

SEQUENCE LISTING

<110> Immatics Biotechnologies GmbH
 <120> T cell receptors with improved pairing
 <130> I33005W0
 <150> DE 10 2016 123 893.7
 <151> 2016-12-08
 <150> US 62/497,895
 <151> 2016-12-08
 <160> 4
 <170> PatentIn version 3.5
 <210> 1
 <211> 92
 <212> PRT
 <213> Artificial
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 <223> TCR alpha chain variable domain of R7P1D5 (TRAV5)
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 Gly Glu Asp Val Glu Gln Ser Leu Phe Leu Ser Val Arg Glu Gly Asp
 1 5 10 15
 Ser Ser Val Ile Asn Cys Thr Tyr Thr Asp Ser Ser Ser Thr Tyr Leu
 20 25 30
 Tyr Trp Tyr Lys Gln Glu Pro Gly Ala Gly Leu Gln Leu Leu Thr Tyr
 35 40 45
 Ile Phe Ser Ile Asn Met Asp Met Lys Gln Asp Gln Arg Leu Thr Val
 50 55 60
 Leu Leu Asn Lys Lys Asp Lys His Leu Ser Leu Arg Ile Ala Asp Thr
 65 70 75 80
 Gln Thr Gly Asp Ser Ala Ile Tyr Phe Cys Ala Glu
 85 90
 <210> 2
 <211> 94
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 <223> TCR beta chain variable domain of R7P1D5 (TRBV12-4)
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 Asp Ala Gly Val Ile Gln Ser Pro Arg His Glu Val Thr Glu Met Gly
 1 5 10 15

Gln Glu Val Thr Leu Arg Cys Lys Pro Ile Ser Gly His Asp Tyr Leu
20 25 30

Phe Trp Tyr Arg Gln Thr Met Met Arg Gly Leu Glu Leu Leu Ile Tyr
35 40 45

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

Phe Ser Ala Lys Met Pro Asn Ala Ser Phe Ser Thr Leu Lys Ile Gln
65 70 75 80

Pro Ser Glu Pro Arg Asp Ser Ala Val Tyr Phe Cys Ala Ser
85 90

<210> 3

<211> 95

<212> PRT

<213> Artificial

<220>

<223> TCR alpha chain variable domain of TRAV 8-6

<400> 3

Ala Gln Ser Val Thr Gln Leu Asp Ser Gln Val Pro Val Phe Glu Glu
1 5 10 15

Ala Pro Val Glu Leu Arg Cys Asn Tyr Ser Ser Ser Val Ser Val Tyr
20 25 30

Leu Phe Trp Tyr Val Gln Tyr Pro Asn Gln Gly Leu Gln Leu Leu Leu
35 40 45

Lys Tyr Leu Ser Gly Val Ser Thr Leu Val Glu Ser Ile Asn Gly Phe
50 55 60

Glu Ala Glu Phe Asn Lys Ser Gln Thr Ser Phe His Leu Arg Lys Pro
65 70 75 80

Ser Val His Ile Ser Asp Thr Ala Glu Tyr Phe Cys Ala Val Ser
85 90 95

<210> 4

<211> 95

<212> PRT

<213> Artificial

<220>

<223> TCR beta chain variable domain of TRBV 6-5

<400> 4

Asn Ala Gly Val Thr Gln Thr Pro Lys Phe Gln Val Leu Lys Thr Gly
1 5 10 15

Gln Ser Met Thr Leu Gln Cys Ala Gln Asp Met Asn His Glu Tyr Met
20 25 30

Ser Trp Tyr Arg Gln Asp Pro Gly Met Gly Leu Arg Leu Ile His Tyr
35 40 45

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

Asn Val Ser Arg Ser Thr Thr Glu Asp Phe Pro Leu Arg Leu Leu Ser
65 70 75 80

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

- 2 -