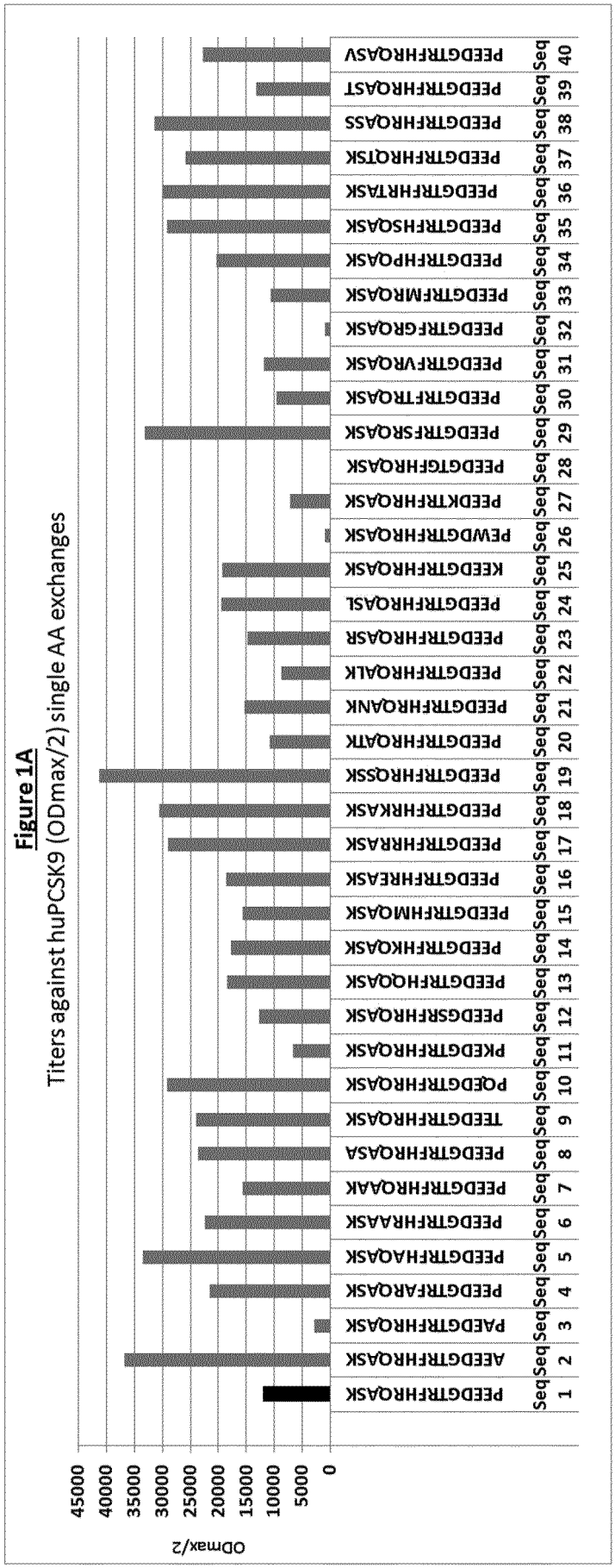
# Figure 1A


Figure 1A
Titers against huPCSK9 (ODmax/2) single AA exchanges
ODmax/2
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Seq 1 PEEDGTRFHRQASK
Seq 2 AEEDGTRFHRQASK
Seq 3 PAEDGTRFHRQASK
Seq 4 PEEDGTRFARQASK
Seq 5 PEEDGTRFHAQASK
Seq 6 PEEDGTRFHRAASK
Seq 7 PEEDGTRFHRQAAK
Seq 8 PEEDGTRFHRQASA
Seq 9 TEEDGTRFHRQASK
Seq 10 PQEDGTRFHRQASK
Seq 11 PKEDGTRFHRQASK
Seq 12 PEEDGSRFHRQASK
Seq 13 PEEDGTRFHQQASK
Seq 14 PEEDGTRFHKQASK
Seq 15 PEEDGTRFHMQASK
Seq 16 PEEDGTRFHREASK
Seq 17 PEEDGTRFHRRASK
Seq 18 PEEDGTRFHRKASK
Seq 19 PEEDGTRFHRQSSK
Seq 20 PEEDGTRFHRQATK
Seq 21 PEEDGTRFHRQANK
Seq 22 PEEDGTRFHRQALK
Seq 23 PEEDGTRFHRQASR
Seq 24 PEEDGTRFHRQASL
Seq 25 KEEDGTRFHRQASK
Seq 26 PEWDGTRFHRQASK
Seq 27 PEEDKTRFHRQASK
Seq 28 PEEDGTGFHRQASK
Seq 29 PEEDGTRFSRQASK
Seq 30 PEEDGTRFTRQASK
Seq 31 PEEDGTRFVRQASK
Seq 32 PEEDGTRFGRQASK
Seq 33 PEEDGTRFMRQASK
Seq 34 PEEDGTRFHPQASK
Seq 35 PEEDGTRFHSQASK
Seq 36 PEEDGTRFHRTASK
Seq 37 PEEDGTRFHRQTSK
Seq 38 PEEDGTRFHRQASS
Seq 39 PEEDGTRFHRQAST
Seq 40 PEEDGTRFHRQASV

## Figure 1B

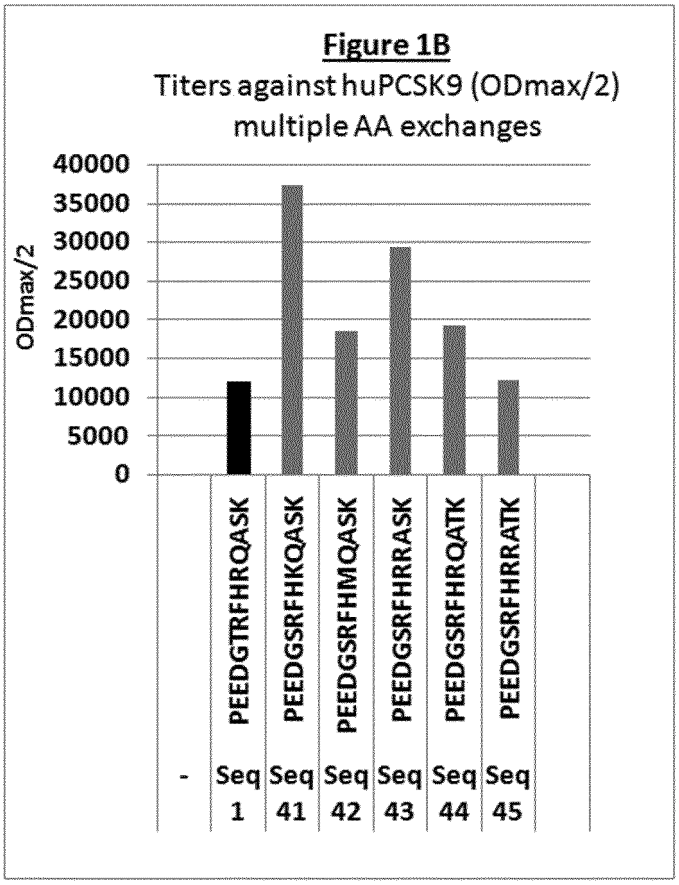

Figure 1B
Titers against huPCSK9 (ODmax/2)
multiple AA exchanges
ODmax/2
40000
35000
30000
25000
20000
15000
10000
5000
0
-
PEEDGTRFHRQASK
Seq 1
PEEDGSRFHKQASK
Seq 41
PEEDGSRFHMQASK
Seq 42
PEEDGSRFHRRASK
Seq 43
PEEDGSRFHRQATK
Seq 44
PEEDGSRFHRRATK
Seq 45

**Figure 2A**

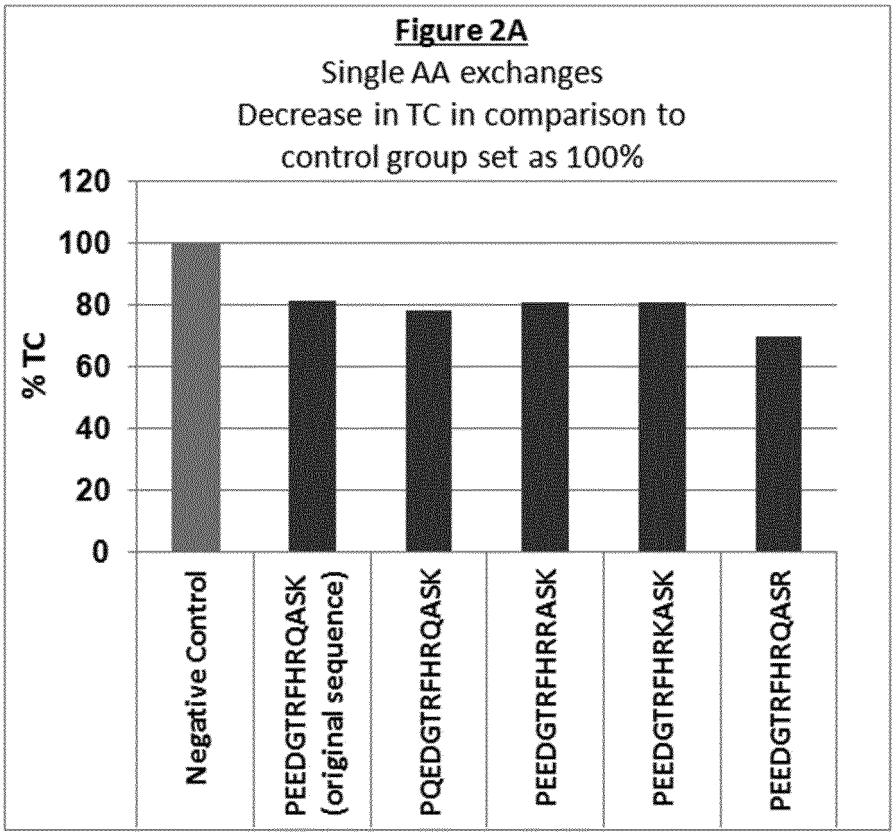



**Figure 2B**

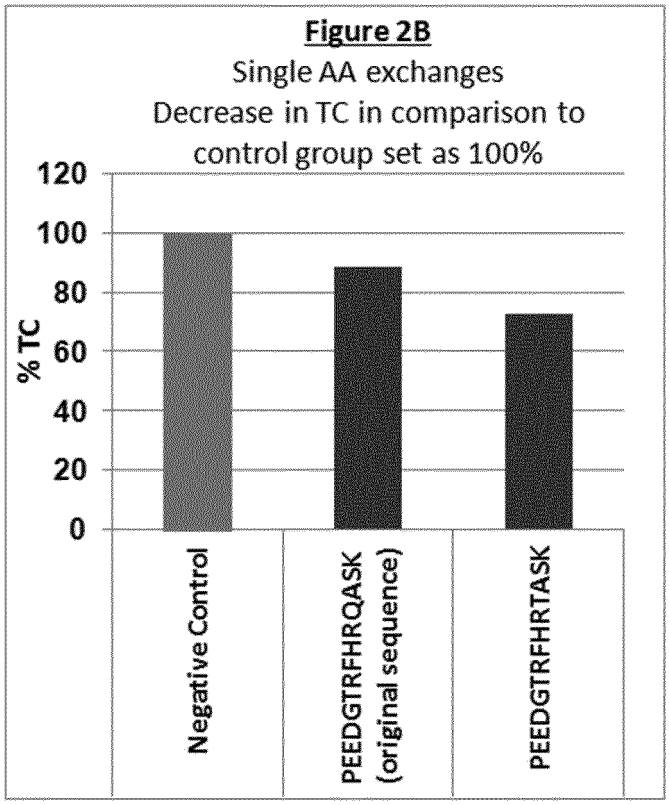


Figure 2C

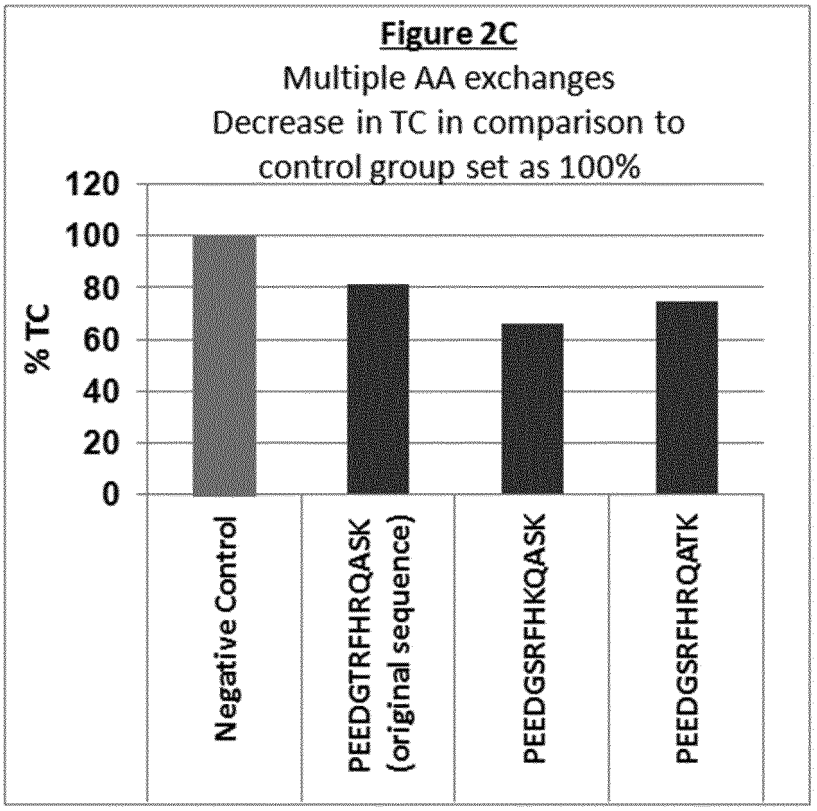



Figure 3

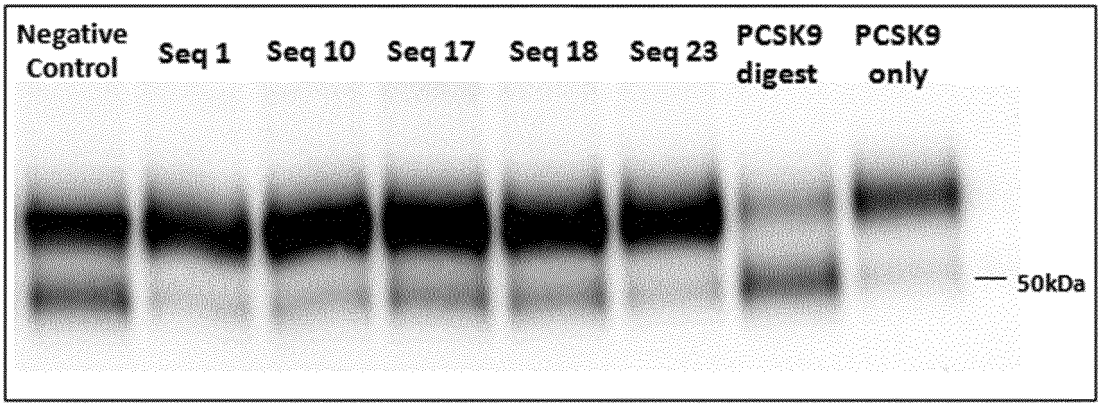


**Figure 4**

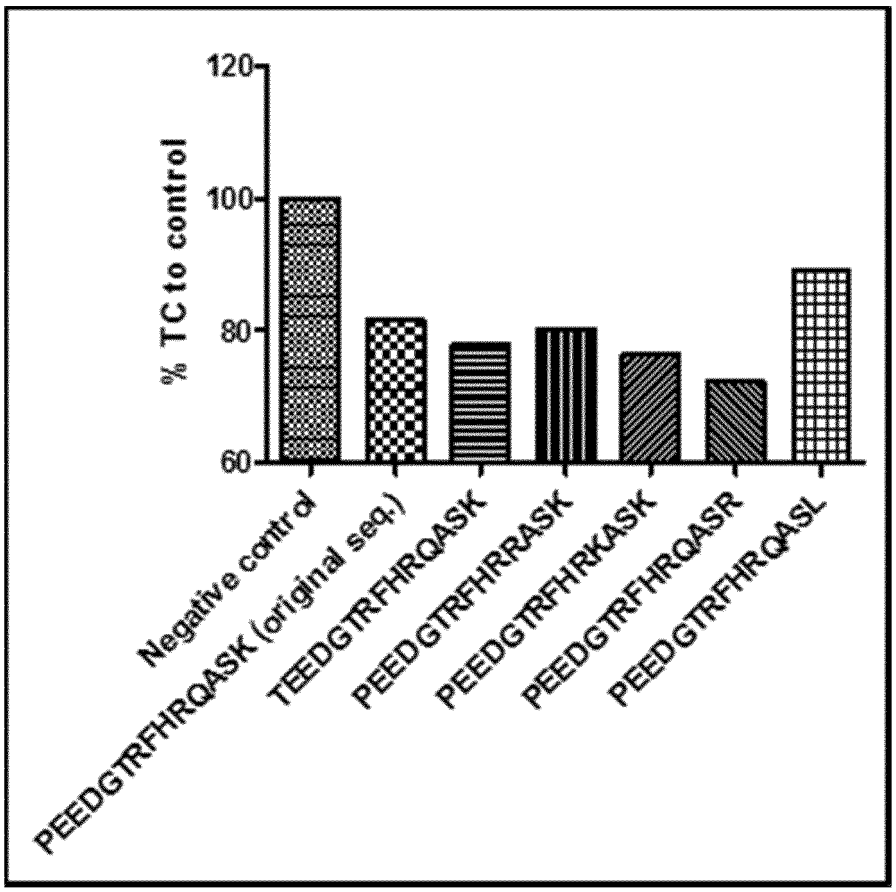



**Figure 5**

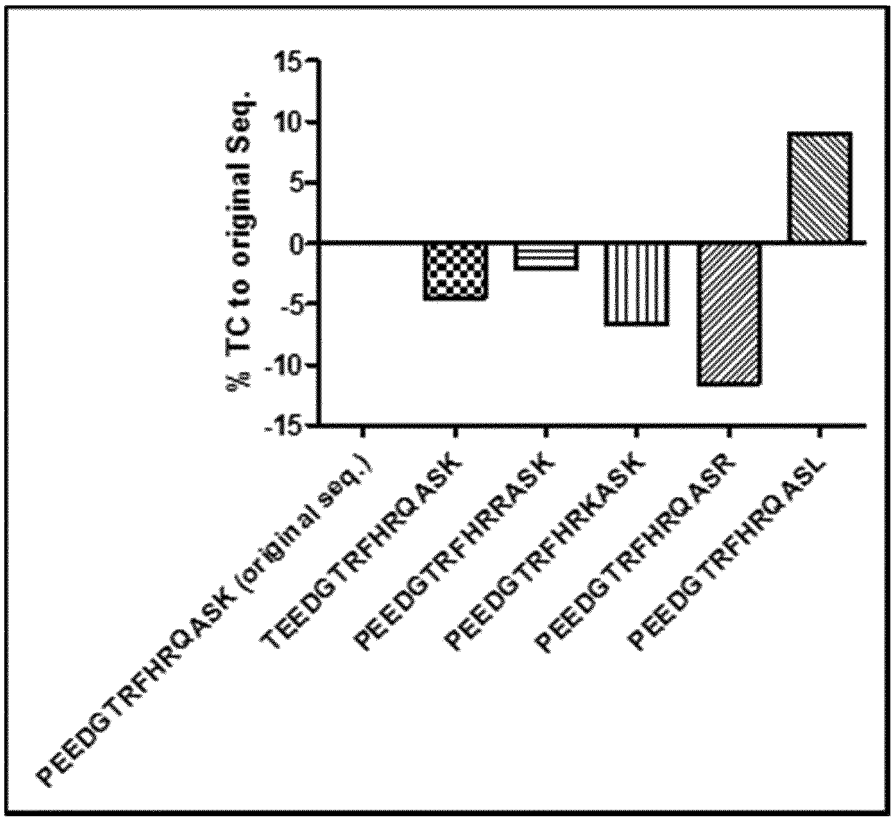
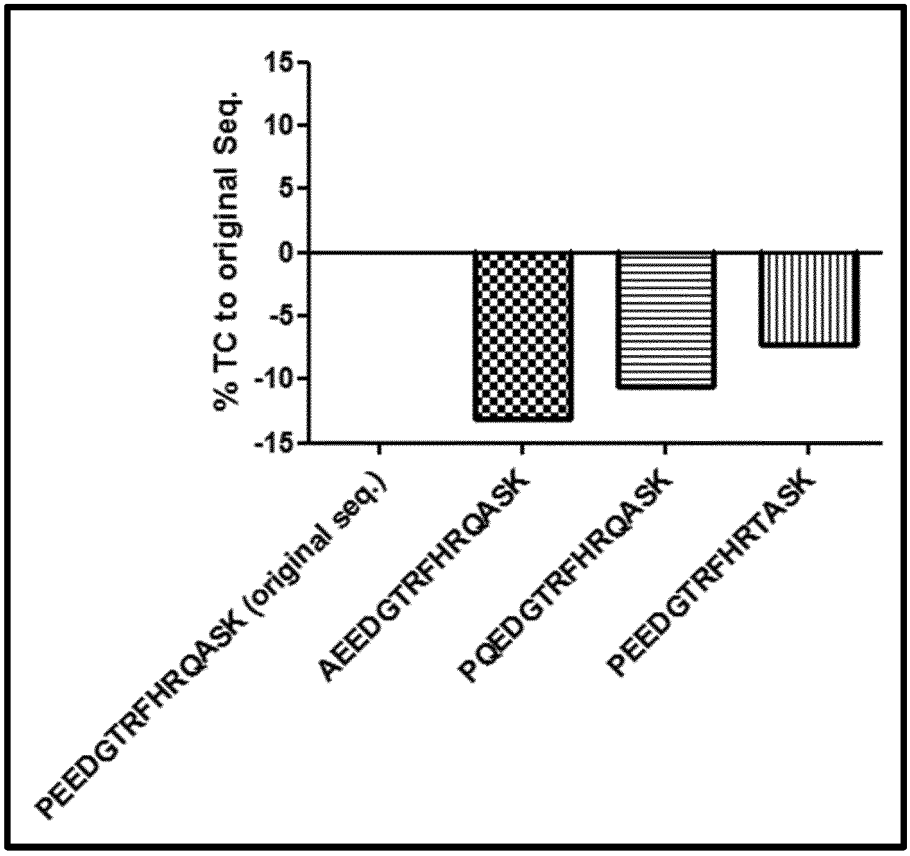


**Figure 6**


% TC to original Seq.
15
10
5
0
-5
-10
-15
PEEDGTRFHRQASK (original seq.)
AEEDGTRFHRQASK
PQEDGTRFHRQASK
PEEDGTRFHRTASK