

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKDKHLSLRIADTQTGDSAIYFCAEPNQAGTALIFGKGTTLSVSS (SEQ ID NO:1)

Fig. 1a

NAGVTQTPKFRVLKTGQSMTLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYEQYFGPGTRTLTVT (SEQ ID NO:2)

Fig. 1b

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNQAGTALIFGKGTTLSVSS (SEQ ID NO:3)

Fig. 2a

NAGVTQTPKYL SVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYEQYFGPGTRTLTVT (SEQ ID NO:4)

Fig. 2b

GGTGAGGACGTGGAACAGAGCCTGAGCCTGAGCGTGCGTGAGGGCGACAGCGTTAGCATC
AACTGCACCTACACCGATAGCAGCAGCACCTACCTGTATTGGTACAAGCAGGAACCGGGTG
CGGGCCTGCAACTGCTGACCTATATTTTCAGCAACATGGACATGAAGCAGGATCAACGTCT
GACCGTGAGCCTGAACAAGAAAGATAAACACCTGAGCCTGCGTATCGAGGACGTTTCAGCC
GGGTGATAGCGCGATTACTTCTGCGCGGAACCGAACCAAGCGGGTACCGCGCTGATCTTT
GGTAAAGGTACCACCCTGAGCGTGAGCAGC (SEQ ID NO:5)

Fig. 3a

AACGCGGGCGTTACCCAGACCCCGAAGTATCTGAGCGTGAAAACCGGTCAAAGCGTTACCC
TGCAGTGCGCGCAAGACATGAACCACGAGTATATGTACTGGTATCGTCAGGATCCGGGTCAA
GGCCTGCGTCTGATCCACTATAGCGTGGGCGAGGGTACCACCGCGAAGGGTGAAGTGCCGG
ACCGTTATAACGTTAGCCGTCTGAAGAAACAGAACTTTCTGCTGGGTATTGAAAGCGTGACC
CCGAGCGACACCAGCGTTTACTTCTGCGCGAGCAGCAGCCTGGAGGATCCGTACGAACAAT
ATTTTGGTCCGGGCACCCGTCTGACCGTTACC (SEQ ID NO:6)

Fig. 3b

GGGSEGGGSEGGGSEGGGSEGGTG (SEQ ID NO:7)

Fig. 4a

GGTGGCGGTAGCGAGGGCGGTGGCAGCGAAGGTGGCGGTAGCGAGGGCGGTGGCAGCGAA
GGTGGCACCGGT (SEQ ID NO:8)

Fig. 4b

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNNSHSALIFGKGTTLSVSS (SEQ ID NO:9)

Fig. 5 (1)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNAAHSALIFGKGTTLVSS (SEQ ID NO:10)

Fig. 5 (2)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNASHSALIFGKGTTLVSS (SEQ ID NO:11)

Fig. 5 (3)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNSSHSALIFGKGTTLVSS (SEQ ID NO:12)

Fig. 5 (4)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNSAHSALIFGKGTTLVSS (SEQ ID NO:13)

Fig. 5 (5)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNNAHSALIFGKGTTLVSS (SEQ ID NO:14)

Fig. 5 (6)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNKSHSALIFGKGTTLVSS (SEQ ID NO:15)

Fig. 5 (7)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNQAHSALIFGKGTTLVSS (SEQ ID NO:16)

Fig. 5 (8)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNQSHSALIFGKGTTLVSS (SEQ ID NO:17)

Fig. 5 (9)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNRSHSALIFGKGTTLVSS (SEQ ID NO:18)

Fig. 5 (10)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNKAHSALIFGKGTTLVSS (SEQ ID NO:19)

Fig. 5 (11)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNTSHSALIFGKGTTLVSS (SEQ ID NO:20)

Fig. 5 (12)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNDVTTALIFGKGTTLVSS (SEQ ID NO:21)

Fig. 5 (13)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNESQSALIFGKGTTLVSS (SEQ ID NO:22)

Fig. 5 (14)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNNSHSALIFGKGTTLVSS (SEQ ID NO:23)

Fig. 5 (15)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNASHSALIFGKGTTLVSS (SEQ ID NO:24)

Fig. 5 (16)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSEKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNKSHSALIFGKGTTLVSS (SEQ ID NO:25)

Fig. 5 (17)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNNSHSALIFGKGTTLVSS (SEQ ID NO:26)

Fig. 5 (18)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNKSHSALIFGKGTTLVSS (SEQ ID NO:27)

Fig. 5 (19)

GEDVEQSLSLSVREGDSVSINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVS
LNKKDKHLRLIEDVQPGDSAIYFCAEPNSSHSALIFGKGTTLVSS (SEQ ID NO:28)

Fig. 5 (20)

GEDVEQSLSLSVREGDSVSINCTYTDRMSTYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVS
LNKKDKHLRLIEDVQPGDSAIYFCAEPNSSHSALIFGKGTTLVSS (SEQ ID NO:29)

Fig. 5 (21)

GEDVEQSLSLSVREGDSVSINCTYTDTMSTYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVS
LNKKDKHLRLIEDVQPGDSAIYFCAEPNKSHSALIFGKGTTLVSS (SEQ ID NO:30)

Fig. 5 (22)

GEDVEQSLSLSVREGDSVSINCTYTDKMSTYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVS
LNKKDKHLRLIEDVQPGDSAIYFCAEPNNSHSALIFGKGTTLVSS (SEQ ID NO:31)

Fig. 5 (23)

GEDVEQSLSLSVREGDSVSINCTYTDKMSTYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVS
LNKKDKHLRLIEDVQPGDSAIYFCAEPNNSHSALIFGKGTTLVSS (SEQ ID NO:32)

Fig. 5 (24)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPVKRFGPGTRTLVT (SEQ ID NO:33)

Fig. 6 (1)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADVQDPYEQYFGPGTRTLVT (SEQ ID NO:34)

Fig. 6 (2)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADIQDPYEQYFGPGTRTLVT (SEQ ID NO:35)

Fig. 6 (3)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMTFGPGTRTLVT (SEQ ID NO:36)

Fig. 6 (4)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIKYFGPGTRLTVT (SEQ ID NO:37)

Fig. 6 (5)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIVTFGPGTRLTVT (SEQ ID NO:38)

Fig. 6 (6)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVKIFGPGTRLTVT (SEQ ID NO:39)

Fig. 6 (7)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIKTFGPGTRLTVT (SEQ ID NO:40)

Fig. 6 (8)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYILNFGPGTRLTVT (SEQ ID NO:41)

Fig. 6 (9)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYILTFGPGTRLTVT (SEQ ID NO:42)

Fig. 6 (10)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSVDTPYEQYFGPGTRLTVT (SEQ ID NO:43)

Fig. 6 (11)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIMAFGPGTRLTVT (SEQ ID NO:44)

Fig. 6 (12)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVLEFGPGTRLTVT (SEQ ID NO:45)

Fig. 6 (13)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYPMLFGPGTRLTVT (SEQ ID NO:46)

Fig. 6 (14)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVVSFGPGTRLTVT (SEQ ID NO:47)

Fig. 6 (15)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMVFGPGTRLTVT (SEQ ID NO:48)

Fig. 6 (16)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSVEDPYEQYFGPGTRLTVT (SEQ ID NO:49)

Fig. 6 (17)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSLEVGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADVQDPYEQYFGPGTRLTVT (SEQ ID NO:50)

Fig. 6 (18)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYHDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMVFGPGTRLTVT (SEQ ID NO:51)

Fig. 6 (19)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYHDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIKYFGPGTRLTVT (SEQ ID NO:52)

Fig. 6 (20)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYHDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMQFGPGTRLTVT (SEQ ID NO:53)

Fig. 6 (21)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADIQDPYEQYFGPGTRLTVT (SEQ ID NO:54)

Fig. 6 (22)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSLEVGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYIKTFGPGTRTLVT (SEQ ID NO:55)

Fig. 6 (23)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSLEVGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMQFGPGTRTLVT (SEQ ID NO:56)

Fig. 6 (24)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYVMEFGPGTRTLVT (SEQ ID NO:57)

Fig. 6 (25)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSDWLGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADVQDPYEQYFGPGTRTLVT (SEQ ID NO:58)

Fig. 6 (26)

NAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSLEVGTTAKGEVP
DRYNVSRLKKQNFLLGIESVTPSDTSVYFCASADIQDPYEQYFGPGTRTLVT (SEQ ID NO:59)

Fig. 6 (27)

GEDVEQSLSLSVREGDSVSINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVS
LNKKDKHLSLRIEDVQPGDSAIYFCAEPNQAGTALIFGKGTLSVSSGGGSEGGGSEGGGSEGG
GSEGGTGNAGVTQTPKYLSVKTGQSVTLQCAQDMNHEYMYWYRQDPGQGLRLIHYSVGEGT
TAKGEVPDRYNVSRLKKQNFLLGIESVTPSDTSVYFCASSSLEDPYEQYFGPGTRTLVT (SEQ ID
NO:60)

Fig. 7a

GGTGAGGACGTGGAACAGAGCCTGAGCCTGAGCGTGCGTGAGGGCGACAGCGTTAGCATC
AACTGCACCTACACCGATAGCAGCAGCACCTACCTGTATTGGTACAAGCAGGAACCGGGTGC
GGGCCTGCAACTGCTGACCTATATTTTCAGCAACATGGACATGAAGCAGGATCAACGTCTGA
CCGTGAGCCTGAACAAGAAAGATAAACACCTGAGCCTGCGTATCGAGGACGTTACGCCGGG
TGATAGCGCGATTTACTTCTGCGCGGAACCGAACCAAGCGGGTACCGCGCTGATCTTTGGTA
AAGGTACCACCCTGAGCGTGAGCAGCGGTGGCGGTAGCGAGGGCGGTGGCAGCGAAGGTG
GCGGTAGCGAGGGCGGTGGCAGCGAAGGTGGCACCGGTAACGCGGGCGTTACCCAGACCC
CGAAGTATCTGAGCGTGAAAACCGGTCAAAGCGTTACCCTGCAGTGCGCGCAAGACATGAA
CCACGAGTATATGTACTGGTATCGTCAGGATCCGGGTCAAGGCCTGCGTCTGATCCACTATAG
CGTGGGCGAGGGTACCACCGCGAAGGGTGAAGTGCCGGACCGTTATAACGTTAGCCGTCTG
AAGAAACAGAACTTTCTGCTGGGTATTGAAAGCGTGACCCCGAGCGACACCAGCGTTTACT
TCTGCGCGAGCAGCAGCCTGGAGGATCCGTACGAACAATATTTTGGTCCGGGCACCCGTCTG
ACCGTTACC (SEQ ID NO:61)

Fig. 7b

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNQAGTALIFGKGTTLSVSSNIQNPDPAVYQLRDSKSS
DKSVCLFTDFDSQTNVSQSKDSDVYITDKCVLDMRSMDFKSNSAFAWSNKSDFACANAFNNSII
PEDTFFPSPESS (SEQ ID NO:62)

Fig. 8a

NAGVTQTPKFRVLKTGQSMTLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLGLESAAPSQTSVYFCASSSLEDPYEQYFGPGTRTLTVTEDLKNVFPPEVAV
FEPSEAEISHTQKATLVCLATGFYPDHVELSWVWNGKEVHSGVCTDPQPLKEQPALNDSRYALS
SRLRVSATFWQDPRNHFRQCQVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRAD (SEQ ID
NO:63)

Fig. 8b

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNNSHSALIFGKGTTLSVSS (SEQ ID NO:64)

Fig. 9 (1)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNAAHSALIFGKGTTLSVSS (SEQ ID NO:65)

Fig. 9 (2)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNASHSALIFGKGTTLSVSS (SEQ ID NO:66)

Fig. 9 (3)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNSSHALIFGKGTTLSVSS (SEQ ID NO:67)

Fig. 9 (4)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNSAHSALIFGKGTTLSVSS (SEQ ID NO:68)

Fig. 9 (5)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNNAHSALIFGKGTTLSVSS (SEQ ID NO:69)

Fig. 9 (6)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNKSHSALIFGKGTTLSVSS (SEQ ID NO:70)

Fig. 9 (7)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNQAHSALIFGKGTTLVSS (SEQ ID NO:71)

Fig. 9 (8)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNQSHSALIFGKGTTLVSS (SEQ ID NO:72)

Fig. 9 (9)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNRSHSALIFGKGTTLVSS (SEQ ID NO:73)

Fig. 9 (10)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNKAHSALIFGKGTTLVSS (SEQ ID NO:74)

Fig. 9 (11)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNTSHSALIFGKGTTLVSS (SEQ ID NO:75)

Fig. 9 (12)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNDVTALIFGKGTTLVSS (SEQ ID NO:76)

Fig. 9 (13)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTV
LLNKKDKHLSLRIADTQTGDSAIYFCAEPNESQALIFGKGTTLVSS (SEQ ID NO:77)

Fig. 9 (14)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNSHSALIFGKGTTLVSS (SEQ ID NO:78)

Fig. 9 (15)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNASHSALIFGKGTTLVSS (SEQ ID NO:79)

Fig. 9 (16)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNKSHSALIFGKGTTLVSVSS (SEQ ID NO:80)

Fig. 9 (17)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNSHSALIFGKGTTLVSVSS (SEQ ID NO:81)

Fig. 9 (18)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNKSHSALIFGKGTTLVSVSS (SEQ ID NO:82)

Fig. 9 (19)

GEDVEQSLFLSVREGDSSVINCTYTDPWATYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNSSHSALIFGKGTTLVSVSS (SEQ ID NO:83)

Fig. 9 (20)

GEDVEQSLFLSVREGDSSVINCTYTDRMSTYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNSSHSALIFGKGTTLVSVSS (SEQ ID NO:84)

Fig. 9 (21)

GEDVEQSLFLSVREGDSSVINCTYTDTMSTYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNKSHSALIFGKGTTLVSVSS (SEQ ID NO:85)

Fig. 9 (22)

GEDVEQSLFLSVREGDSSVINCTYTDKMSTYLYWYKQEPGAGLQLLTYIFSYQSTKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNSHSALIFGKGTTLVSVSS (SEQ ID NO:86)

Fig. 9 (23)

GEDVEQSLFLSVREGDSSVINCTYTDKMSTYLYWYKQEPGAGLQLLTYIFSYMTEKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNNSHSALIFGKGTTLVSVSS (SEQ ID NO:87)

Fig. 9 (24)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLGLESAAPSQTSVYFCASSLEDPVKRFGPGTRTLVT (SEQ ID NO:88)

Fig. 10 (1)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASADVQDPYEQYFGPGTRLTVT (SEQ ID NO:89)

Fig. 10 (2)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASADIQDPYEQYFGPGTRLTVT (SEQ ID NO:90)

Fig. 10 (3)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYVMTFGPGTRLTVT (SEQ ID NO:91)

Fig. 10 (4)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYKYFGPGTRLTVT (SEQ ID NO:92)

Fig. 10 (5)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYIVTFGPGTRLTVT (SEQ ID NO:93)

Fig. 10 (6)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYVKIFGPGTRLTVT (SEQ ID NO:94)

Fig. 10 (7)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYIKTFGPGTRLTVT (SEQ ID NO:95)

Fig. 10 (8)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYILNFGPGTRLTVT (SEQ ID NO:96)

Fig. 10 (9)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNV SRLKKQN FLLGLESAAPSQTSVYFCASSSLEDPYILTFGPGTRLTVT (SEQ ID NO:97)

Fig. 10 (10)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSDVTDPYEQYFGPGTRTLTVT (SEQ ID NO:98)

Fig. 10 (11)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYIMAFGPGTRTLTVT (SEQ ID NO:99)

Fig. 10 (12)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVLEFGPGTRTLTVT (SEQ ID NO:100)

Fig. 10 (13)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYPMLFGPGTRTLTVT (SEQ ID NO:101)

Fig. 10 (14)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVVSFGPGTRTLTVT (SEQ ID NO:102)

Fig. 10 (15)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVMVFGPGTRTLTVT (SEQ ID NO:103)

Fig. 10 (16)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSVEDDPYEQYFGPGTRTLTVT (SEQ ID NO:104)

Fig. 10 (17)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSLEVGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASADVQDPYEQYFGPGTRTLTVT (SEQ ID NO:105)

Fig. 10 (18)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYHDWLGTTAKGEV
PDGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVMVFGPGTRTLTVT (SEQ ID
NO:106)

Fig. 10 (19)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYHDWLGTTAKGEV
PDGYNVSRLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYIKYFGPGTRLTVT (SEQ ID NO:107)

Fig. 10 (20)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYHDWLGTTAKGEV
PDGYNVSRLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVMQFPGTRLTVT (SEQ ID
NO:108)

Fig. 10 (21)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSDWLGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASADIQDPYEQYFGPGTRLTVT (SEQ ID NO:109)

Fig. 10 (22)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSLEVGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYIKTFPGTRLTVT (SEQ ID NO:110)

Fig. 10 (23)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSLEVGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVMQFPGTRLTVT (SEQ ID NO:111)

Fig. 10 (24)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSDWLGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYVMEFFPGTRLTVT (SEQ ID NO:112)

Fig. 10 (25)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSDWLGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASADVQDPYEQYFGPGTRLTVT(SEQ ID NO:113)

Fig. 10 (26)

NAGVTQTPKFRVLKTGQSM TLLCAQDMNHEYMYWYRQDPGMGLRLIHYSLEVGTTAKGEVP
DGYNVSRLKKQNFLLGLESAAPSQTSVYFCASADIQDPYEQYFGPGTRLTVT (SEQ ID NO:114)

Fig. 10 (27)

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNQAGTALIFGKGTTLSVSSNIQNPDPAVYQLRDSKSS
DKSVCLFTDFDSQTNVSQSKDSDVYITDKTVLDMRSMDFKSNSAVAWSNKSDFACANAFNNSII
PEDTFFPSPESS (SEQ ID NO:115)

Fig. 11a

NAGVTQTPKFRVLKTGQSMTLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYEQYFGPGTRLTVTEDLKNVFPPEVAV
FEPSEAEISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGVSTDPQPLKEQPALNDSRYCLS
SRLRVSATFWQNPRNHFRQCQVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRAD (SEQ ID
NO:116)

Fig. 11b

GEDVEQSLFLSVREGDSSVINCTYTDSSSTYLYWYKQEPGAGLQLLTYIFSNMDMKQDQRLTVL
LNKKDKHLSLRIADTQTGDSAIYFCAEPNQAGTALIFGKGTTLSVSSNIQNPDPAVYQLRDSKSS
DKSVCLFTDFDSQTNVSQSKDSDVYITDKTVLDMRSMDFKSNSAVAWSNKSDFACANAFNNSII
PEDTFFPSPESSCDVKLVEKSFETDTNLFQNLVIGFRILLKLVAGFNLLMTLRLWSS (SEQ ID
NO:117)

Fig. 12a

NAGVTQTPKFRVLKTGQSMTLLCAQDMNHEYMYWYRQDPGMGLRLIHYSVGEGTTAKGEVP
DGYNVSRLLKKQNFLLGLESAAPSQTSVYFCASSSLEDPYEQYFGPGTRLTVTEDLKNVFPPEVAV
FEPSEAEISHTQKATLVCLATGFYPDHVELSWWVNGKEVHSGVSTDPQPLKEQPALNDSRYCLS
SRLRVSATFWQNPRNHFRQCQVQFYGLSENDEWTQDRAKPVTQIVSAEAWGRADCGFTSESYQQ
GVLSATILYEILLGKATLYAVLVLSALVLMAMVKRKDSRG (SEQ ID NO:118)

Fig. 12b

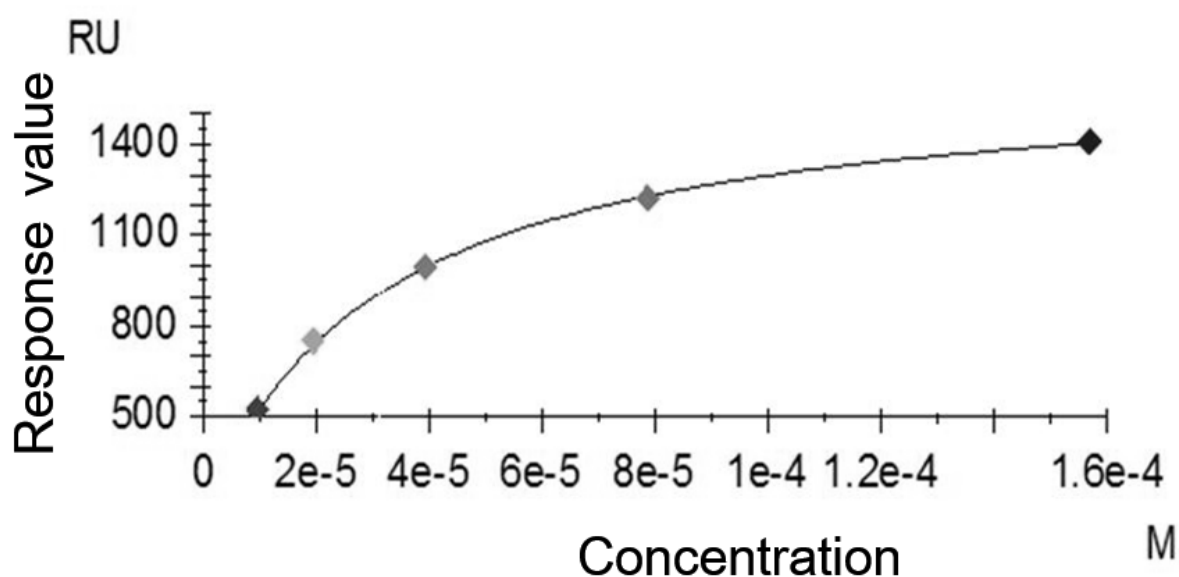


Fig. 13

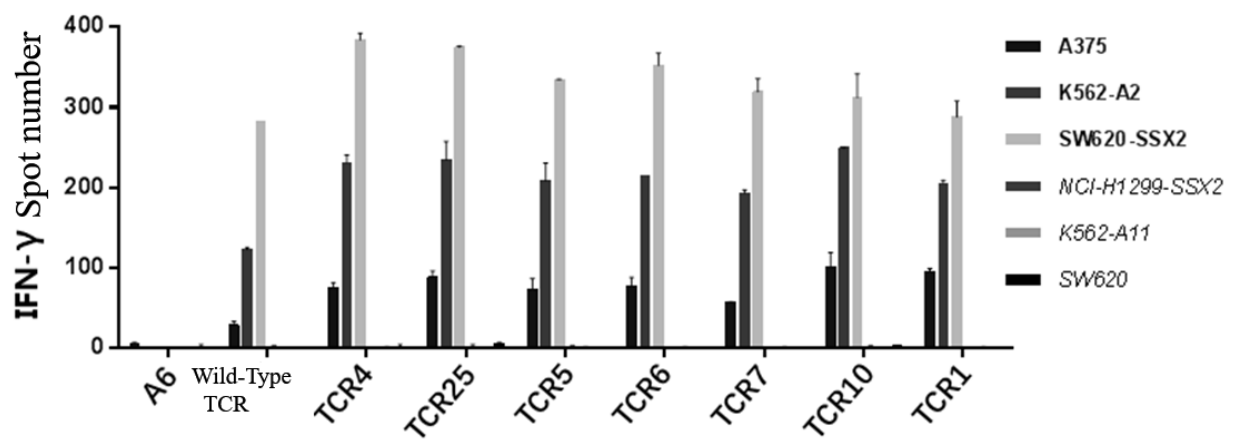


Fig. 14

Fig. 15a

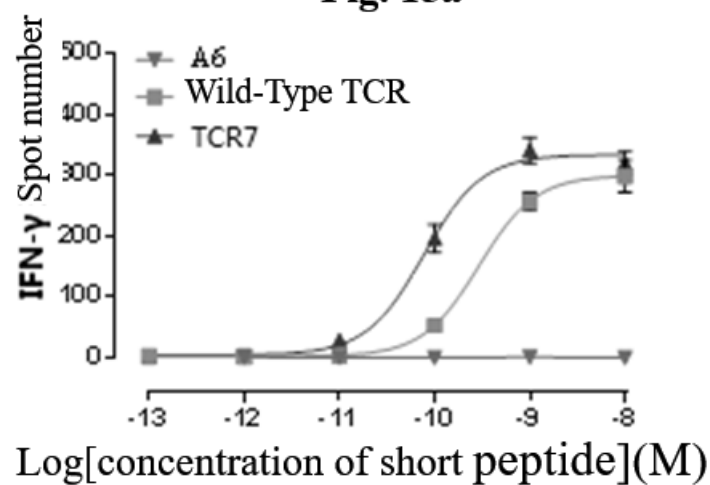


Fig. 15b

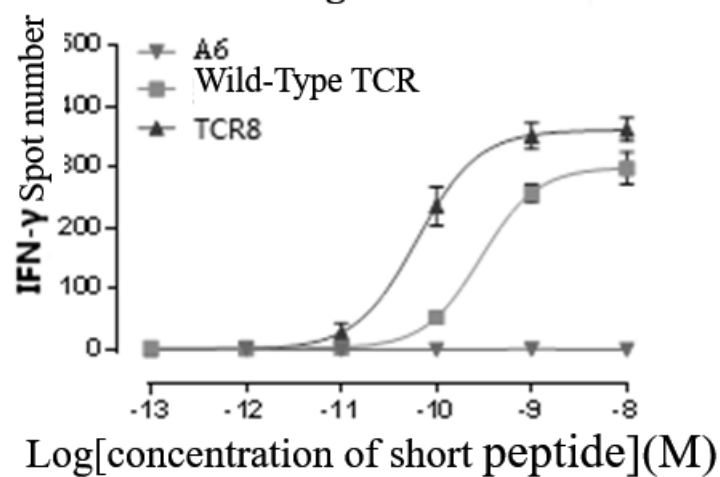


Fig. 15c

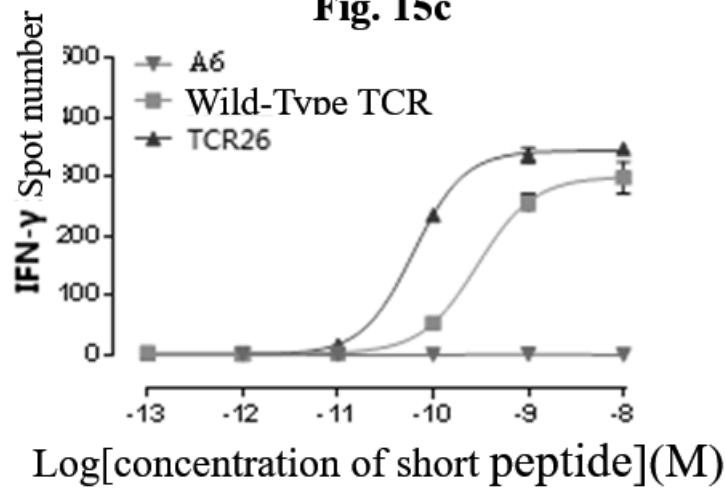


Fig. 15d

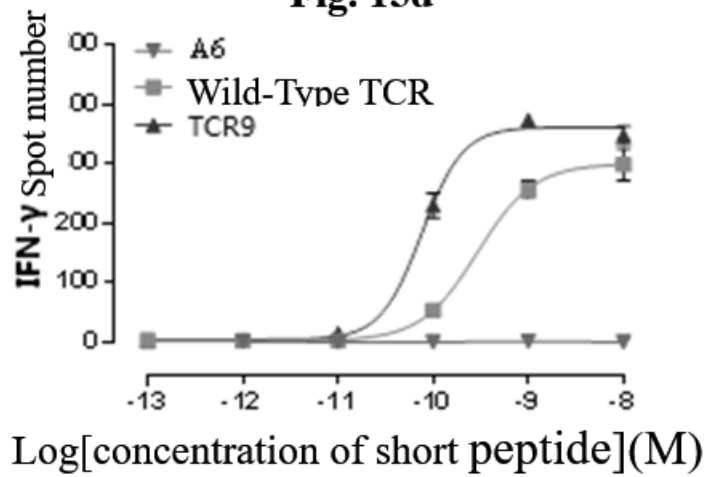


Fig. 15e

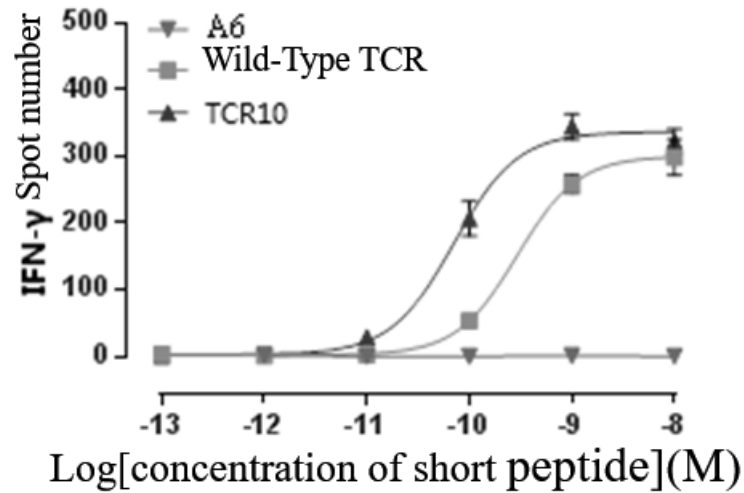


Fig. 15

Fig. 16a

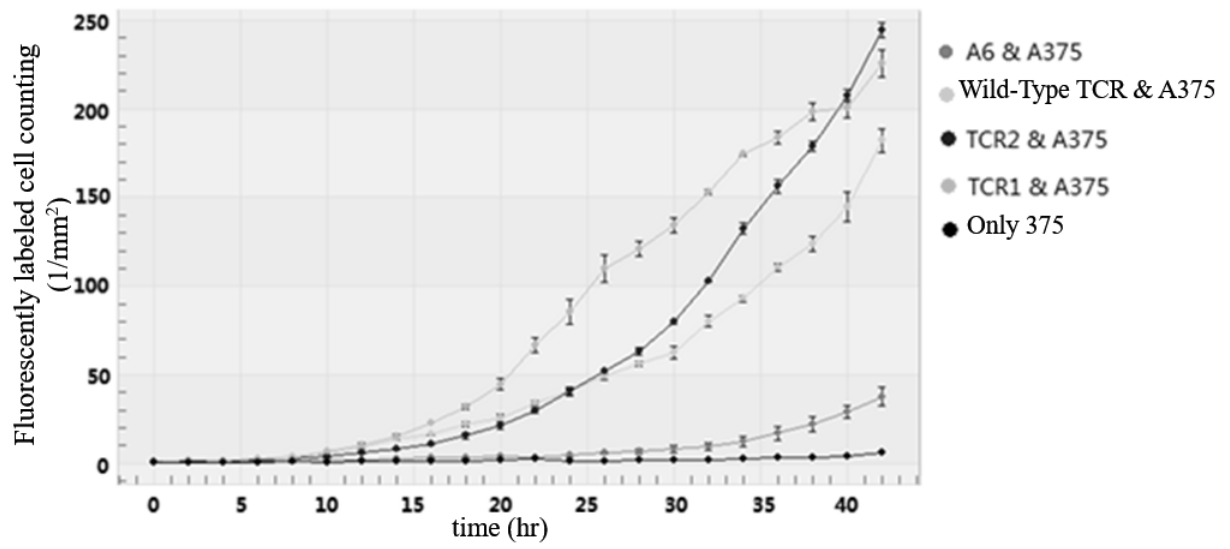


Fig. 16b

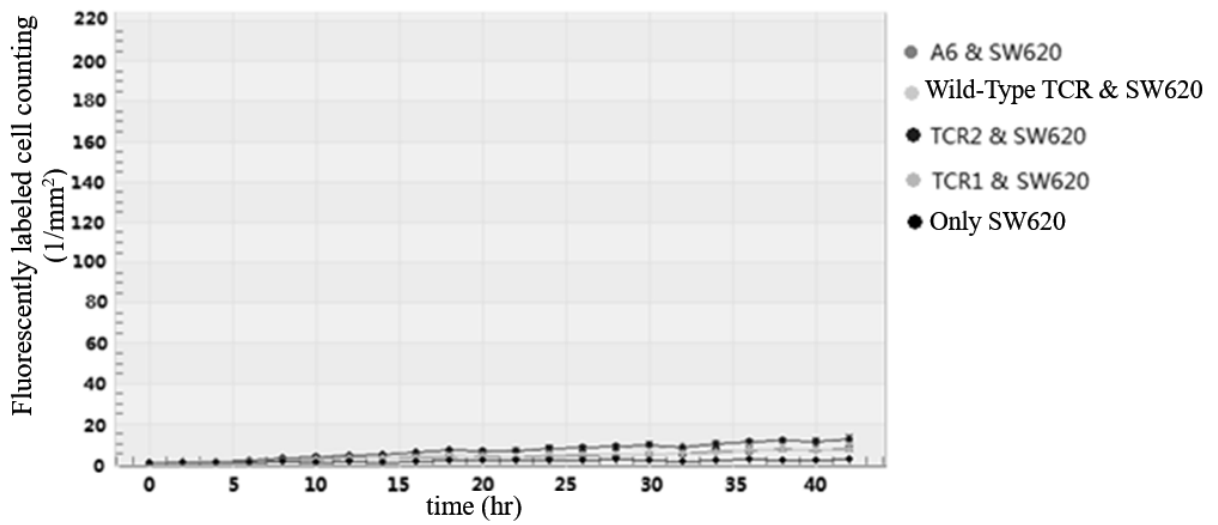


Fig. 16c

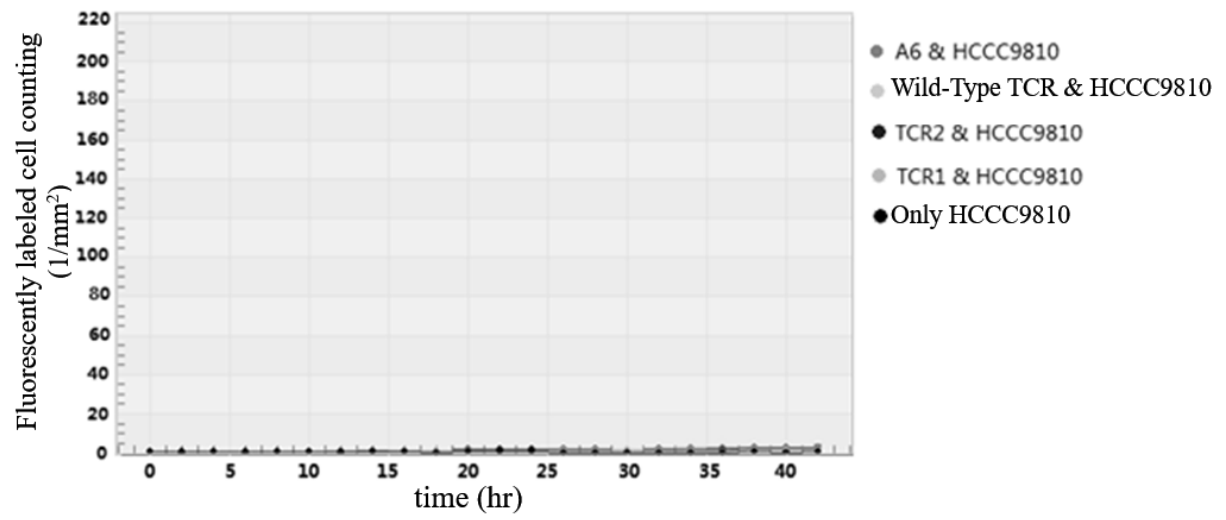


Fig. 16

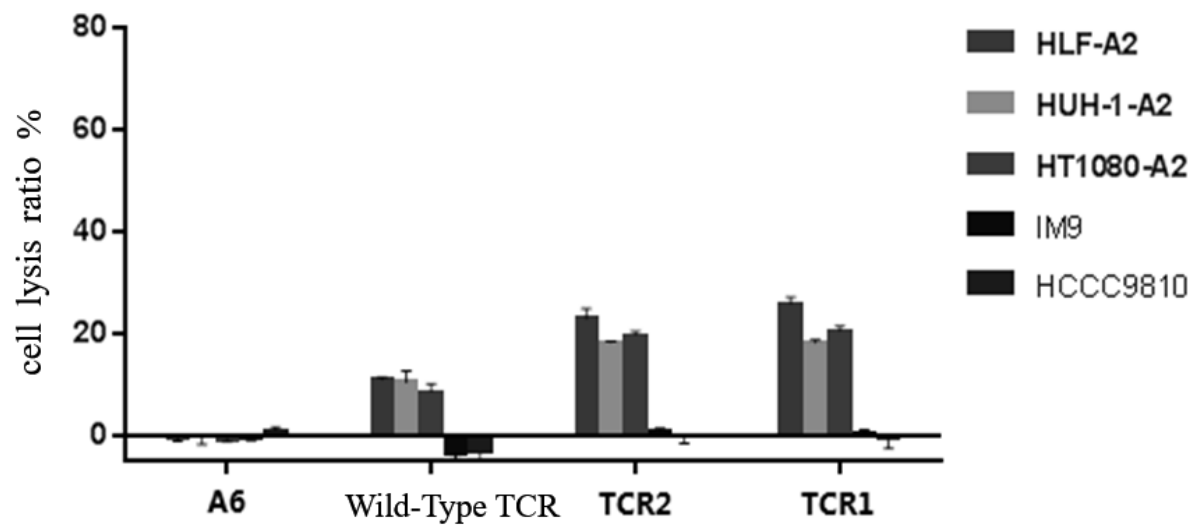


Fig. 17

fusion protein 1

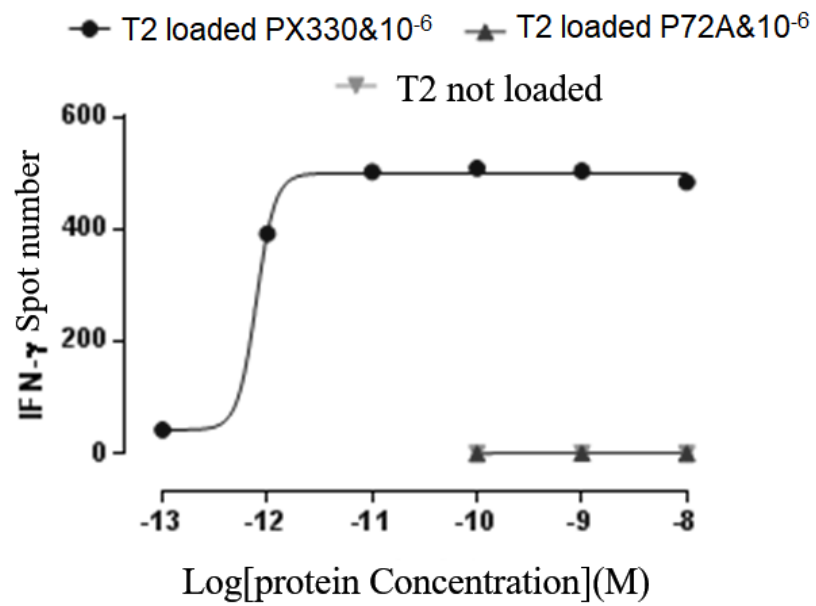


Fig. 18a

fusion protein 2

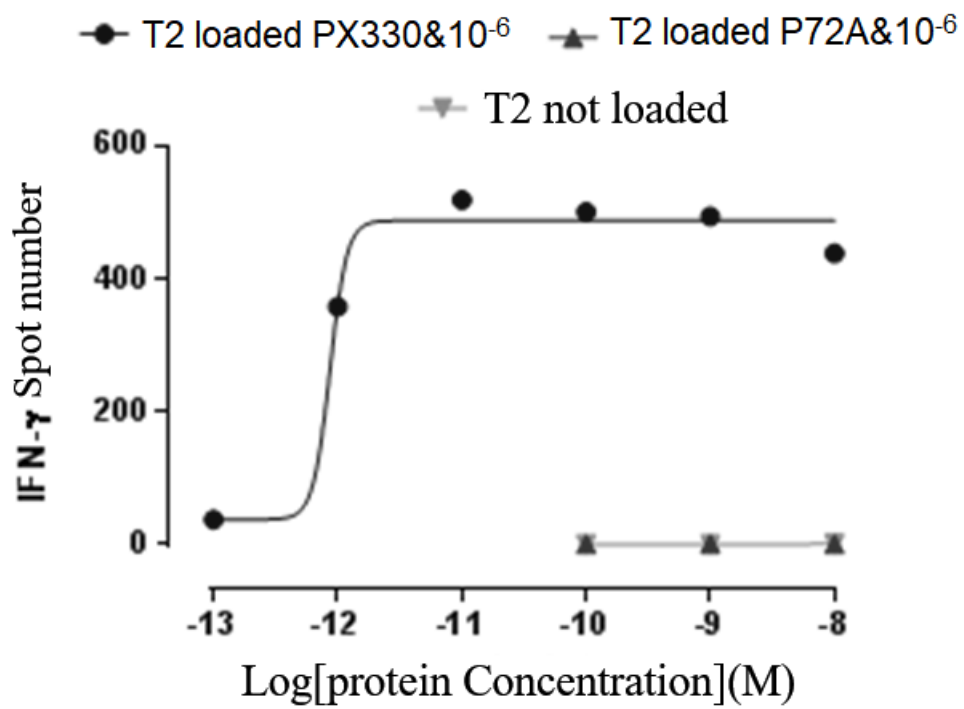


Fig. 18b

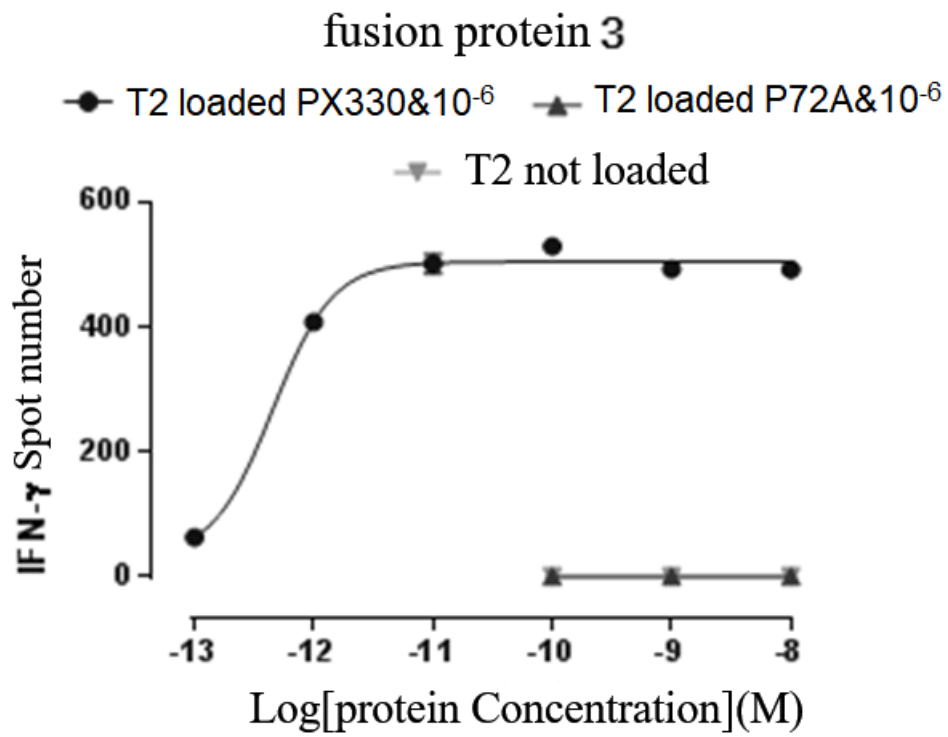


Fig. 18c

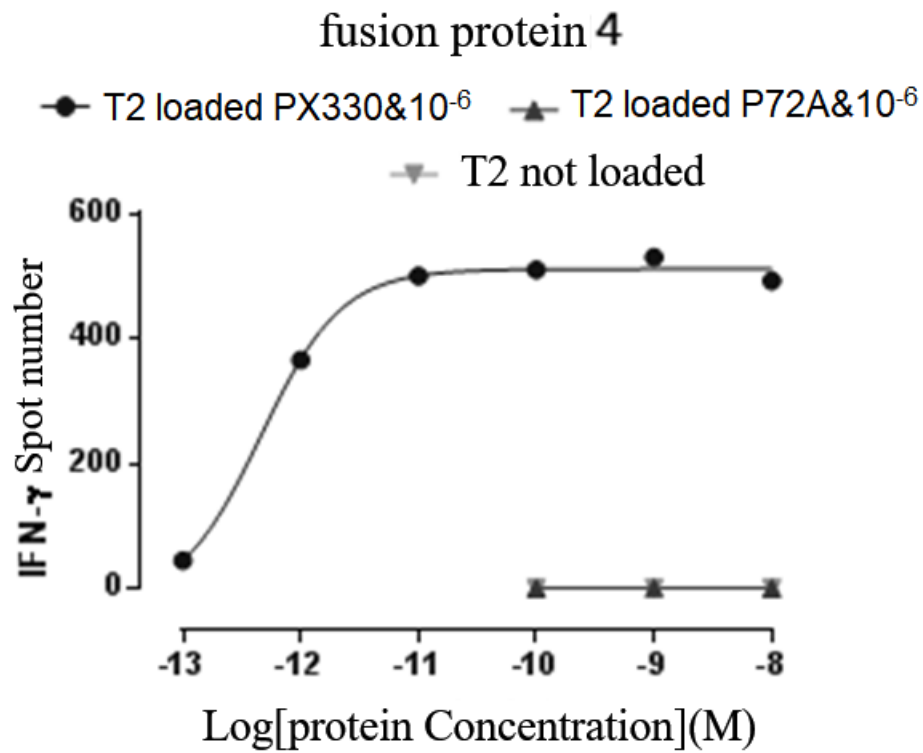


Fig. 18d