

IGHV3-13*04_G290A- Final 3 nucleotides as a triplet 100 Count 25 CCC CCA CAC CAG CGT AGT AGC GCC TAG TAA TGG CGG AT ATC ATA ATG AAG
AAAA
AAAC
AAAT
ACG
ACA
ACCT AGA AGG GAT GAC GAA GGT **Triplet** IGHV3-74*01_T279C- Final 3 nucleotides as a triplet 250 200 Count 50 6666
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6 **Triplet** IGHV1-3*02_T296C_T300C- Final 3 nucleotides as a triplet Count Count 10

ACA ACC ACT

Triplet

TAA
TCA
TCC
TCT

CAT CTA TGG CGG

ATC

ATT

ATG

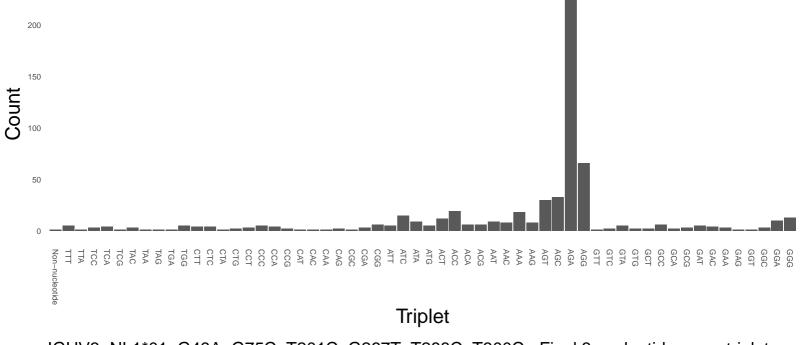
ATA

AGT

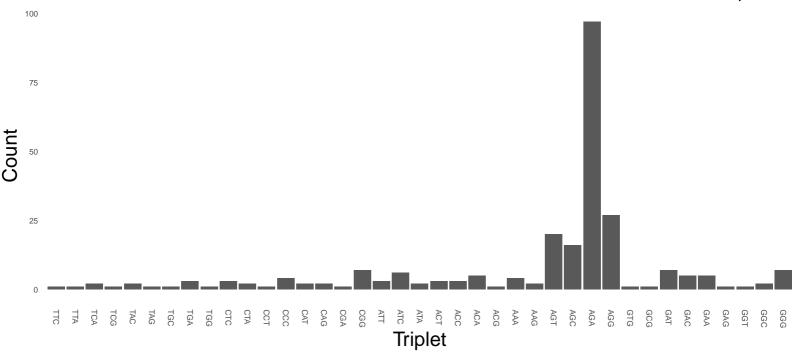
AGG AGC

AAG AAC AAT GTA GTC GAG GAC GCA

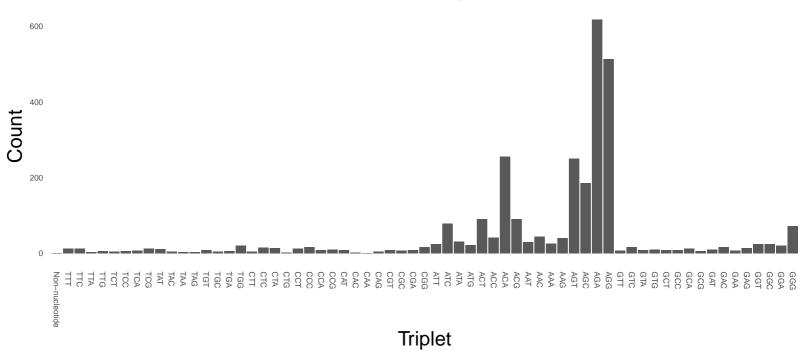
IGHV3-53*01_T267G_G303A- Final 3 nucleotides as a triplet



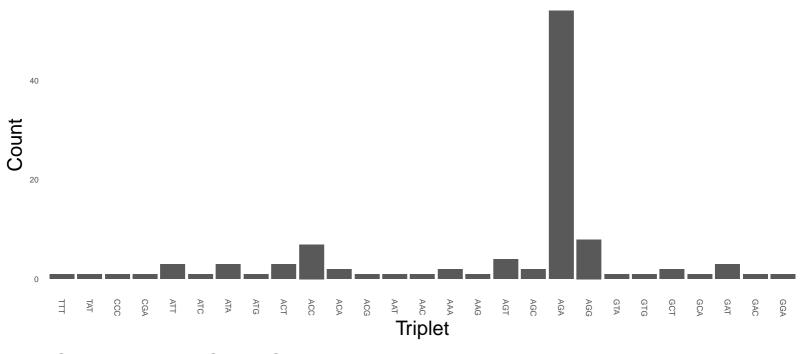
IGHV3-NL1*01_G49A_G75C_T201C_G267T_T288C_T300C- Final 3 nucleotides as a triplet



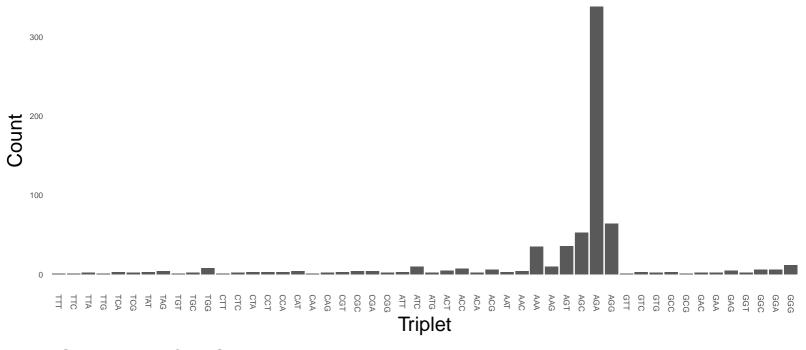
IGHV4-30-2*01_C315G- Final 3 nucleotides as a triplet



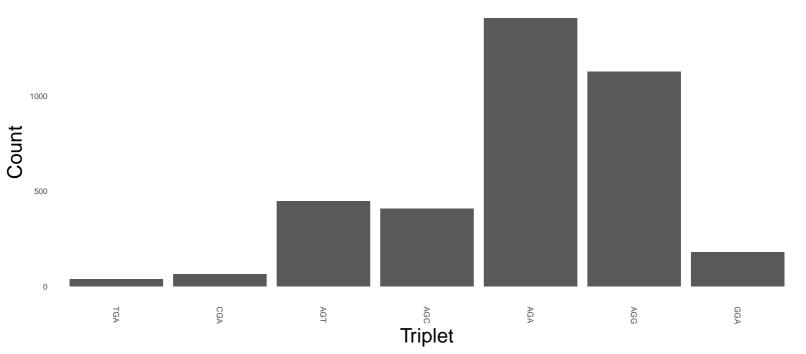
IGHV4-30-4*01_C315G- Final 3 nucleotides as a triplet 400 **Triplet** IGHV3-48*03_T303G- Final 3 nucleotides as a triplet 1200 **Triplet** IGHV3-64*04_A210C_T288C- Final 3 nucleotides as a triplet 150 | GGG **Triplet**



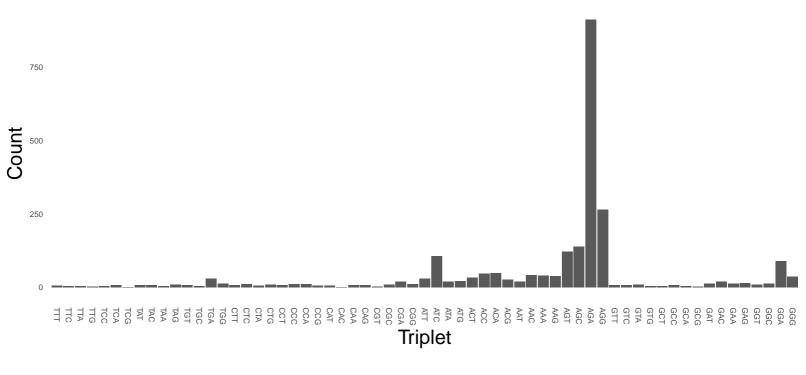
IGHV3-66*03_T175G_T267G- Final 3 nucleotides as a triplet

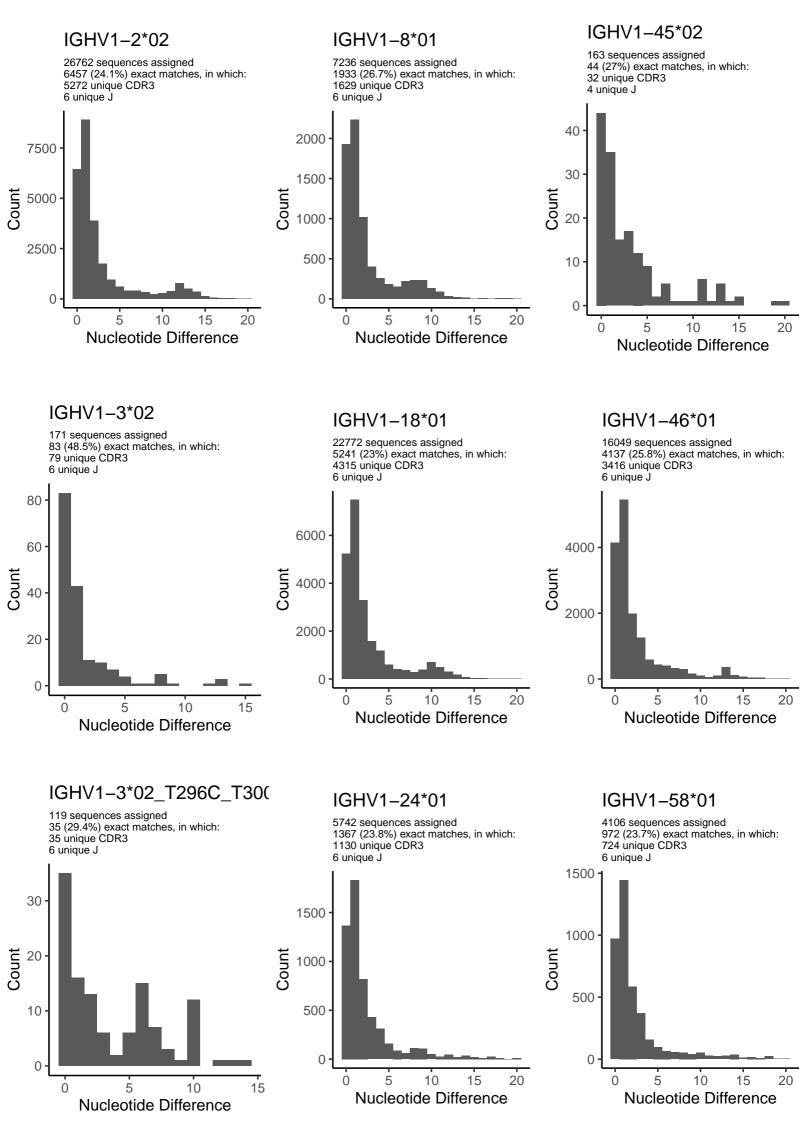


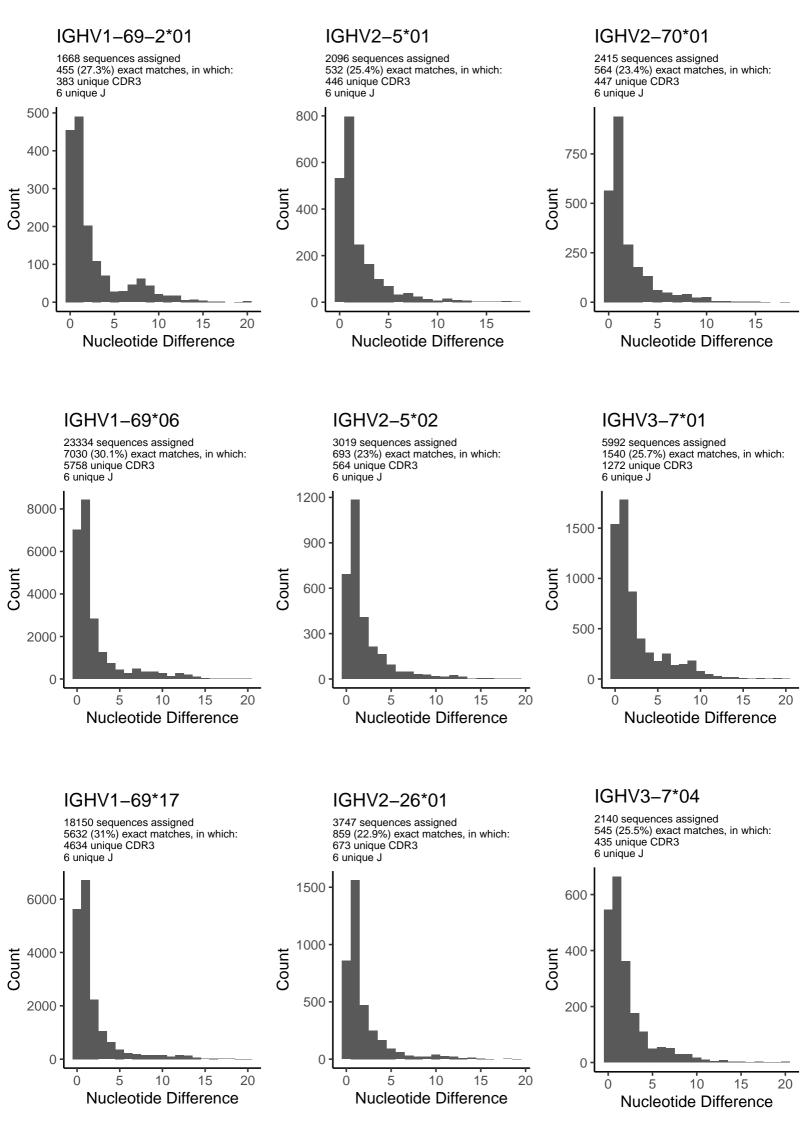
IGHV4-39*02_C258G- Final 3 nucleotides as a triplet

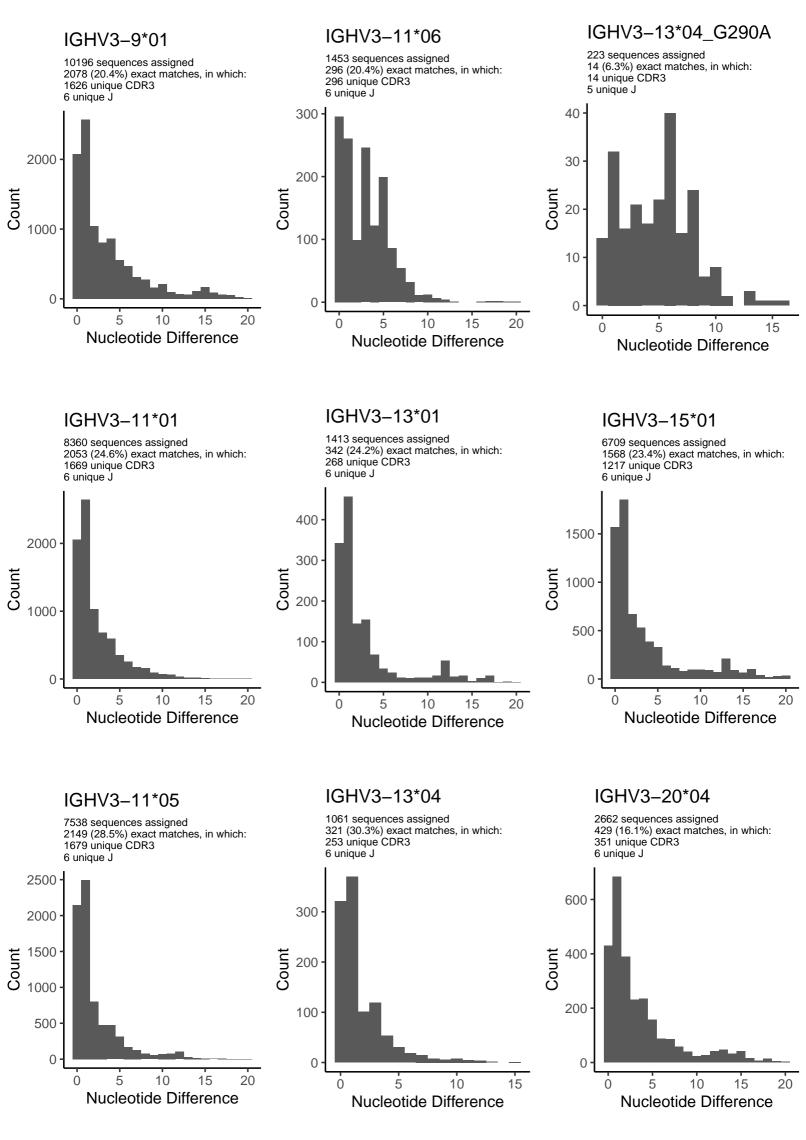


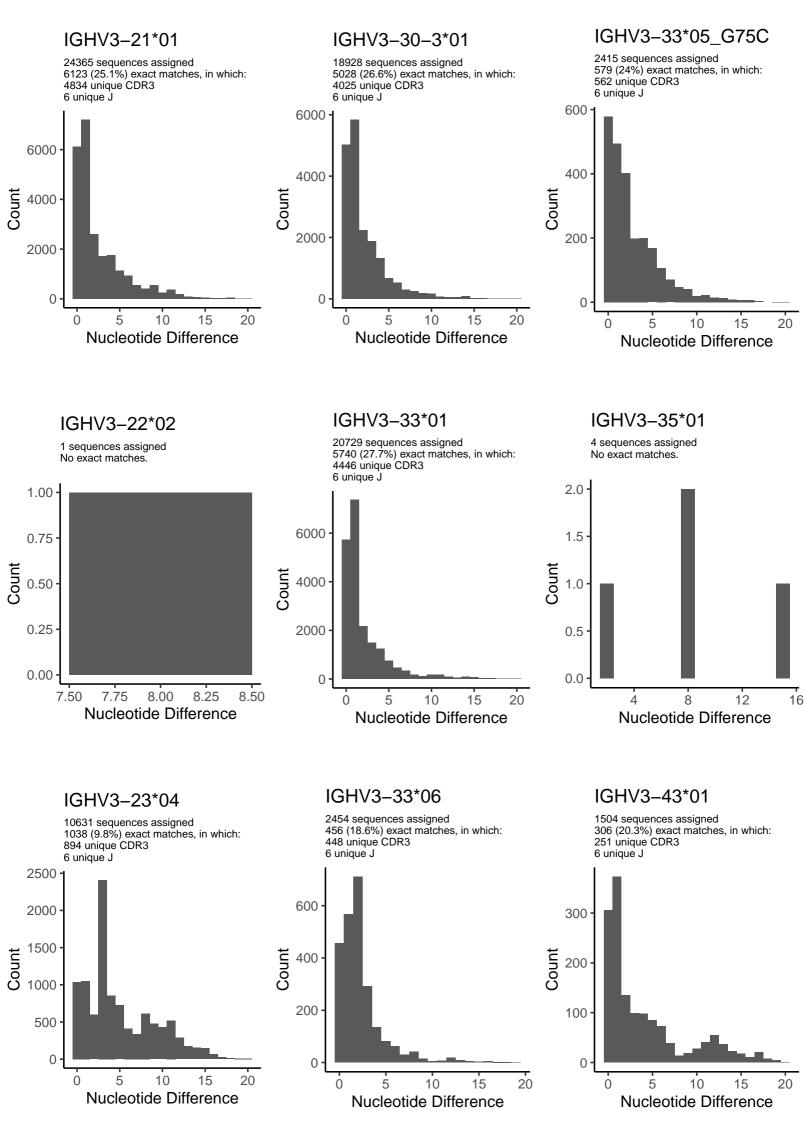
IGHV3-33*05_G75C- Final 3 nucleotides as a triplet

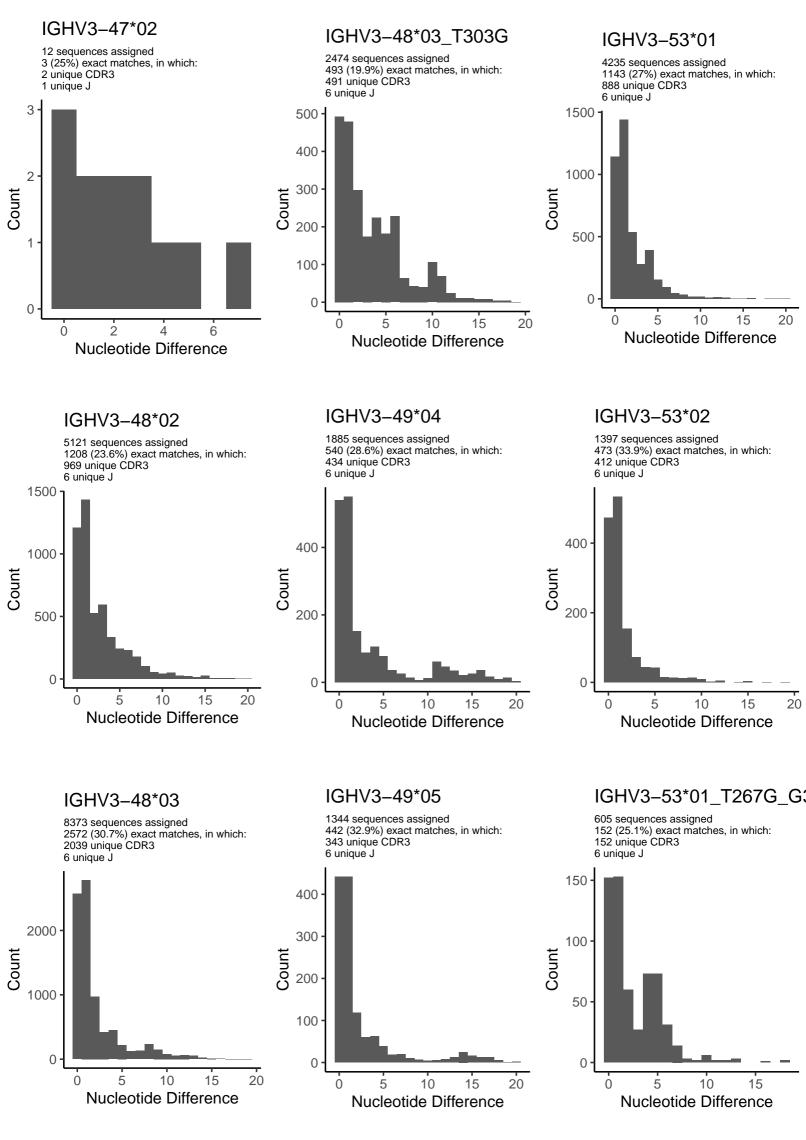


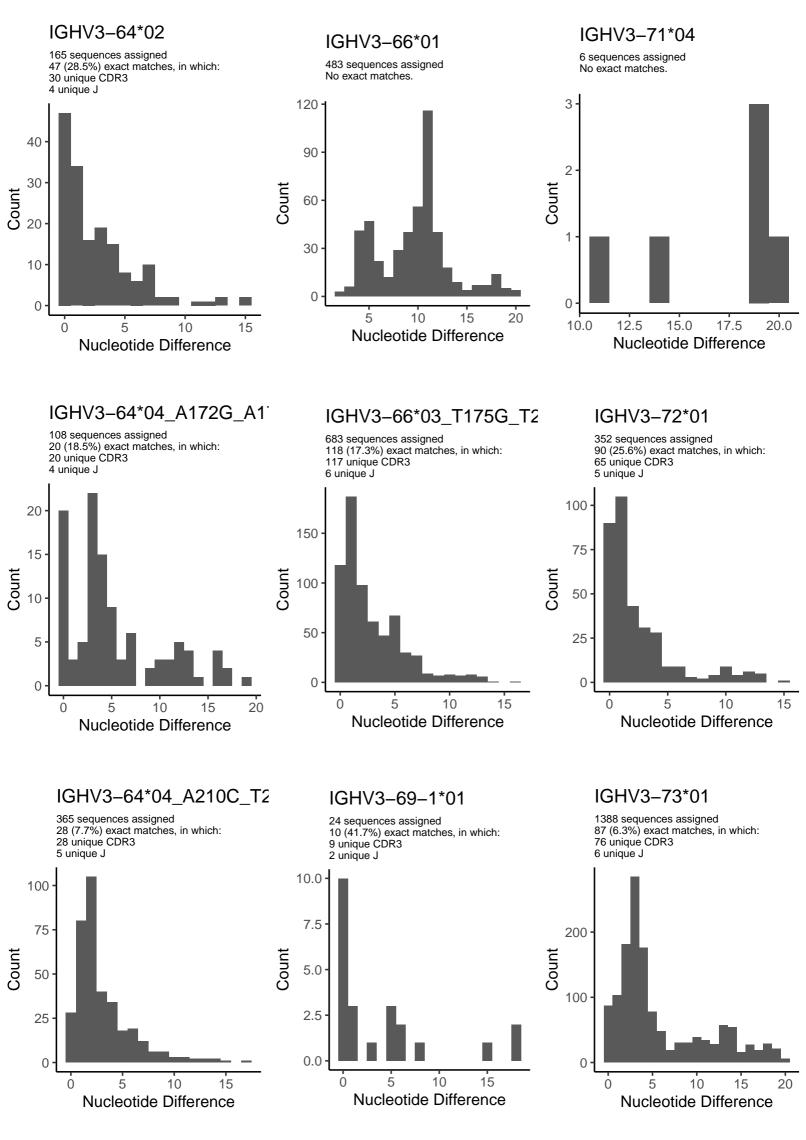


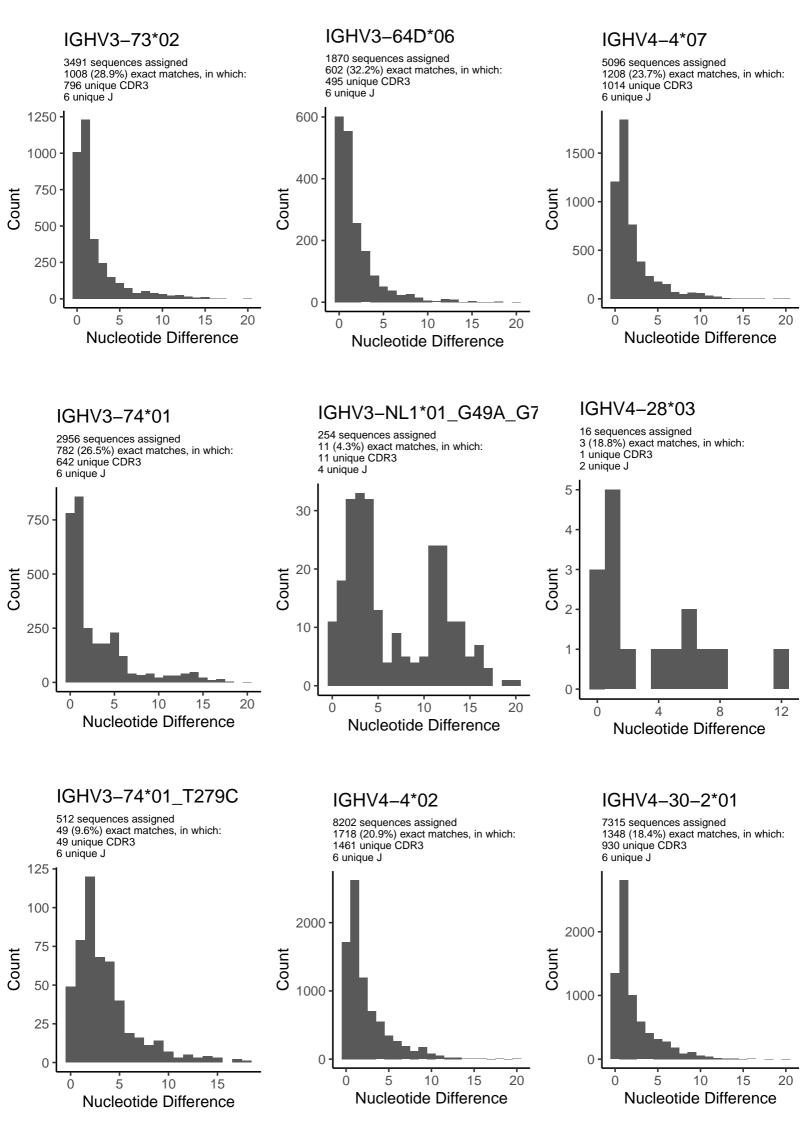


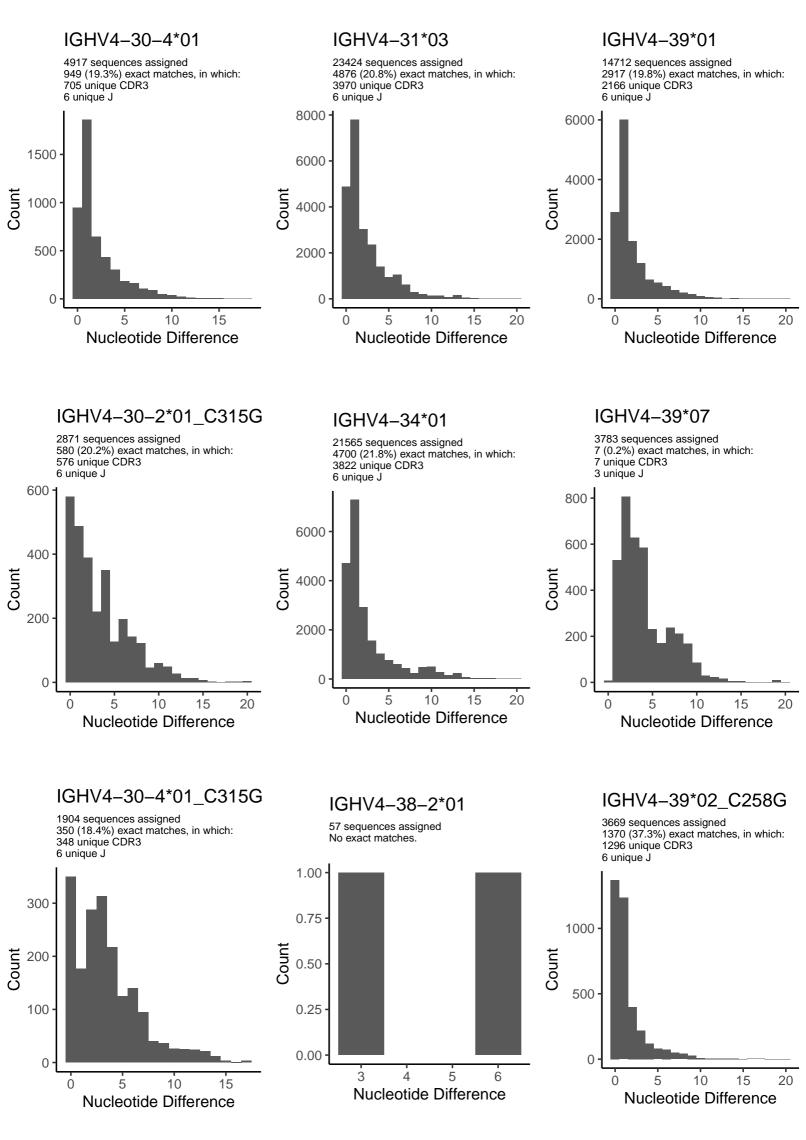


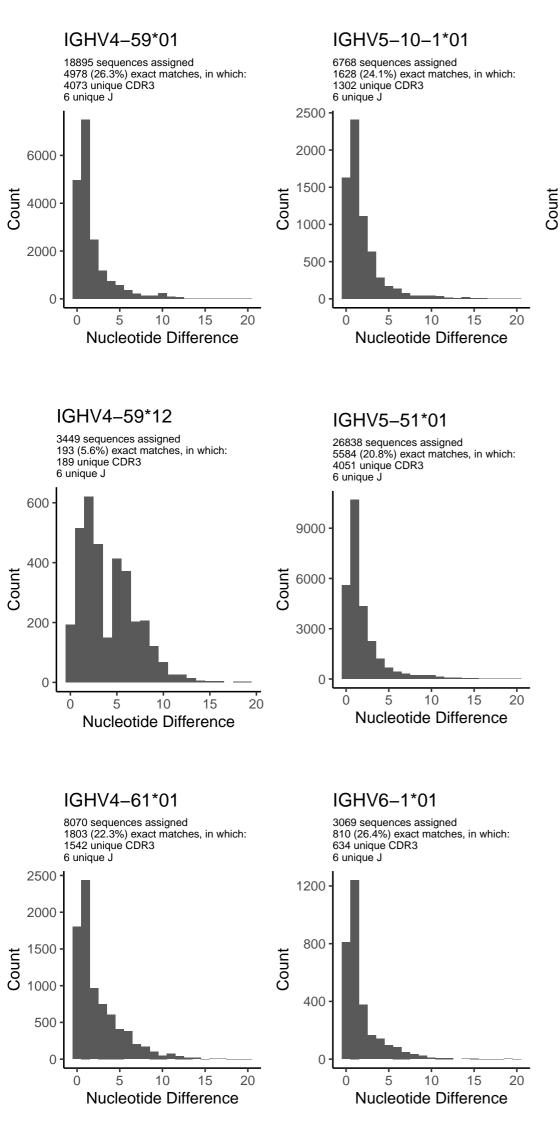












IGHV7-4-1*01

22 (33.8%) exact matches, in which:

Nucleotide Difference

65 sequences assigned

21 unique CDR3

4 unique J

20

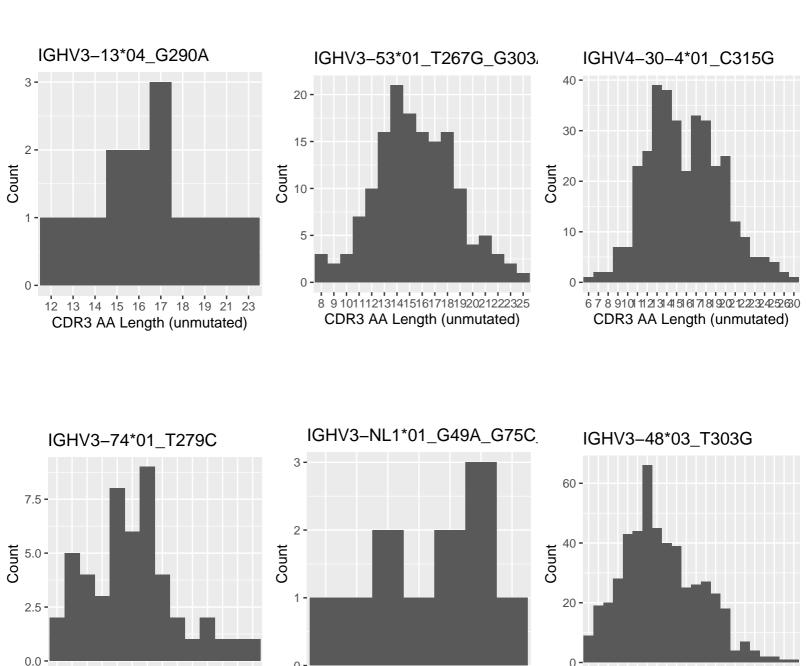
15

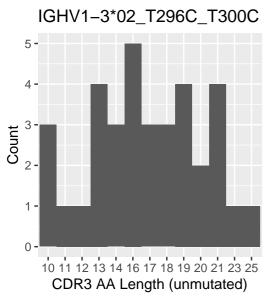
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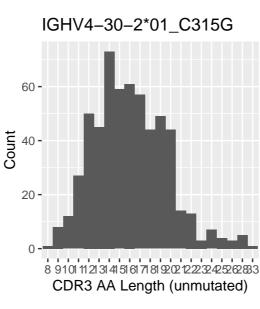
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10 12 13 14 15 16 17 18 19 20 21 22 24 25

CDR3 AA Length (unmutated)



16

CDR3 AA Length (unmutated)

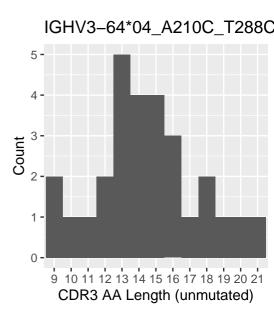
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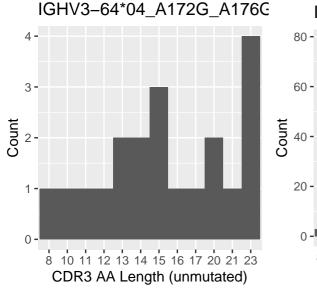
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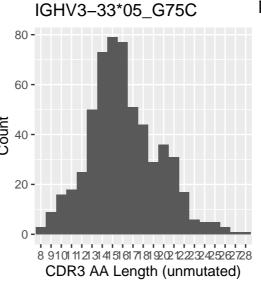
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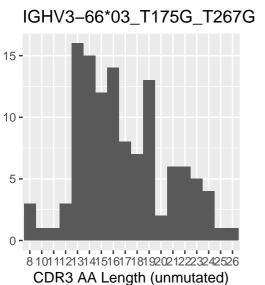


8 910 11 21 31 41 51 61 71 81 22 02 12 22 32 42 52 62 72 83 4

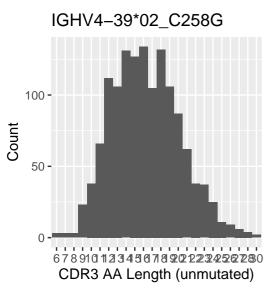
CDR3 AA Length (unmutated)







Count





Varning – no interred sequences tound.
Varning – no inferred sequences found.
Varning – no inferred sequences found. Varning – no inferred sequences found.
Varning – no inferred sequences found.
Varning – no inferred sequences found.
Varning – no inferred sequences found.
Varning – no inferred sequences found. Varning: sequence(s) for allele(s) IGHV3-72*01_A169G_A173G_A177G_T187G_A188T_C287G can't be found in the reference set or the novel alleles file.
Varning – no inferred sequences found.
Varning – no inferred sequences found. Varning – no inferred sequences found.
Varning – no inferred sequences found.