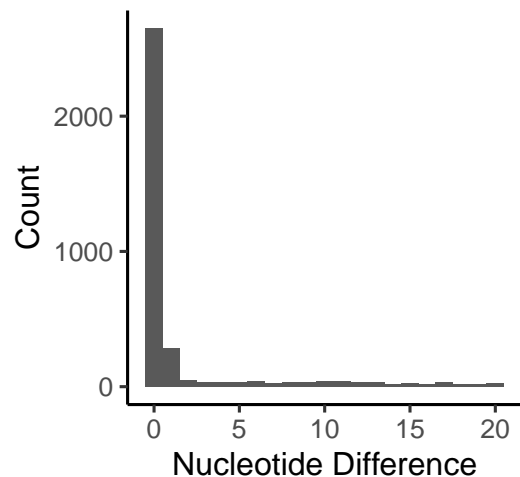


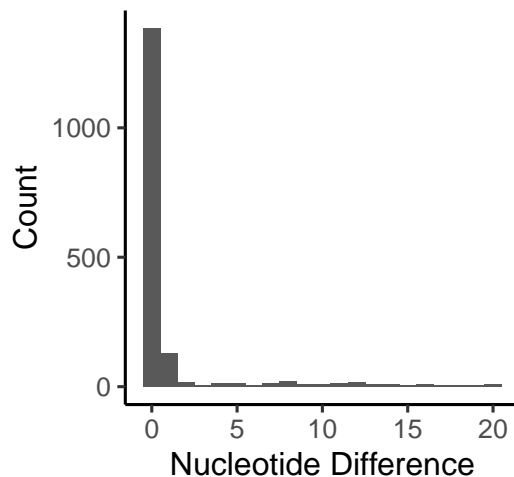
IGHV1-2*02

3673 sequences assigned
2649 (72.1%) exact matches, in which:
2640 unique CDR3
7 unique J



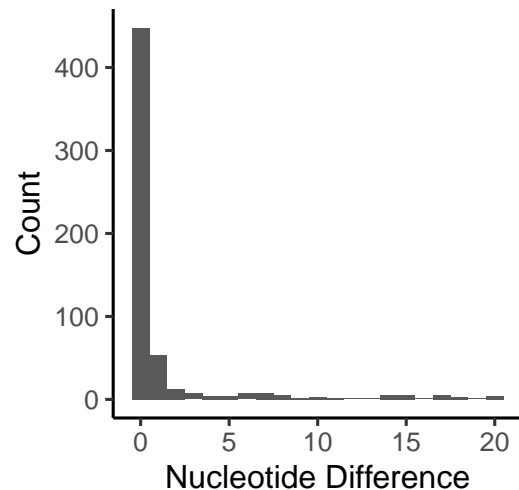
IGHV1-18*01

1819 sequences assigned
1384 (76.1%) exact matches, in which:
1380 unique CDR3
7 unique J



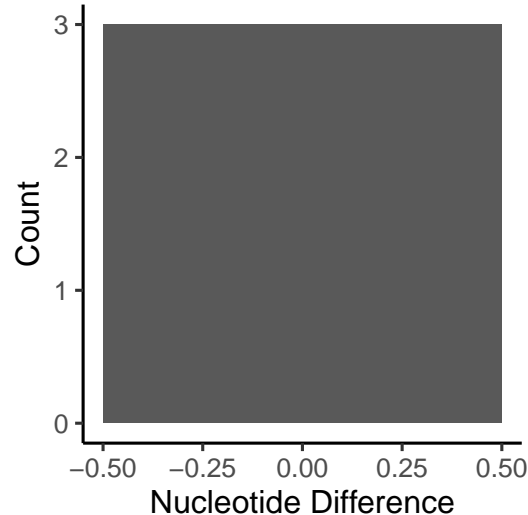
IGHV1-46*01

605 sequences assigned
448 (74%) exact matches, in which:
447 unique CDR3
7 unique J



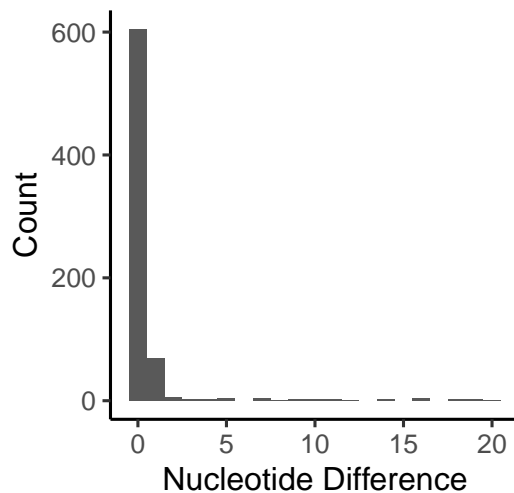
IGHV1-3*02

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



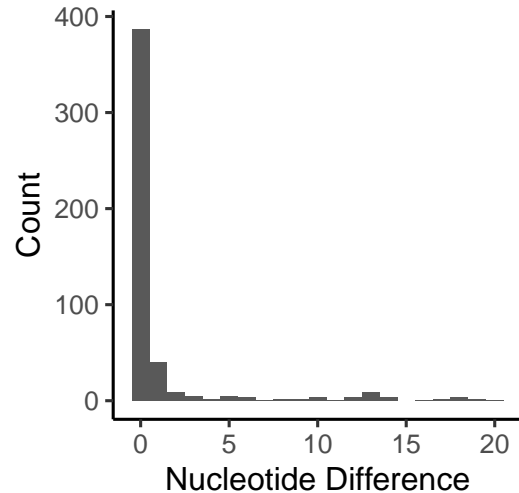
IGHV1-24*01

727 sequences assigned
605 (83.2%) exact matches, in which:
601 unique CDR3
7 unique J



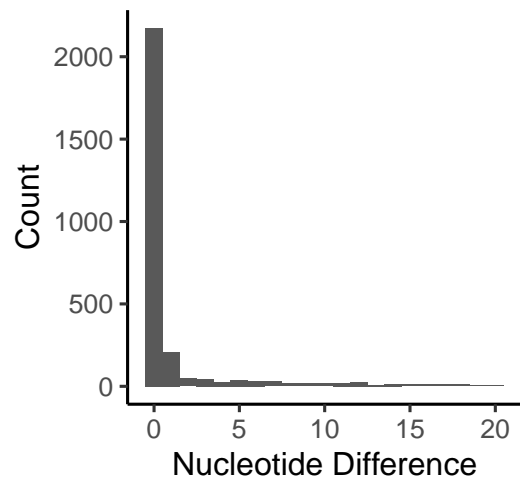
IGHV1-46*03

506 sequences assigned
387 (76.5%) exact matches, in which:
386 unique CDR3
6 unique J



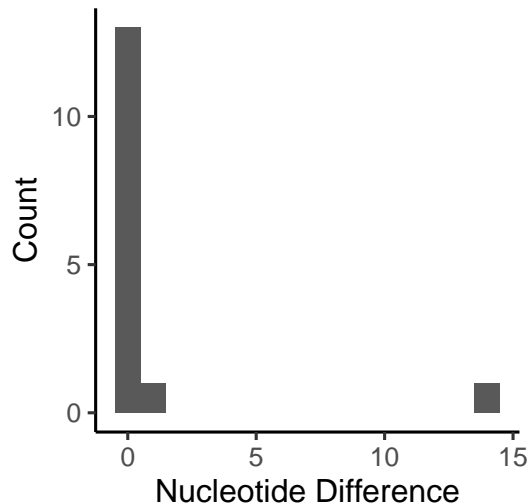
IGHV1-8*01

2829 sequences assigned
2174 (76.8%) exact matches, in which:
2167 unique CDR3
7 unique J



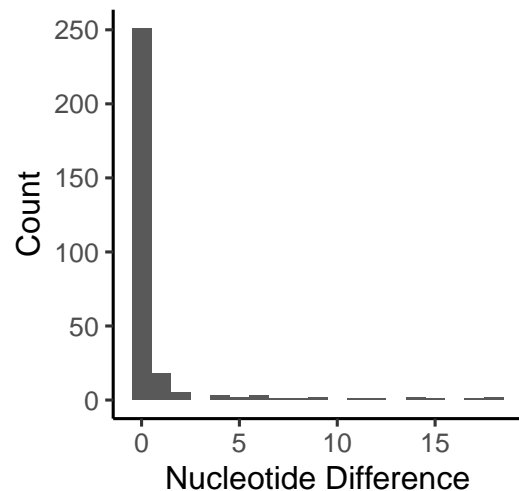
IGHV1-45*02

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



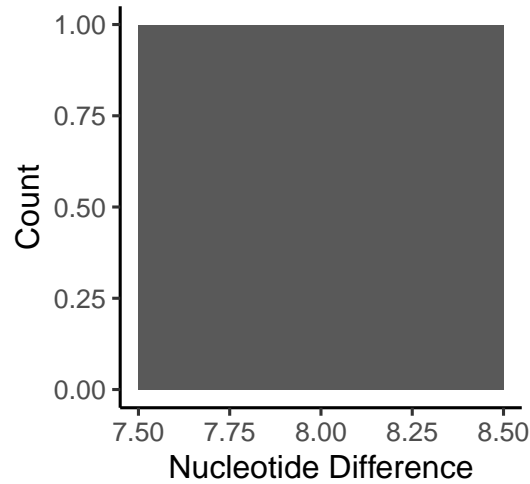
IGHV1-58*01

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



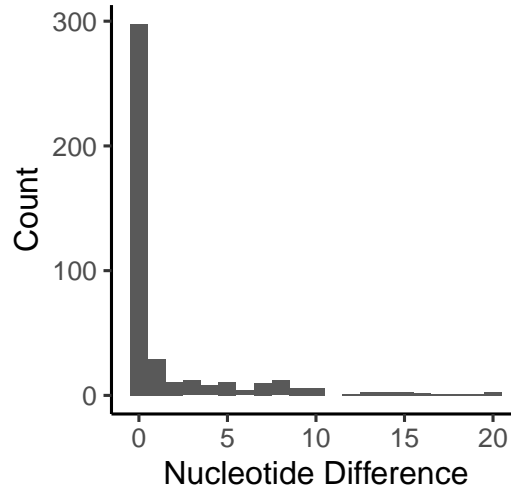
IGHV1-68*01

1 sequences assigned
No exact matches.



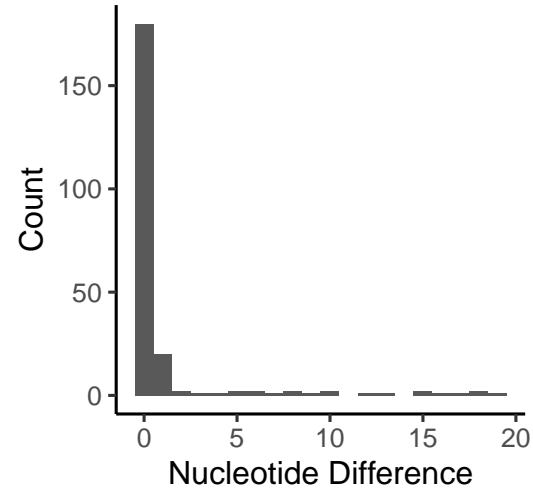
IGHV2-5*01

449 sequences assigned
298 (66.4%) exact matches, in which:
297 unique CDR3
7 unique J



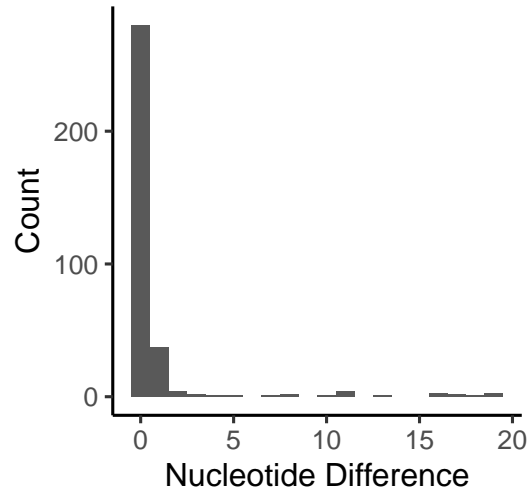
IGHV2-70*01

230 sequences assigned
180 (78.3%) exact matches, in which:
180 unique CDR3
7 unique J



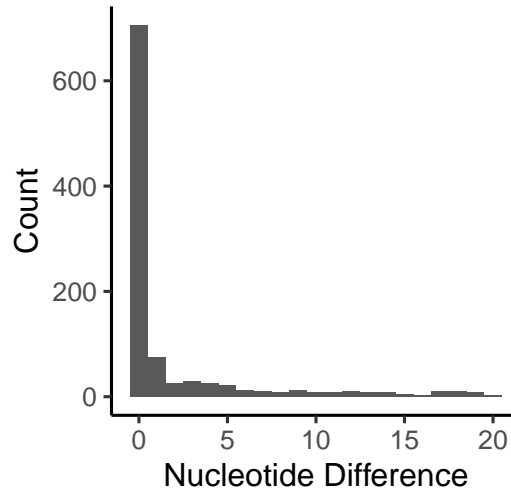
IGHV1-69-2*01

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



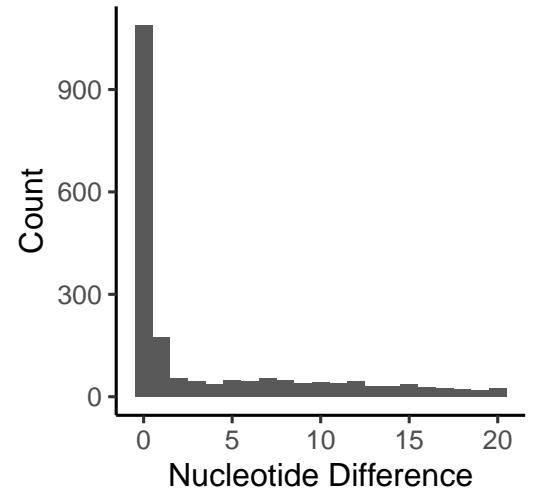
IGHV2-5*02

1040 sequences assigned
706 (67.9%) exact matches, in which:
704 unique CDR3
7 unique J



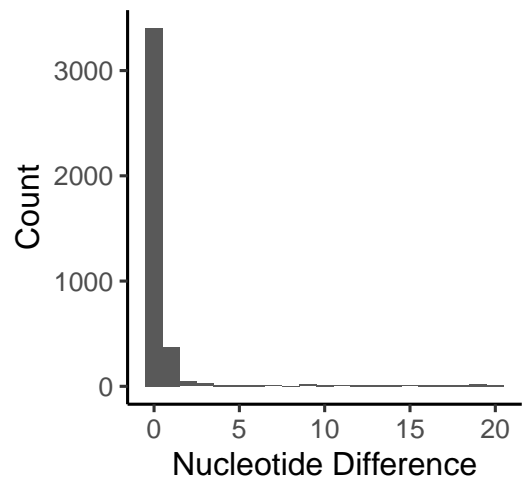
IGHV3-7*01

2055 sequences assigned
1089 (53%) exact matches, in which:
1087 unique CDR3
7 unique J



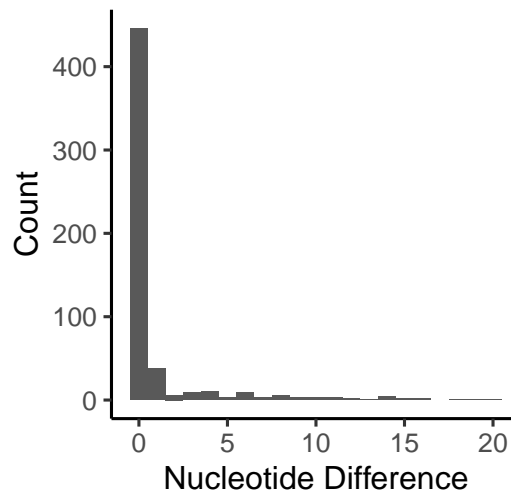
IGHV1-69*06

4152 sequences assigned
3404 (82%) exact matches, in which:
3392 unique CDR3
7 unique J



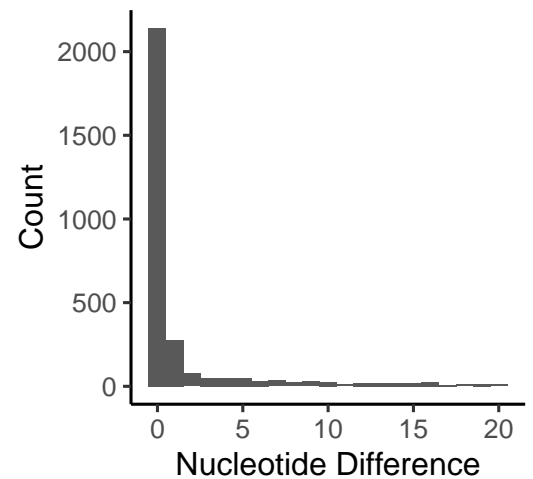
IGHV2-26*01

560 sequences assigned
446 (79.6%) exact matches, in which:
445 unique CDR3
7 unique J



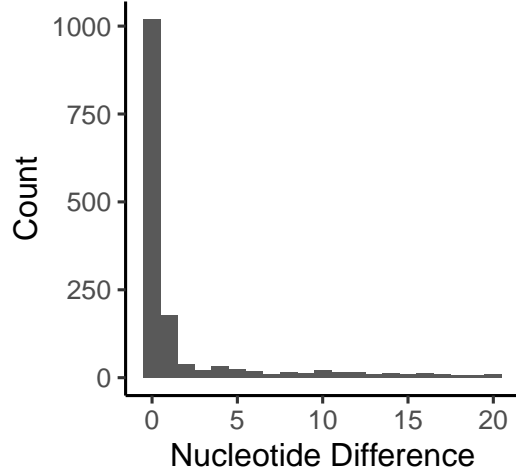
IGHV3-9*01

3028 sequences assigned
2141 (70.7%) exact matches, in which:
2136 unique CDR3
7 unique J



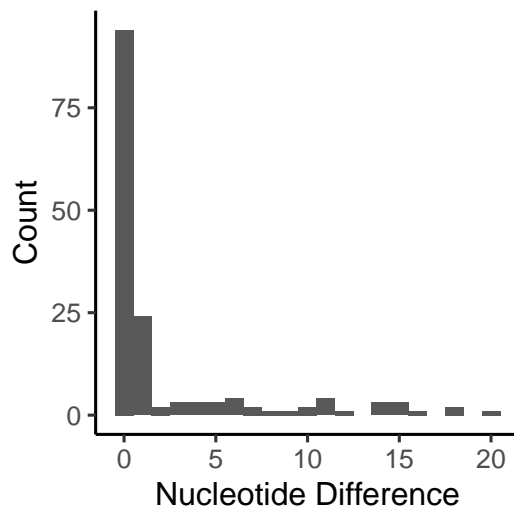
IGHV3–11*01

1559 sequences assigned
1019 (65.4%) exact matches, in which:
1017 unique CDR3
7 unique J



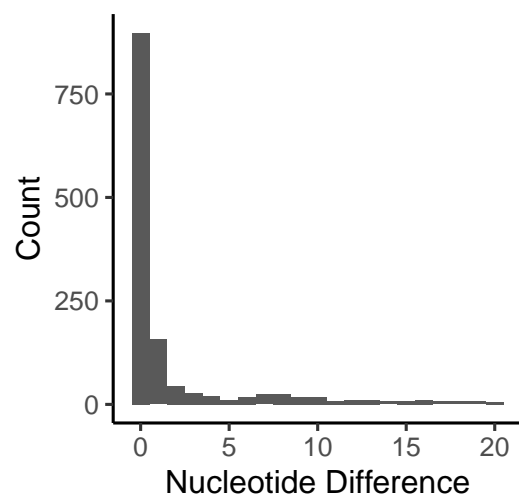
IGHV3–20*01

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



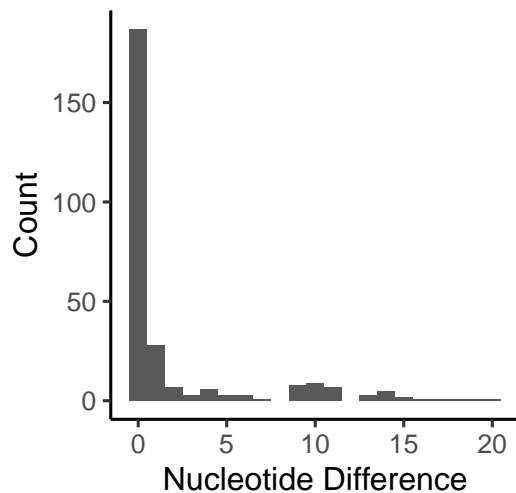
IGHV3–33*01

1385 sequences assigned
898 (64.8%) exact matches, in which:
893 unique CDR3
7 unique J



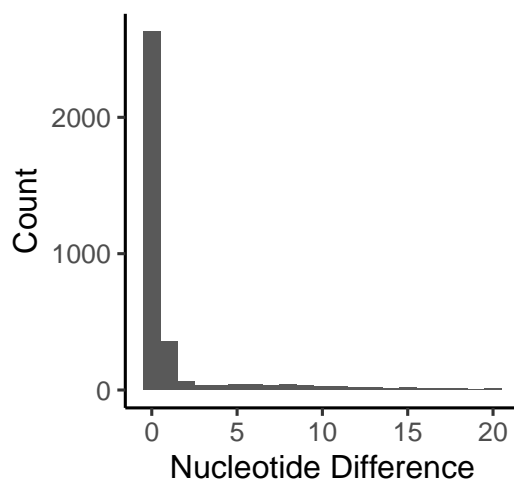
IGHV3–13*01

290 sequences assigned
187 (64.5%) exact matches, in which:
187 unique CDR3
6 unique J



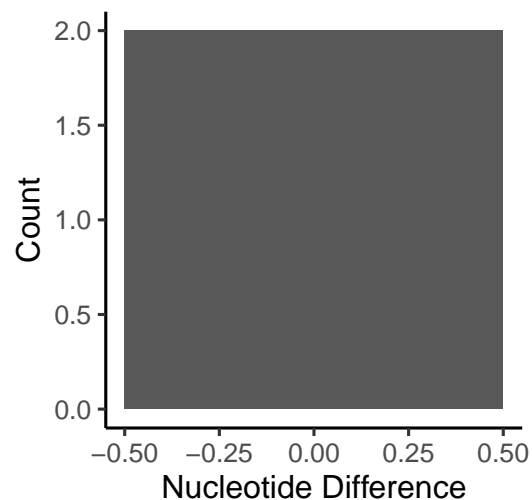
IGHV3–21*01

3542 sequences assigned
2628 (74.2%) exact matches, in which:
2613 unique CDR3
7 unique J



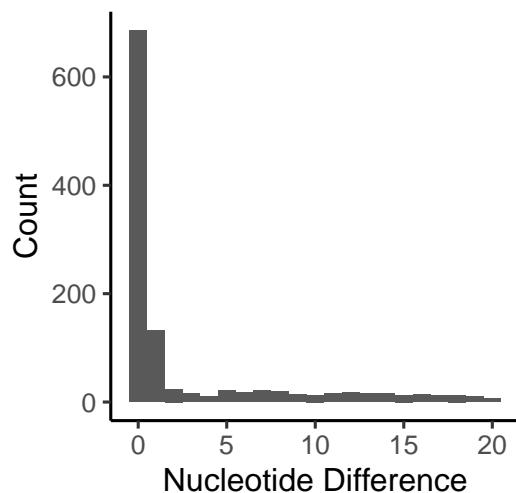
IGHV3–35*02

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



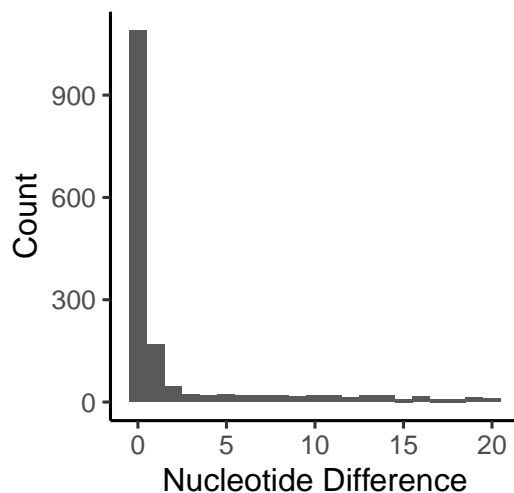
IGHV3–15*01

1171 sequences assigned
686 (58.6%) exact matches, in which:
685 unique CDR3
7 unique J



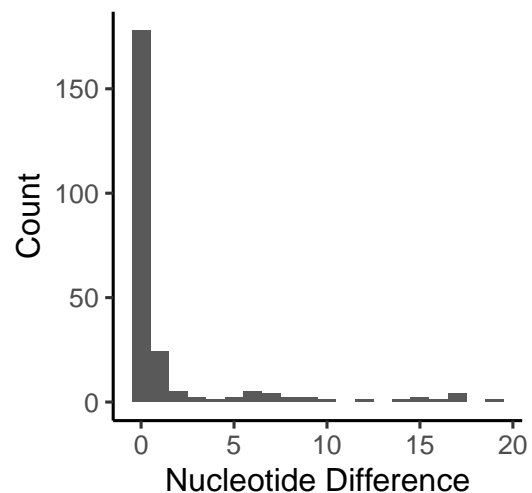
IGHV3–30–3*01

1657 sequences assigned
1090 (65.8%) exact matches, in which:
1085 unique CDR3
7 unique J



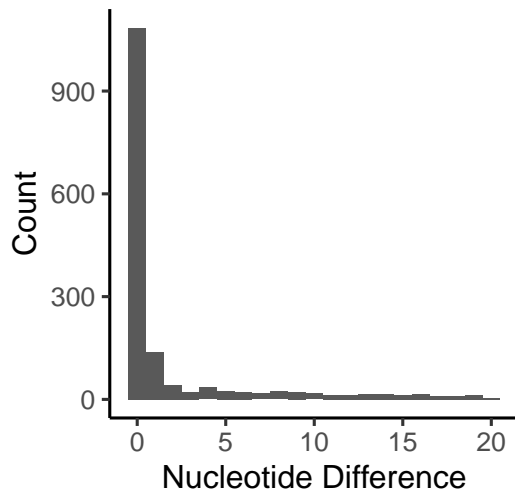
IGHV3–43*01

248 sequences assigned
178 (71.8%) exact matches, in which:
178 unique CDR3
6 unique J



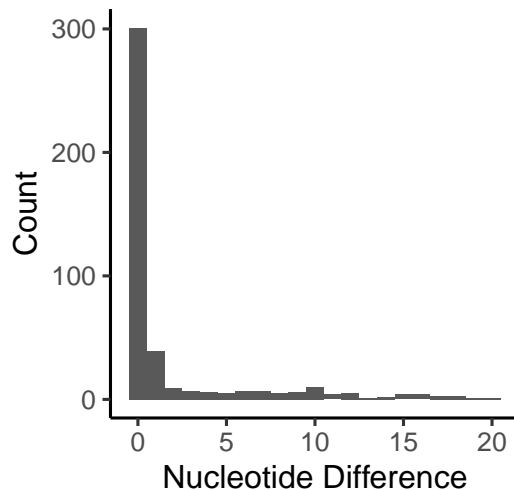
IGHV3-48*02

1616 sequences assigned
1085 (67.1%) exact matches, in which:
1083 unique CDR3
7 unique J



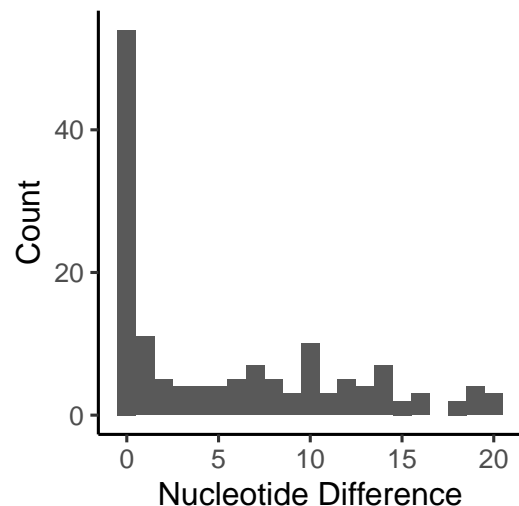
IGHV3-53*02

445 sequences assigned
301 (67.6%) exact matches, in which:
300 unique CDR3
6 unique J



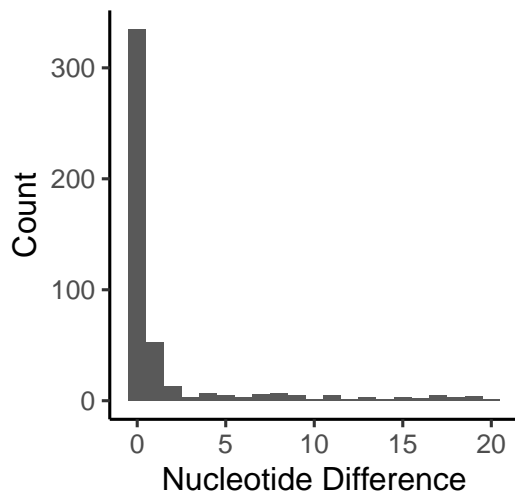
IGHV3-72*01

151 sequences assigned
54 (35.8%) exact matches, in which:
54 unique CDR3
6 unique J



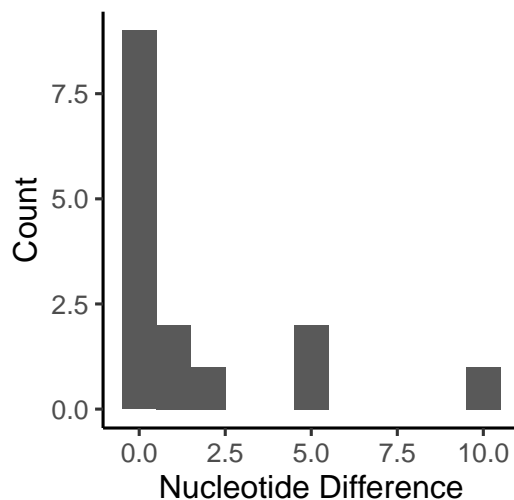
IGHV3-49*05

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



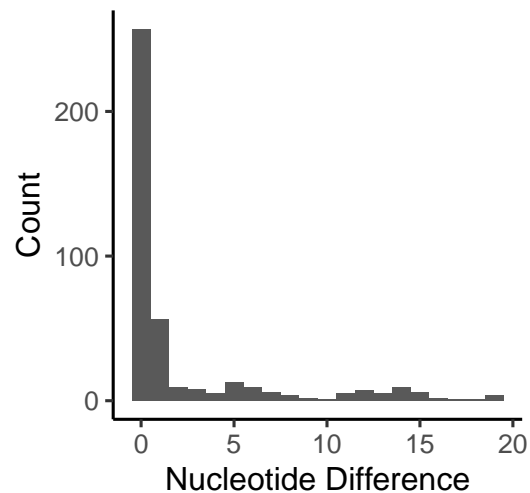
IGHV3-64*02

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



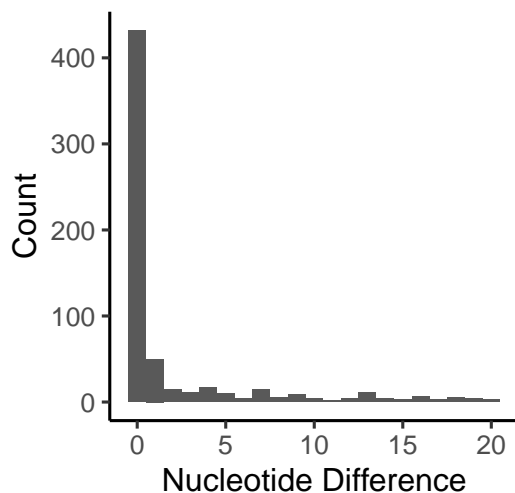
IGHV3-73*02

424 sequences assigned
257 (60.6%) exact matches, in which:
254 unique CDR3
7 unique J



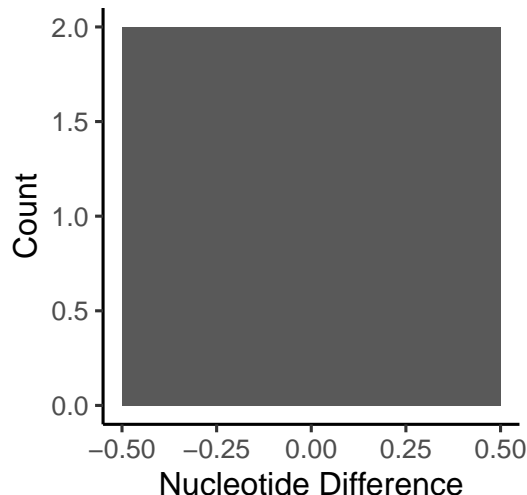
IGHV3-53*01

653 sequences assigned
432 (66.2%) exact matches, in which:
431 unique CDR3
7 unique J



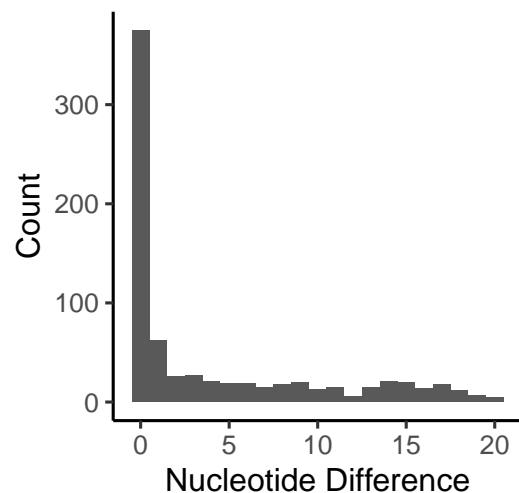
IGHV3-66*03

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



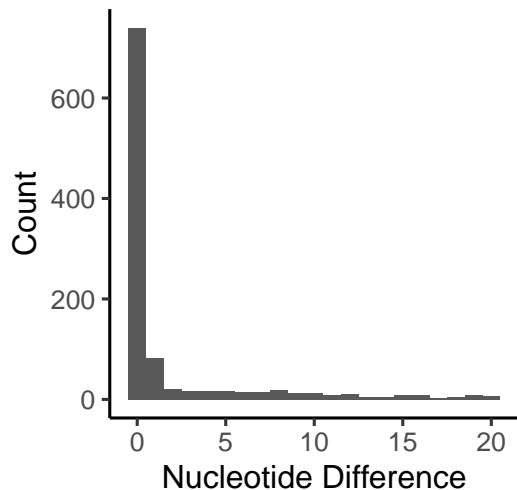
IGHV3-74*01

789 sequences assigned
375 (47.5%) exact matches, in which:
375 unique CDR3
7 unique J



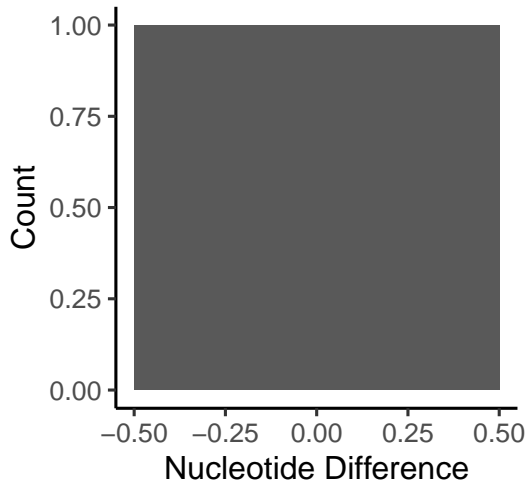
IGHV4-4*07

1073 sequences assigned
740 (69%) exact matches, in which:
738 unique CDR3
7 unique J



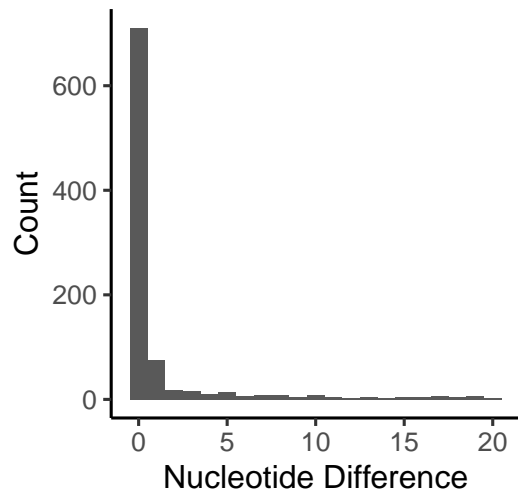
IGHV4-28*07

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



IGHV4-31*03

950 sequences assigned
711 (74.8%) exact matches, in which:
710 unique CDR3
7 unique J



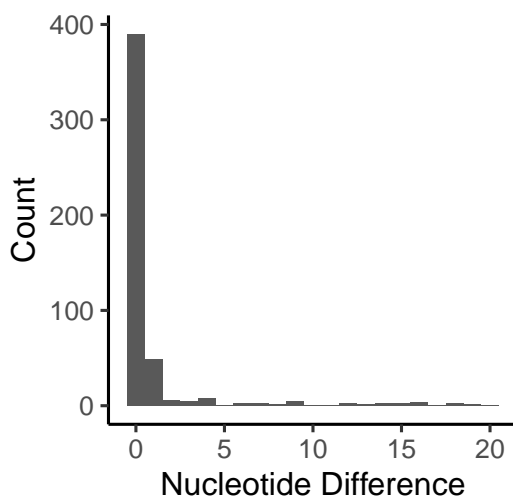
IGHV4-28*01

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



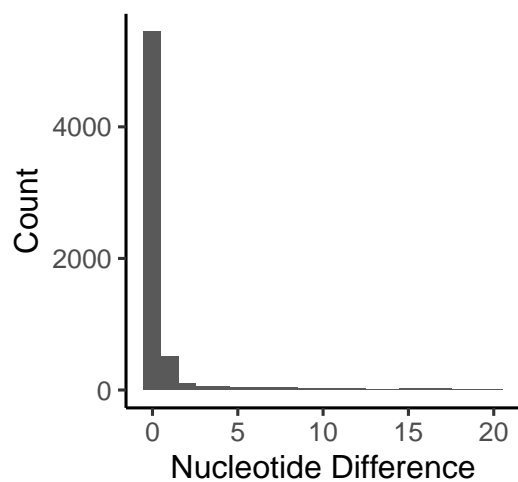
IGHV4-30-2*01

509 sequences assigned
390 (76.6%) exact matches, in which:
388 unique CDR3
7 unique J



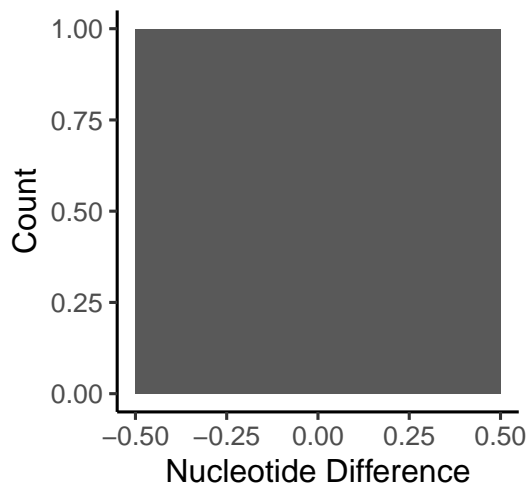
IGHV4-34*01

6616 sequences assigned
5446 (82.3%) exact matches, in which:
5420 unique CDR3
7 unique J



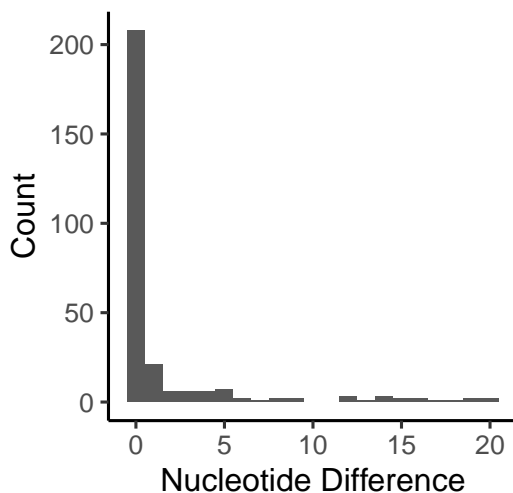
IGHV4-28*03

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



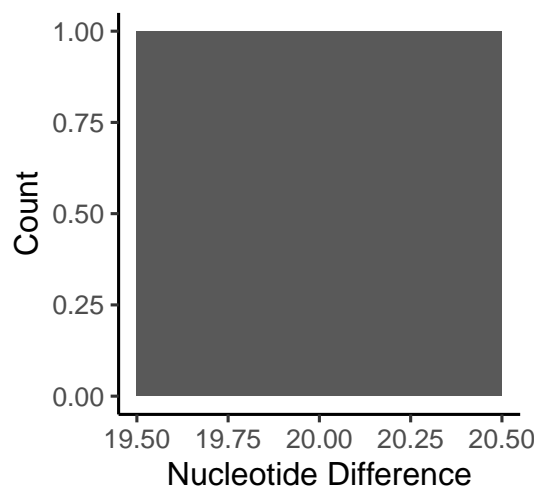
IGHV4-30-4*01

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



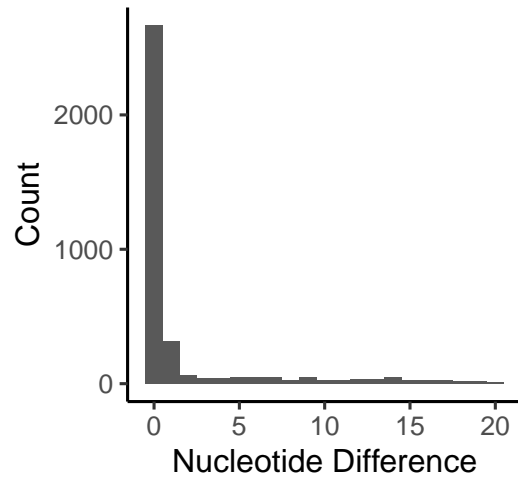
IGHV4-38-2*01

1 sequences assigned
No exact matches.



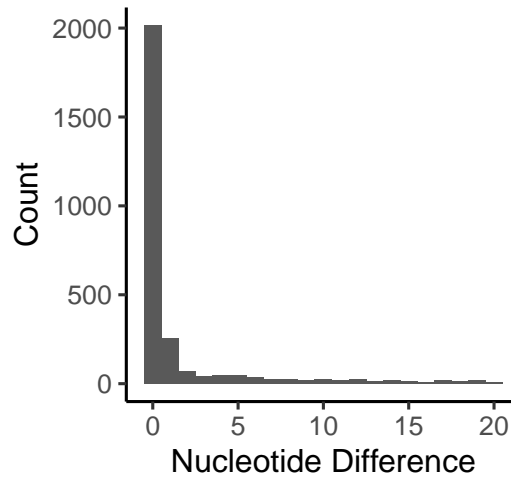
IGHV4-39*01

3850 sequences assigned
2666 (69.2%) exact matches, in which:
2648 unique CDR3
7 unique J



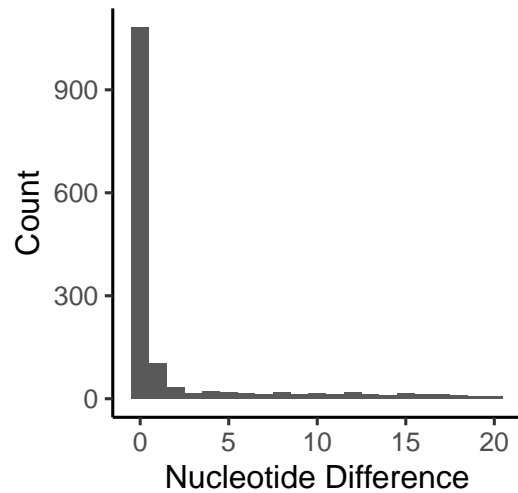
IGHV5-51*01

2832 sequences assigned
2015 (71.2%) exact matches, in which:
2001 unique CDR3
7 unique J



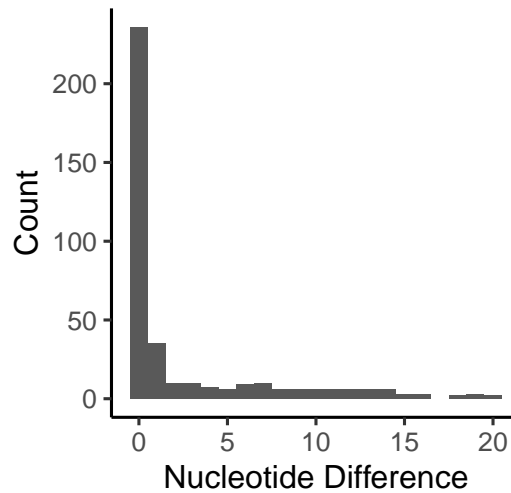
IGHV4-59*01

1538 sequences assigned
1083 (70.4%) exact matches, in which:
1080 unique CDR3
7 unique J



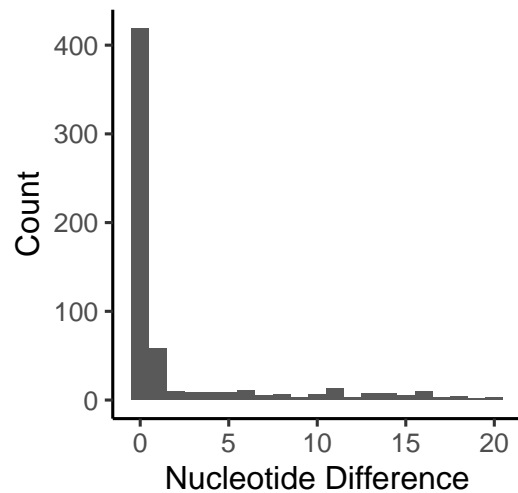
IGHV6-1*01

385 sequences assigned
236 (61.3%) exact matches, in which:
235 unique CDR3
7 unique J

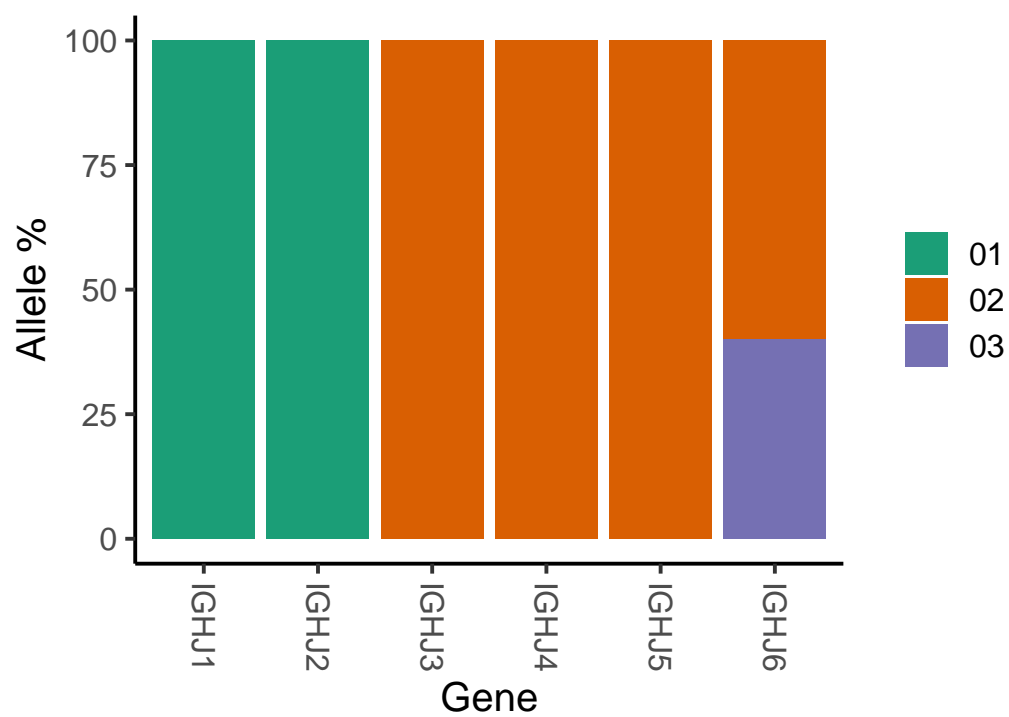


IGHV4-61*01

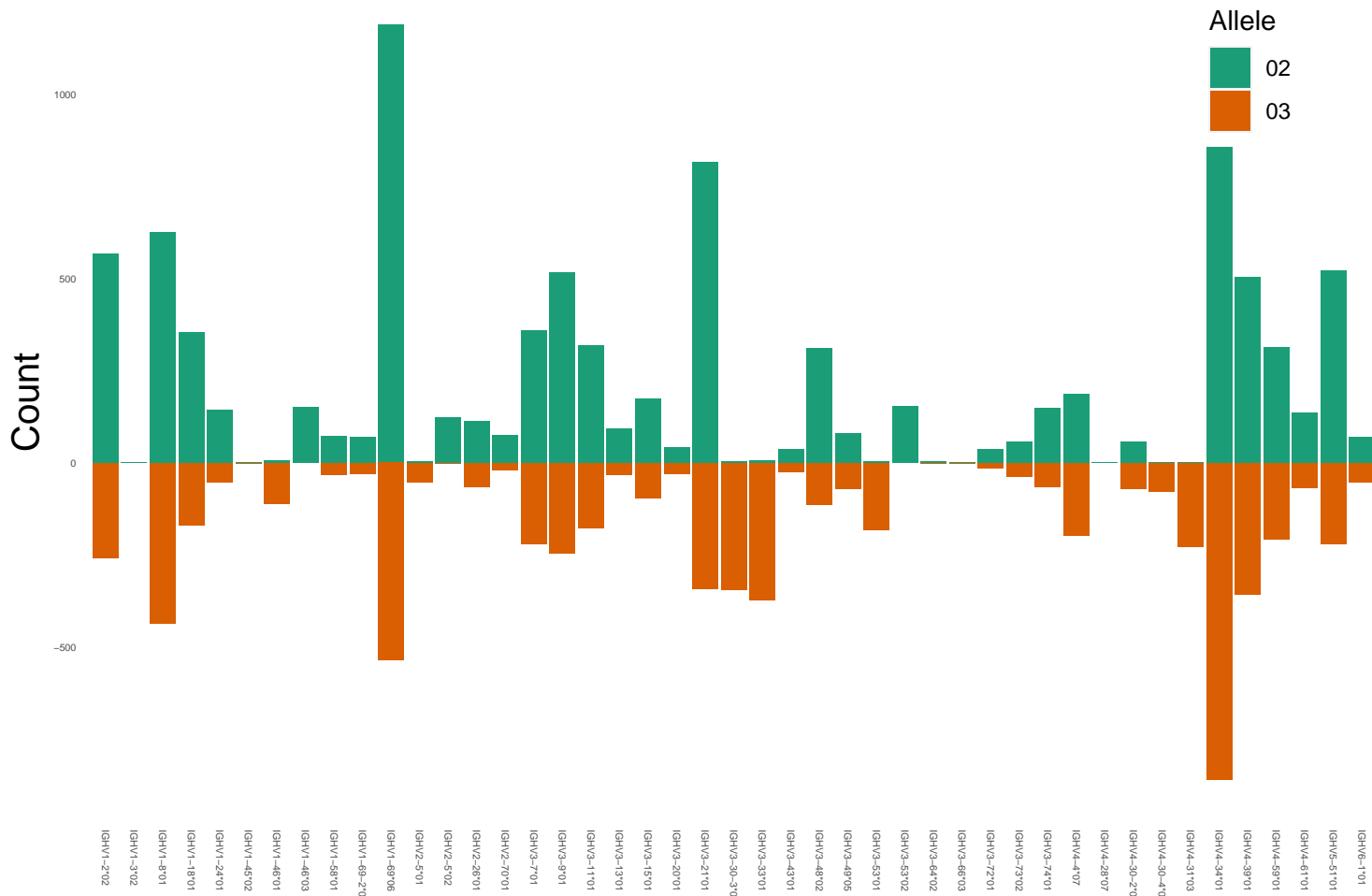
651 sequences assigned
419 (64.4%) exact matches, in which:
419 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.