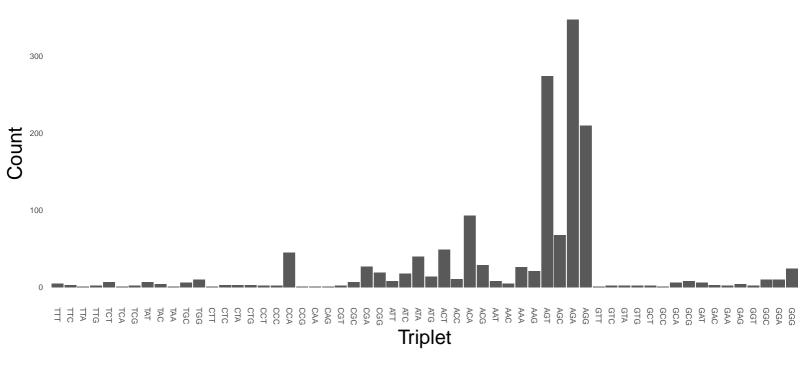
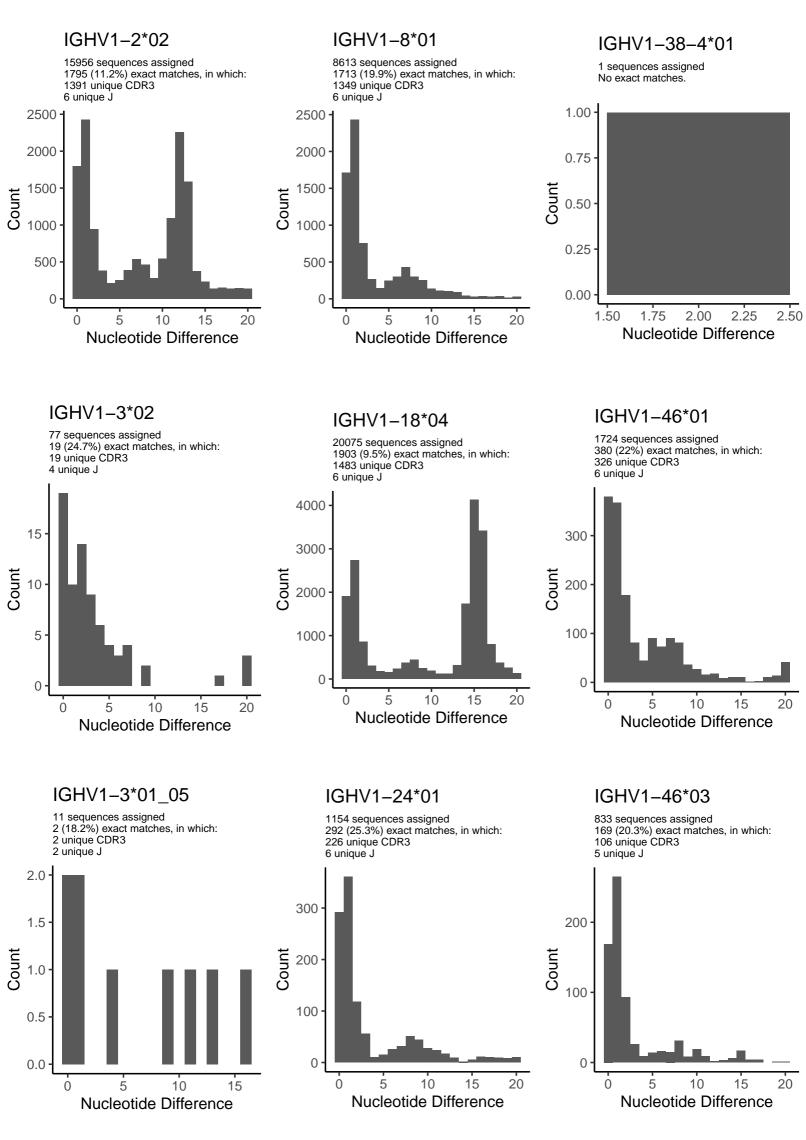
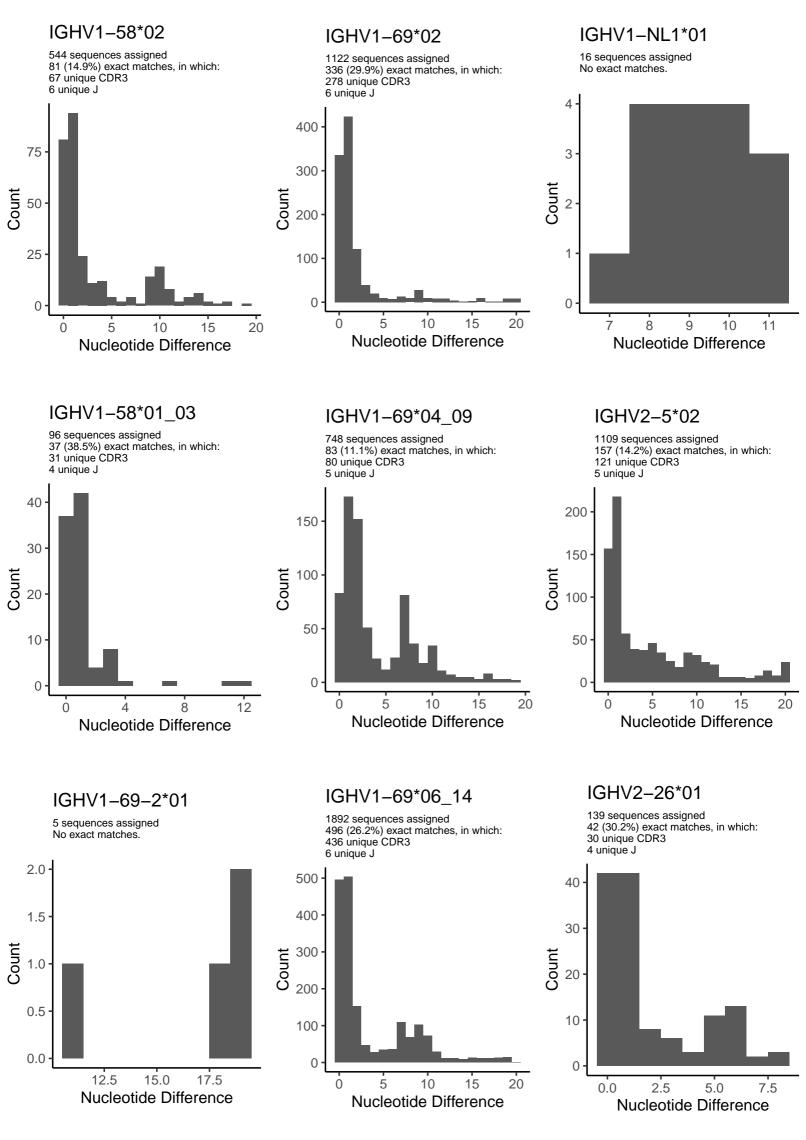




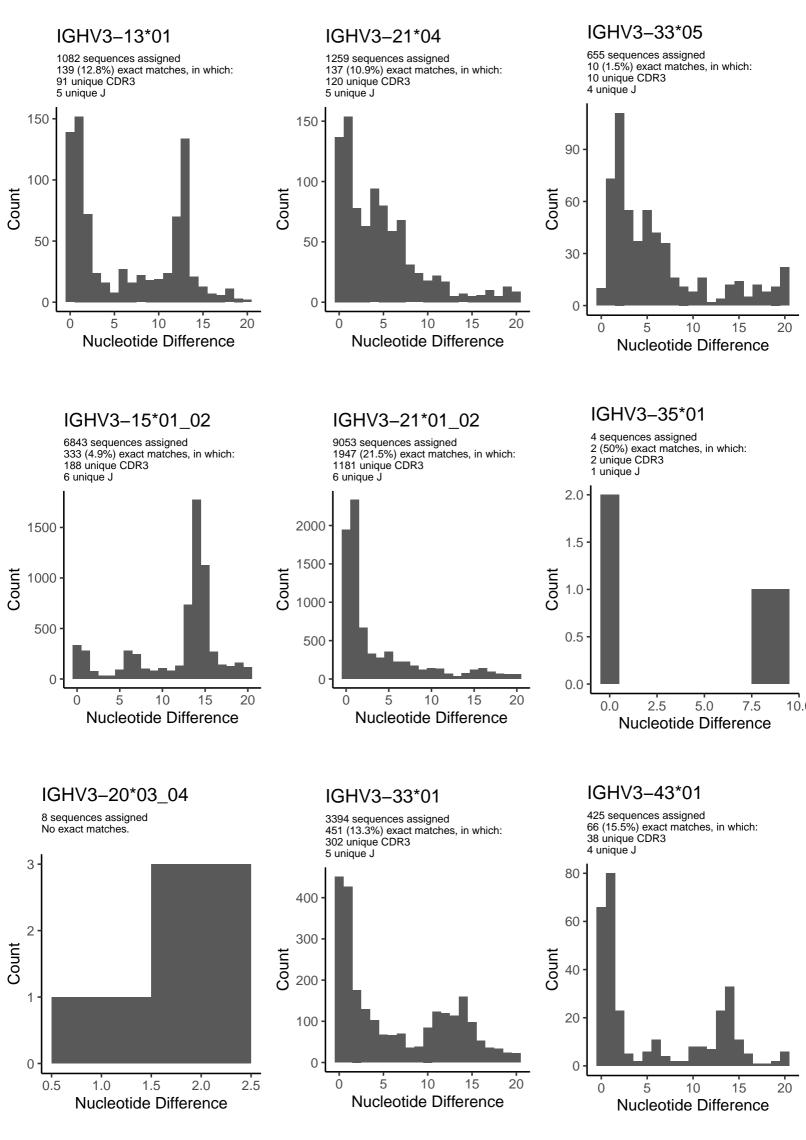
IGHV4-38-2\*02\_A70G- Final 3 nucleotides as a triplet

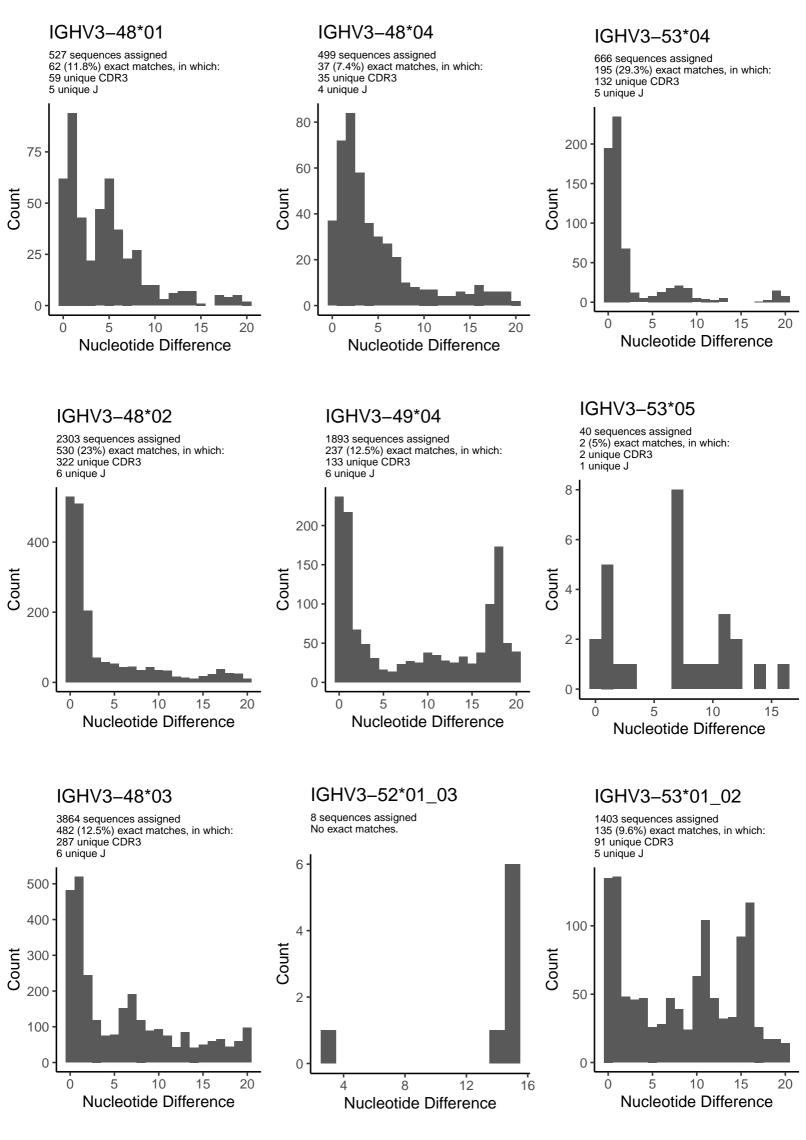


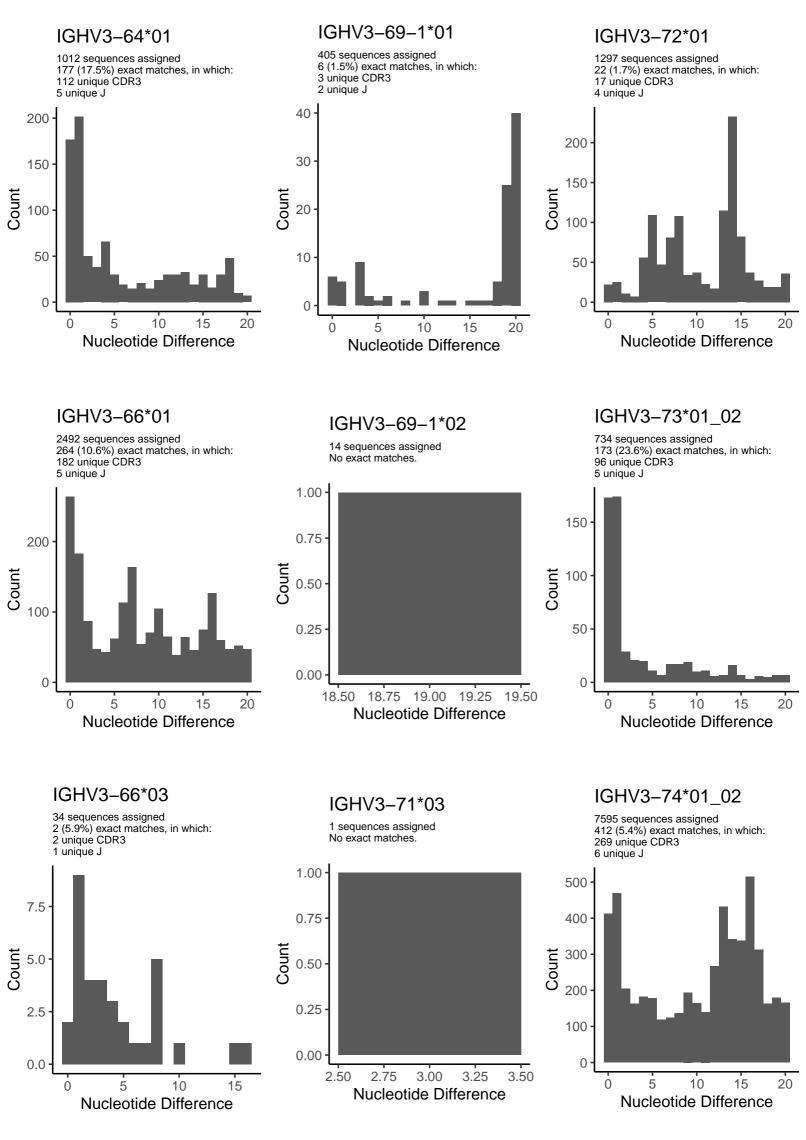


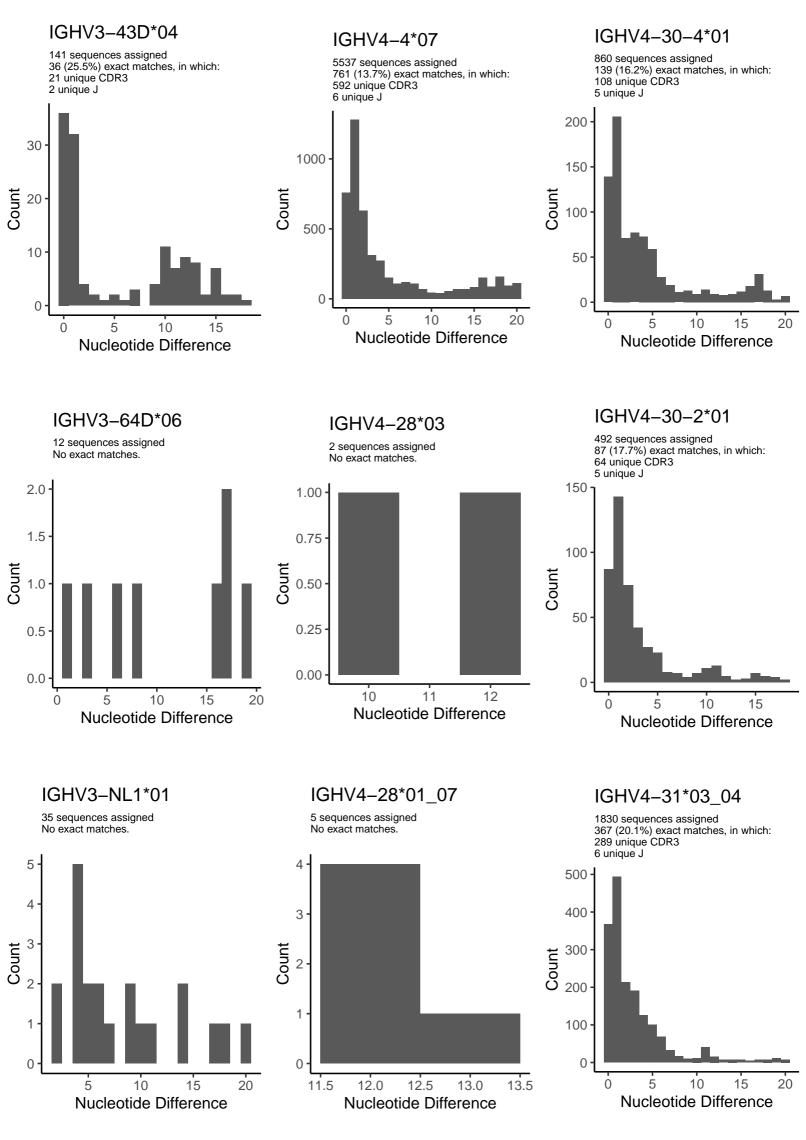


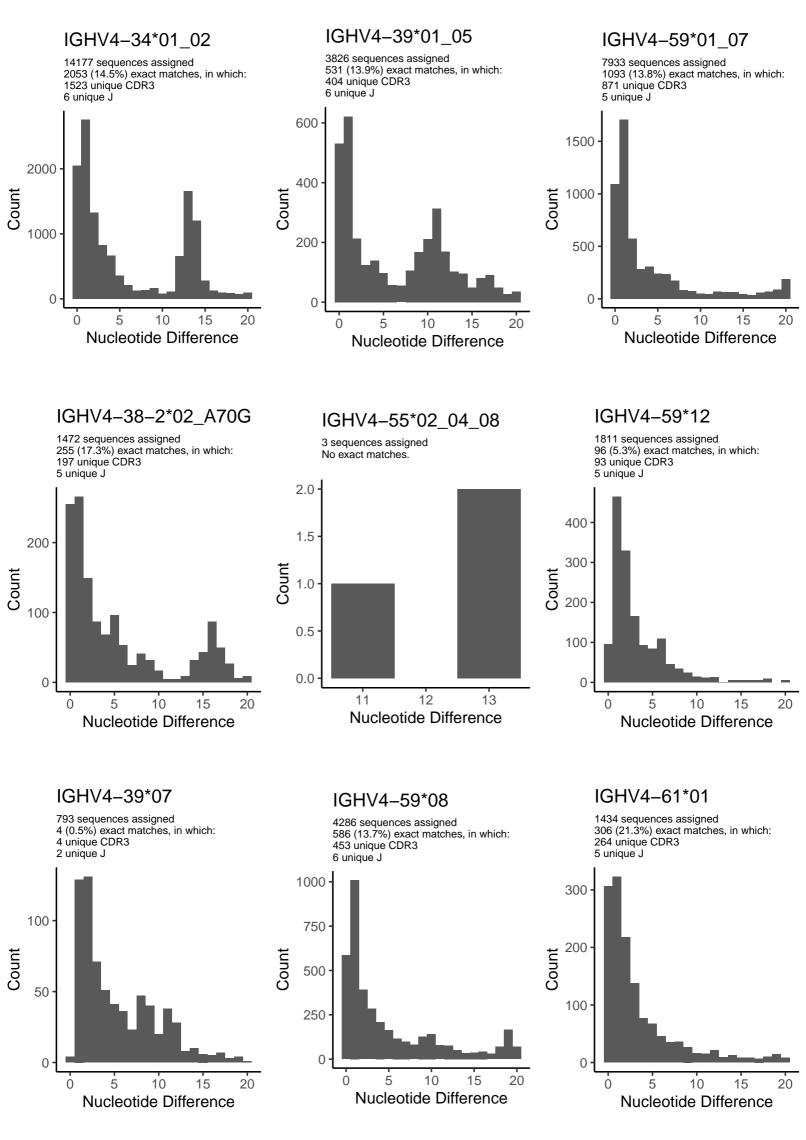
#### IGHV2-26\*02 IGHV3-7\*01 IGHV3-11\*01 37 sequences assigned 20 (54.1%) exact matches, in which: 6563 sequences assigned 1885 sequences assigned 422 (22.4%) exact matches, in which: 711 (10.8%) exact matches, in which: 18 unique CDR3 499 unique CDR3 269 unique CDR3 4 unique J 6 unique J 6 unique J 400 600 15 300 Count Count Count 400 10 200 200 5 100 0 0 0 15 5 10 20 5 10 15 20 0 0 0.0 2.5 5.0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV2-70\*01 IGHV3-11\*04 IGHV3-7\*03 200 sequences assigned 439 sequences assigned 58 (13.2%) exact matches, in which: 8014 sequences assigned 43 (21.5%) exact matches, in which: 531 (6.6%) exact matches, in which: 54 unique CDR3 32 unique CDR3 342 unique CDR3 4 unique J 4 unique J 5 unique J 60 60 400 Count Count 40 200 20 20 0 0 0 10 15 20 0 5 10 15 20 10 15 20 0 0 5 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV3-11\*06 IGHV2-70\*11\_15 IGHV3-9\*01 38 sequences assigned 480 sequences assigned 6378 sequences assigned 2 (5.3%) exact matches, in which: 106 (22.1%) exact matches, in which: 887 (13.9%) exact matches, in which: 2 unique CDR3 77 unique CDR3 485 unique CDR3 1 unique J 5 unique J 6 unique J 150 750 10 Count 100 500 5 50 250 0 0 0 20 10 15 5 10 15 0 20 10 5 **Nucleotide Difference Nucleotide Difference** Nucleotide Difference





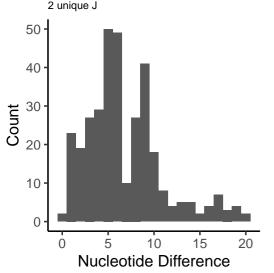






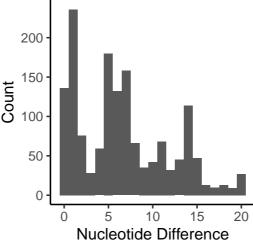
## IGHV4-61\*08

375 sequences assigned 2 (0.5%) exact matches, in which: 2 unique CDR3 2 unique J



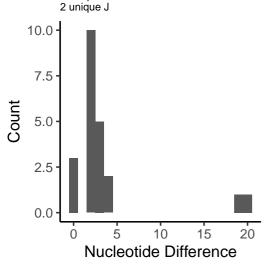
## IGHV6-1\*01\_02

1603 sequences assigned 136 (8.5%) exact matches, in which: 111 unique CDR3 4 unique J



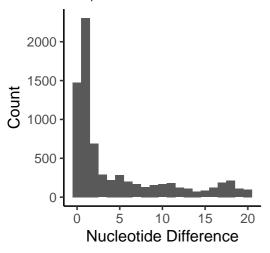
### IGHV5-10-1\*01\_03

23 sequences assigned 3 (13%) exact matches, in which: 3 unique CDR3



# IGHV5-51\*01\_03

8271 sequences assigned 1475 (17.8%) exact matches, in which: 764 unique CDR3 6 unique J





Novel sequence(s) IGHV1-69\*01\_12\_13\_G238A IGHV3-48\*03\_T303G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5–51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV4–59\*02\_G88A are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30-3\*01\_T288C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30\*03\_T288C are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Novel sequence(s) IGHV3-33\*01\_G75C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-33\*01\_G75C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.

Novel sequence(s) IGHV3-30\*03\_T288C IGHV4-59\*02\_G88A IGHV5-51\*07\_A128G are not listed in the genotype and will be ignored.