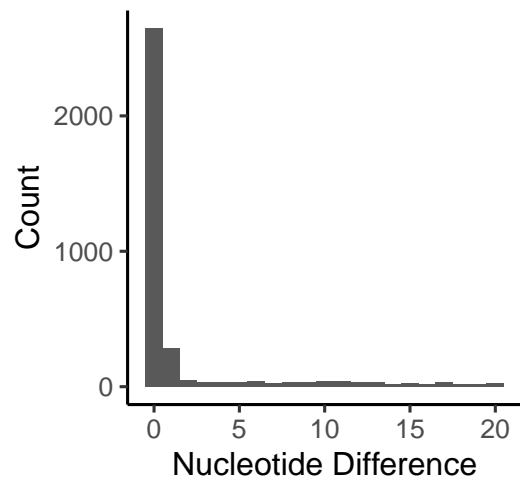


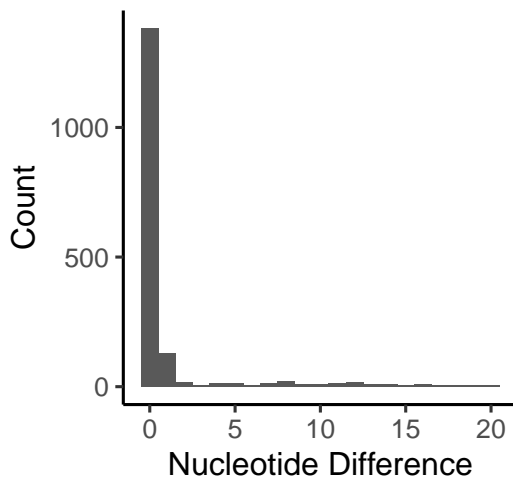
IGHV1-2*02

3668 sequences assigned
2646 (72.1%) exact matches, in which:
2637 unique CDR3
7 unique J



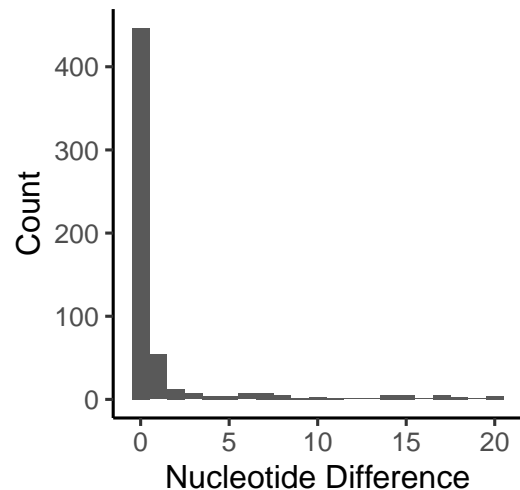
IGHV1-18*01

1814 sequences assigned
1382 (76.2%) exact matches, in which:
1378 unique CDR3
7 unique J



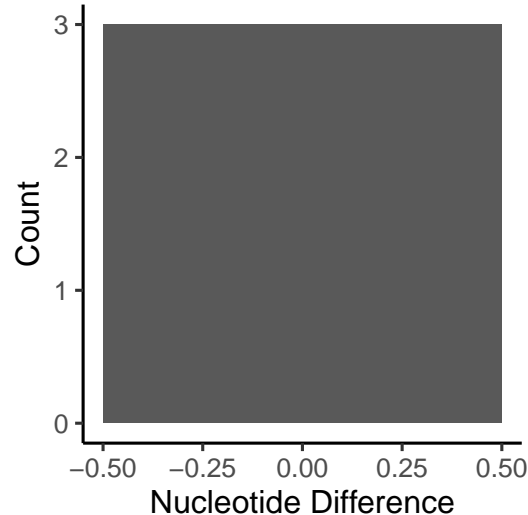
IGHV1-46*01

604 sequences assigned
447 (74%) exact matches, in which:
446 unique CDR3
7 unique J



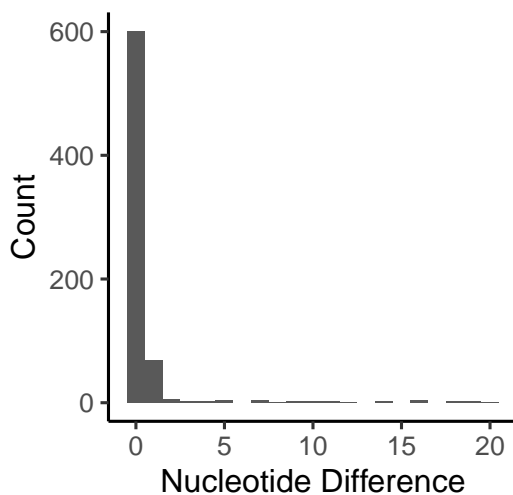
IGHV1-3*02

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
2 unique J



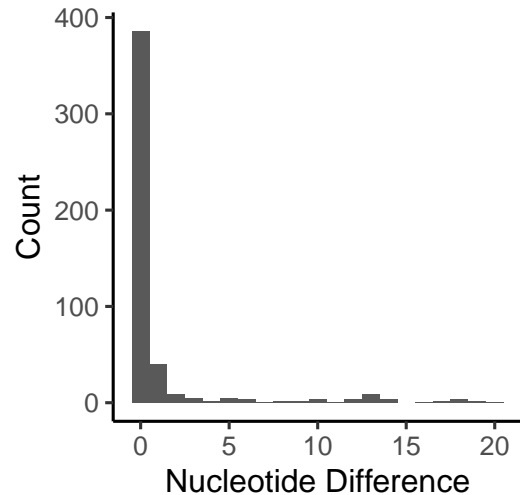
IGHV1-24*01

723 sequences assigned
601 (83.1%) exact matches, in which:
597 unique CDR3
7 unique J



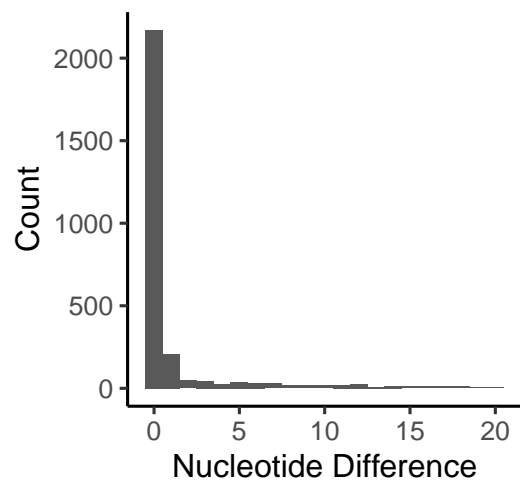
IGHV1-46*03

505 sequences assigned
386 (76.4%) exact matches, in which:
385 unique CDR3
6 unique J



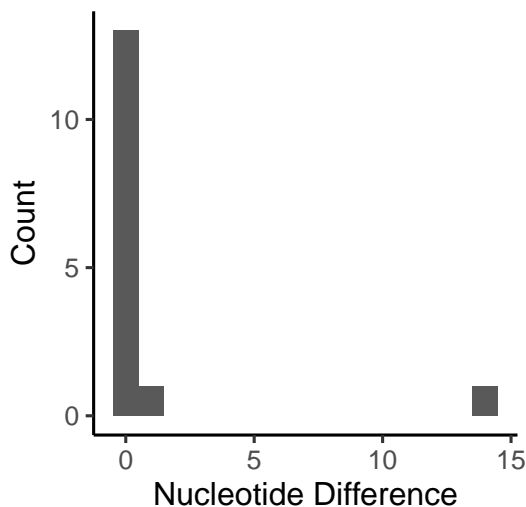
IGHV1-8*01

2824 sequences assigned
2170 (76.8%) exact matches, in which:
2163 unique CDR3
7 unique J



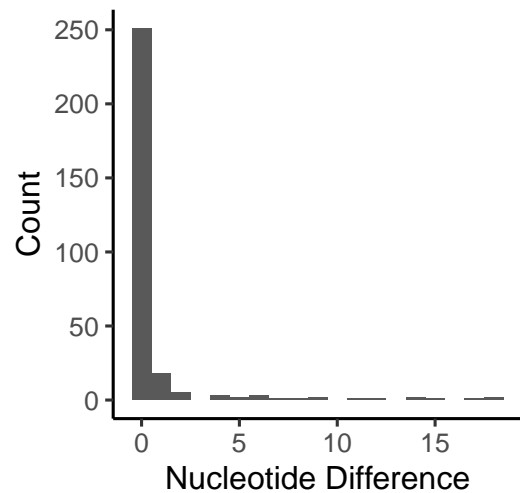
IGHV1-45*02

16 sequences assigned
13 (81.2%) exact matches, in which:
13 unique CDR3
6 unique J



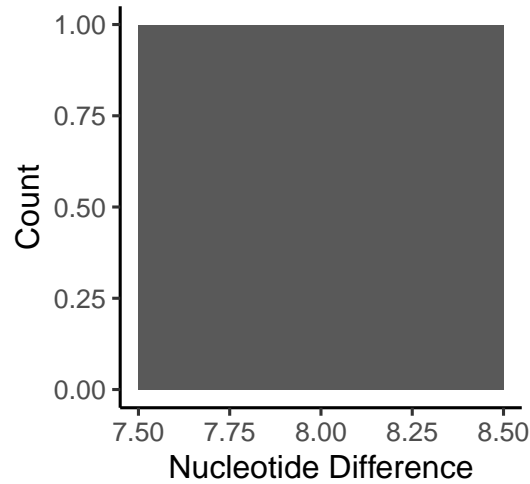
IGHV1-58*01

296 sequences assigned
251 (84.8%) exact matches, in which:
251 unique CDR3
6 unique J



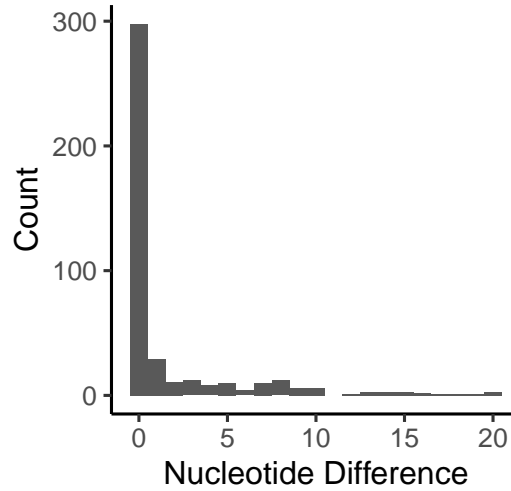
IGHV1-68*01

1 sequences assigned
No exact matches.



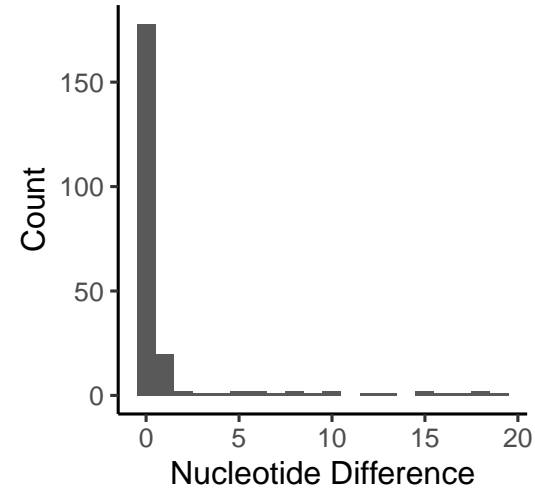
IGHV2-5*01

448 sequences assigned
298 (66.5%) exact matches, in which:
297 unique CDR3
7 unique J



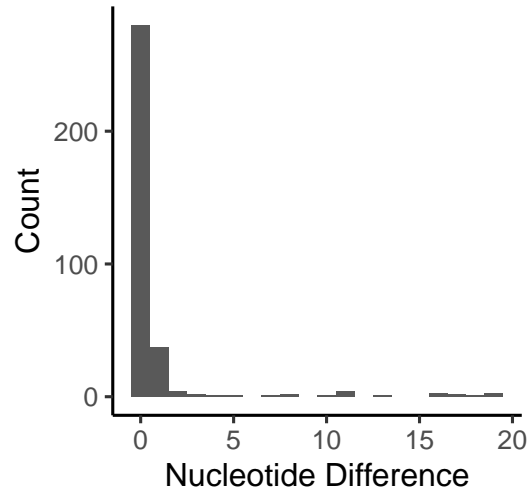
IGHV2-70*01

228 sequences assigned
178 (78.1%) exact matches, in which:
178 unique CDR3
7 unique J



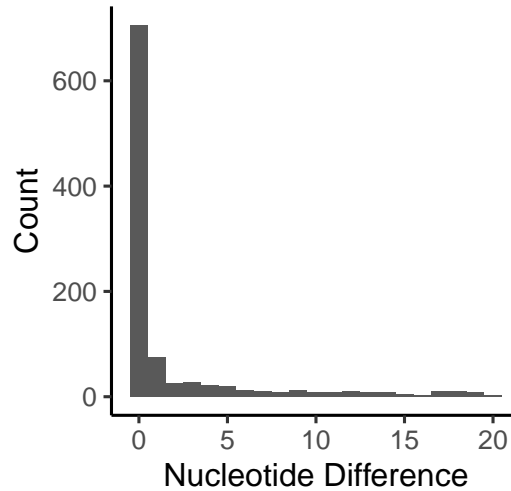
IGHV1-69-2*01

356 sequences assigned
280 (78.7%) exact matches, in which:
280 unique CDR3
7 unique J



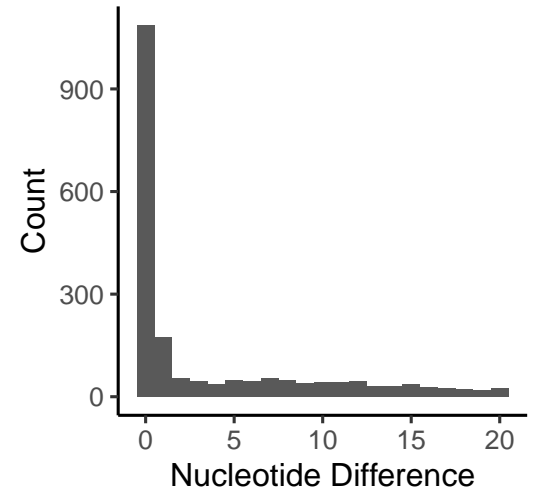
IGHV2-5*02

1035 sequences assigned
706 (68.2%) exact matches, in which:
704 unique CDR3
7 unique J



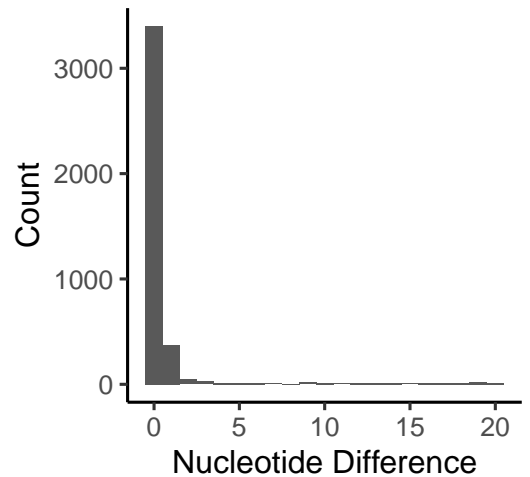
IGHV3-7*01

2053 sequences assigned
1087 (52.9%) exact matches, in which:
1085 unique CDR3
7 unique J



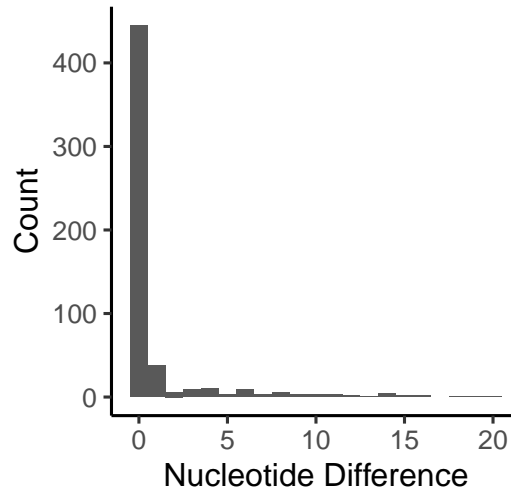
IGHV1-69*06

4148 sequences assigned
3401 (82%) exact matches, in which:
3389 unique CDR3
7 unique J



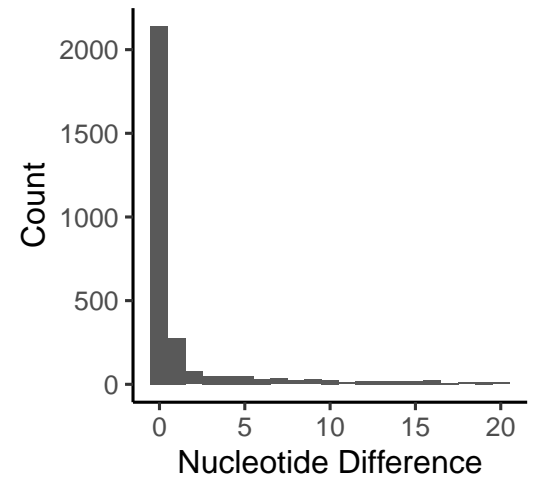
IGHV2-26*01

559 sequences assigned
445 (79.6%) exact matches, in which:
444 unique CDR3
7 unique J



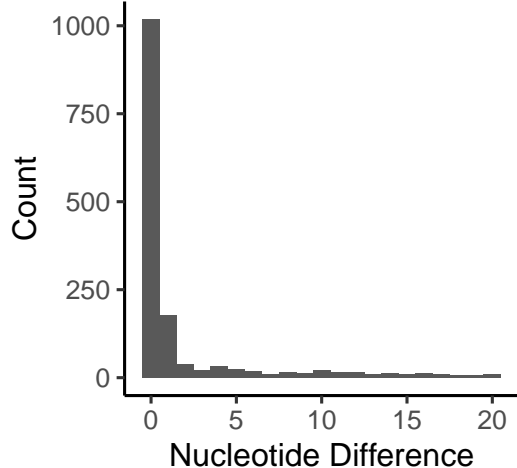
IGHV3-9*01

3027 sequences assigned
2141 (70.7%) exact matches, in which:
2136 unique CDR3
7 unique J



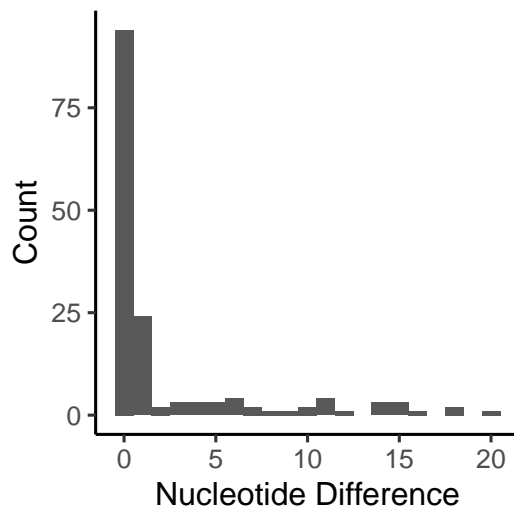
IGHV3-11*01

1555 sequences assigned
1018 (65.5%) exact matches, in which:
1016 unique CDR3
7 unique J



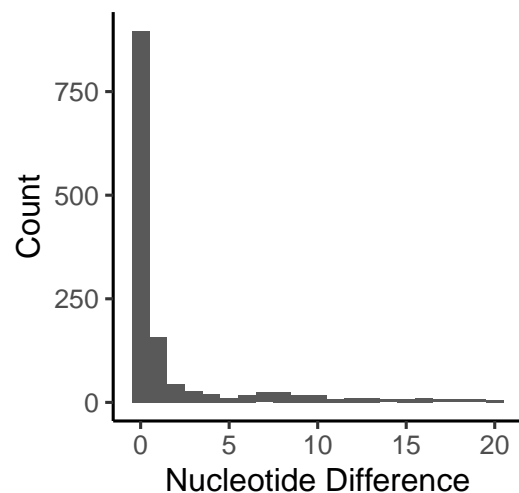
IGHV3-20*01

162 sequences assigned
94 (58%) exact matches, in which:
94 unique CDR3
6 unique J



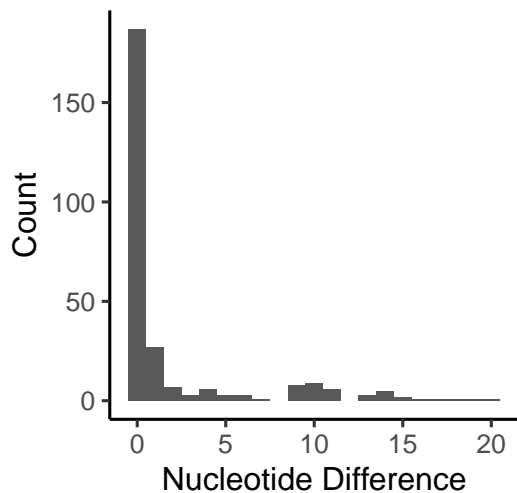
IGHV3-33*01

1384 sequences assigned
897 (64.8%) exact matches, in which:
892 unique CDR3
7 unique J



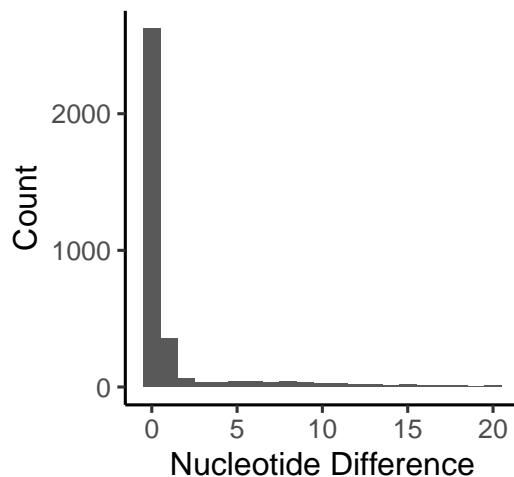
IGHV3-13*01

288 sequences assigned
187 (64.9%) exact matches, in which:
187 unique CDR3
6 unique J



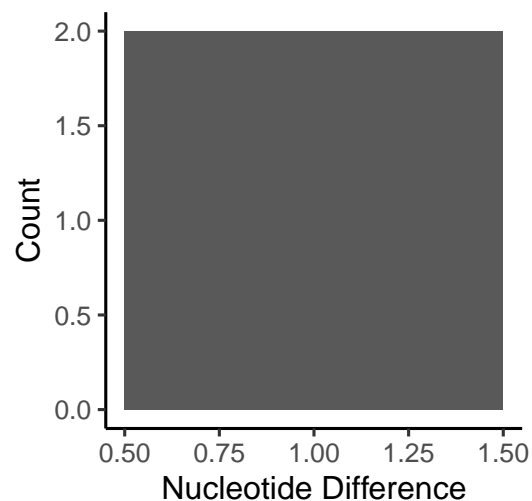
IGHV3-21*01

3534 sequences assigned
2622 (74.2%) exact matches, in which:
2607 unique CDR3
7 unique J



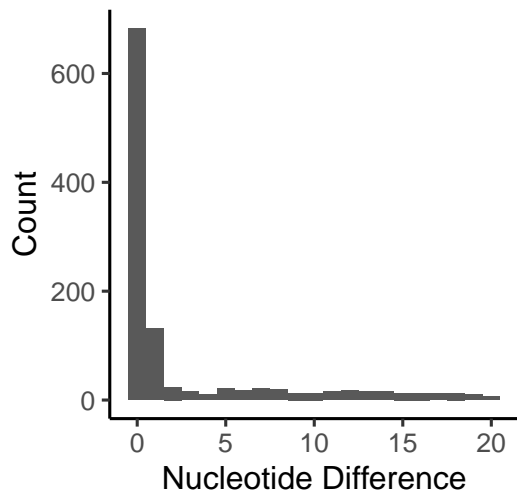
IGHV3-35*01

2 sequences assigned
No exact matches.



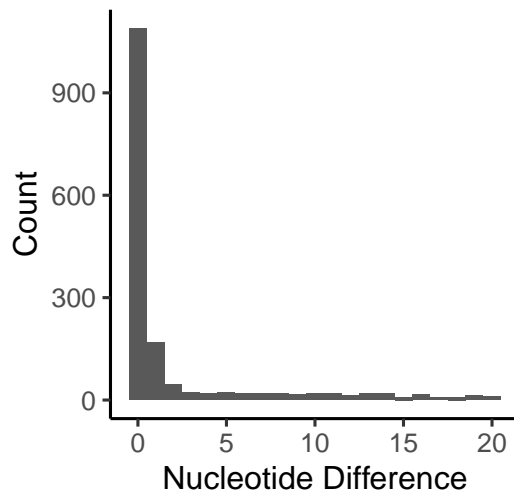
IGHV3-15*01

1166 sequences assigned
683 (58.6%) exact matches, in which:
682 unique CDR3
7 unique J



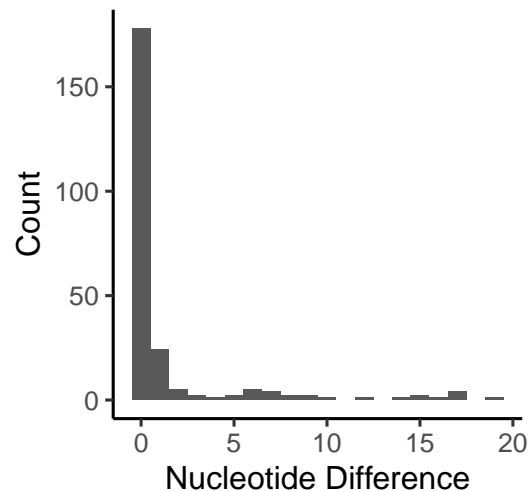
IGHV3-30-3*01

1655 sequences assigned
1089 (65.8%) exact matches, in which:
1084 unique CDR3
7 unique J



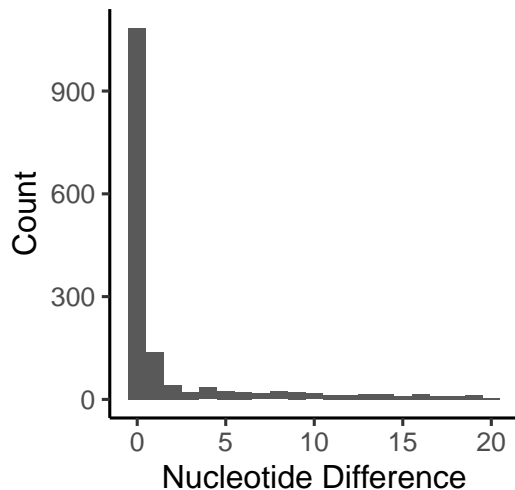
IGHV3-43*01

247 sequences assigned
178 (72.1%) exact matches, in which:
178 unique CDR3
6 unique J



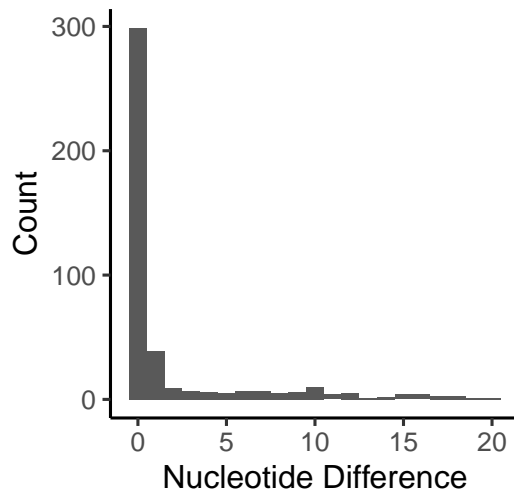
IGHV3-48*02

1615 sequences assigned
1085 (67.2%) exact matches, in which:
1083 unique CDR3
7 unique J



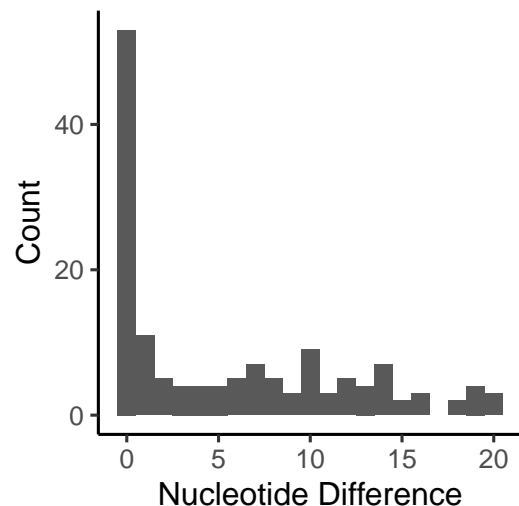
IGHV3-53*02

443 sequences assigned
299 (67.5%) exact matches, in which:
298 unique CDR3
6 unique J



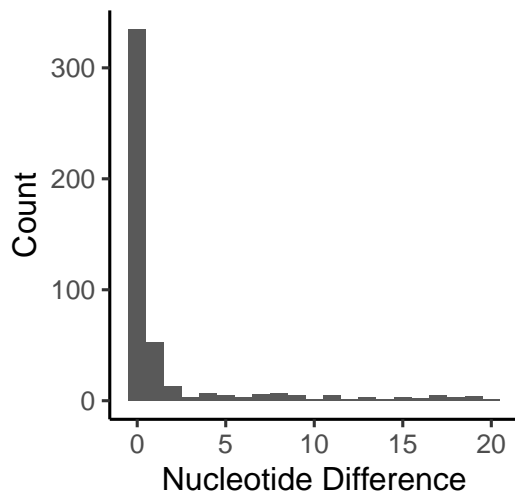
IGHV3-72*01

149 sequences assigned
53 (35.6%) exact matches, in which:
53 unique CDR3
6 unique J



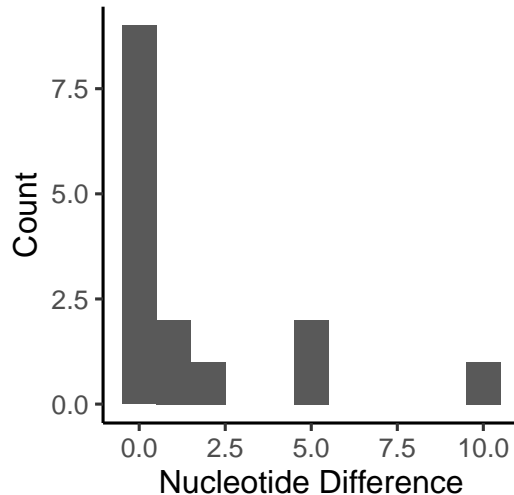
IGHV3-49*05

489 sequences assigned
335 (68.5%) exact matches, in which:
333 unique CDR3
7 unique J



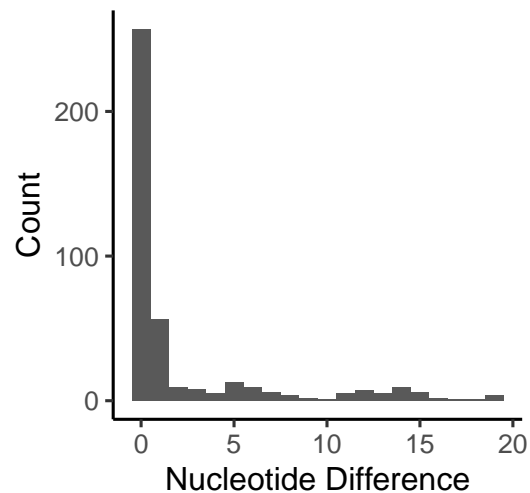
IGHV3-64*02

16 sequences assigned
9 (56.2%) exact matches, in which:
9 unique CDR3
3 unique J



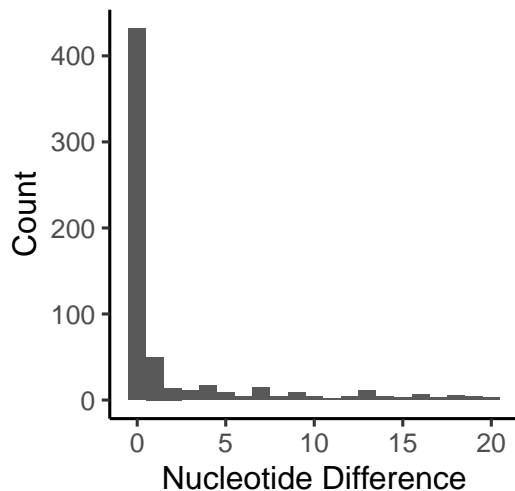
IGHV3-73*02

423 sequences assigned
257 (60.8%) exact matches, in which:
254 unique CDR3
7 unique J



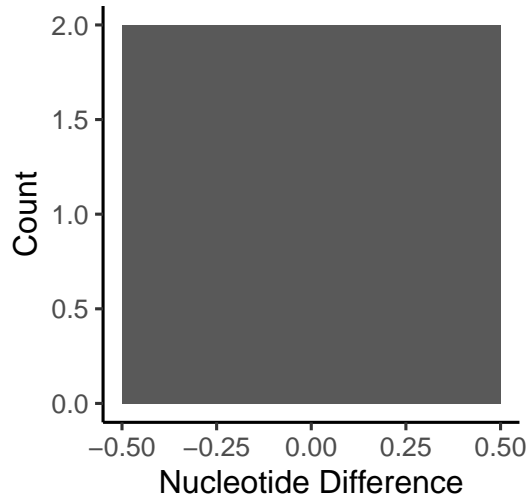
IGHV3-53*01

649 sequences assigned
432 (66.6%) exact matches, in which:
431 unique CDR3
7 unique J



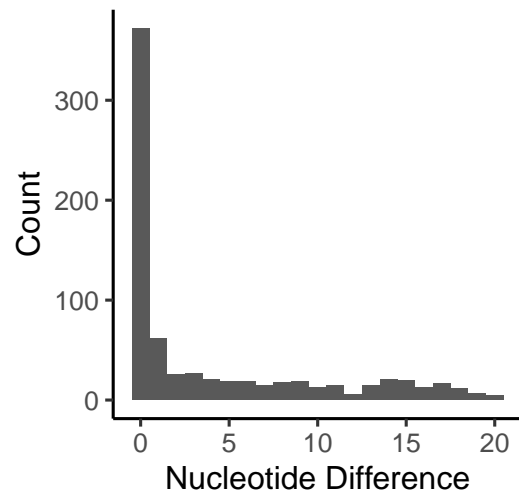
IGHV3-66*03

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



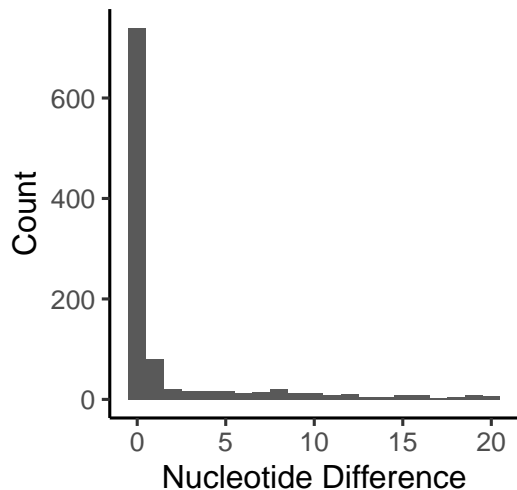
IGHV3-74*01

783 sequences assigned
372 (47.5%) exact matches, in which:
372 unique CDR3
7 unique J



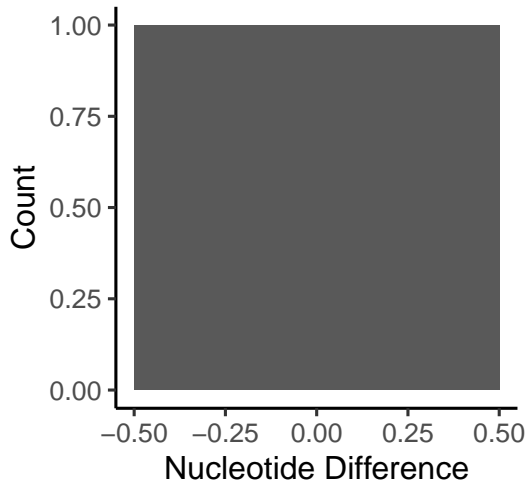
IGHV4-4*07

1072 sequences assigned
740 (69%) exact matches, in which:
738 unique CDR3
7 unique J



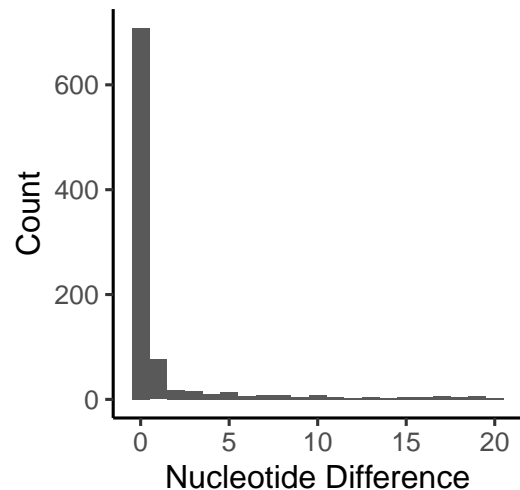
IGHV4-28*07

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



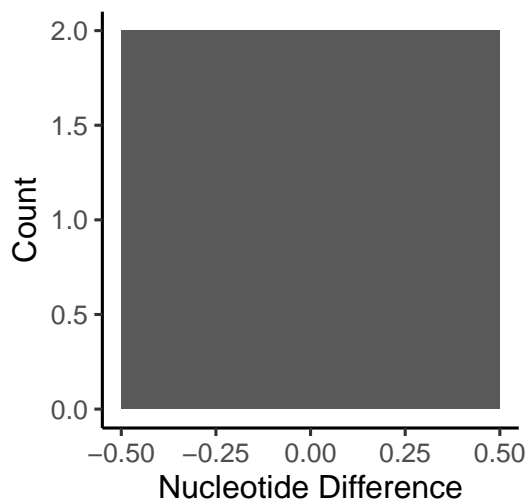
IGHV4-31*03

947 sequences assigned
709 (74.9%) exact matches, in which:
708 unique CDR3
7 unique J



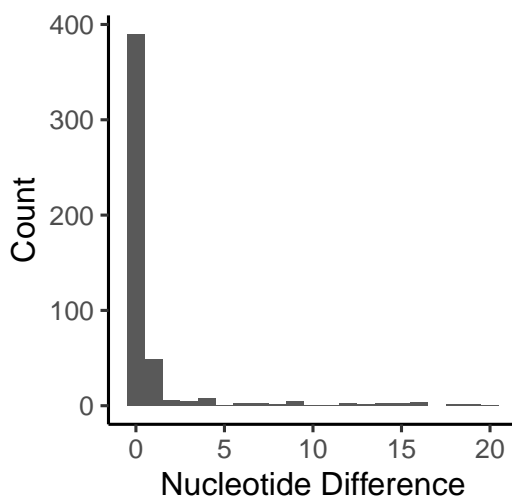
IGHV4-28*01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



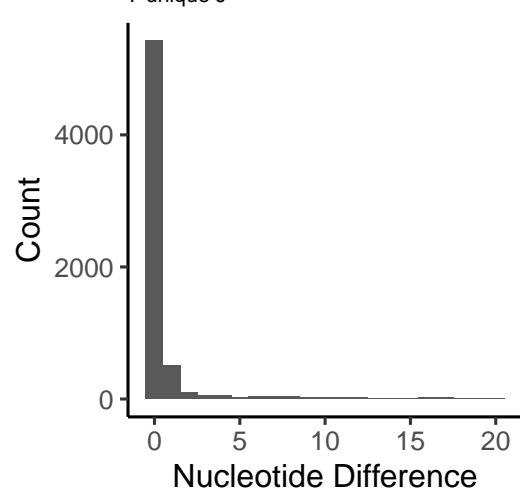
IGHV4-30-2*01

507 sequences assigned
390 (76.9%) exact matches, in which:
388 unique CDR3
7 unique J



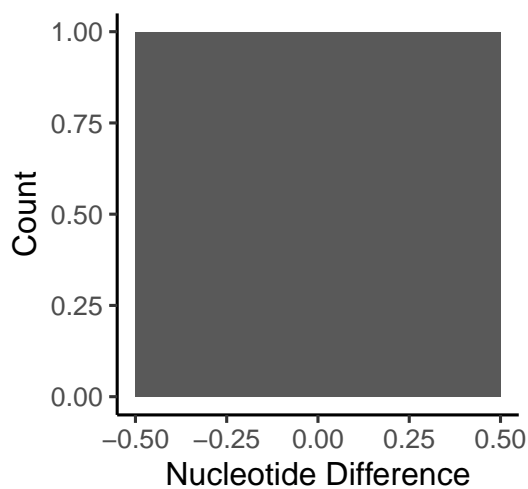
IGHV4-34*01

6589 sequences assigned
5426 (82.3%) exact matches, in which:
5400 unique CDR3
7 unique J



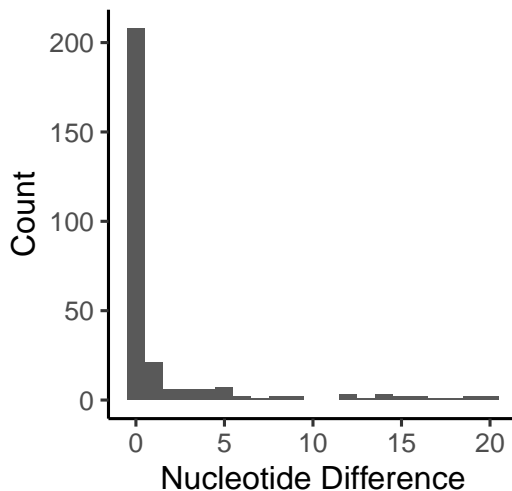
IGHV4-28*03

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



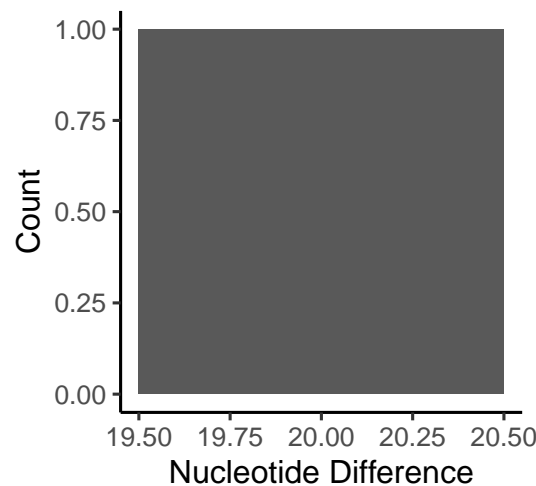
IGHV4-30-4*01

299 sequences assigned
208 (69.6%) exact matches, in which:
208 unique CDR3
6 unique J



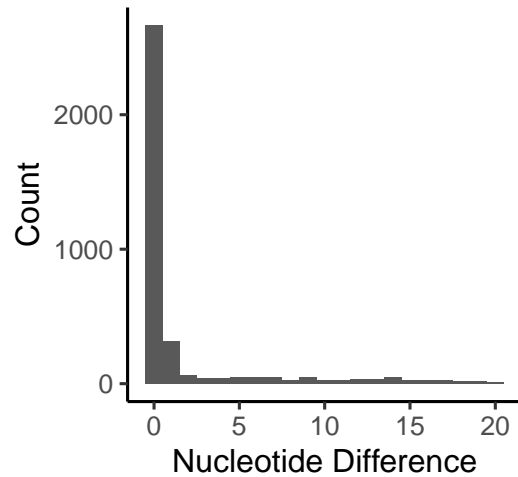
IGHV4-38-2*01

1 sequences assigned
No exact matches.



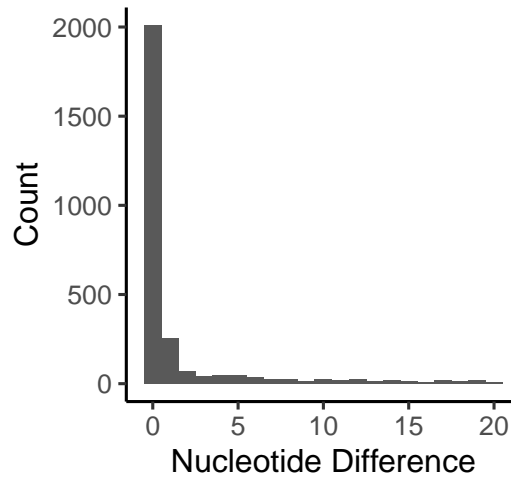
IGHV4-39*01

3850 sequences assigned
2664 (69.2%) exact matches, in which:
2646 unique CDR3
7 unique J



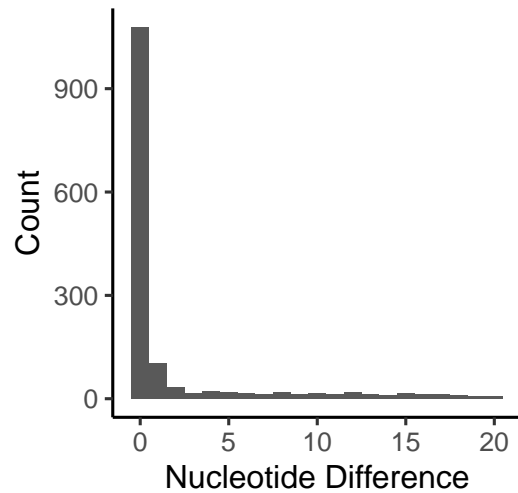
IGHV5-51*01

2822 sequences assigned
2009 (71.2%) exact matches, in which:
1996 unique CDR3
7 unique J



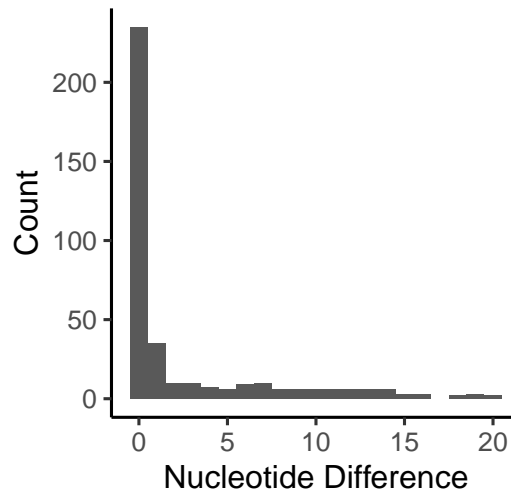
IGHV4-59*01

1534 sequences assigned
1079 (70.3%) exact matches, in which:
1076 unique CDR3
7 unique J



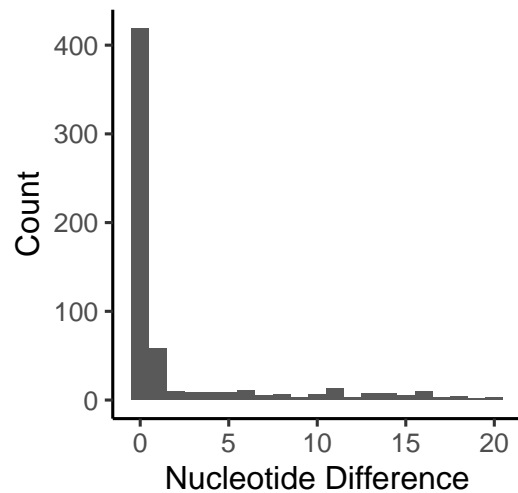
IGHV6-1*01

384 sequences assigned
235 (61.2%) exact matches, in which:
234 unique CDR3
7 unique J

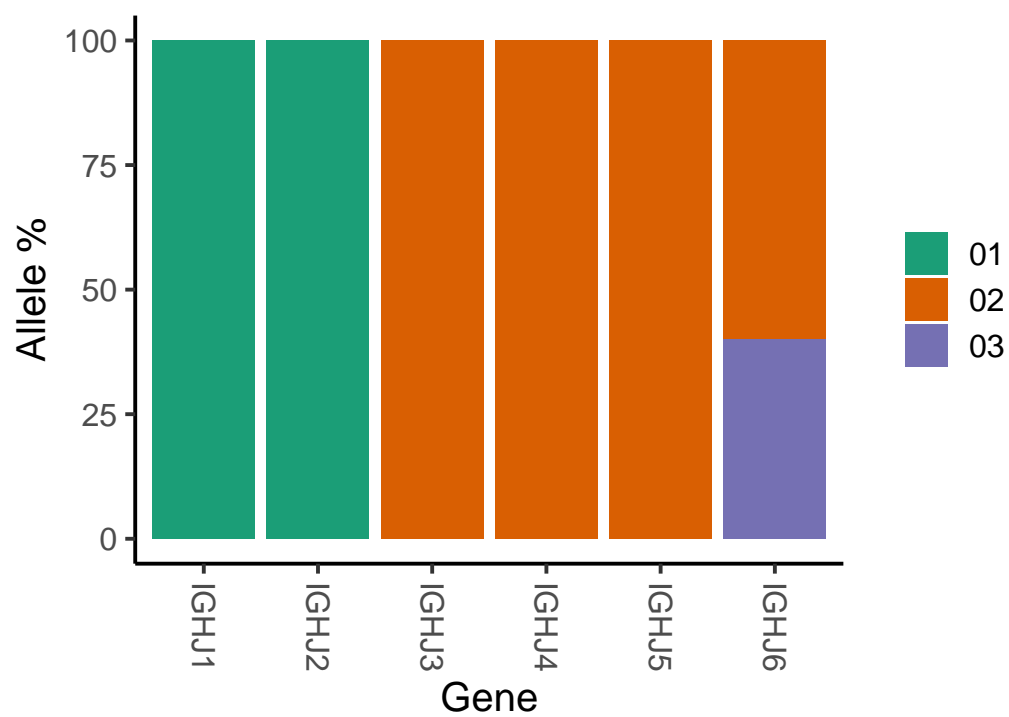


IGHV4-61*01

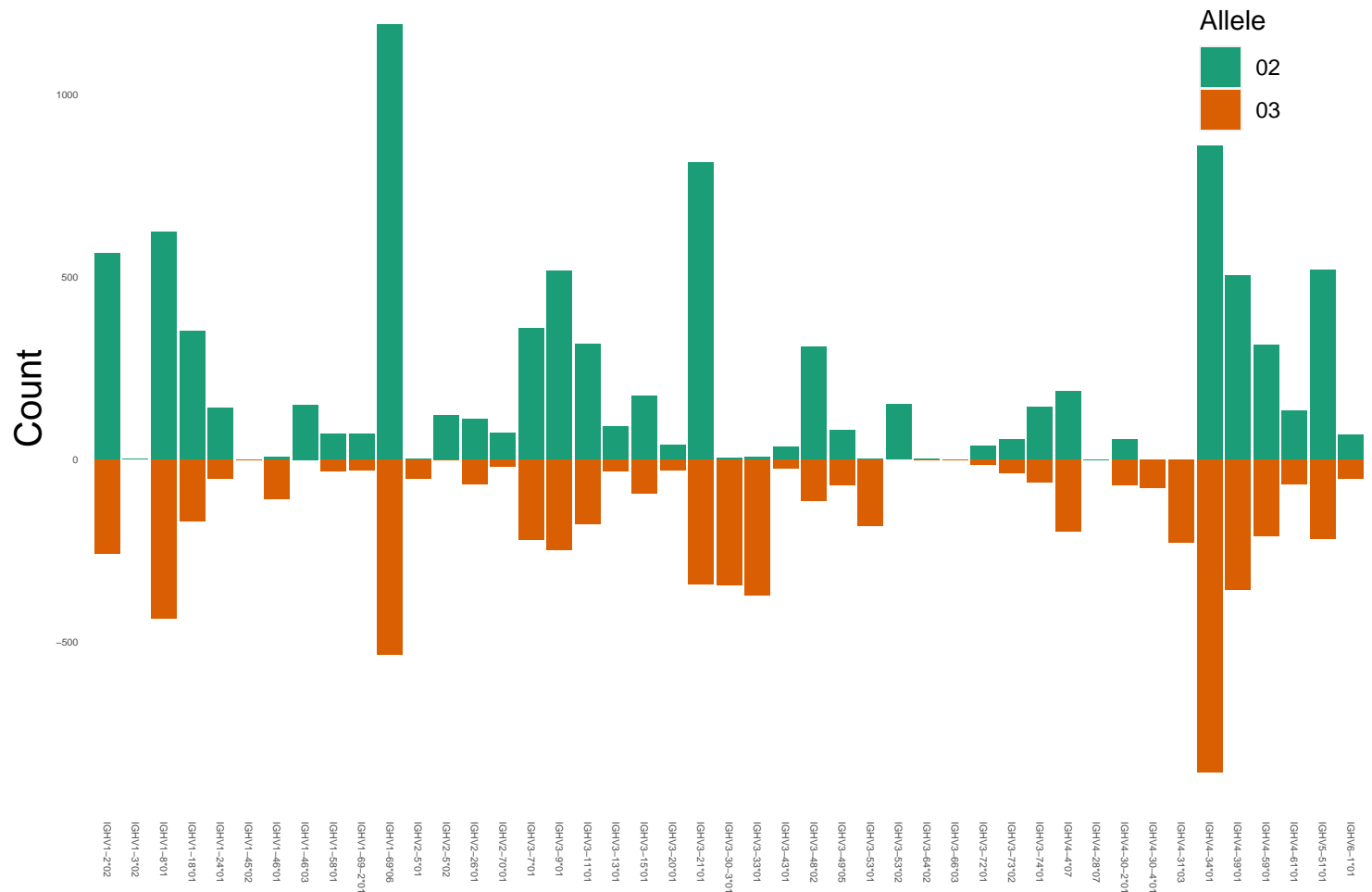
651 sequences assigned
419 (64.4%) exact matches, in which:
419 unique CDR3
7 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.

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