PJBU BCR recombinations Sample IGHV1-2_IGHD1-26_IGHJ5 IGHV1-24_IGHD3-22_IGHJ2 IGHV1-3_IGHD3-3_IGHJ5 IGHV1-69_IGHD6-19_IGHJ3 IGHV3-21_IGHD4-17_IGHJ4 IGHV3-21_IGHD5-12_IGHJ3 IGHV3-23_IGHD2-2_IGHJ4 IGHV3-23_IGHD3-16_IGHJ4 IGHV3-23_IGHD3-3_IGHJ4 IGHV3-23_IGHD6-13_IGHJ4 IGHV3-30_IGHD1-1_IGHJ4 **IgH** IGHV3-30-3_IGHD3-3_IGHJ6 IGHV3-33_IGHD2-21_IGHJ6 IGHV3-33_IGHD3-9_IGHJ2 IGHV3-33_IGHD4-11_IGHJ3 IGHV3-33_IGHD6-13_IGHJ4 IGHV3-53_IGHD3-16_IGHJ4 IGHV3-66_IGHD3-16_IGHJ4 IGHV3-71_IGHD3-16_IGHJ4 IGHV3-72_IGHD6-13_IGHJ4 IGHV4-39_IGHD3-9_IGHJ6 IGHV5-51_IGHD3-22_IGHJ4 IGHV5-51_IGHD5-24_IGHJ4 Sample IGKV1-13_NA_IGKJ3 MYC::IGH-MYC::IGH+ IGKV1-37_NA_IGKJ1 IGKV1-39_NA_IGKJ2 IGKV1-5_NA_IGKJ1 IGKV3-11_NA_IGKJ1 IGKV3-11_NA_IGKJ4 **IgK** IGKV3-11_NA_IGKJ5 IGKV3-15_NA_IGKJ4 IGKV3-20_NA_IGKJ1 IGKV4-1_NA_IGKJ1 IGKV4-1_NA_IGKJ2 IGKV4-1_NA_IGKJ4 IGLV1-36_NA_IGLJ3 IGLV1-40_NA_IGLJ3 IGLV1-47_NA_IGLJ3 IGLV1-51_NA_IGLJ2 IGLV2-14_NA_IGLJ1 IGLV2-23_NA_IGLJ2 **IgL** IGLV2-8_NA_IGLJ3 IGLV3-1_NA_IGLJ1 IGLV3-19_NA_IGLJ1 IGLV3-19_NA_IGLJ2 IGLV3-21_NA_IGLJ2 IGLVI-70_NA_IGLJ2