trp Arg Pro Gly Trp Phe Ala Glu Gln Lys Leu Ile Ser Glu
20 25 30

Glu Asp Leu Leu Asp Ser Pro Asp Arg Pro Trp Asn Pro Pro Thr Phe
35 40 45

Ser Pro Ala Leu Leu Val Val Thr Glu Gly Asp Asn Ala Thr Phe Thr
50 55 60

Cys Ser Phe Ser Asn Thr Ser Glu Ser Phe Val Leu Asn Trp Tyr Arg
65 70 75 80

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

Arg Ser Gln Pro Gly Gln Asp Cys Arg Phe Arg Val Thr Gln Leu Pro
100 105 110

Asn Gly Arg Asp Phe His Met Ser Val Val Arg Ala Arg Arg Asn Asp
115 120 125

Ser Gly Thr Tyr Leu Cys Gly Ala Ile Ser Leu Ala Pro Lys Ala Gln
130 135 140

Ile Lys Glu Ser Leu Arg Ala Glu Leu Arg Val Thr Glu Arg Arg Ala
145 150 155 160

Glu Val Pro Thr Ala His Pro Ser Pro Ser Pro Arg Pro Ala Gly Gln
165 170 175

Phe Gln Thr Leu Val Val Gly Val Val Gly Gly Leu Leu Gly Ser Leu
180 185 190

Val Leu Leu Val Trp Val Leu Ala Val Ile Cys Ser Arg Ala Ala Arg
195 200 205

Gly Thr Ile Gly Ala Arg Arg Thr Gly Gln Pro Leu Lys Glu Asp Pro
210 215 220

Ser Ala Val Pro Val Phe Ser Val Asp Tyr Gly Glu Leu Asp Phe Gln
225 230 235 240

Trp Arg Glu Lys Thr Pro Glu Pro Pro Val Pro Cys Val Pro Glu Gln
245 250 255

Thr Glu Tyr Ala Thr Ile Val Phe Pro Ser Gly Met Gly Thr Ser Ser
260 265 270

Pro Ala Arg Arg Gly Ser Ala Asp Gly Pro Arg Ser Ala Gln Pro Leu
275 280 285

Arg Pro Glu Asp Gly His Cys Ser Trp Pro Leu
290 295

<210> 2
<211> 10
<212> PRT
<213> Homo sapiens

<400> 2

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 3
<211> 278

<212> PRT
<213> Artificial Sequence

<220>
<223> scFv protein sequence (X indicates CDRH3 and CDRL3 sequences)

<220>
<221> misc_feature
<222> (117)..(124)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (237)..(249)
<223> Xaa can be any naturally occurring amino acid

<400> 3

Met Trp Met Lys Ile Lys Thr Gly Ala Arg Ile Leu Ala Leu Ser Ala
1 5 10 15

Leu Thr Thr Met Met Phe Ser Ala Ser Ala Leu Ala Asp Ile Gln Met
20 25 30

Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr
35 40 45

Ile Thr Cys Arg Ala Ser Gln Ser Val Ser Ser Ala Val Ala Trp Tyr
50 55 60

Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ser Ala Ser
65 70 75 80

Ser Leu Tyr Ser Cys Val Pro Ser Arg Phe Ser Gly Ser Arg Ser Gly
85 90 95

Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala
100 105 110

Thr Tyr Tyr Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Gly Gln Gly
115 120 125

Thr Lys Val Gly Gly Ser Ser Arg Ser Ser Glu Val Gln Leu Val Glu
130 135 140

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

Ala Ala Ser Gly Phe Asn Leu Tyr Tyr Ser Tyr Ile His Trp Val Arg
165 170 175

Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala Ser Ile Ser Pro Ser
180 185 190

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

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

Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Xaa Xaa Xaa Xaa
225 230 235 240

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Phe Asp Tyr Trp Gly Gln
245 250 255

Gly Thr Leu Val Thr Val Ser Ser Thr Ser Leu Glu Tyr Tyr Pro Tyr
260 265 270

Asp Val Pro Asp Tyr Ala
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<210> 4
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid linker

<400> 4

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

Gly

<210> 5
<211> 297
<212> PRT
<213> Artificial Sequence

<220>
<223> Pembrolizumab

<400> 5

Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
1 5 10 15

Val His Ser Glu Leu Val Met Thr Gln Val Gln Leu Val Gln Ser Gly
20 25 30

Val Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser Cys Lys Ala
35 40 45

Ser Gly Tyr Thr Phe Thr Asn Tyr Tyr Met Tyr Trp Val Arg Gln Ala
50 55 60

Pro Gly Gln Gly Leu Glu Trp Met Gly Gly Ile Asn Pro Ser Asn Gly
65 70 75 80

Gly Thr Asn Phe Asn Glu Lys Phe Lys Asn Arg Val Thr Leu Thr Thr
85 90 95

Asp Ser Ser Thr Thr Thr Ala Tyr Met Glu Leu Lys Ser Leu Gln Phe
100 105 110

Asp Asp Thr Ala Val Tyr Tyr Cys Ala Arg Arg Asp Tyr Arg Phe Asp
115 120 125

Met Gly Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
130 135 140

Ala Ser Thr Lys Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
145 150 155 160

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Ile Val
165 170 175

Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala
180 185 190

Thr Leu Ser Cys Arg Ala Ser Lys Gly Val Ser Thr Ser Gly Tyr Ser
195 200 205

Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu
210 215 220

Ile Tyr Leu Ala Ser Tyr Leu Glu Ser Gly Val Pro Ala Arg Phe Ser
225 230 235 240

Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu
245 250 255

Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln His Ser Arg Asp Leu Pro
260 265 270

Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Leu Glu Tyr
275 280 285

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
290 295

<210> 6
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Amino acid linker

<400> 6

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

<210> 7
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 7
cgatatcaaa ggaggtaccc aacatg 26

<210> 8
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> PCR primer

<400> 8
cgcataatcc ggcacatcat acggatagta c 31