

Annex B: Annotated sequences SEQ ID NO: 52, 53, 55 and 56

- The section of the sequences representing the CH1 region of the anti-BCMA Fab comprising the charge variant mutations is marked in **bold** font.
- The mutations K147E and K213E numbered according to the EU index of Kabat are *underlined and italic*
- The naturally occurring amino acids Y147 and K213 numbered according to Kabat are underlined

SEQ ID NO 52:

EVQLLESGGGLVQPGGSLRLSCAASGFTFSDNAMGWVRQAPGKGLEWVSAISGPGSSTYYADSVKGRFTISRDN SKNTLYLQ
MNSLRAEDTAVYYCAKVLGWFDYWGGQGLTVTVSS**ASTKGPSVFPLAPSSKSTSGGTAALGCLV***EDY***FPEPVT**SWNSGALT**S**
GVHTFPAVLQSSGLYSLSSVTVPS*SSLGTQTYICNVNHKPSNTKVD**EKV*EPKSCDGGGGSGGGGSQAVVTQEP SLTVSPGG
TVTLTCSSTGAVTTSNYANWVQEKPGQAFRLIGGTNKRAPGTPARFSGSLLGGKAALTLSGAQPEDEAEYYCALWYSNLW
VFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT SWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPS
SSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF
NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALGAPIEKISKAKGQPREPQVYTLPPCRDEL
TKNQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS
LSLSPGK

SEQ ID NO 53:

EVQLLESGGGLVQPGGSLRLSCAASGFTFSDNAMGWVRQAPGKGLEWVSAISGPGSSTYYADSVKGRFTISRDN SKNTLYLQ
MNSLRAEDTAVYYCAKVLGWFDYWGGQGLTVTVSS**ASTKGPSVFPLAPSSKSTSGGTAALGCLV***EDY***FPEPVT**SWNSGALT**S**
GVHTFPAVLQSSGLYSLSSVTVPS*SSLGTQTYICNVNHKPSNTKVD**EKV*EPKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKD
TLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALGAP
IEKTISKAKGQPREPQVCTLPSPRDELTKNQVSLSCAVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLVSKLTVDKSR
WQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

SEQ ID NO 55:

EVQLLESGGGLVQPGGSLRLSCAASGFTFSDNAMGWVRQAPGKGLEWVSAISGPGSSTYYADSVKGRFTISRDN SKNTLYLQ
MNSLRAEDTAVYYCAKVLGWFDYWGGQGLTVTVSS**ASTKGPSVFPLAPSSKSTSGGTAALGCLV***EDY***FPEPVT**SWNSGALT**S**
GVHTFPAVLQSSGLYSLSSVTVPS*SSLGTQTYICNVNHKPSNTKVD**EKV*EPKSCDGGGGSGGGGSQAVVTQEP SLTVSPGG
TVTLTCSSTGAVTTSNYANWVQEKPGQAFRLIGGTNKRAPGTPARFSGSLLGGKAALTLSGAQPEDEAEYYCALWYSNLW
VFGGGTKLTVLSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVT SWNSGALTSGVHTFPAVLQSSGLYSLSSVTVPS
SSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKF
NWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALGAPIEKISKAKGQPREPQVYTLPPCRDEL
TKNQVSLWCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKS
LSLSPGK

SEQ ID NO 56:

EVQLLESGGGLVQPGGSLRLSCAASGFTFSDNAMGWVRQAPGKGLEWVSAISGPGSSTYYADSVKGRFTISRDN SKNTLYLQ
MNSLRAEDTAVYYCAKVLGWFDYWGGQGLTVTVSS**ASTKGPSVFPLAPSSKSTSGGTAALGCLV***EDY***FPEPVT**SWNSGALT**S**
GVHTFPAVLQSSGLYSLSSVTVPS*SSLGTQTYICNVNHKPSNTKVD**EKV*EPKSCDKTHTCPPCPAPEAAGGPSVFLFPPKPKD
TLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALGAP

Annex B

Application No.: NC2018/0001149

Our Ref.: P48242CO-PCT

Your Ref.: P2018/000014

IEKTISKAKGQPREPQVCTLPSPRDELTKNQVSLSCAVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSGDSFFLVSKLTVDKSR
WQQGNVFSCSVMHEALHNHYTQKSLSLSPGK