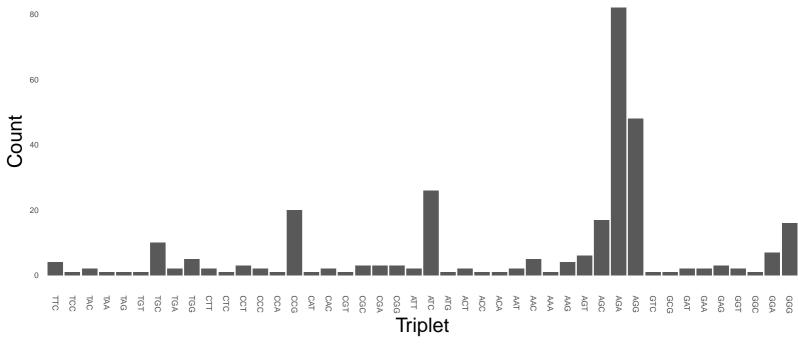
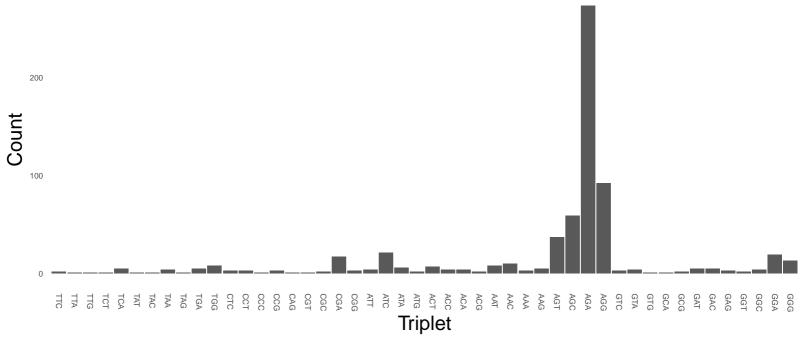


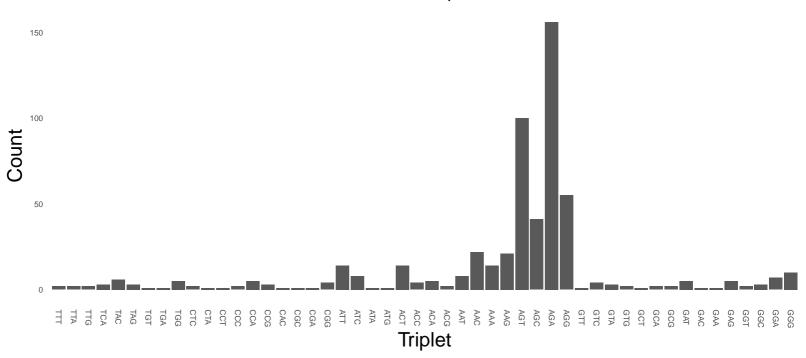
IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

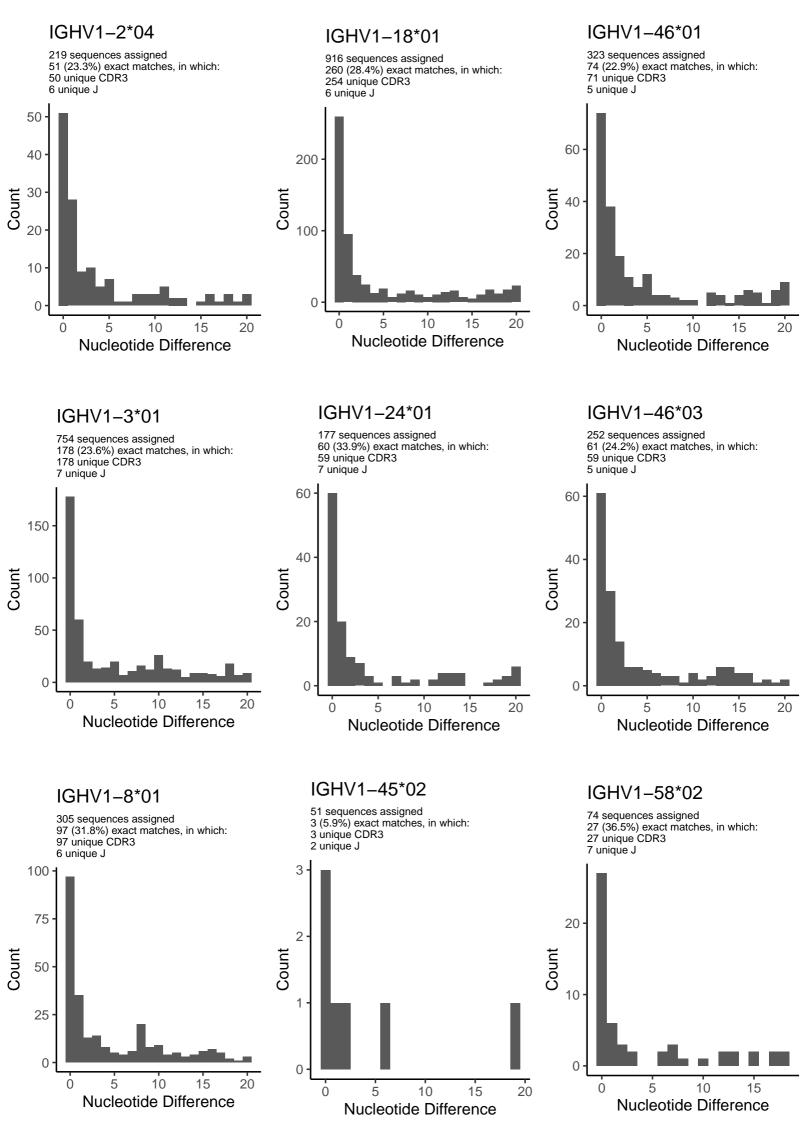


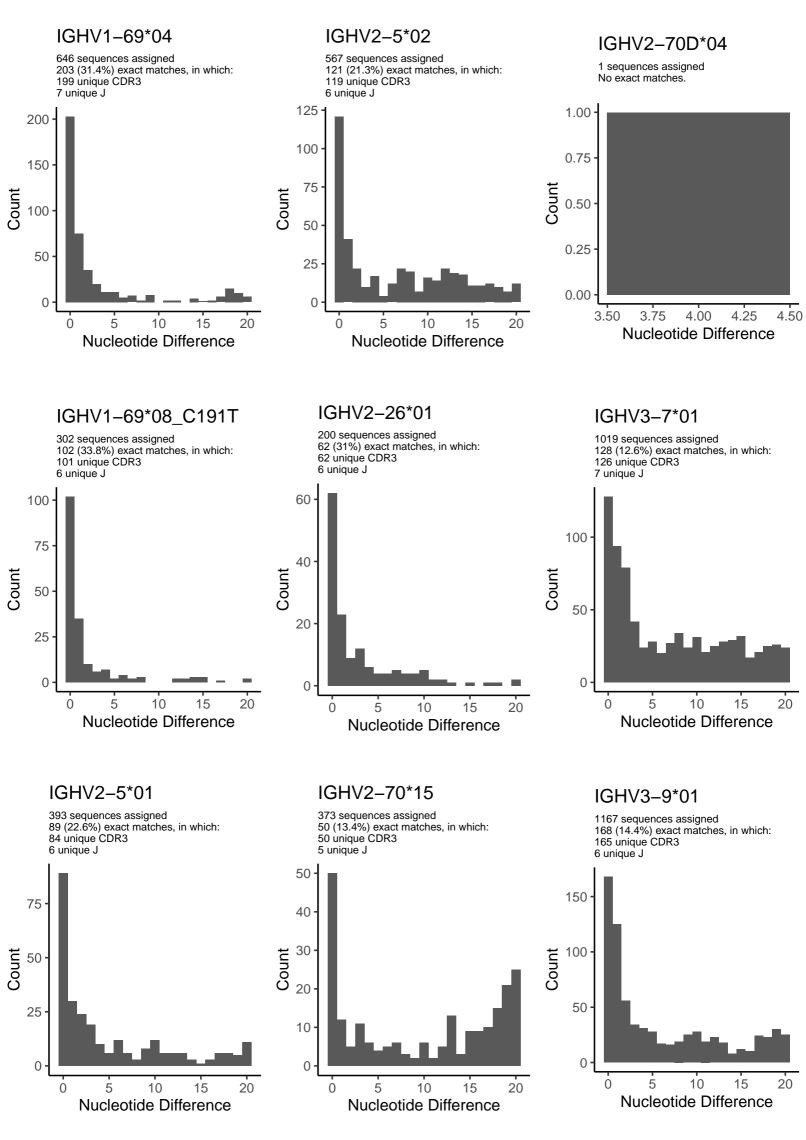
IGHV4-61*02_A291G- Final 3 nucleotides as a triplet

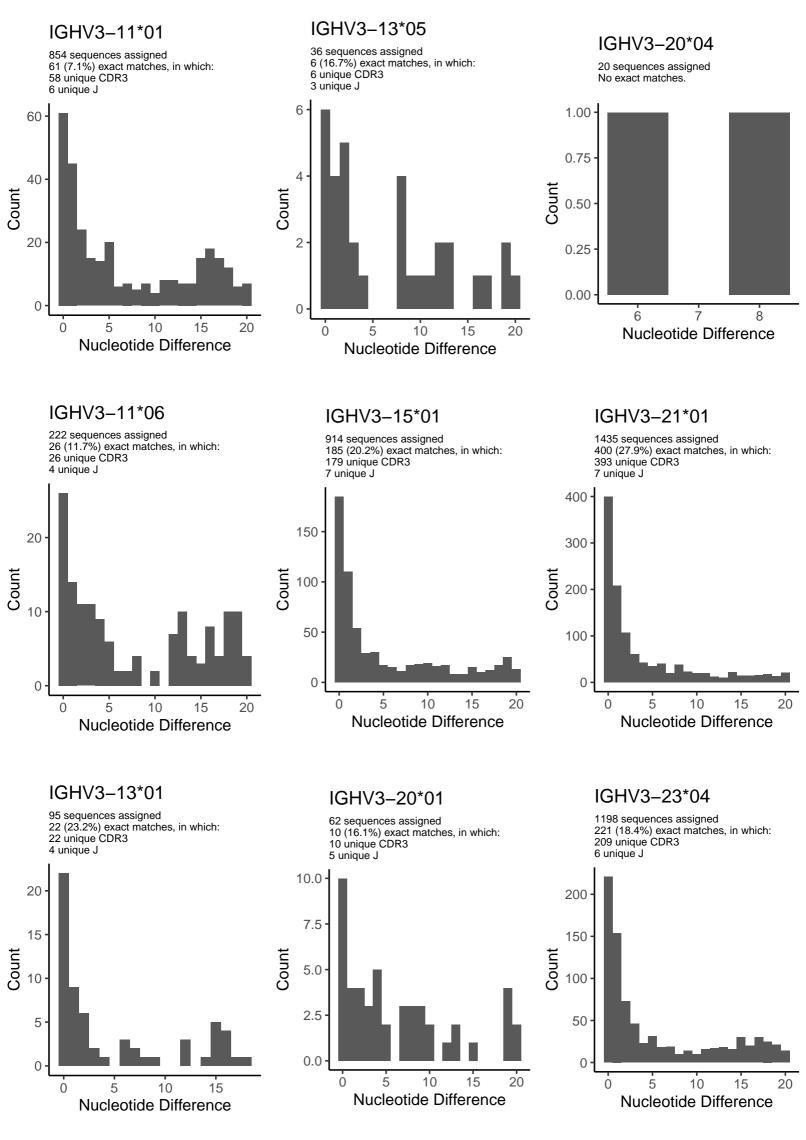


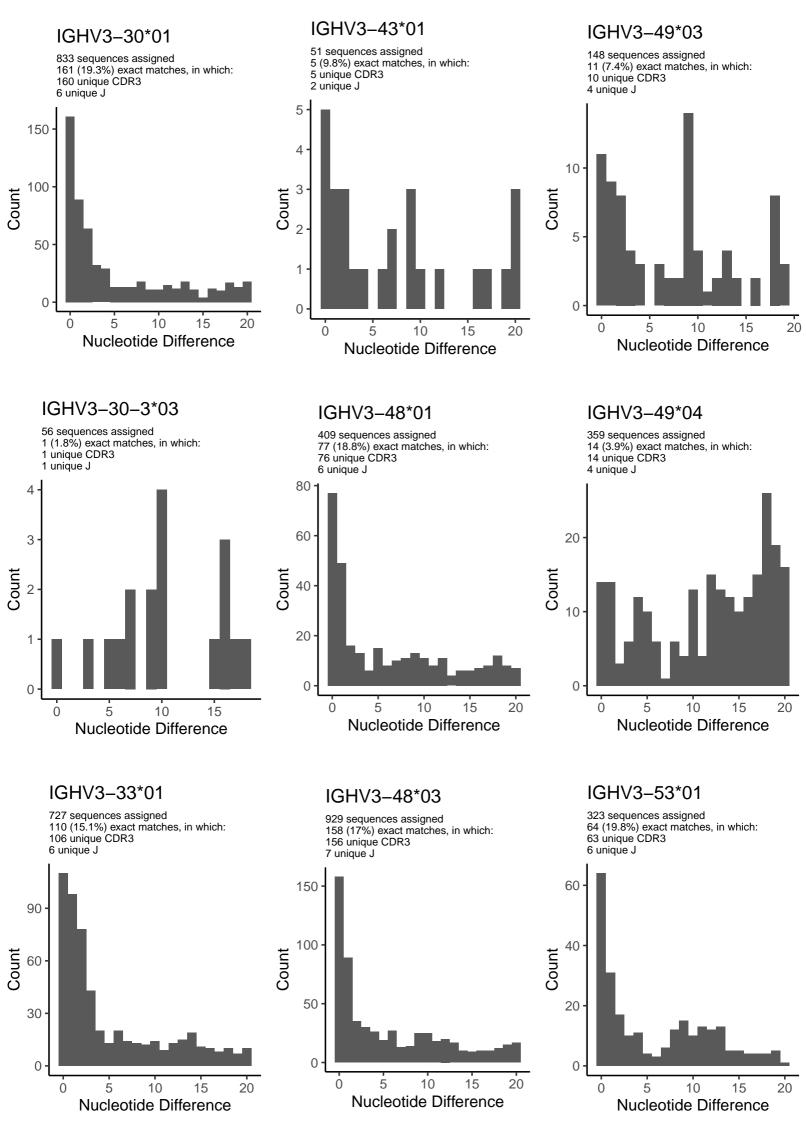
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

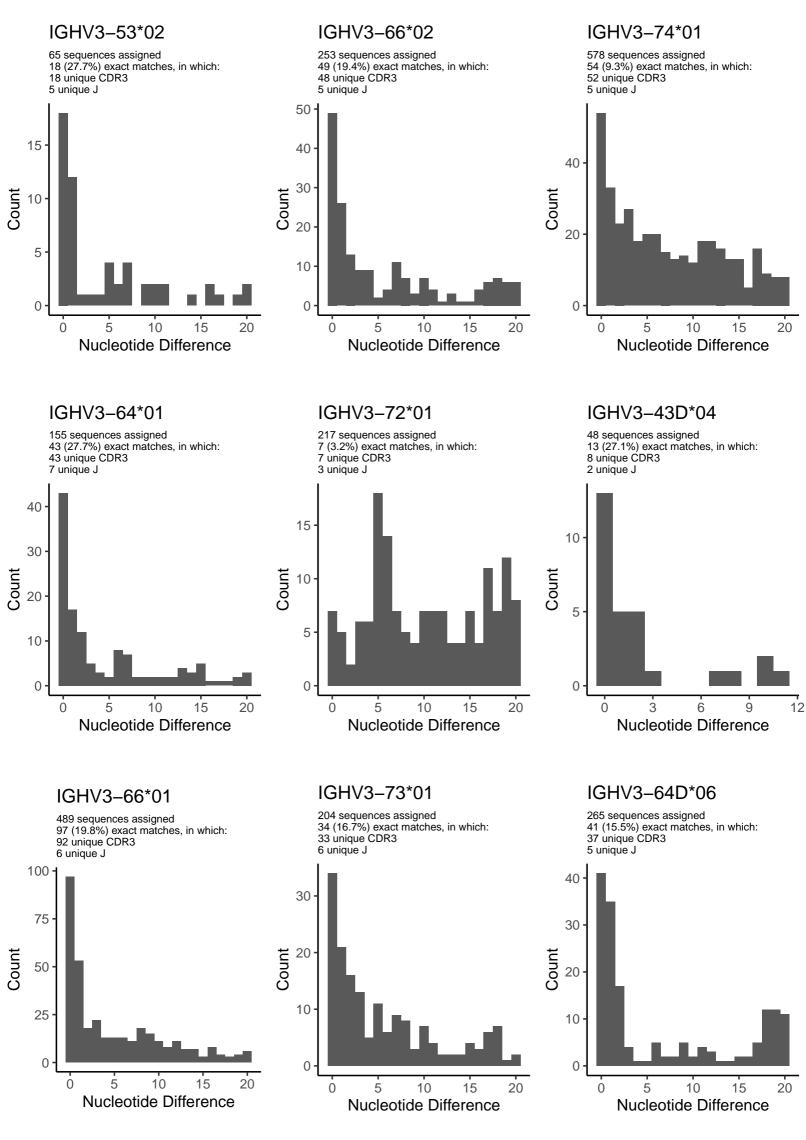


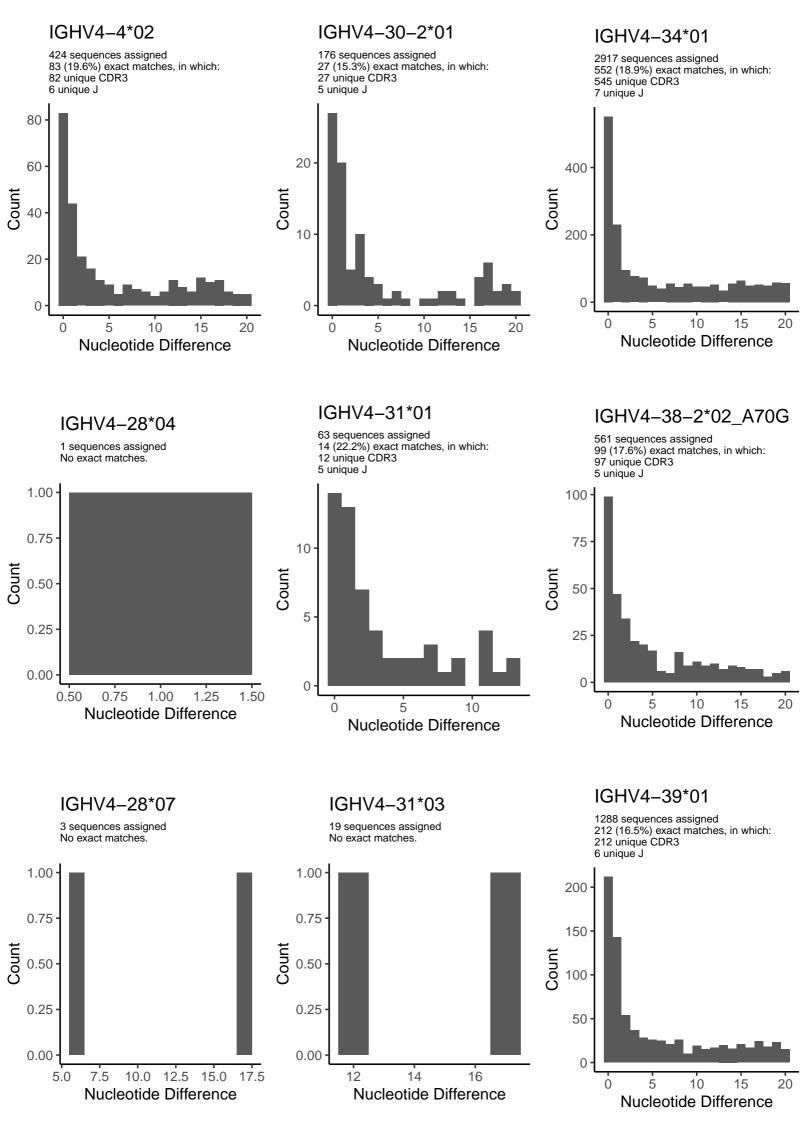


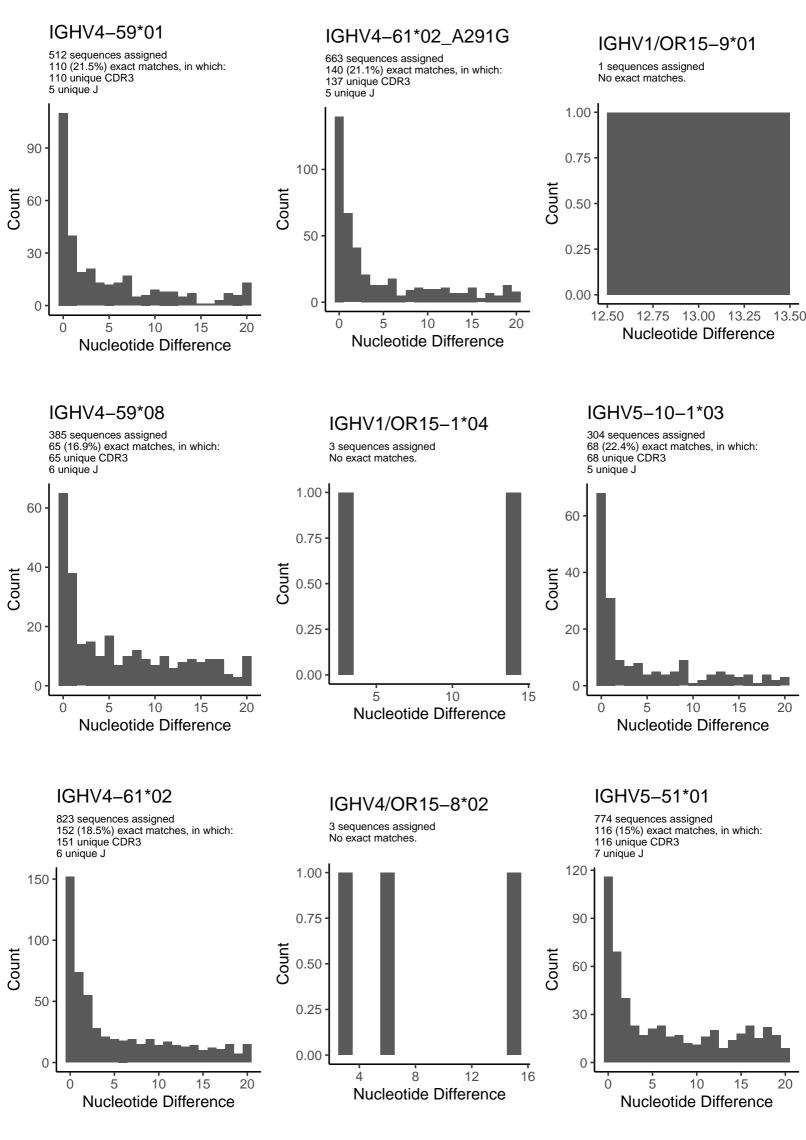






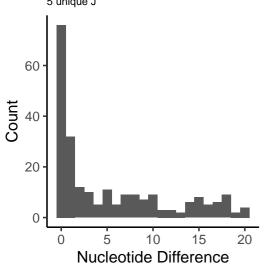






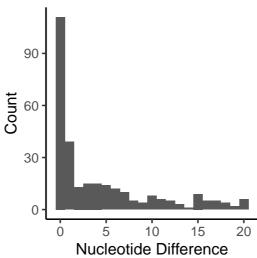
IGHV5-51*03

350 sequences assigned 76 (21.7%) exact matches, in which: 73 unique CDR3 5 unique J



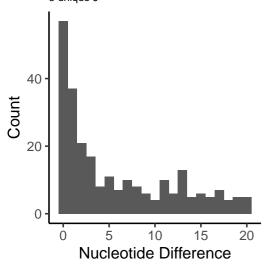
IGHV7-4-1*02

379 sequences assigned 111 (29.3%) exact matches, in which: 108 unique CDR3 6 unique J



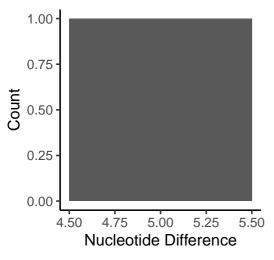
IGHV6-1*01

355 sequences assigned 57 (16.1%) exact matches, in which: 50 unique CDR3 5 unique J

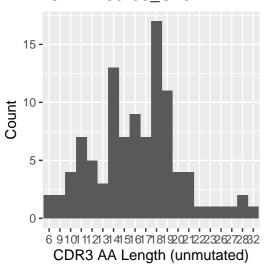


IGHV3/OR16-15*02

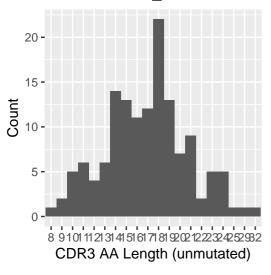
1 sequences assigned No exact matches.



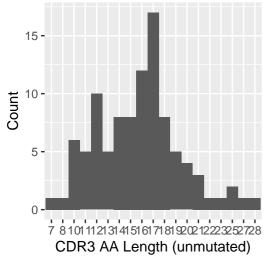
IGHV1-69*08_C191T

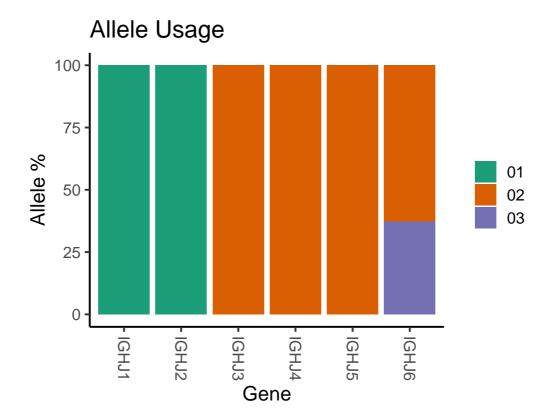


IGHV4-61*02_A291G

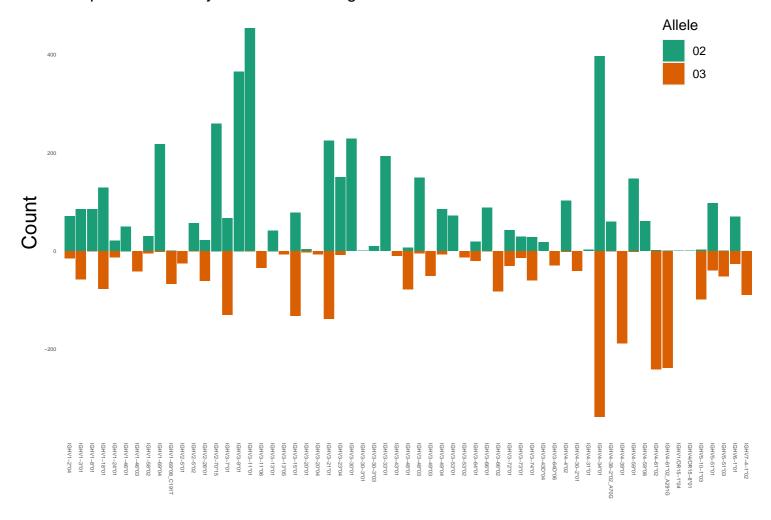


IGHV4-38-2*02_A70G





Sequence Count by IGHJ6 allele usage



Warning - no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning – no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning – no inferred sequences found.