

**Supplementary Table2 List of oligonucleotides**

consecutive amino acids	oligonucleotides sequences
K (AAA)	5' -CTAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA-3' 5' -CTAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTG-3'
K (AAG)	5' -CTAGCAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGA-3' 5' -CTAGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTG-3'
K (AAAAAG)	5' -CTAGCAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAA-3' 5' -CTAGTTTTCTTTTTCTTTTTCTTTTTCTTTTTCTTTTTCTTG-3'
K (AAAAAG) -FS	5' -CTAGCCAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAAAGAAAGGA-3' 5' -CTAGTCCTTCTTTTTCTTTTTCTTTTTCTTTTTCTTTTTCTTGG-3'
R	5' -CTAGCCGGCGACGACGGCGCCGCGGCGACGACGGCGCCGCA-3' 5' -CTAGTGGCGGCGCGTCTGTCGCGGCGGCGCGCGTCTGCGCCG-3'
R-FS	5' -CTAGCCCCGGCGACGACGGCGCCGCGGCGACGACGGCGCCGCA-3' 5' -CTAGTGGCGGCGCGTCTGTCGCGGCGGCGCGCGTCTGCGCCGGG-3'
(RK) 6	5' -CTAGCAAAAGAAAGCGAAAGCGCAAACGGAAGCGTAAAAGAA-3' 5' -CTAGTTCCTTTACGCTTCCGTTTGCCTTTCGCTTCTTTTTTG-3'
F	5' -CTAGCTTTTTCTTCTTCTTTTTTTTTCTTCTTCTTTTTCTTCA-3' 5' -CTAGTGAAGAAAAAGAAGAAGAAAAAAAAGAAGAAGAAAAAG-3'
E	5' -CTAGCGAGGAAGAGGAAGAGGAAGAGGAAGAGGAAGAGGAAA-3' 5' -CTAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTCG-3'
L	5' -CTAGCCTTCTCCTACTGCTTCTCCTACTGCTTCTCCTACTGA-3' 5' -CTAGTCAGTAGGAGAAGCAGTAGGAGAAGCAGTAGGAGAAGG-3'
I	5' -CTAGCATTATCATCATAATTATCATCATAATTATCATCATAA-3' 5' -CTAGTTATGATGATAATTATGATGATAATTATGATGATAATG-3'
M	5' -CTAGCATGATGATGATGATGATGATGATGATGATGATGATGA-3' 5' -CTAGTCATCATCATCATCATCATCATCATCATCATCATCATG-3'
V	5' -CTAGCGTTGTCGTAGTGGTTGTCGTAGTGGTTGTCGTAGTGA-3' 5' -CTAGTCACTACGACAACCACTACGACAACCACTACGACAACG-3'
S	5' -CTAGCTCTTCTCCTCATCGTCTTCTCCTCATCGTCTTCTCCTCGA-3' 5' -CTAGTCGATGAGGAAGACGATGAGGAAGACGATGAGGAAGAG-3'
P	5' -CTAGCCCTCCCCACCGCTCCCCACCGCTCCCCACCGA-3' 5' -CTAGTCGGTGGGGGAGGCGGTGGGGGAGGCGGTGGGGGAGGG-3'
T	5' -CTAGCACTACCACAACGACTACCACAACGACTACCACAACGA-3' 5' -CTAGTCGTTGTGGTAGTCGTTGTGGTAGTCGTTGTGGTAGTG-3'
A	5' -CTAGCGCTGCCGAGCGGCTGCCGAGCGGCTGCCGAGCGA-3' 5' -CTAGTCGCTGCCGAGCGGCTGCCGAGCGGCTGCCGAGCG-3'
Y	5' -CTAGCTATTACTATTACTATTACTATTACTATTACTATTACA-3' 5' -CTAGTGTAAAGTAATAGTAATAGTAATAGTAATAGTAATAG-3'
H	5' -CTAGCCATCACCATCACCATCACCATCACCATCACCATCACA-3' 5' -CTAGTGTGATGGTGATGGTGATGGTGATGGTGATGGTGATGG-3'
N	5' -CTAGCAATAACAATAACAATAACAATAACAATAACAATAACA-3' 5' -CTAGTGTATTGTTATTGTTATTGTTATTGTTATTGTTATTG-3'
D	5' -CTAGCGATGACGATGACGATGACGATGACGATGACGATGACA-3' 5' -CTAGTGTATCGTCATCGTCATCGTCATCGTCATCGTCATCG-3'
C	5' -CTAGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCA-3' 5' -CTAGTGCAACAGCAACAGCAACAGCAACAGCAACAGCAACAG-3'
W	5' -CTAGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGGA-3' 5' -CTAGTCCACCACCACCACCACCACCACCACCACCACCACCAG-3'
Q	5' -CTAGCCAACAGCAACAGCAACAGCAACAGCAACAGCAACAGA-3' 5' -CTAGTCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGG-3'
G (Gly)	5' -CTAGCGGTGGCGGAGGGGGTGGCGGAGGGGGTGGCGGAGGGA-3' 5' -CTAGTCCCTCCGCCACCCCTCCGCCACCCCTCCGCCACCG-3'
W-FS	5' -CTAGCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGCCA-3' 5' -CTAGTGGCCACCACCACCACCACCACCACCACCACCACCACCAGG-3'
SL	5' -GATCCGATATCCCGTGGAGGGGCGGCGTGGTGGCGGCTGCAGCC GCCACCACGCGCCCTCCACGGGATATCG-3'