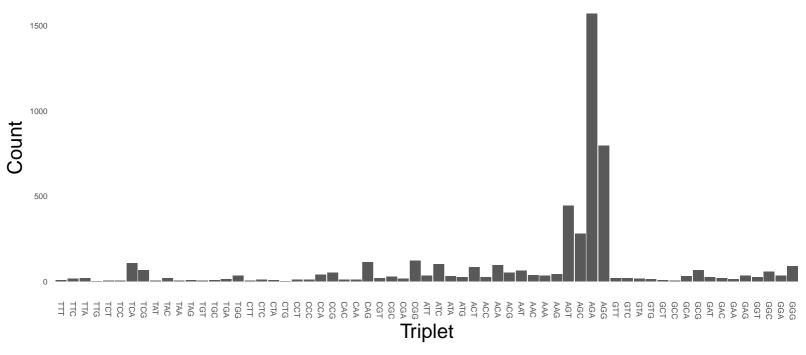
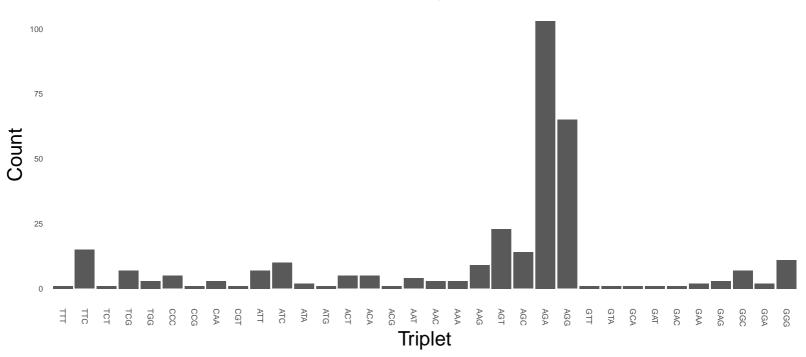
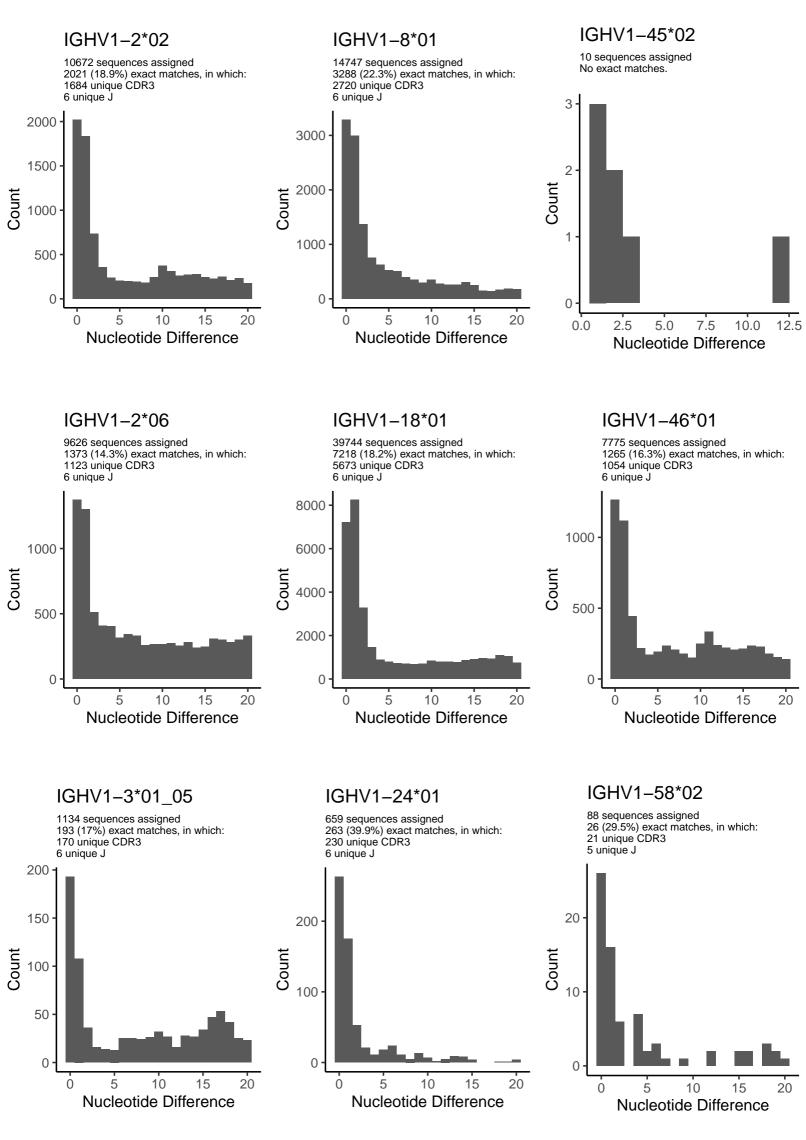


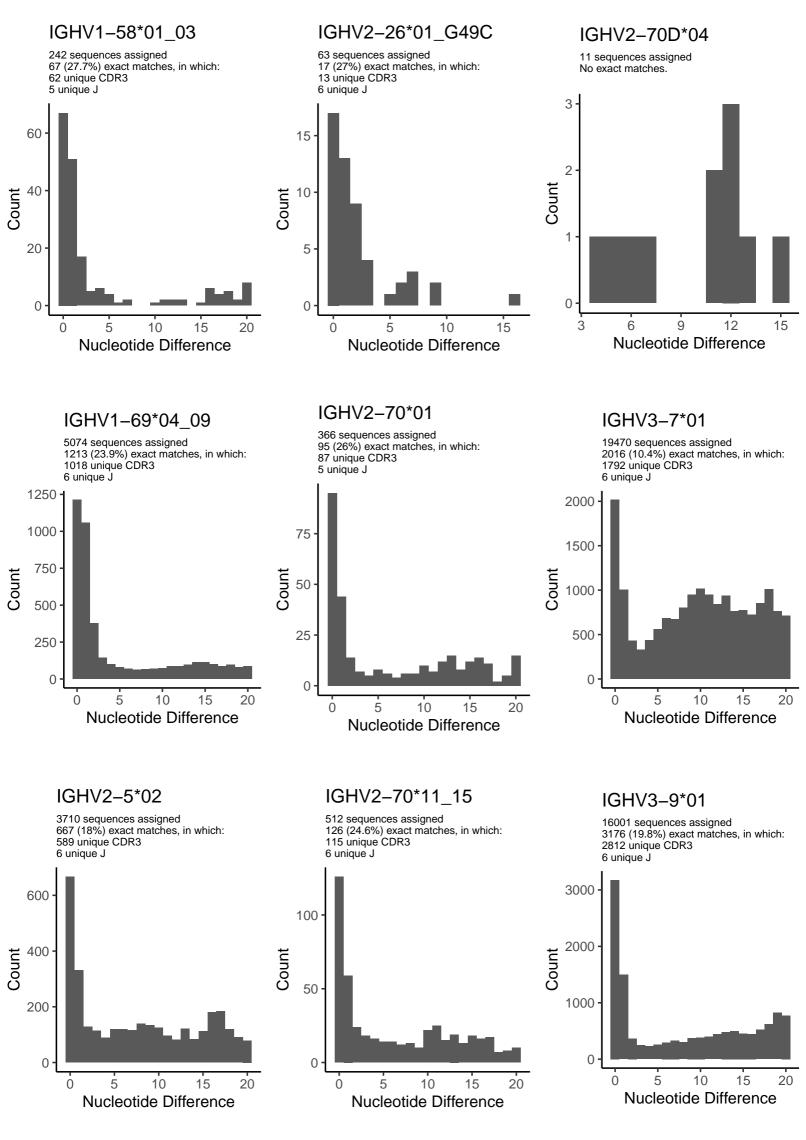
IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet

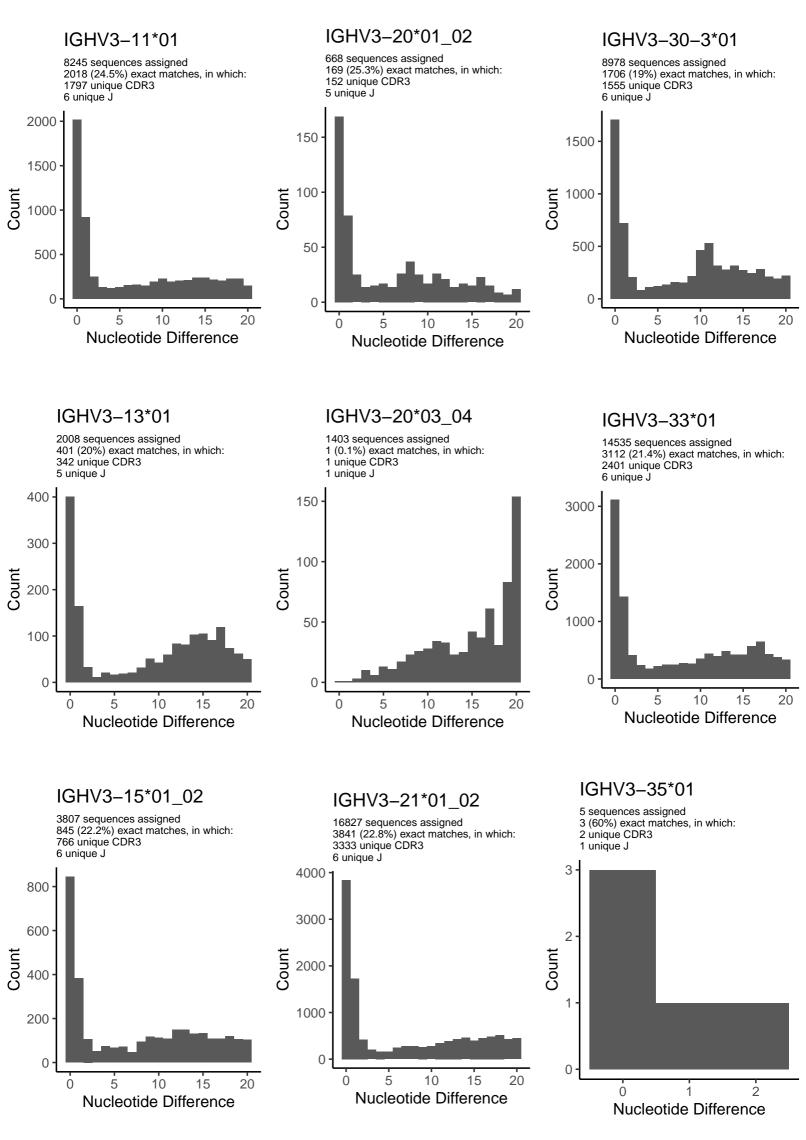


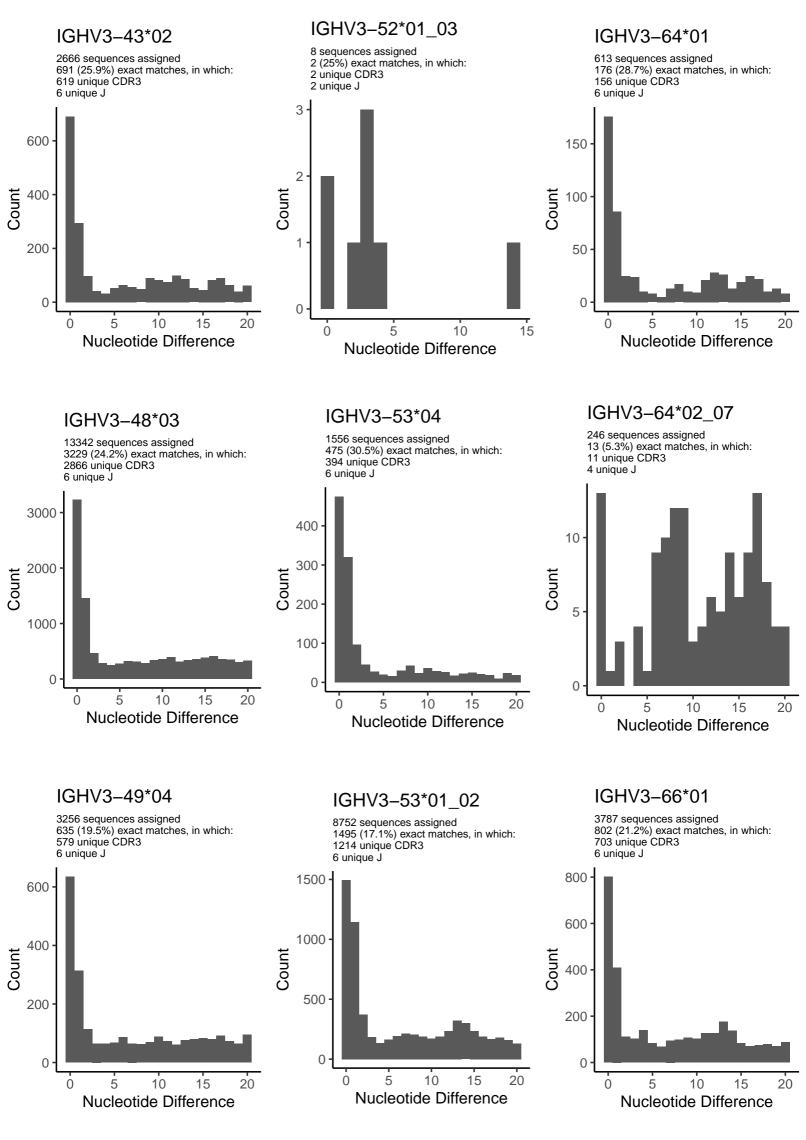
IGHV7-4-1*02_A18G- Final 3 nucleotides as a triplet

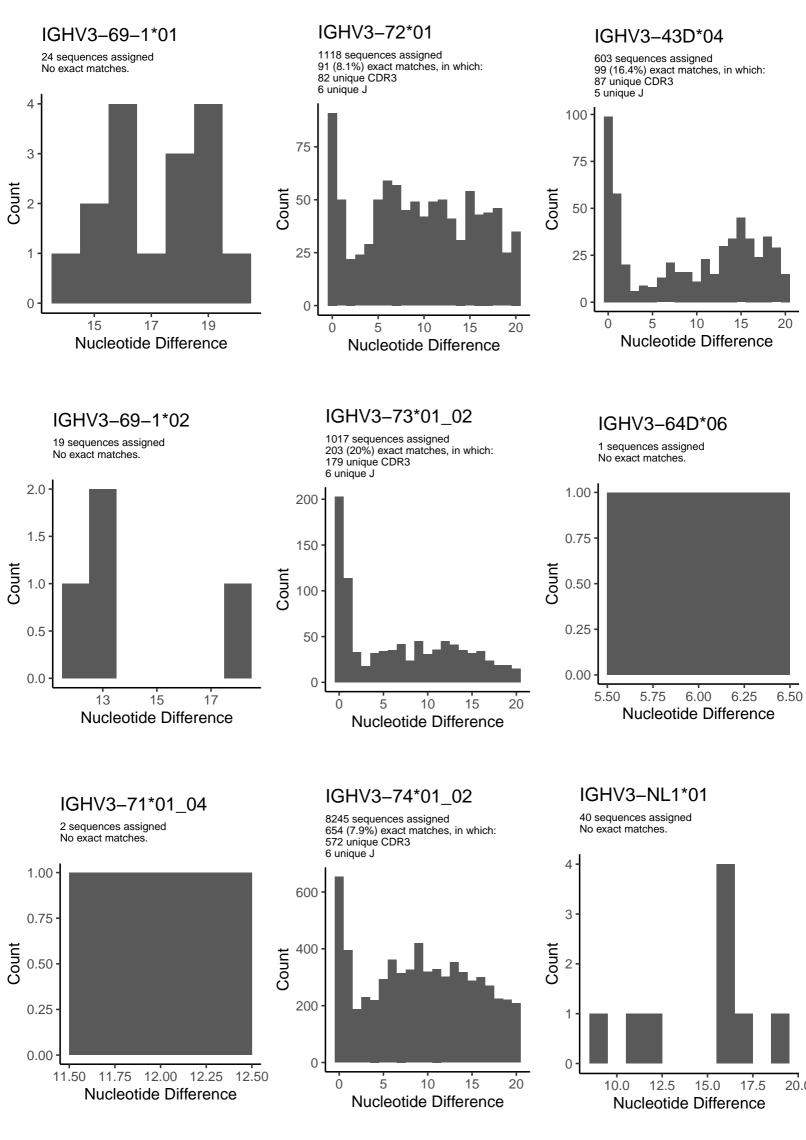


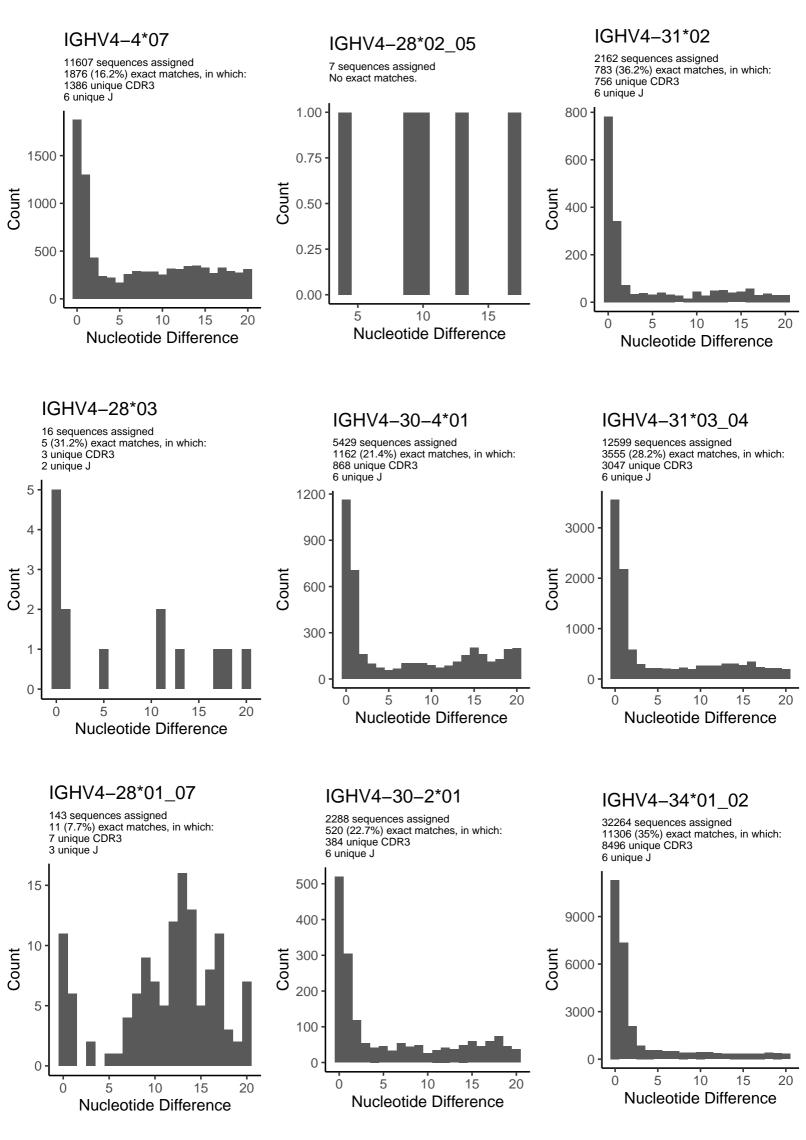


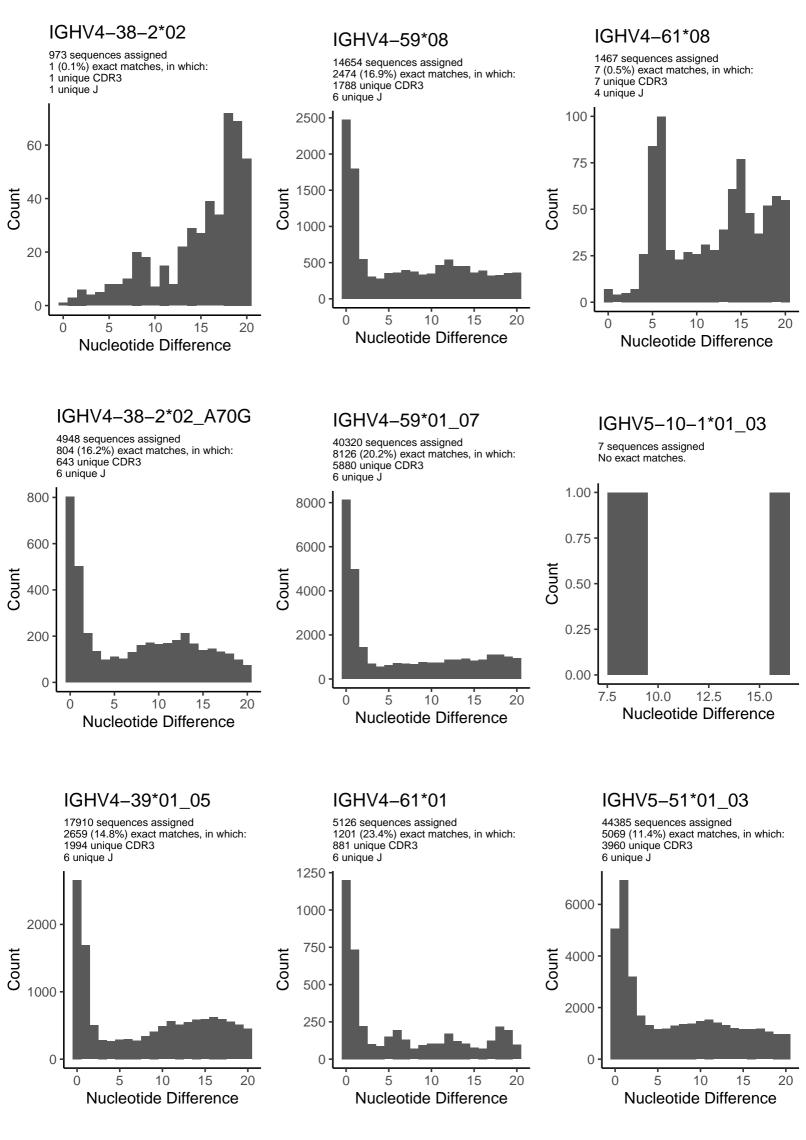






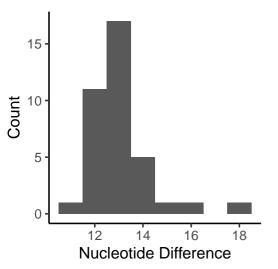






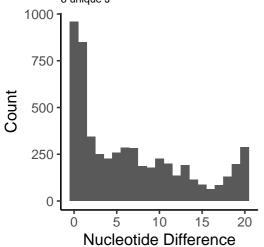
IGHV5-78*01

37 sequences assigned No exact matches.



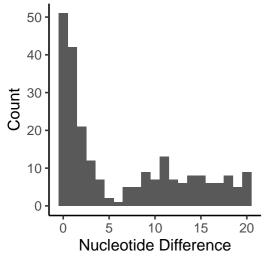
IGHV6-1*01_02

6425 sequences assigned 958 (14.9%) exact matches, in which: 753 unique CDR3 6 unique J



IGHV7-4-1*02_A18G

322 sequences assigned 51 (15.8%) exact matches, in which: 46 unique CDR3 6 unique J





Warning – no inferred sequences found.

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

Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning: IGHV4-31*02, IGHV4-31*03_04 have identical germline sequences.