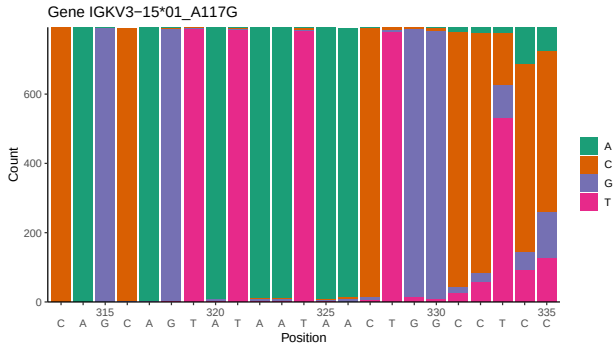
OGRDBstats Report

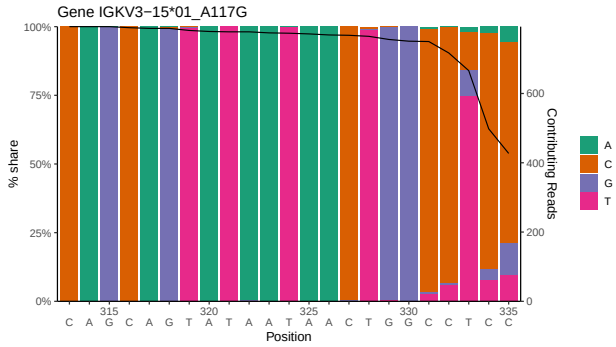
Contents

1 Novel sequence analysis

1.1 End-nucleotide composition

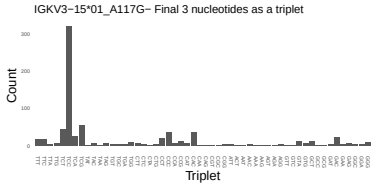


1.2 Per-nucleotide consensus where previous nucleotides match the consensus

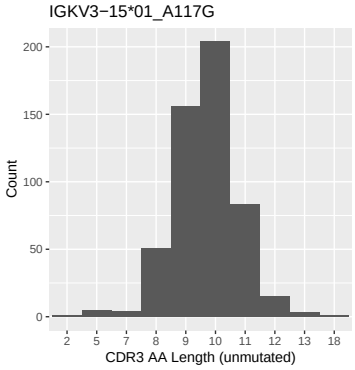


1.3 Whole-sequence composition of each assigned read

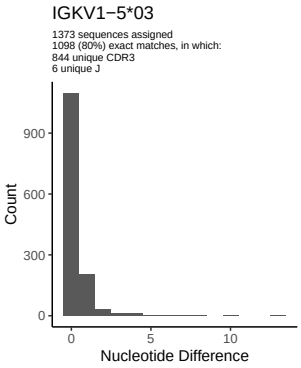
1.4 Final three nucleotides: frequency of each observed triplet

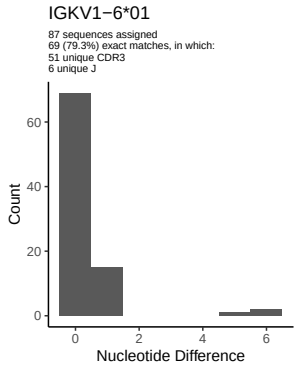


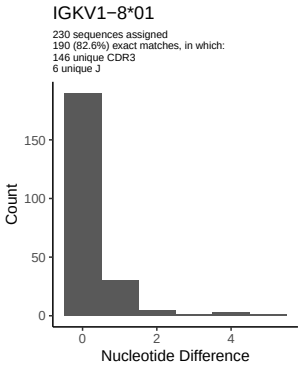
1.5 CDR3 length distribution, in assignments to novel alleles

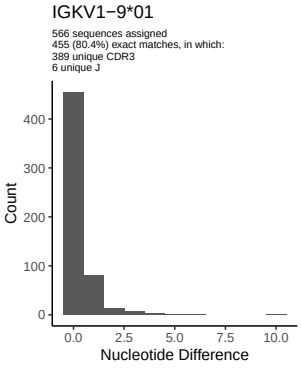


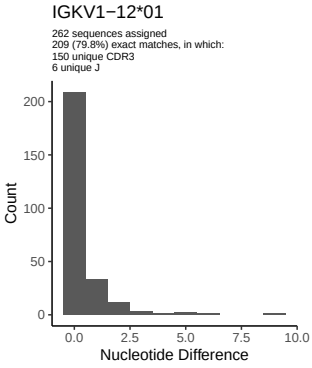
2 Variation from germline, in assignments to each allele

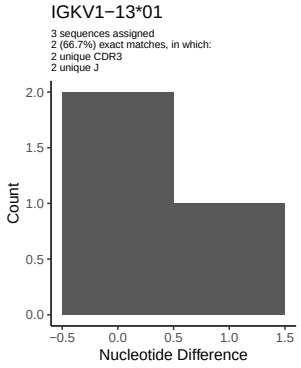


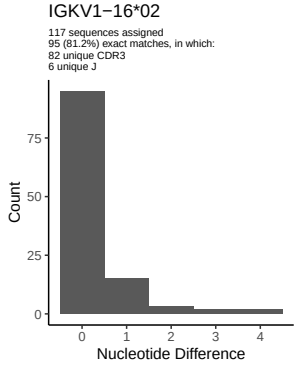


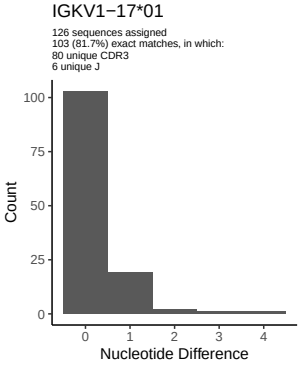


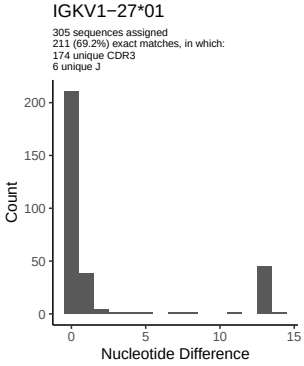


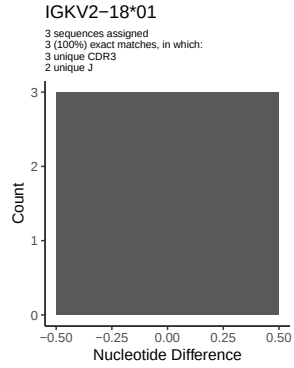


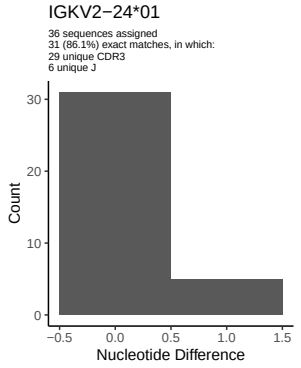


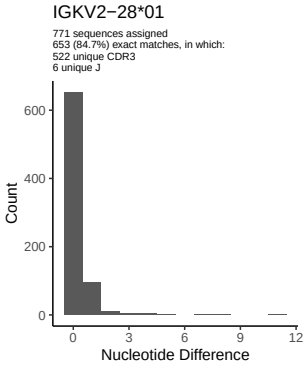


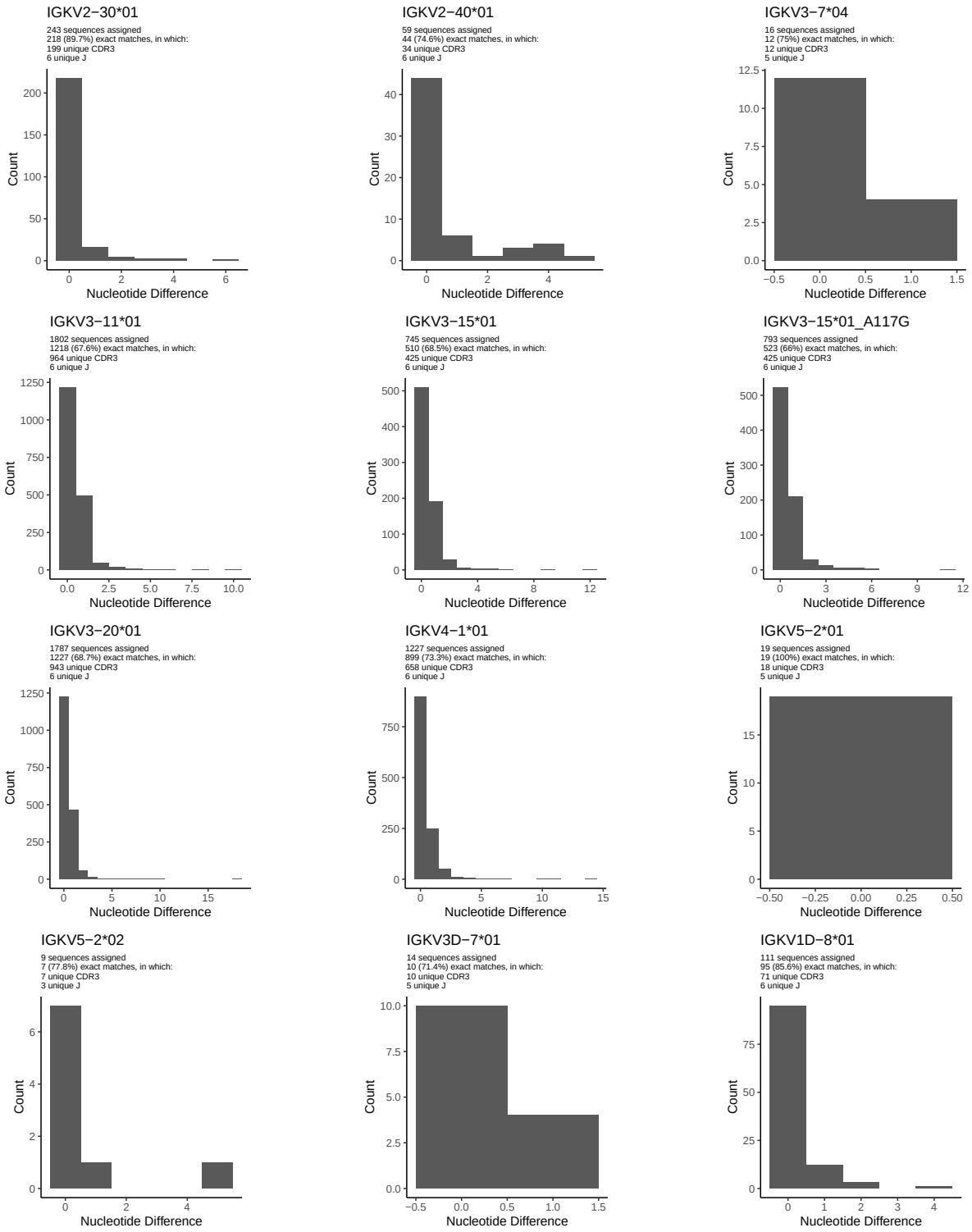


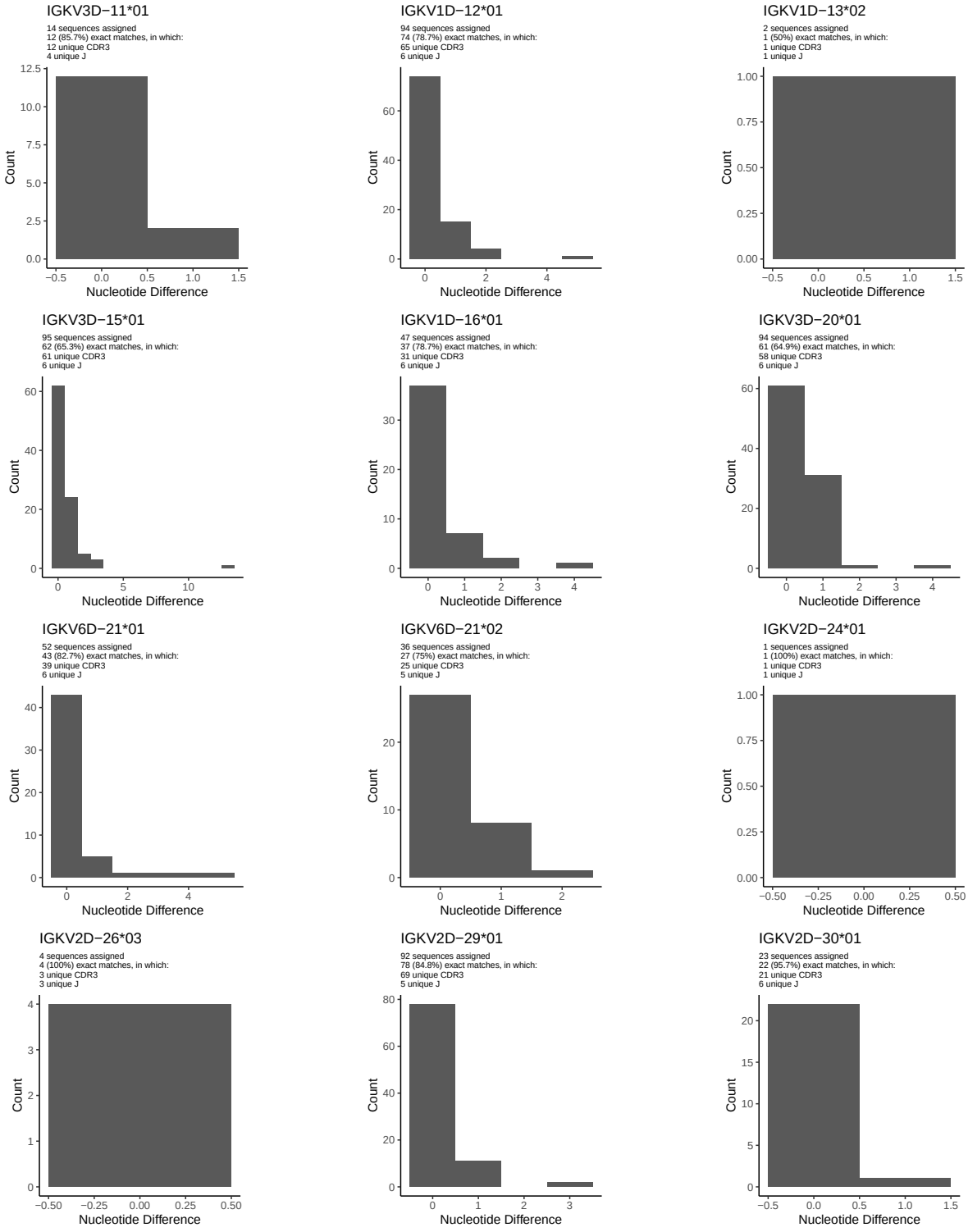


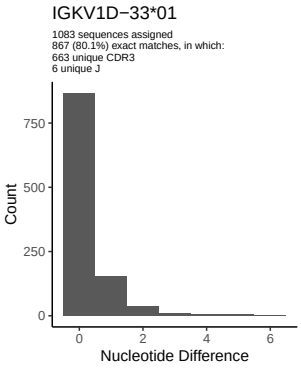


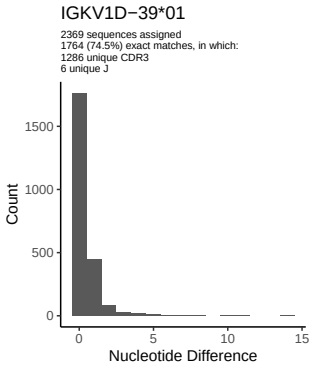


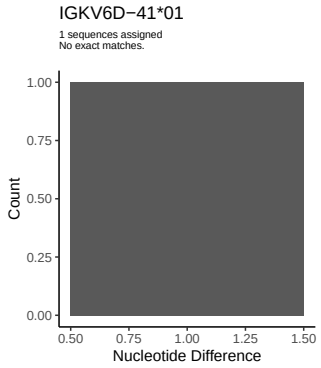


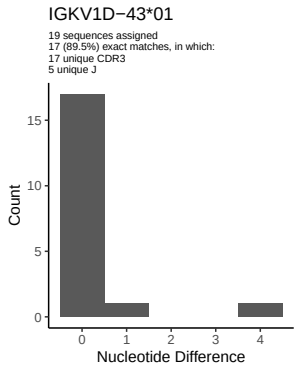

IGKV2−30*01
243 sequences assigned
218 (89.7%) exact matches, in which:
199 unique CDR3
6 unique J
IGKV2−40*01
59 sequences assigned
44 (74.6%) exact matches, in which:
34 unique CDR3
6 unique J
IGKV3−7*04
16 sequences assigned
12 (75%) exact matches, in which:
12 unique CDR3
5 unique J
IGKV3−11*01
1802 sequences assigned
1218 (67.6%) exact matches, in which:
964 unique CDR3
6 unique J
IGKV3−15*01
745 sequences assigned
510 (68.5%) exact matches, in which:
425 unique CDR3
6 unique J
IGKV3−15*01_A117G
793 sequences assigned
523 (66%) exact matches, in which:
425 unique CDR3
6 unique J
IGKV3−20*01
1787 sequences assigned
1227 (68.7%) exact matches, in which:
943 unique CDR3
6 unique J
IGKV4−1*01
1227 sequences assigned
899 (73.3%) exact matches, in which:
658 unique CDR3
6 unique J
IGKV5−2*01
19 sequences assigned
19 (100%) exact matches, in which:
18 unique CDR3
5 unique J
IGKV5−2*02
9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
3 unique J
IGKV3D−7*01
14 sequences assigned
10 (71.4%) exact matches, in which:
10 unique CDR3
5 unique J
IGKV1D−8*01
111 sequences assigned
95 (85.6%) exact matches, in which:
71 unique CDR3
6 unique J
Count
Nucleotide Difference


IGKV3D−11*01
14 sequences assigned
12 (85.7%) exact matches, in which:
12 unique CDR3
4 unique J
IGKV1D−12*01
94 sequences assigned
74 (78.7%) exact matches, in which:
65 unique CDR3
6 unique J
IGKV1D−13*02
2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J
IGKV3D−15*01
95 sequences assigned
62 (65.3%) exact matches, in which:
61 unique CDR3
6 unique J
IGKV1D−16*01
47 sequences assigned
37 (78.7%) exact matches, in which:
31 unique CDR3
6 unique J
IGKV3D−20*01
94 sequences assigned
61 (64.9%) exact matches, in which:
58 unique CDR3
6 unique J
IGKV6D−21*01
52 sequences assigned
43 (82.7%) exact matches, in which:
39 unique CDR3
6 unique J
IGKV6D−21*02
36 sequences assigned
27 (75%) exact matches, in which:
25 unique CDR3
5 unique J
IGKV2D−24*01
1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J
IGKV2D−26*03
4 sequences assigned
4 (100%) exact matches, in which:
3 unique CDR3
3 unique J
IGKV2D−29*01
92 sequences assigned
78 (84.8%) exact matches, in which:
69 unique CDR3
5 unique J
IGKV2D−30*01
23 sequences assigned
22 (95.7%) exact matches, in which:
21 unique CDR3
6 unique J
Count
Nucleotide Difference

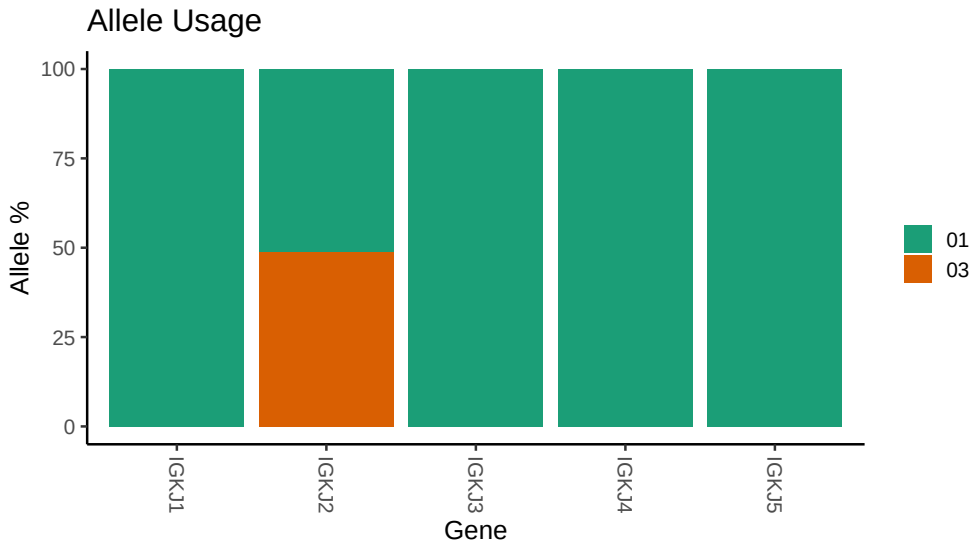

IGKV1D−33*01
1083 sequences assigned
867 (80.1%) exact matches, in which:
663 unique CDR3
6 unique J
Count
Nucleotide Difference


IGKV1D−39*01
2369 sequences assigned
1764 (74.5%) exact matches, in which:
1286 unique CDR3
6 unique J
Count
Nucleotide Difference

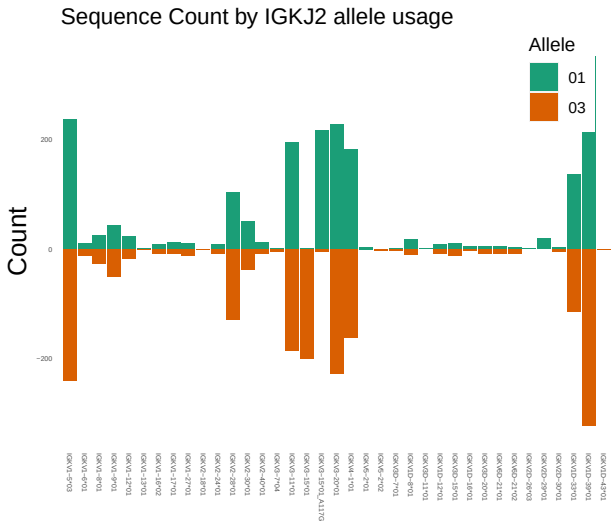

IGKV6D−41*01
1 sequences assigned
No exact matches.
Count
Nucleotide Difference


IGKV1D−43*01
19 sequences assigned
17 (89.5%) exact matches, in which:
17 unique CDR3
5 unique J
Count
Nucleotide Difference

3 Allele usage in potential haplotype anchor genes



4 Haplotype plots



5 Configuration settings

```
## Repertoire file: /misc/work/dolphinnext/PRJEB26509/run172/work/26/947665155ac5eadbd825906ec45882/24_
##
## Germline reference file: /misc/work/dolphinnext/PRJEB26509/run172/work/26/947665155ac5eadbd825906ec4
##
## Novel allele file: /misc/work/dolphinnext/PRJEB26509/run172/work/26/947665155ac5eadbd825906ec45882/n
##
## Species: Homosapiens
##
## Chain: IGKV
##
## Segment: V
```