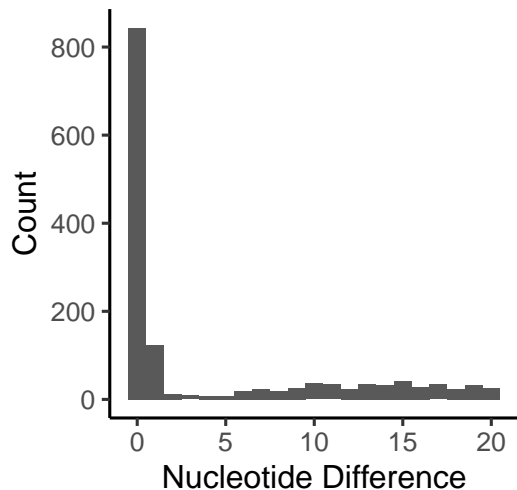


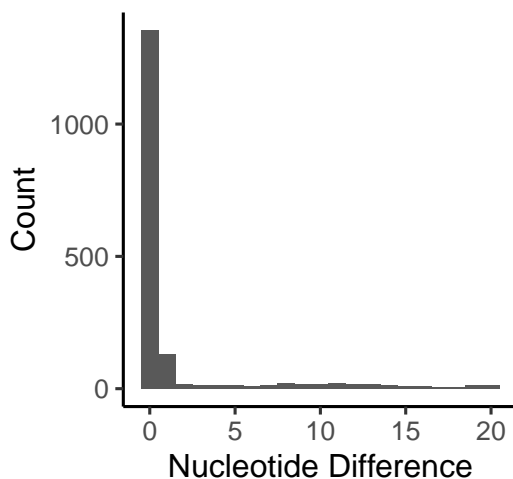
IGHV1-2*02

1706 sequences assigned
844 (49.5%) exact matches, in which:
839 unique CDR3
6 unique J



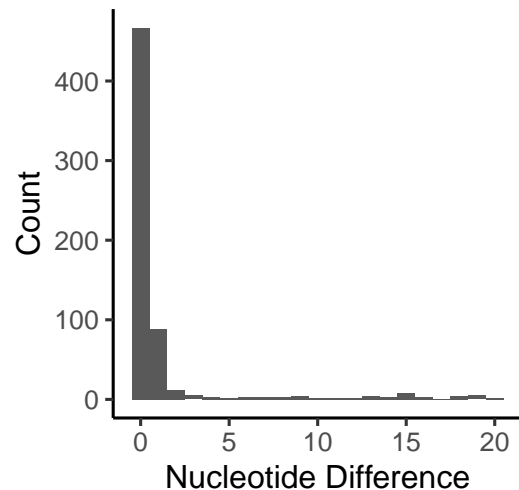
IGHV1-8*01

1841 sequences assigned
1354 (73.5%) exact matches, in which:
1345 unique CDR3
7 unique J



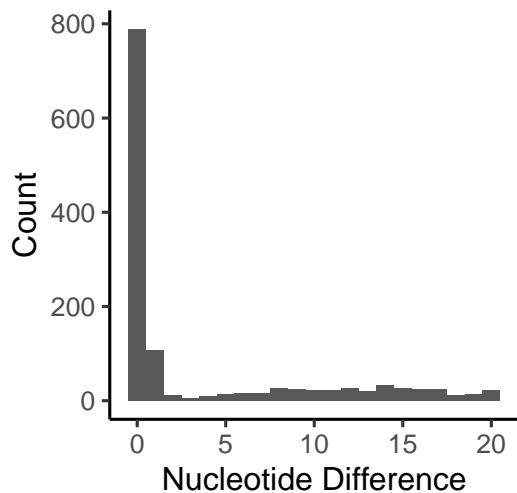
IGHV1-24*01

673 sequences assigned
467 (69.4%) exact matches, in which:
463 unique CDR3
7 unique J



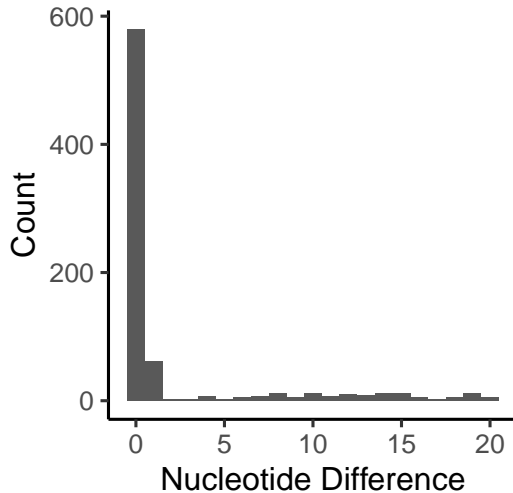
IGHV1-2*06

1509 sequences assigned
789 (52.3%) exact matches, in which:
784 unique CDR3
6 unique J



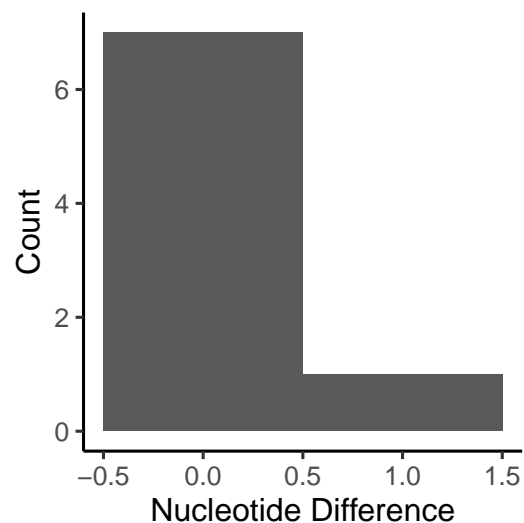
IGHV1-18*01

875 sequences assigned
580 (66.3%) exact matches, in which:
579 unique CDR3
7 unique J



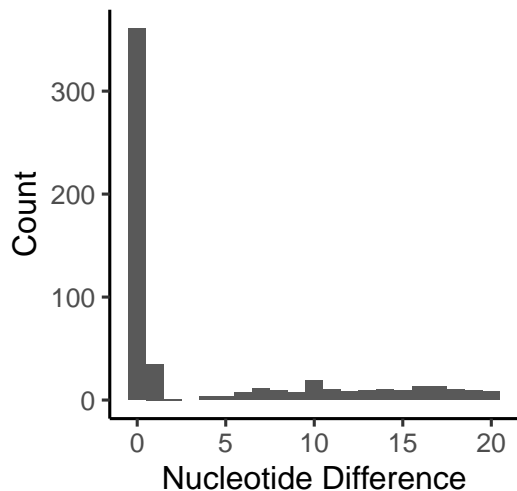
IGHV1-45*02

11 sequences assigned
7 (63.6%) exact matches, in which:
7 unique CDR3
3 unique J



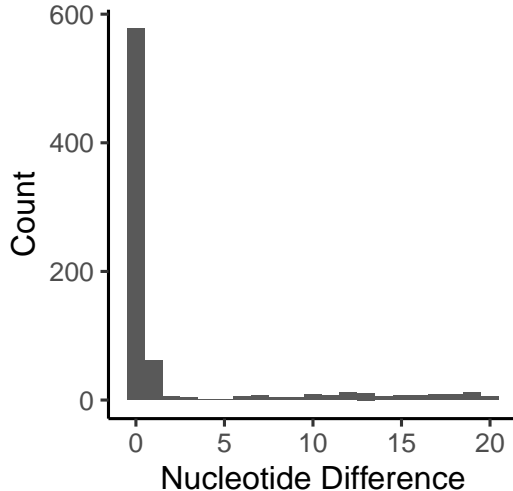
IGHV1-3*01

631 sequences assigned
361 (57.2%) exact matches, in which:
360 unique CDR3
6 unique J



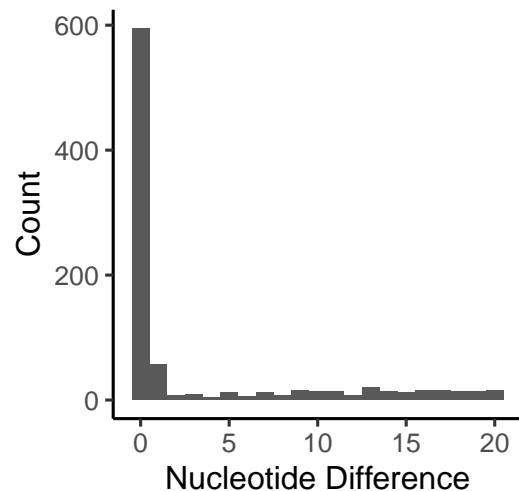
IGHV1-18*01_A196G

879 sequences assigned
578 (65.8%) exact matches, in which:
574 unique CDR3
6 unique J



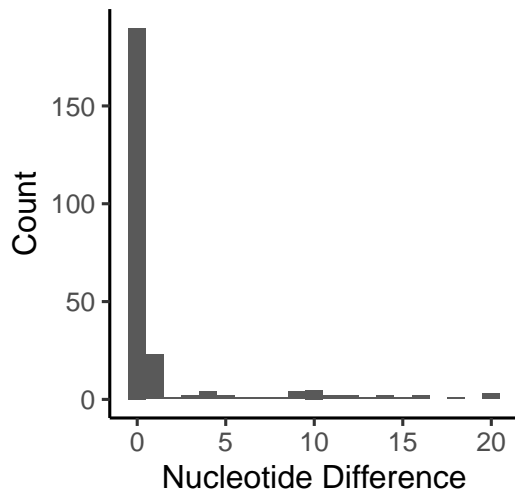
IGHV1-46*01

983 sequences assigned
595 (60.5%) exact matches, in which:
590 unique CDR3
7 unique J



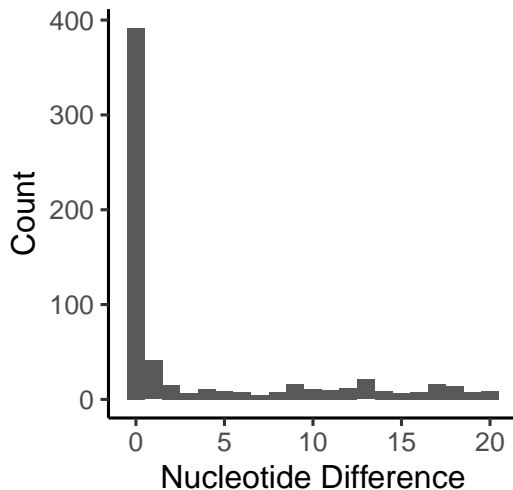
IGHV1–58*01

289 sequences assigned
190 (65.7%) exact matches, in which:
190 unique CDR3
7 unique J



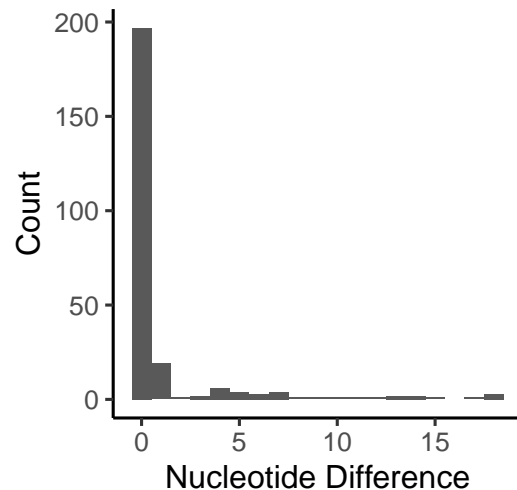
IGHV2–5*01

676 sequences assigned
392 (58%) exact matches, in which:
389 unique CDR3
6 unique J



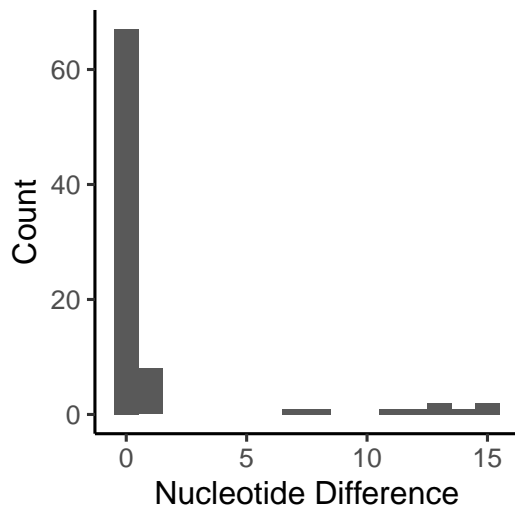
IGHV2–70*01

267 sequences assigned
197 (73.8%) exact matches, in which:
197 unique CDR3
6 unique J



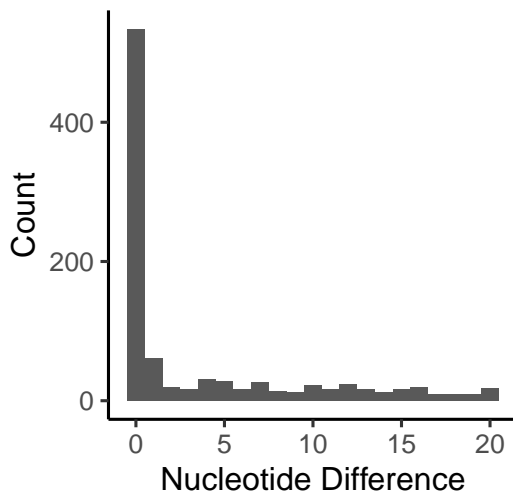
IGHV1–69–2*01

93 sequences assigned
67 (72%) exact matches, in which:
67 unique CDR3
6 unique J



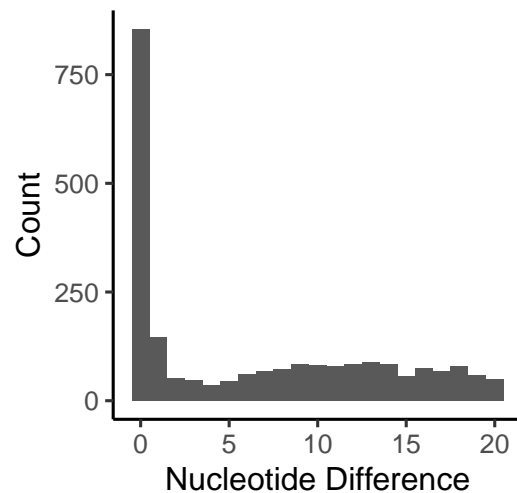
IGHV2–5*02

1092 sequences assigned
534 (48.9%) exact matches, in which:
528 unique CDR3
6 unique J



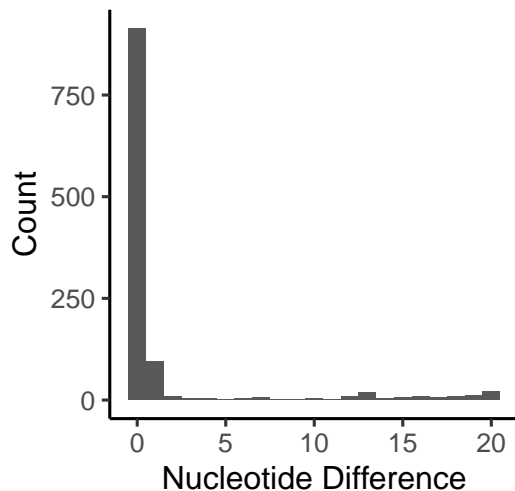
IGHV3–7*01

2584 sequences assigned
855 (33.1%) exact matches, in which:
853 unique CDR3
7 unique J



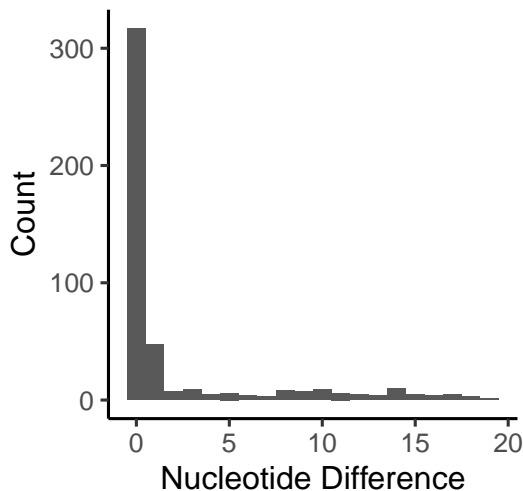
IGHV1–69*06

1334 sequences assigned
914 (68.5%) exact matches, in which:
902 unique CDR3
7 unique J



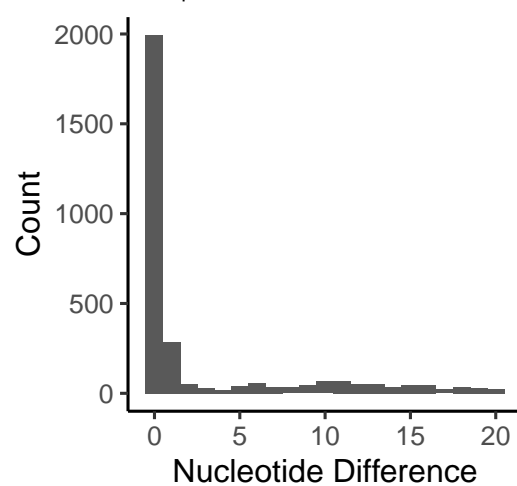
IGHV2–26*01

486 sequences assigned
317 (65.2%) exact matches, in which:
317 unique CDR3
7 unique J



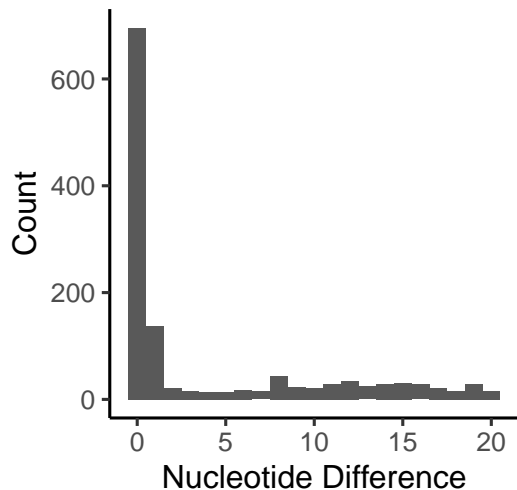
IGHV3–9*01

3291 sequences assigned
1994 (60.6%) exact matches, in which:
1980 unique CDR3
7 unique J



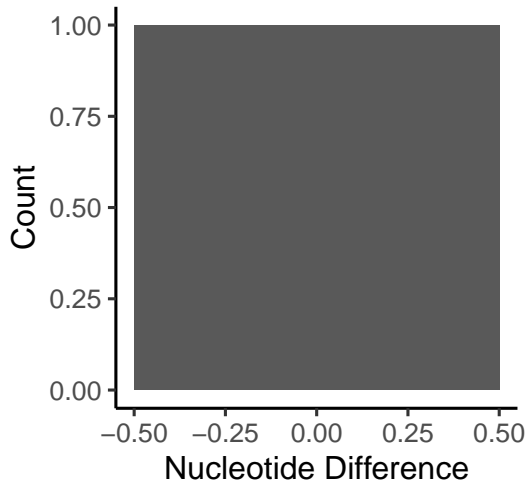
IGHV3-11*01

1388 sequences assigned
696 (50.1%) exact matches, in which:
692 unique CDR3
7 unique J



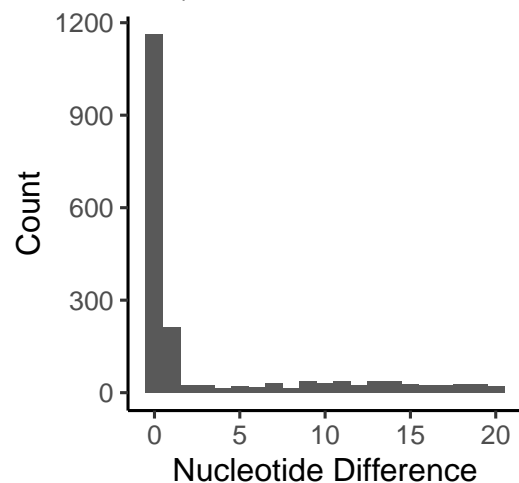
IGHV3-19*01

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



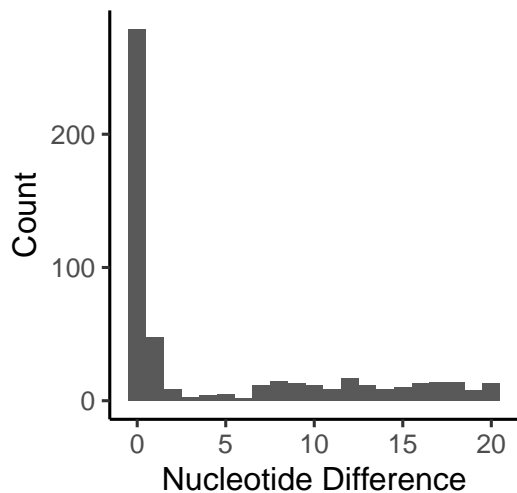
IGHV3-30-3*01

2121 sequences assigned
1162 (54.8%) exact matches, in which:
1152 unique CDR3
7 unique J



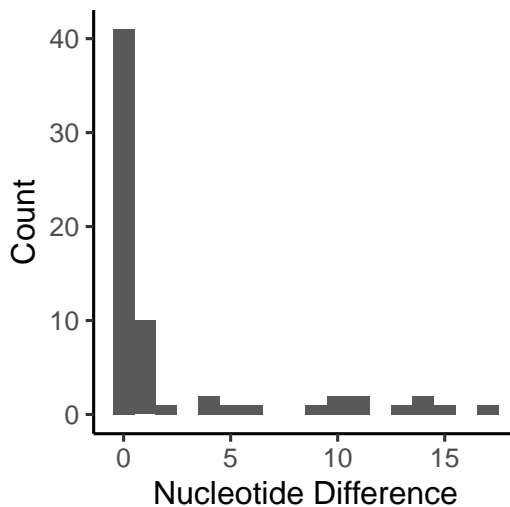
IGHV3-13*01

585 sequences assigned
279 (47.7%) exact matches, in which:
278 unique CDR3
7 unique J



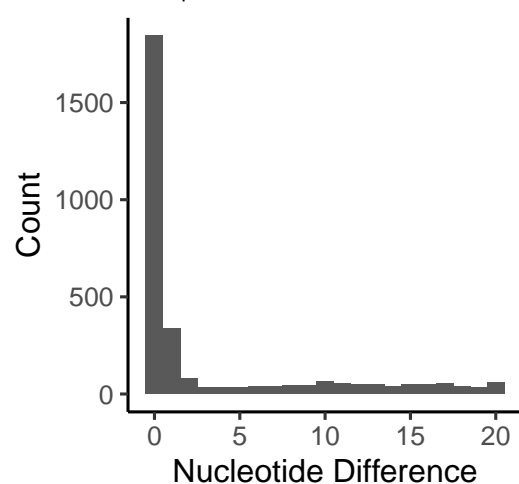
IGHV3-20*01

74 sequences assigned
41 (55.4%) exact matches, in which:
40 unique CDR3
5 unique J



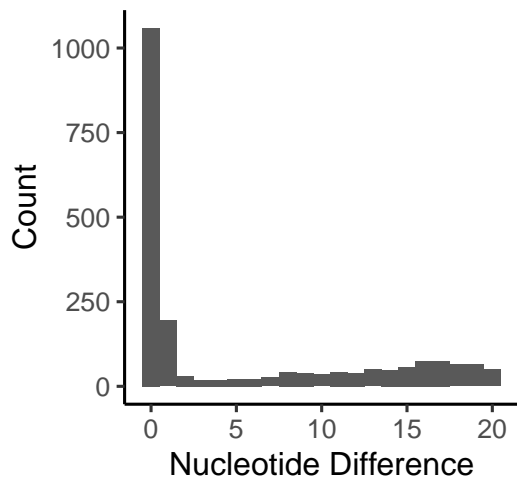
IGHV3-33*01

3359 sequences assigned
1844 (54.9%) exact matches, in which:
1831 unique CDR3
7 unique J



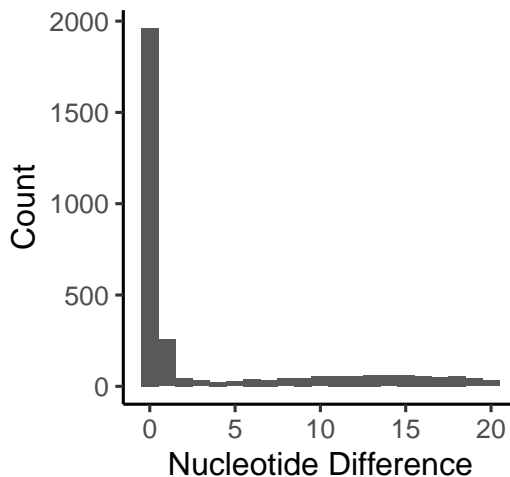
IGHV3-15*01

2443 sequences assigned
1059 (43.3%) exact matches, in which:
1057 unique CDR3
7 unique J



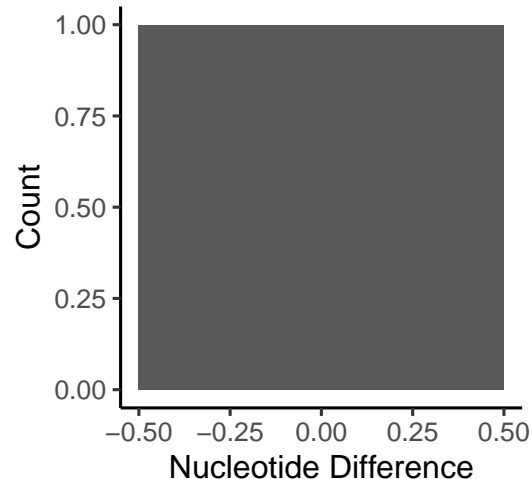
IGHV3-21*01

3393 sequences assigned
1962 (57.8%) exact matches, in which:
1954 unique CDR3
7 unique J



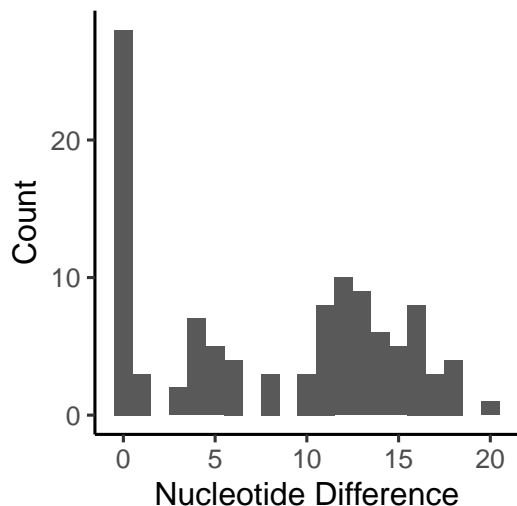
IGHV3-35*01

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



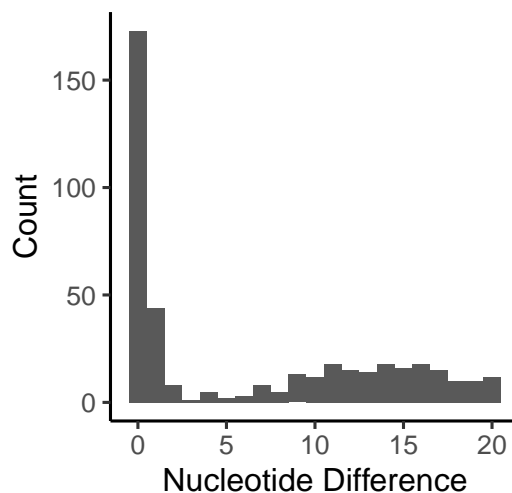
IGHV3-43*01_T177A

120 sequences assigned
28 (23.3%) exact matches, in which:
28 unique CDR3
4 unique J



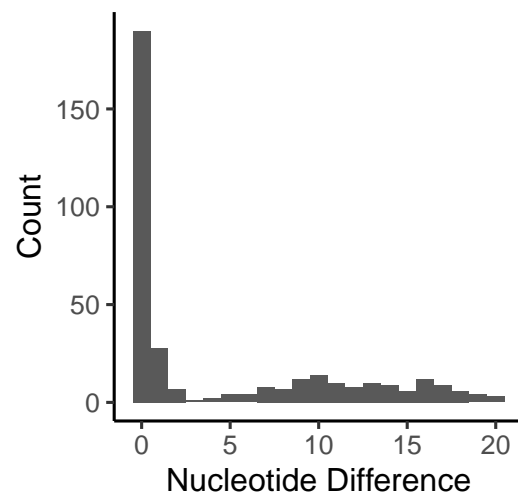
IGHV3-49*04

497 sequences assigned
173 (34.8%) exact matches, in which:
172 unique CDR3
6 unique J



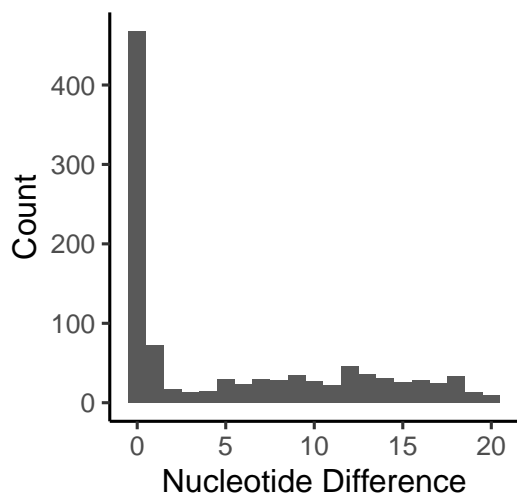
IGHV3-53*02

410 sequences assigned
190 (46.3%) exact matches, in which:
189 unique CDR3
6 unique J



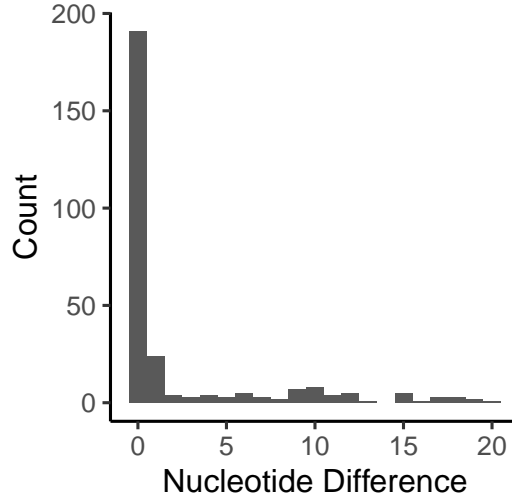
IGHV3-48*02

1133 sequences assigned
468 (41.3%) exact matches, in which:
467 unique CDR3
6 unique J



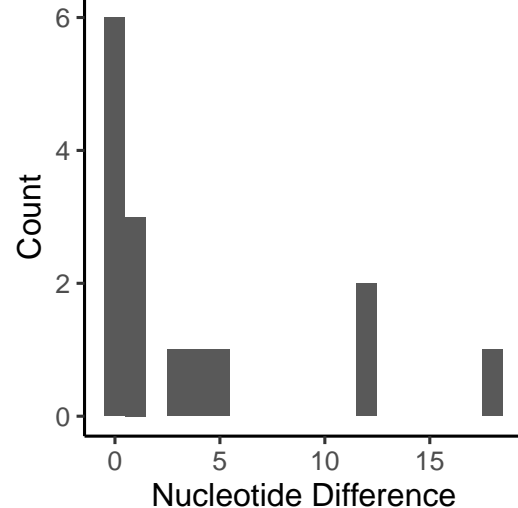
IGHV3-49*05

316 sequences assigned
191 (60.4%) exact matches, in which:
189 unique CDR3
6 unique J



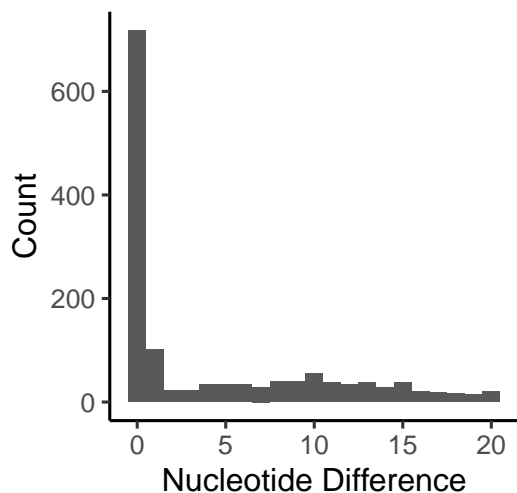
IGHV3-64*02

20 sequences assigned
6 (30%) exact matches, in which:
6 unique CDR3
3 unique J



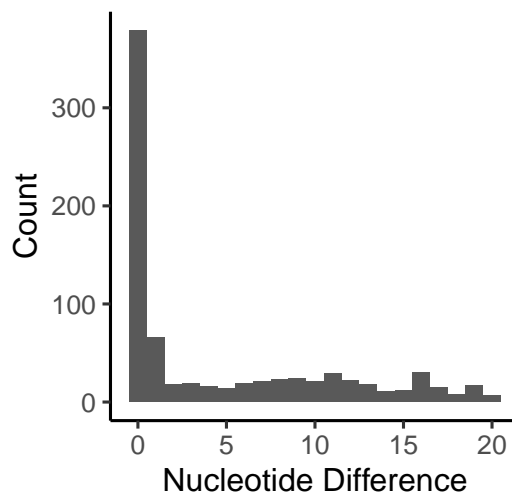
IGHV3-48*03

1534 sequences assigned
718 (46.8%) exact matches, in which:
714 unique CDR3
6 unique J



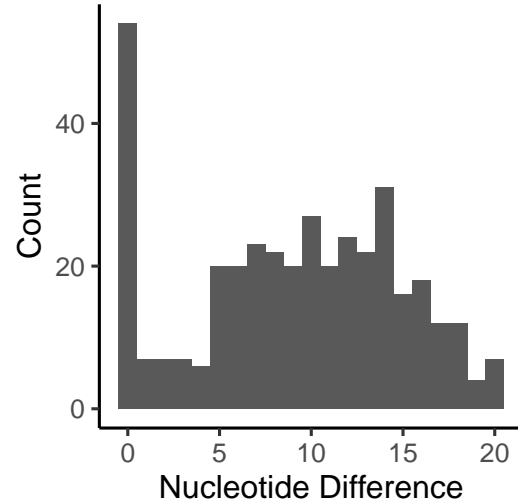
IGHV3-53*01

907 sequences assigned
379 (41.8%) exact matches, in which:
378 unique CDR3
7 unique J



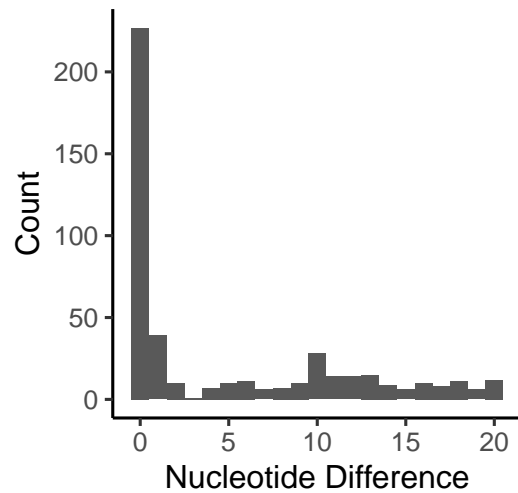
IGHV3-72*01

407 sequences assigned
54 (13.3%) exact matches, in which:
54 unique CDR3
7 unique J



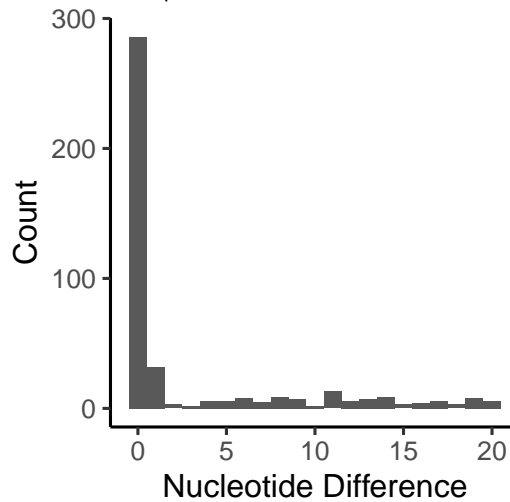
IGHV3-73*02

499 sequences assigned
227 (45.5%) exact matches, in which:
226 unique CDR3
7 unique J



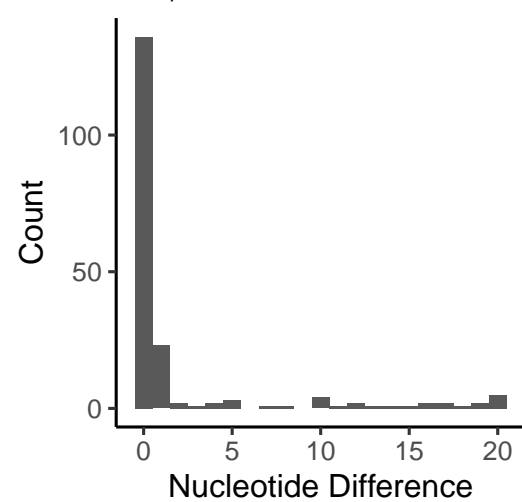
IGHV4-4*02

499 sequences assigned
286 (57.3%) exact matches, in which:
285 unique CDR3
6 unique J



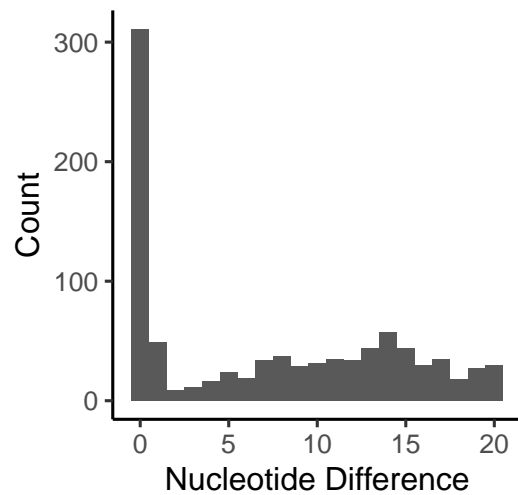
IGHV4-30-2*01

218 sequences assigned
136 (62.4%) exact matches, in which:
134 unique CDR3
5 unique J



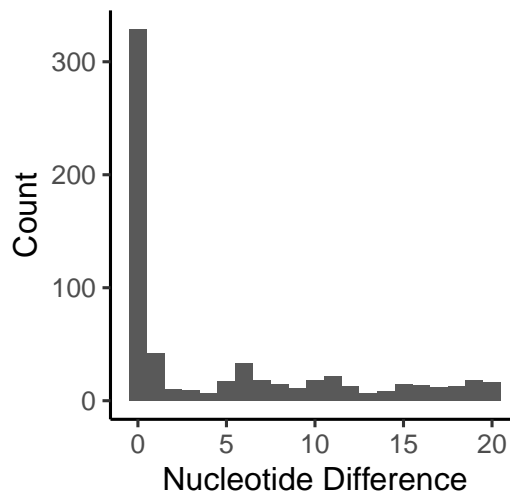
IGHV3-74*01

1088 sequences assigned
311 (28.6%) exact matches, in which:
311 unique CDR3
7 unique J



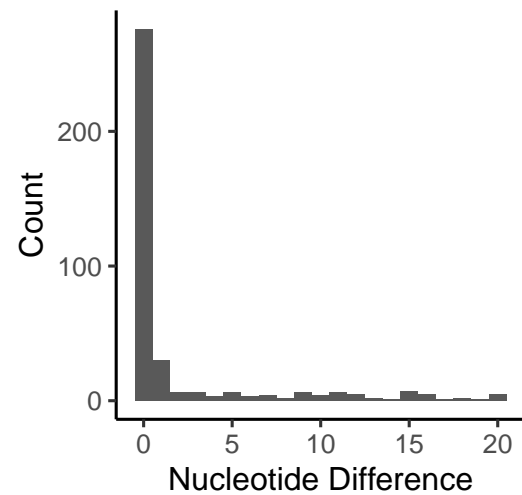
IGHV4-4*07

733 sequences assigned
329 (44.9%) exact matches, in which:
328 unique CDR3
6 unique J



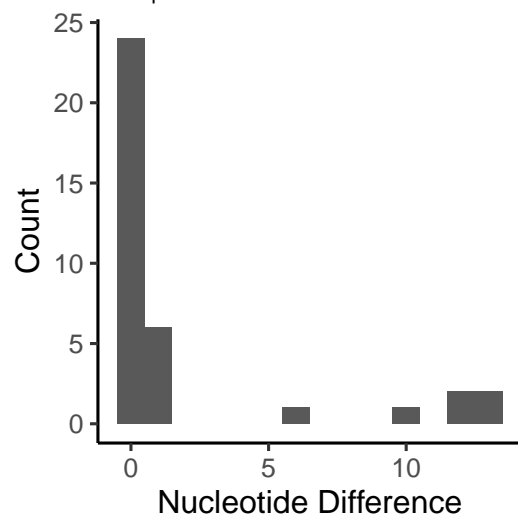
IGHV4-30-4*01

425 sequences assigned
276 (64.9%) exact matches, in which:
274 unique CDR3
7 unique J



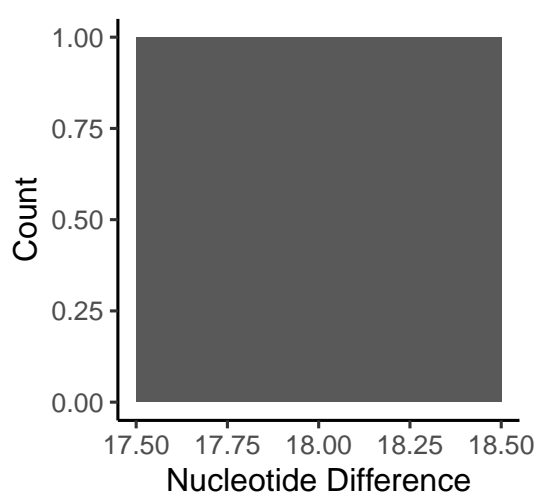
IGHV3-43D*04

48 sequences assigned
24 (50%) exact matches, in which:
24 unique CDR3
6 unique J



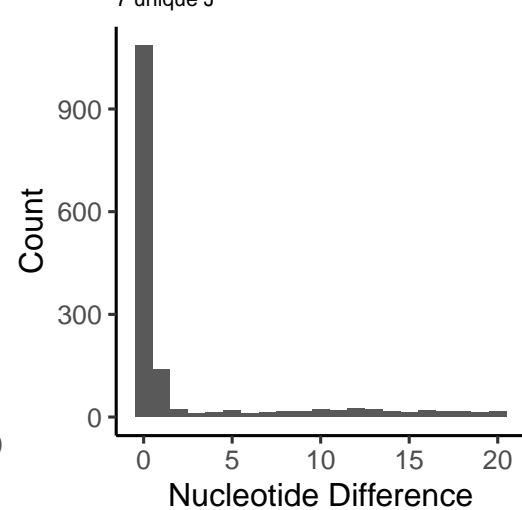
IGHV4-28*01

1 sequences assigned
No exact matches.



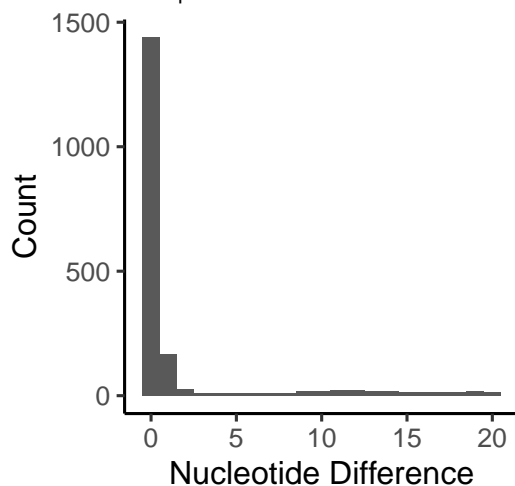
IGHV4-31*03

1788 sequences assigned
1086 (60.7%) exact matches, in which:
1078 unique CDR3
7 unique J



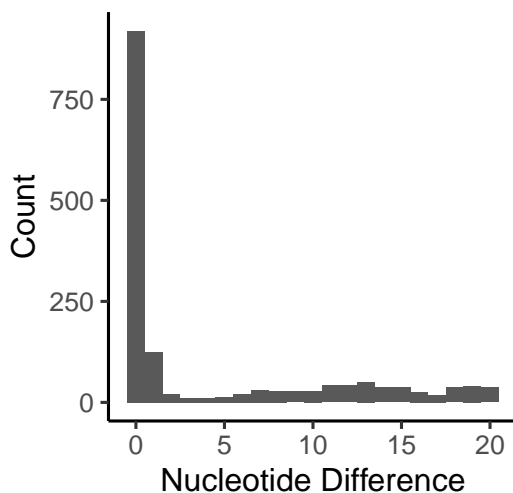
IGHV4-34*01

2076 sequences assigned
1439 (69.3%) exact matches, in which:
1431 unique CDR3
7 unique J



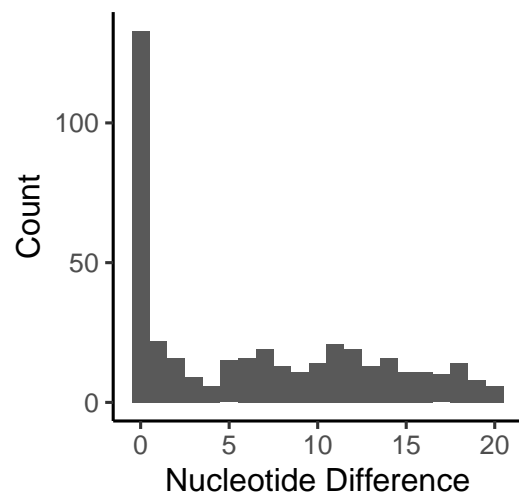
IGHV4-59*01

1922 sequences assigned
920 (47.9%) exact matches, in which:
918 unique CDR3
7 unique J



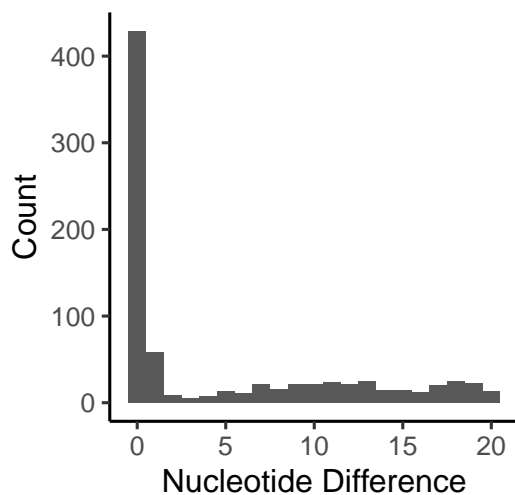
IGHV6-1*01

435 sequences assigned
133 (30.6%) exact matches, in which:
131 unique CDR3
6 unique J



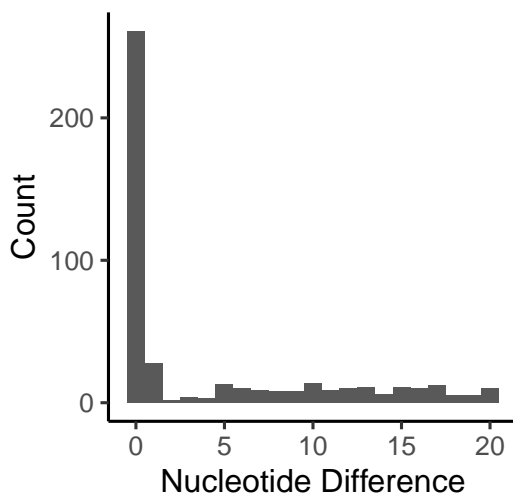
IGHV4-38-2*02_A70G

951 sequences assigned
429 (45.1%) exact matches, in which:
423 unique CDR3
6 unique J



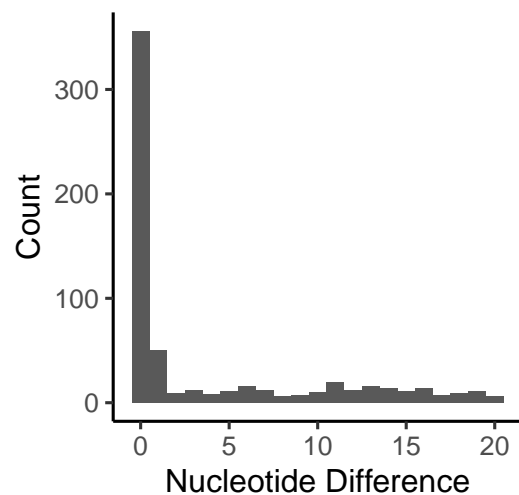
IGHV4-61*01

541 sequences assigned
261 (48.2%) exact matches, in which:
261 unique CDR3
7 unique J



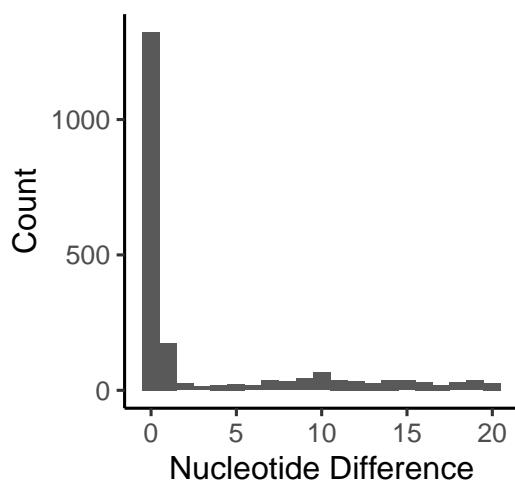
IGHV7-4-1*02

673 sequences assigned
356 (52.9%) exact matches, in which:
355 unique CDR3
7 unique J



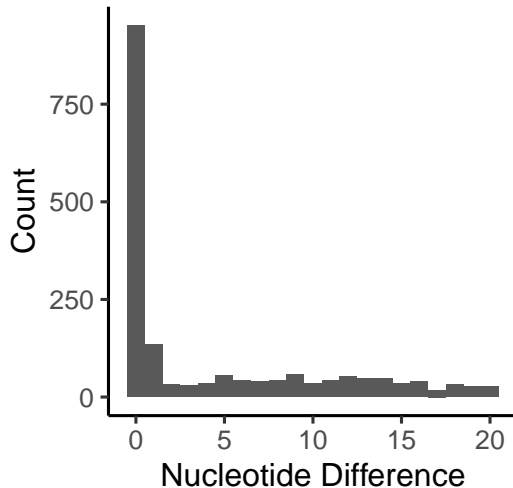
IGHV4-39*01

2451 sequences assigned
1323 (54%) exact matches, in which:
1317 unique CDR3
7 unique J

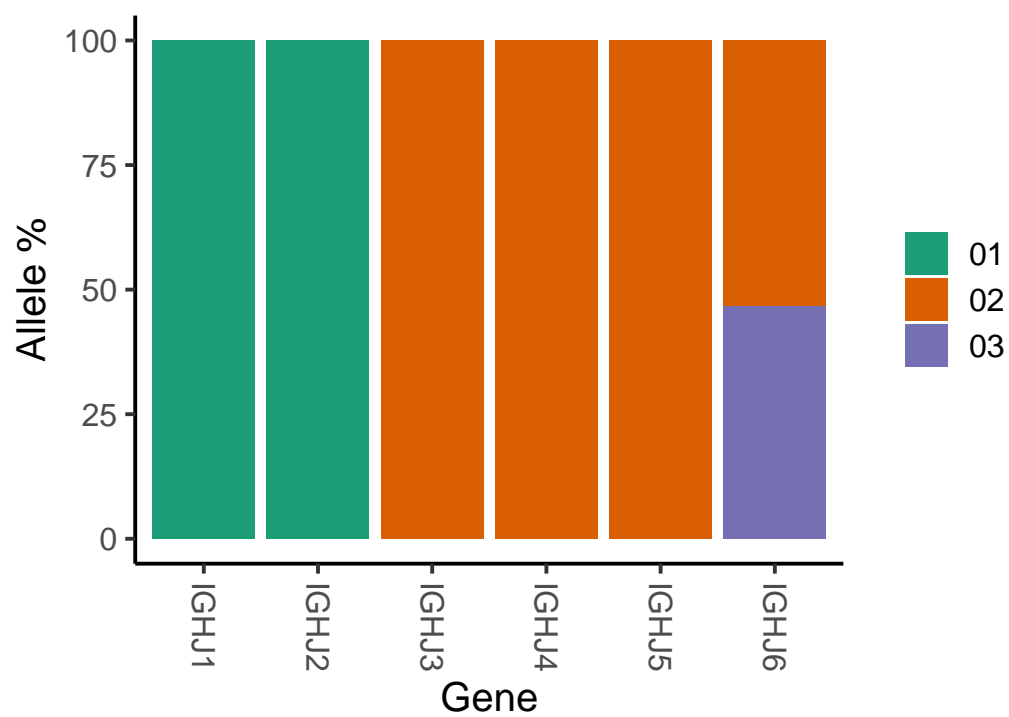


IGHV5-51*01

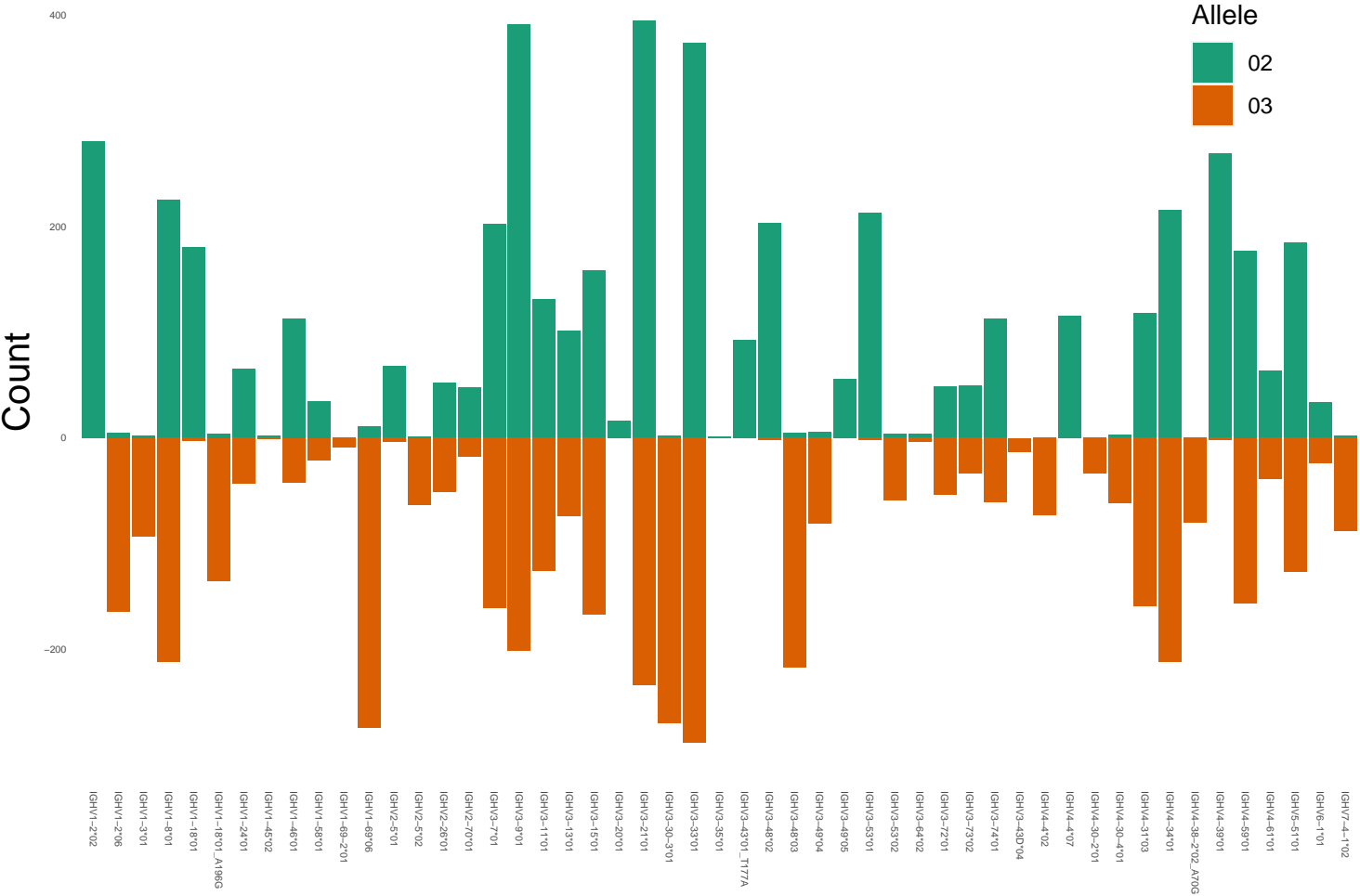
2009 sequences assigned
952 (47.4%) exact matches, in which:
945 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.