

unliganded_A $\xrightarrow{\beta 1}$ $\xrightarrow{\beta 2}$ $\xrightarrow{\beta 3}$ $\xrightarrow{\alpha 1}$ $\xrightarrow{\eta 1}$ $\xrightarrow{\beta 4}$ $\xrightarrow{\beta 5}$ $\xrightarrow{\beta 6}$
 1 10 20 30 40 50 60
unliganded_A LWVTIVYGVVPVWKEATTTLFCASDAKAYDTEVHNWVATHACVPTDNPQEVVLENVTEHF

unliganded_A $\xrightarrow{\alpha 2}$ $\xrightarrow{\eta 2}$ $\xrightarrow{\beta 7}$ $\xrightarrow{\beta 8}$ $\xrightarrow{\beta 9}$ $\xrightarrow{\beta 10}$ $\xrightarrow{\beta 11}$ $\xrightarrow{\beta 12}$
 70 80 90 100 110 120
unliganded_A NMWKNMVEQMQEDIISLWDQSLKPCVKLTPLCVTLNCKDVNATNTTNDSEGTMERGEIK

unliganded_A $\xrightarrow{\beta 8}$ $\xrightarrow{\beta 9}$ $\xrightarrow{\beta 10}$ $\xrightarrow{\beta 11}$ $\xrightarrow{\beta 12}$ $\xrightarrow{\beta 13}$ $\xrightarrow{\beta 14}$ $\xrightarrow{\beta 15}$ $\xrightarrow{\beta 16}$ $\xrightarrow{\beta 17}$ $\xrightarrow{\beta 18}$
 130 140 150 160 170 180
unliganded_A NCSFNITTSIRDEVQKEYALFYKLDVVPIDNNNTSYRLISCDTTSVITQACPKISFEPIPI

unliganded_A $\xrightarrow{\beta 13}$ $\xrightarrow{\beta 14}$ $\xrightarrow{\beta 15}$ $\xrightarrow{\beta 16}$ $\xrightarrow{\beta 17}$ $\xrightarrow{\beta 18}$ $\xrightarrow{\beta 19}$ $\xrightarrow{\beta 20}$ $\xrightarrow{\beta 21}$ $\xrightarrow{\beta 22}$
 190 200 210 220 230 240
unliganded_A HYCAPAGFAILKCNDRKTFNGKGPCKNVSTVQCTHGIRPVVSTQLLLNGLAEVEEVIRSD

unliganded_A $\xrightarrow{\beta 19}$ $\xrightarrow{\beta 20}$ $\xrightarrow{\beta 21}$ $\xrightarrow{\beta 22}$ $\xrightarrow{\beta 23}$ $\xrightarrow{\beta 24}$ $\xrightarrow{\beta 25}$ $\xrightarrow{\beta 26}$
 250 260 270 280 290 300
unliganded_A NFTNNAKTIIIVQLKESVEINCTRPNNNTRKSIHIGPGRAFYTTGEEIIGDIRQAHCNISRA

unliganded_A $\xrightarrow{\alpha 3}$ $\xrightarrow{\beta 23}$ $\xrightarrow{\alpha 4}$ $\xrightarrow{\beta 24}$ $\xrightarrow{\beta 25}$ $\xrightarrow{\beta 26}$
 310 320 330 340 350 360
unliganded_A KWNDTLKQIVIKLREQFENKTIVFNHSSGGDPEIVMHSFNCGGEFFYCNSTQLFNSTWNN

unliganded_A $\xrightarrow{\beta 27}$ $\xrightarrow{\beta 28}$ $\xrightarrow{\eta 3}$ $\xrightarrow{\beta 29}$ $\xrightarrow{\beta 30}$ $\xrightarrow{\beta 31}$ $\xrightarrow{\beta 32}$ $\xrightarrow{\beta 33}$
 370 380 390 400 410 420
unliganded_A NTEGSNNTEGNTITLPCRIKQIINMWQEVGKAMYAPPIRGQIRCSSNITGLLLTRDGGIN

unliganded_A $\xrightarrow{\beta 31}$ $\xrightarrow{\alpha 5}$ $\xrightarrow{\beta 32}$ $\xrightarrow{\beta 33}$ $\xrightarrow{\beta 34}$ $\xrightarrow{\beta 35}$ $\xrightarrow{\beta 36}$ $\xrightarrow{\beta 37}$
 430 440 450 460 470
unliganded_A ENGTEIFRPGGDMRDNWRSELYKYKVVKIEPLGVAPTAKARRVVQREKR