

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR
LRVTLDTSKKSSLLITASRAADTASYFCATDANGKIIFGKGTRLHLIP
(SEQ ID NO:1)

Fig. 1a

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGM
PEDRFSAKMPNASFSTLKIQPSEPRDSAVYFCASSLGSNEQYFGPGTRLTVT
(SEQ ID NO:2)

Fig. 1b

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGKIIFGKGTRLHLIP (SEQ ID NO:3)

Fig. 2a

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASSLGSNEQYFGPGTRLTVT (SEQ ID NO:4)

Fig. 2b

TCTCAACAAGGtGAAGAAGATCCGCAGGCCCTGAGTATTCAAGAAGGTGAAAATGTGACCATCAACTGCTCTTACAAAA
CGAGTATCAACAATCTGCAGTGGTACCGTCAAAATTCTGGCCGCGGTCTGGTTCATCTGATTCTGATCCGTTCCAACGA
ACGCGAAAAACACTCAGGCCGTCTGCGCGTTACCCTGGATACCAGCAAAAAATCTTCTAGTCTGGAAATCACC GCAGTC
CGTCCGGCAGATACGGCAAGCTATTTTGTGCAACCGACGCTAATGGTAAAATTATCTTCGGCAAAGGTACCCGCCTGC
ATATTCTGCCG (SEQ ID NO:5)

Fig. 3a

GATGCGGGTGTACGCAGTCTCCGCGTCATGAAAGTGTGGAAATGGGCCAAGAAGTTACGCTGCGCTGCAAACCGATCA
GCGGTACGACTACCTGTTTTGGTACCGTCAGACCCCGAAACGCGGCCTGGAAGTCTGATCTACTTCAACAATAACGT
TCCGATTGATGACTCGGGTATGCCGGAAGATCGTTTTAGCGCGAAAAATGCCGAATGCCTCGTTCAGCACGCTGAAAATT
CAGCCGGTCAACCGCGTGACTCCGCAGTGTATTTTGTGCTTCCCTACTGGGCAGTAACGAACAGTACTTCGGCCCGG
GTACCCGTCTGACCGTGACG (SEQ ID NO:6)

Fig. 3b

GGGSEGGGSEGGGSEGGGSEGGTG (SEQ ID NO:7)

Fig. 4a

GGCGGTGGCTCCGAAGGTGGCGGTTCAGAAGCGGTGGCTCGGAAGGTGGCGGTAGCGAAGGCGGTACCGGT (SEQ ID
NO:8)

Fig. 4b

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDAFAWWIFGKGTRLHLIP
(SEQ ID NO:9)

Fig. 5 (1)

SQQGEEDPQALSIQEGENV TINC SYK GWAQ N LQWYRQNSGRGLVHLILIR TGEQ EKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWNFGKGTRLHLIP
(SEQ ID NO:10)

Fig. 5 (2)

SQQGEEDPQALSIQEGENV^TINCSYKGSIQNLQWYRQNSGRGLVHLILIRTGEQEKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:11)

Fig. 5 (3)

SQQGEEDPQALSIQEGENV^TINCSYKGSIQNLQWYRQNSGRGLVHLILIRTGEQEKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:12)

Fig. 5 (4)

SQQGEEDPQALSIQEGENV^TINCSYKGWAQNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWNFGKGTRLHILP
(SEQ ID NO:13)

Fig. 5 (5)

SQQGEEDPQALSIQEGENV^TINCSYKGWVQNLQWYRQNSGRGLVHLILIRTGEQEKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:14)

Fig. 5 (6)

SQQGEEDPQALSIQEGENV^TINCSYKGSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:15)

Fig. 5 (7)

SQQGEEDPQALSIQEGENV^TINCSYKGWAQNRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAVRPAD
TASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:16)

Fig. 5 (8)

SQQGEEDPQALSIQEGENV^TINCSYKGSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:17)

Fig. 5 (9)

SQQGEEDPQALSIQEGENV^TINCSYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCMYDENGKIIFGKGTRLHILP
(SEQ ID NO:18)

Fig. 5 (10)

SQQGEEDPQALSIQEGENV^TINCSYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCMYDQNGKIIFGKGTRLHILP
(SEQ ID NO:19)

Fig. 5 (11)

SQQGEEDPQALSIQEGENV^TINCSYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDAYGTVQFGKGTRLHILP
(SEQ ID NO:20)

Fig. 5 (12)

SQQGEEDPQALSIQEGENV^TINCSYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGTVQFGKGTRLHILP
(SEQ ID NO:21)

Fig. 5 (13)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGSVQFGKGTRLHILP
(SEQ ID NO:22)

Fig. 5 (14)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDAYGRYIFGKGTRLHILP
(SEQ ID NO:23)

Fig. 5 (15)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANQMWKFGKGTRLHILP
(SEQ ID NO:24)

Fig. 5 (16)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDAYGLPIFGKGTRLHILP
(SEQ ID NO:25)

Fig. 5 (17)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGLPVFGKGTRLHILP
(SEQ ID NO:26)

Fig. 5 (18)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGRWEFGKGTRLHILP
(SEQ ID NO:27)

Fig. 5 (19)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGTVGFGKGTRLHILP
(SEQ ID NO:28)

Fig. 5 (20)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGRWMFGKGTRLHILP
(SEQ ID NO:29)

Fig. 5 (21)

SQQGEEDPQALSIQEGENV TINC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANGLWSFGKGTRLHILP
(SEQ ID NO:30)

Fig. 5 (22)

SQQGEEDPQALSIQEGENV TINC SYKGWAQNLQWYRQNSGRGLVHLILIRTGGEQEKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:31)

Fig. 5 (23)

SQQGEEDPQALSIQEGENV TINC SYKGWAQNLQWYRQNSGRGLVHLILIRTGQAEKHSGR LRVTLDTSKKSSSLEITAV
RPADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:32)

Fig. 5 (24)

SQQGEEDPQALSIQEGENV^TINCSYKSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGR^LRVTLDTSKKSSLEITAV
RPADTASYFCATDAFAWWIFGKGTRLHILP
(SEQ ID NO:33)

Fig. 5 (25)

SQQGEEDPQALSIQEGENV^TINCSYKGWVQNLQWYRQNSGRGLVHLILIRTGEQEKHSGR^LRVTLDTSKKSSLEITAV
RPADTASYFCATDANARWNFGKGTRLHILP
(SEQ ID NO:34)

Fig. 5 (26)

SQQGEEDPQALSIQEGENV^TINCSYKSIQNLQWYRQNSGRGLVHLILIRTGEQEKHSGR^LRVTLDTSKKSSLEITAV
RPADTASYFCATDAWARWIFGKGTRLHILP
(SEQ ID NO:35)

Fig. 5 (27)

SQQGEEDPQALSIQEGENV^TINCSYKGWVQNLQWYRQNSGRGLVHLILIRTGQAEKHSGR^LRVTLDTSKKSSLEITAV
RPADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:36)

Fig. 5 (28)

SQQGEEDPQALSIQEGENV^TINCSYKSIQNLQWYRQNSGRGLVHLILIRTGEQEKHSGR^LRVTLDTSKKSSLEITAV
RPADTASYFCATDANARWNFGKGTRLHILP
(SEQ ID NO:37)

Fig. 5 (29)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASSLGSNEQYFGPGTRLTVT
(SEQ ID NO:38)

Fig. 6 (1)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQRGSGNEQYFGPGTRLTVT
(SEQ ID NO:39)

Fig. 6 (2)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQKGANEQYFGPGTRLTVT
(SEQ ID NO:40)

Fig. 6 (3)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGSNEQYFGPGTRLTVT
(SEQ ID NO:41)

Fig. 6 (4)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGANEQYFGPGTRLTVT
(SEQ ID NO:42)

Fig. 6 (5)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNVPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGANEQYFGPGTRLTVT
(SEQ ID NO:43)

Fig. 6 (6)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQKGANEQYFGPGTRLTVT
(SEQ ID NO:44)

Fig. 6 (7)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGPNEQYFGPGTRLTVT
(SEQ ID NO:45)

Fig. 6 (8)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQRGANEQYFGPGTRLTVT
(SEQ ID NO:46)

Fig. 6 (9)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQMGANEQYFGPGTRLTVT
(SEQ ID NO:47)

Fig. 6 (10)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGSNEQYFGPGTRLTVT
(SEQ ID NO:48)

Fig. 6 (11)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQLGANEQYFGPGTRLTVT
(SEQ ID NO:49)

Fig. 6 (12)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQMGANEQYFGPGTRLTVT
(SEQ ID NO:50)

Fig. 6 (13)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQSGANEQYFGPGTRLTVT
(SEQ ID NO:51)

Fig. 6 (14)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASQMGANEQYFGPGTRLTVT
(SEQ ID NO:52)

Fig. 6 (15)

DAGVTQSPRHESVEMGQEVTLRCKPISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPVEPRDSAVYFCASMLGSNEQYFGPGTRLTVT
(SEQ ID NO:53)

Fig. 6 (16)

SQQGEEDPQALSIQEGENVINCYSYKTSINNQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKSSSLEITAV
RPADTASYFCATDANGKIIIFGKGRHLILPGGGSEGGGSEGGGSEGGTGDAGVTQSPRHESVEMGQEVTLRCKP
ISGHDYLFWYRQTPKRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKIQPVEPRDSAVYFCASSLGSNEQYFG
PGTRLTVT (SEQ ID NO:54)

Fig. 7a

TCTCAACAAGGtGAAGAAGATCCGCAGGCCCTGAGTATTCAAGAAGGTGAAAATGTGACCATCAACTGCTCTTACAAAA
CGAGTATCAACAATCTGCAGTGGTACCGTCAAAATTCTGGCCGCGGTCTGGTTCATCTGATTCTGATCCGTTCCAACGA
ACGCGAAAAACACTCAGGCCGTCTGCGGTTACCTGGATACCAGCAAAAAATCTTCTAGTCTGGAAATCACCAGTC
CGTCCGGCAGATACGGCAAGCTATTTTGTGCAACCGACGCTAATGGTAAAATTATCTTCGGCAAAGGTACCCGCCTGC
ATATTCTGCCGGGCGGTGGCTCCGAAGGTGGCGGTTTACAAGGCGGTGGCTCGGAAGGTGGCGGTAGCGAAGGCGGTAC
CGGTGATGCGGGTGTACACGAGTCTCCGCGTCATGAAAGTGTGGAAATGGGCCAAGAAGTTACGCTGCGCTGCAAACCG
ATCAGCGGTACGACTACCTGTTTTGGTACCGTCAGACCCCGAAACGCGGCCTGGAAGTGTGATCTACTTCAACAATA
ACGTTCCGATTGATGACTCGGGTATGCCGAAGATCGTTTACGCGCAAAATGCCGAATGCCTCGTTCAGCACGCTGAA
AATTCAGCCGGTGAACCGCGTACTCCGCGAGTGTATTTTGTGCTTCTCTACTGGGCAGTAACGAACAGTACTTCGGC
CCGGGTACCCGTCTGACCGTGACG (SEQ ID NO:55)

Fig. 7b

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANGKIIFGKGTRLHILPNIQNPDPVYQLRDSKSSDKSVCLFTDFDSQTNVSQKSDSVYITDKCV
LDMRSMDFKNSA VAWSNKSDFACANAFNNSIIPEDTFFPSPESS (SEQ ID NO:56)

Fig. 8a

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTM MRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASSLGNEQYFGPGTRLTVTEDLKNVPPEVAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWW
VNGKEVHSGVCTDPQLKEQPALNDSRYALSSRLRVSATFWQDPRNHFRQVQFYGLSENDEWTQDRAKPVTQIVSAEA
WGRAD (SEQ ID NO:57)

Fig. 8b

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDAFAWWIFGKGTRLHILP
(SEQ ID NO:58)

Fig. 9 (1)

SQQGEEDPQALSIQEGENATMNC SYK GWAQNLQWYRQNSGRGLVHLILIR TGEQEKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANAR WNFGKGTRLHILP
(SEQ ID NO:59)

Fig. 9 (2)

SQQGEEDPQALSIQEGENATMNC SYK GSIQNLQWYRQNSGRGLVHLILIR TGEQEKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANAR WEFGKGTRLHILP
(SEQ ID NO:60)

Fig. 9 (3)

SQQGEEDPQALSIQEGENATMNC SYK GSIQNLQWYRQNSGRGLVHLILIR TGEQEKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANAR WDFGKGTRLHILP
(SEQ ID NO:61)

Fig. 9 (4)

SQQGEEDPQALSIQEGENATMNC SYK GWAQNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANAR WNFGKGTRLHILP
(SEQ ID NO:62)

Fig. 9 (5)

SQQGEEDPQALSIQEGENATMNC SYK GWVQNLQWYRQNSGRGLVHLILIR TGEQEKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANAR WDFGKGTRLHILP
(SEQ ID NO:63)

Fig. 9 (6)

SQQGEEDPQALSIQEGENATMNC SYKSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:64)

Fig. 9 (7)

SQQGEEDPQALSIQEGENATMNC SYKGWAQNRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITASRAAD
TASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:65)

Fig. 9 (8)

SQQGEEDPQALSIQEGENATMNC SYKSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:66)

Fig. 9 (9)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCMYDENGKIIFGKGTRLHILP
(SEQ ID NO:67)

Fig. 9 (10)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCMYDQNGKIIFGKGTRLHILP
(SEQ ID NO:68)

Fig. 9 (11)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDAYGTVQFGKGTRLHILP
(SEQ ID NO:69)

Fig. 9 (12)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDANGTVQFGKGTRLHILP
(SEQ ID NO:70)

Fig. 9 (13)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDANGSVQFGKGTRLHILP
(SEQ ID NO:71)

Fig. 9 (14)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDAYGRYIFGKGTRLHILP
(SEQ ID NO:72)

Fig. 9 (15)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDANQMWKFGKGTRLHILP
(SEQ ID NO:73)

Fig. 9 (16)

SQQGEEDPQALSIQEGENATMNC SYKTSINNLQWYRQNSGRGLVHLILIRSNEREKHSGRRLVTLDTSKKSSSLLITAS
RAADTASYFCATDAYGLPIFGKGTRLHILP
(SEQ ID NO:74)

Fig. 9 (17)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANGLPVFGKGTRLHILP
(SEQ ID NO:75)

Fig. 9 (18)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANGRWEFGKGTRLHILP
(SEQ ID NO:76)

Fig. 9 (19)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANGTVGFGKGTRLHILP
(SEQ ID NO:77)

Fig. 9 (20)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANGRWMFGKGTRLHILP
(SEQ ID NO:78)

Fig. 9 (21)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANGLWSFGKGTRLHILP
(SEQ ID NO:79)

Fig. 9 (22)

SQQGEEDPQALSIQEGENATMNC SYKGWAQNLQWYRQNSGRGLVHLILIR TGEQEKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANARWDFGKGTRLHILP
(SEQ ID NO:80)

Fig. 9 (23)

SQQGEEDPQALSIQEGENATMNC SYKGWAQNLQWYRQNSGRGLVHLILIR TGGAEKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANARWEFGKGTRLHILP
(SEQ ID NO:81)

Fig. 9 (24)

SQQGEEDPQALSIQEGENATMNC SYKGSIQNLQWYRQNSGRGLVHLILIRSNEREKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDAFAWWIFGKGTRLHILP
(SEQ ID NO:82)

Fig. 9 (25)

SQQGEEDPQALSIQEGENATMNC SYKGWVQNLQWYRQNSGRGLVHLILIR TGEQEKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDANARWNFGKGTRLHILP
(SEQ ID NO:83)

Fig. 9 (26)

SQQGEEDPQALSIQEGENATMNC SYKGSIQNLQWYRQNSGRGLVHLILIR TGEQEKHSGR LRVTLDTSKKSSSLITAS
RAADTASYFCATDAWARWIFGKGTRLHILP
(SEQ ID NO:84)

Fig. 9 (27)

SQQGEEDPQALSIQEGENATMNC SYKGVQNLQWYRQNSGRGLVHLILIRTGQAEKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANARW^{EF}FGK^{TR}LHILP
(SEQ ID NO:85)

Fig. 9 (28)

SQQGEEDPQALSIQEGENATMNC SYKGSIQNLQWYRQNSGRGLVHLILIRTG^{EQ}EKHSGRRLVTLDTSKKSSSLITAS
RAADTASYFCATDANARW^{NF}FGK^{TR}LHILP
(SEQ ID NO:86)

Fig. 9 (29)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASSLGSNEQYFGPGTRLTVT
(SEQ ID NO:87)

Fig. 10 (1)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{RG}SGNEQYFGPGTRLTVT
(SEQ ID NO:88)

Fig. 10 (2)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{KG}ANEQYFGPGTRLTVT
(SEQ ID NO:89)

Fig. 10 (3)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{LG}SGNEQYFGPGTRLTVT
(SEQ ID NO:90)

Fig. 10 (4)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNHGAVIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{LG}ANEQYFGPGTRLTVT
(SEQ ID NO:91)

Fig. 10 (5)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFN^{NN}VPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{LG}NEQYFGPGTRLTVT
(SEQ ID NO:92)

Fig. 10 (6)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFN^{NN}VPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{KG}ANEQYFGPGTRLTVT
(SEQ ID NO:93)

Fig. 10 (7)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFN^{NN}VPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{LG}PNEQYFGPGTRLTVT
(SEQ ID NO:94)

Fig. 10 (8)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFN^{NN}VPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQ^{RG}ANEQYFGPGTRLTVT
(SEQ ID NO:95)

Fig. 10 (9)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQMGSGNEQYFGPGTRLTVT
(SEQ ID NO:96)

Fig. 10 (10)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQLGSNEQYFGPGTRLTVT
(SEQ ID NO:97)

Fig. 10 (11)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQLGANEQYFGPGTRLTVT
(SEQ ID NO:98)

Fig. 10 (12)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQMGSGNEQYFGPGTRLTVT
(SEQ ID NO:99)

Fig. 10 (13)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQSGSGNEQYFGPGTRLTVT
(SEQ ID NO:100)

Fig. 10 (14)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASQMGANEQYFGPGTRLTVT
(SEQ ID NO:101)

Fig. 10 (15)

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASMLGSNEQYFGPGTRLTVT
(SEQ ID NO:102)

Fig. 10 (16)

SQQGEEDPQALSIQEGENATMNC SYKTSINN LQWYRQNSGRGLVHLILIRSNEREKHSGRLRVTLDTSKSSSLLITAS
RAADTASYFCATDANGKIIFGKTRLHILPNIQNPDPAVYQLRDSKSSDKSVCLFTDFDSQTNVSQSKSDVYITDKTV
LDMRSMDFKSNSAVAWSNKSDFACANAFNNSIIPEDTFFPSPESS
(SEQ ID NO:103)

Fig. 11a

DAGVIQSPRHEVTEMGQEVTLRCKPISGHDYLFWYRQTMMRGLELLIYFNNNPIDDSGMPEDRFSAKMPNASFSTLKI
QPSEPRDSAVYFCASSLGSNEQYFGPGTRLTVTEDLKNVFPPEVAVFEPSEAEISHTQKATLVCLATGFYPDHVELSWW
VNGKEVHSGVSTDPQLKEQPALNDSRYALSSRLRVSATFWQDPRNHFRCQVQFYGLSENDEWTQDRAKPVTQIVSAEA
WGRAD
(SEQ ID NO:104)

Fig. 11b

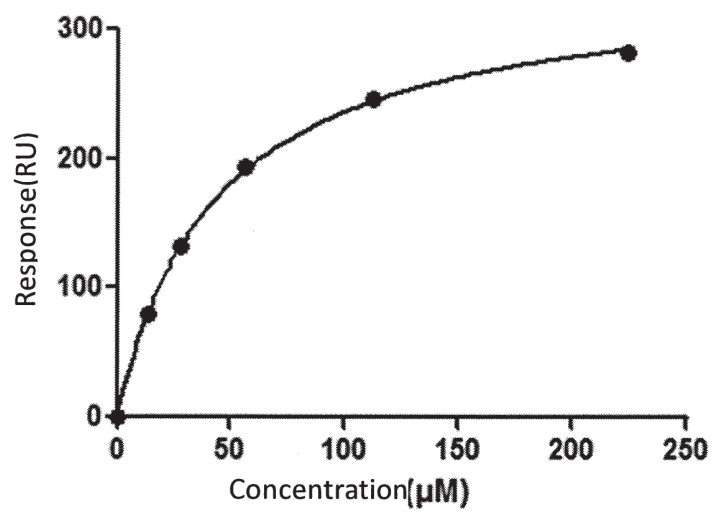


Fig. 12

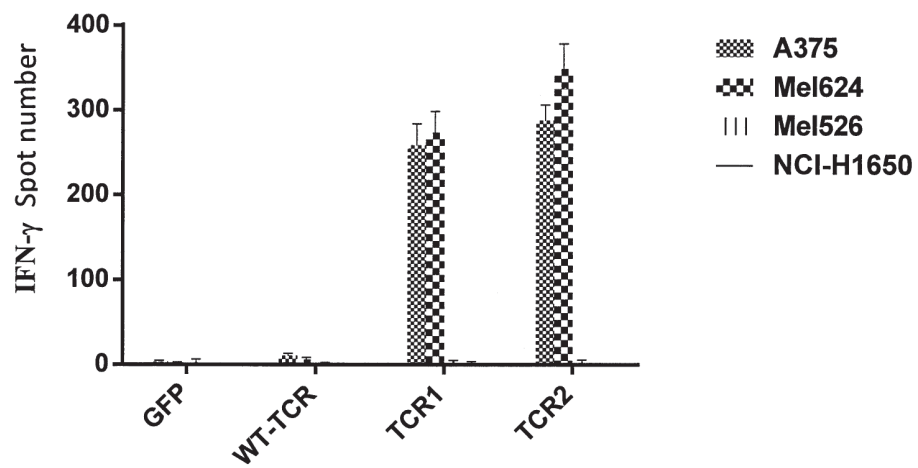


Fig. 13

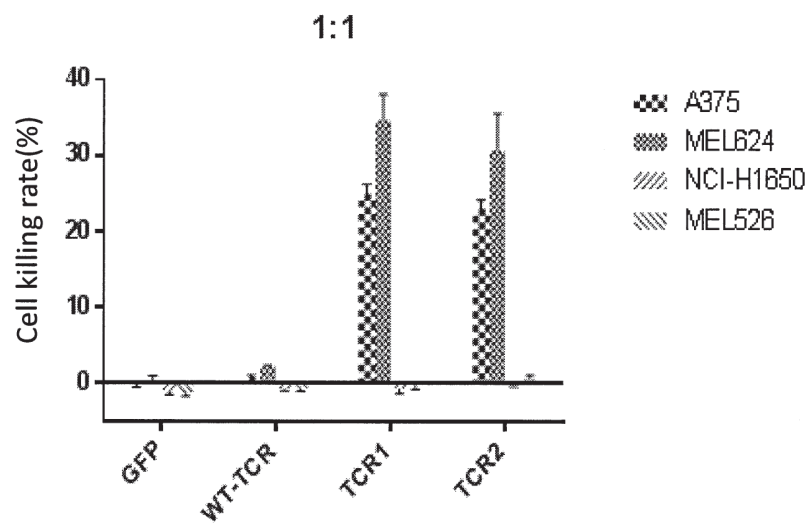


Fig. 14

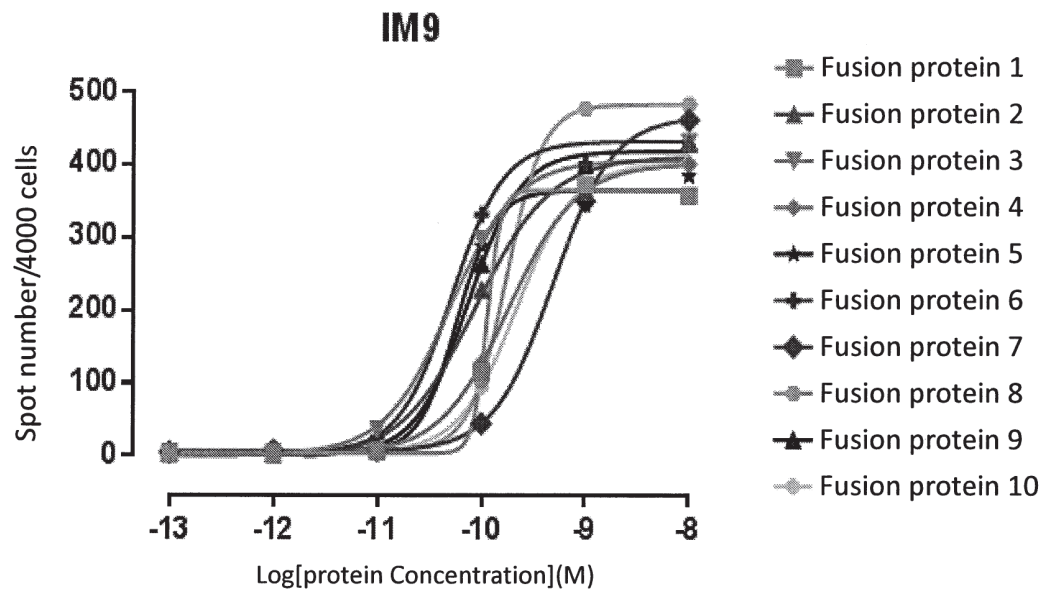


Fig. 15a

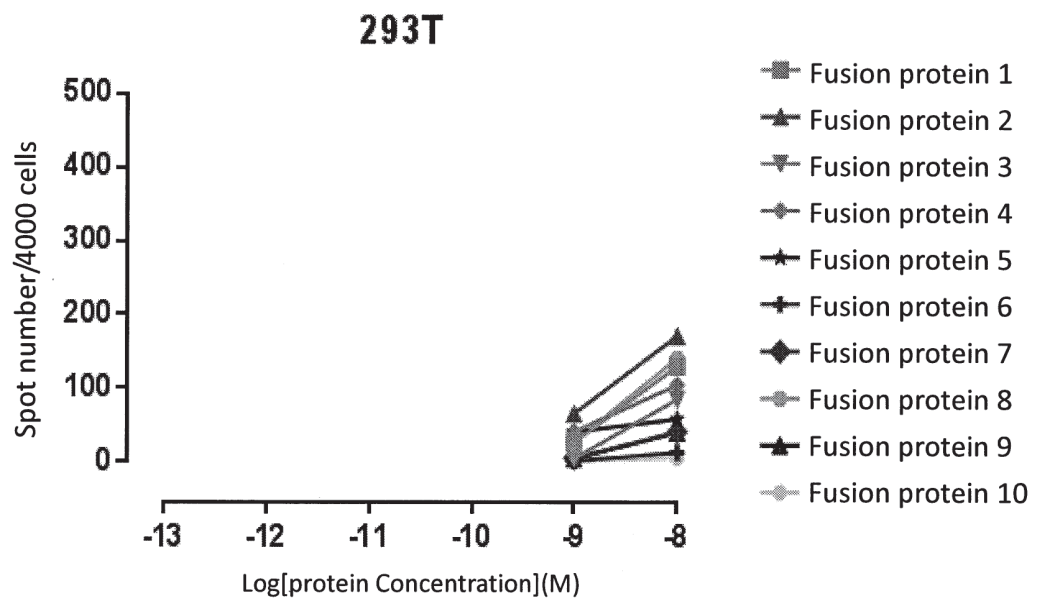


Fig. 15b

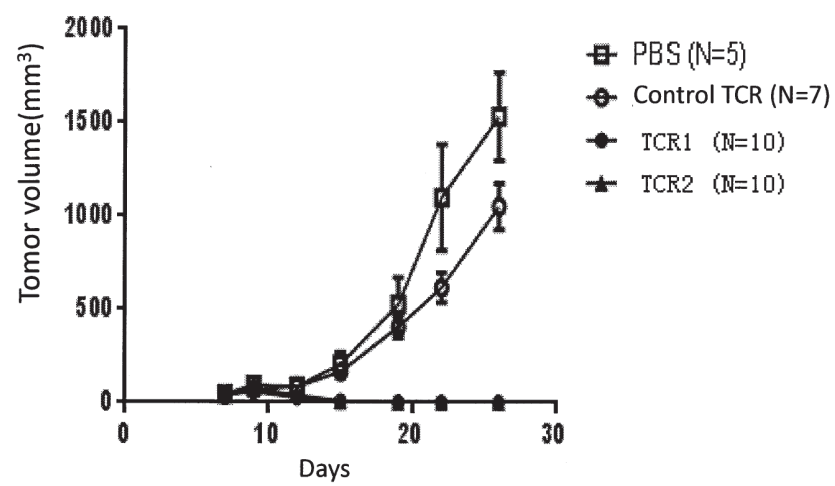


Fig. 16