PVA9 BCR recombinations Sample IGHV1-18_IGHD2-15_IGHJ3 IGHV1-18_IGHD6-6_IGHJ5 IGHV1-24_IGHD3-10_IGHJ4 IGHV1-24_IGHD3-10_IGHJ4 IGHV1-67_IGHD1-7_IGHJ4 IGHV2-5_IGHD3-22_IGHJ5 IGHV2-70_IGHD4-17_IGHJ3 IGHV3-21_IGHD3-16_IGHJ4 IGHV3-21_IGHD3-3_IGHJ5 IGHV3-23_IGHD1-26_IGHJ4 IGHV3-30_IGHD3-22_IGHJ4 IGHV3-30-3_IGHD1-14_IGHJ6 IGHV3-33_JGHD2-2_JGHJ4 IGHV3-33_JGHD2-2_JGHJ4 IGHV3-48_JGHD3-16_JGHJ4 IGHV3-7_JGHD3-16_JGHJ4 IGHV3-9_JGHD1-7_JGHJ4 IGHV3-9_JGHD1-1_JGHJ6 IGHV4-34_JGHD3-16_JGHJ4 **IgH** IGHV4-4_IGHD3-16_IGHJ4 IGHV4-4_IGHD6-13_IGHJ4 IGHV4-59_IGHD1-7_IGHJ4 IGHV4–59_IGHD1-7_IGHD4 IGHV4–59_NA_IGHJ3 IGHV5–51_IGHD7–27_IGHJ4 IGHV6–1_IGHD5–18_IGHJ6 IGHV6–1_IGHD6–19_IGHJ3 IGHV6–1_NA_IGHJ4 CAAWGGDGGFW CAHSPYYYDSSAI GWEDPW CAKDMGLLYRGGMDVW CAKDVRWELLLWIDYW CAKGRITMIVVVDEIDYW CALGGAWNWGYFDYW CARDNCSGGSCYSGGAFDIW CARDNTGESGSAGHW CARDRGQWLVNAFDIW CAREGTDLPGYCSSTSCYPLGYW CARERGANYIDYW CARESSRKSLFGRTRYYYGLDVW CARGHYDFNIW CARGKPDFWSGYYWDWFDPW IgH CDR3aa CARGPDINSWYDSYW CARGTRINGWTDSTW CARGTRNPFDPW CARIRQGYGDPSDAFDIW CARRIDSPSNWDYVGYW CARVHALLGQYYYYMDVW CASURGEDDYW CASURGTRYYYGMDVW CASURGTRYYYGMDVW CATAPGYYYGSGSYYNYFDYW CATWRFDYW CGRGGLTGTFQPYFDNW CGRGGMTGTFQPYFDNW CGRGGMTGTFQPYFDSW CVRGGMTGTFQPYFDNW IGKV1-39_NA_IGKJ1 IGKV1-39_NA_IGKJ1 IGKV1-39_NA_IGKJ2 IGKV1-39_NA_IGKJ4 IGKV1-5_NA_IGKJ3 IGKV1-9_NA_IGKJ3 IGKV1-9_NA_IGKJ3 IGKV1D-16_NA_IGKJ1 IGKV1D-37_NA_IGKJ2 IGKV2-26_NA_IGKJ2 IGKV2-28_NA_IGKJ3 IGKV2-30_NA_IGKJ4 IGKV2-30_NA_IGKJ4 IGKV3-11_NA_IGKJ2 IGKV3-15_NA_IGKJ1 IGKV3-20_NA_IGKJ1 IGKV3-20_NA_IGKJ2 IGKV3-20_NA_IGKJ2 ř **IgK** IGKV3-20_NA_IGKJ3 IGKV3-20_NA_IGKJ3 IGKV3-20_NA_IGKJ5 IGKV3D-11_NA_IGKJ3 IGKV4-1_NA_IGKJ1 IGKV6-21 NA IGKJ1 CHOSSSLPRTF CHQSSSLPWTF CMQALQTFTF CMQDAQDPRTF CMQGTHWPLTF CMQGTHWPETF CMQGTHWRRTF CQESYNAPRTF CQESYNTPRTF CQQFGTSPYTF CQQLKNYPFTF CQQRNNWPSTF CQQRSNWHP CQQSYSTLLTF IgK CDR3aa COOSYSTIYTE CQQSTSTETTF CQQSYSTPRTF CQQYGNSPPYTF CQQYGSSLWTF COOYGSSPPITE CQQYGSSPTF CQQYGSSPTF CQQYMSYSGLTF CQQYNNWPRTF CQQYNTYPWTF CQQYV CQQYYSIPWTF CQQYYSTPWTF GQRTYNAPPRYTF YMQGTHWPLTF YMQGTHWPLTF IGLV1-51_NA_IGLJ3 IGLV2-11_NA_IGLJ3 IGLV3-11_NA_IGLJ3 IGLV3-1_NA_IGLJ2 IGLV3-21_NA_IGLJ1 IGLV3-25_NA_IGLJ1 IGLV3-25_NA_IGLJ3 IGLV6-57_NA_IGLJ3 IGLV6-57_NA_IGLJ3 IGLV1-70_NA_IGLJ2 **IgL** CCSYAGSYTPHI CGAWDSQSVSWMF CGTWDSSLSAGGVF CLLYHRGAQPWVF CQAADSSGTYKVF CQAWDSSTVVF CQSADSSGTLGVF IgL CDR3aa CQSGDSSGTWVF CQSYDSSNRVF CQVWDTSRDRPDF CSSYTSSSTPWVF CSTWDYSPVVF

Sample

MYC::IGH-

MYC::IGH+