

|                 |                                                                |
|-----------------|----------------------------------------------------------------|
| Kabat numbering | 1-----10-----20-----30-----40-----50-----                      |
| MYC             | -MEVKLVESGGDLVKPGGSLKLSCAASGFTFSSHYGMSWVRQTPDKRLEWVATIG--SRGT  |
| MYC-2E2         | MAEVQLVESGGDLVKPGGSLKLSCAASGFTFSSHYGMSWVRQTPDKRLEWVATIG--SRGT  |
| MYC-15F11       | -MEVKLVESGGGLVKPGGSLKLSCAASGFTFSSHYGMSWVRQTPEKRLEWVATIG--SRGT  |
| mBG17           | MAEVKLEESGGGLVQPGGSMKFSCVASGFTFSDYWMNWVRQSPDKGLEWVAEIRLKSNNY   |
| mBG17-2E2       | MAEVQLVESGGDLVKPGGSLKLSCAASGFTFSDYWMNWVRQTPDKRLEWVAEIRLKSNNY   |
| mBG17-15F11     | MAEVKLVESGGGLVKPGGSLKLSCAASGFTFSDYWMNWVRQTPEKRLEWVAEIRLKSNNY   |
| HA- <u>scFv</u> | MAEVKLVESGGDLVKPGGSLKLSCAASGFTFSSYGYMSWVRQTPDKRLEWVATISRG--GS  |
| HA-2E2          | MAEVQLVESGGDLVKPGGSLKLSCAASGFTFSSYGYMSWVRQTPDKRLEWVATISRG--GS  |
| HA-15F11        | -MEVKLVESGGGLVKPGGSLKLSCAASGFTFSSYGYMSWVRQTPEKRLEWVATISRG--GS  |
| Kabat numbering | -----65---70-----80-----90---95-----102                        |
| MYC             | YTHYPDSVKGRFTISRDNKDNALYLQMNLSLKSEDAMYYCARRSEFYFYNGNTYYYSAMDY  |
| MYC-2E2         | YTHYPDSVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARRSEFYFYNGNTYYYSAMDY   |
| MYC-15F11       | YTHYPDSVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARRSEFYFYNGNTYYYSAMDY   |
| mBG17           | ATHYAASVKGRFTISRDDKSSVYLQMNNLRAEDSGIYYCTRS-----AMDY            |
| mBG17-2E2       | ATHYAASVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARS-----AMDY            |
| mBG17-15F11     | ATHYAASVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARS-----AMDY            |
| HA- <u>scFv</u> | YTYYPDSVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARRET-----YDEKGFAY      |
| HA-2E2          | YTYYPDSVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARRET-----YDEKGFAY      |
| HA-15F11        | YTYYPDSVKGRFTISRDNKNTLYLQMSLSLKSEDAMYYCARRET-----YDEKGFAY      |
|                 | -----110-                    1-----10-----24-----              |
| MYC             | WGQGASVTVSSGGGGSGGGGSGGGGSDIVLTQSPASLAVSLGQRATISCRASESVDNYG-   |
| MYC-2E2         | WGQGTSVTVSSGGGGSGGGGSGGGGSDIVLTQSPASLAVSLGQRATISCRASESVDNYG-   |
| MYC-15F11       | WGQGTTLTVSSGGGGSGGGGSGGGGSDIVLTQSPASLTVSLGQRATISCRASESVDNYG-   |
| mBG17           | WGQGTSVTVSSGGGGSGGGGSGGGGSDIVMSQSPSSLAVSVGEKITMSCKSSQSLLYTS-   |
| mBG17-2E2       | WGQGTSVTVSSGGGGSGGGGSGGGGSDIVLTQSPASLAVSLGQRATISCKSSQSLLYTS-   |
| mBG17-15F11     | WGQGTTLTVSSGGGGSGGGGSGGGGSDIVLTQSPASLTVSLGQRATISCKSSQSLLYTS-   |
| HA- <u>scFv</u> | WGQGTTVTVSSGGGGSGGGGSGGGGSDIELTQSPSSLTVTAGEKVTMSCKSSQSLLNSGN   |
| HA-2E2          | WGQGTSVTVSSGGGGSGGGGSGGGGSDIVLTQSPASLAVSLGQRATISCKSSQSLLNSGN   |
| HA-15F11        | WGQGTTLTVSSGGGGSGGGGSGGGGSDIVLTQSPASLTVSLGQRATISCKSSQSLLNSGN   |
|                 | -----34---40-----50-----60-----70-----80-----                  |
| MYC             | -FSFMNWYQKQKPGQPPKLLIYAINRSGSGVGPARGSGSGSGTDFSLNIHPVEEDDPAMYFC |
| MYC-2E2         | -FSFMNWYQKQKPGQPPKLLIYAINRSGSGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
| MYC-15F11       | -FSFMNWYQKQKPGQPPKLLIYAINRSGSGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
| mBG17           | QKNYLAWYQKQKPGQPPKLLIFWASTRDSGVPDRFTGSGSGTDFTLTISSVKAEDLAVYYC  |
| mBG17-2E2       | QKNYLAWYQKQKPGQPPKLLIYWASTRDSGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
| mBG17-15F11     | QKNYLAWYQKQKPGQPPKLLIYWASTRDSGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
| HA- <u>scFv</u> | QKNYLTWYQKQKPGQPPKLLIYWASTRESGVPDRFTGSGSGRDFTLTISSVQAEDLAVYYC  |
| HA-2E2          | QKNYLTWYQKQKPGQPPKLLIYWASTRESGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
| HA-15F11        | QKNYLTWYQKQKPGQPPKLLIYWASTRESGIPARFSGSGSGTDFTLNIHPVEEEDAATYYC  |
|                 | -90-----100----                                                |
| MYC             | QQTKEVPWTFGGGTKLEI                                             |
| MYC-2E2         | QQTKEVPWTFGGGTKLEI                                             |
| MYC-15F11       | QQTKEVPWTFGAGTKLEI                                             |
| mBG17           | QQFYNYPRTFGGGTKLEI                                             |
| mBG17-2E2       | QQFYNYPRTFGGGTKLEI                                             |
| mBG17-15F11     | QQFYNYPRTFGAGTKLEI                                             |
| HA- <u>scFv</u> | QNDNSHPLTFGAGTKLEI                                             |
| HA-2E2          | QNDNSHPLTFGGGTKLEI                                             |
| HA-15F11        | QNDNSHPLTFGAGTKLEI                                             |

Legend: Heavy chain loops linker Light chain loops