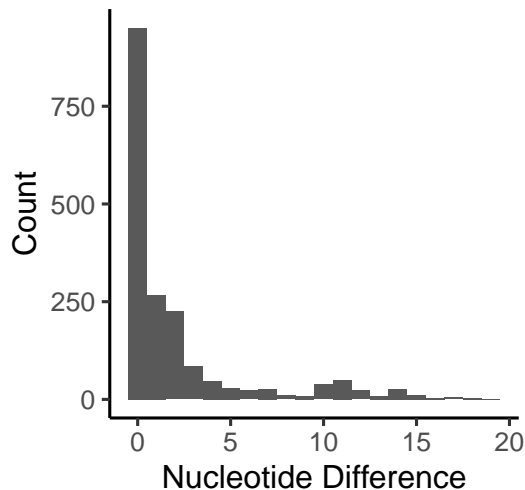


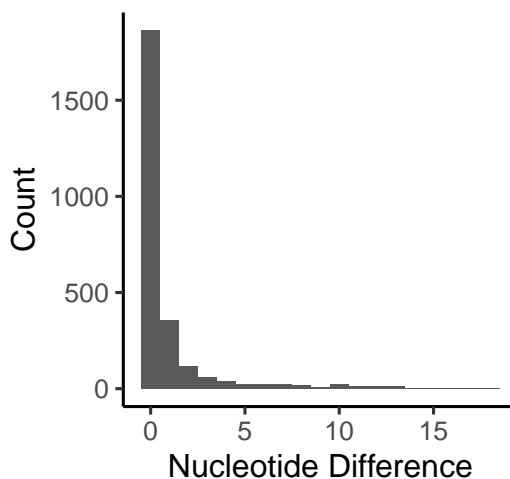
IGHV1-2*02

1846 sequences assigned
951 (51.5%) exact matches, in which:
899 unique CDR3
7 unique J



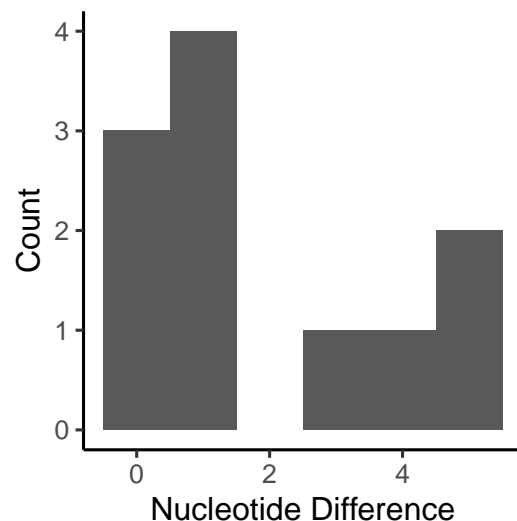
IGHV1-18*01

2612 sequences assigned
1863 (71.3%) exact matches, in which:
1772 unique CDR3
7 unique J



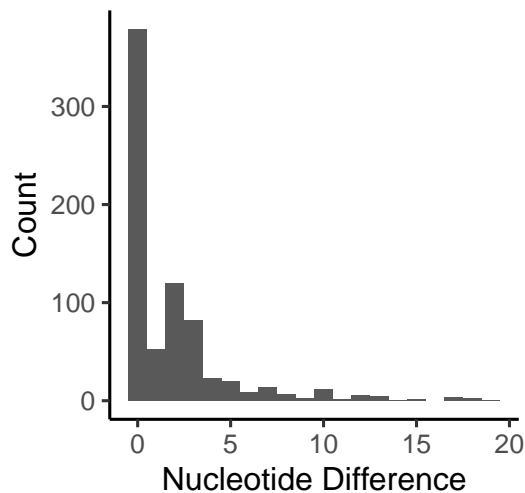
IGHV1-45*02

11 sequences assigned
3 (27.3%) exact matches, in which:
3 unique CDR3
3 unique J



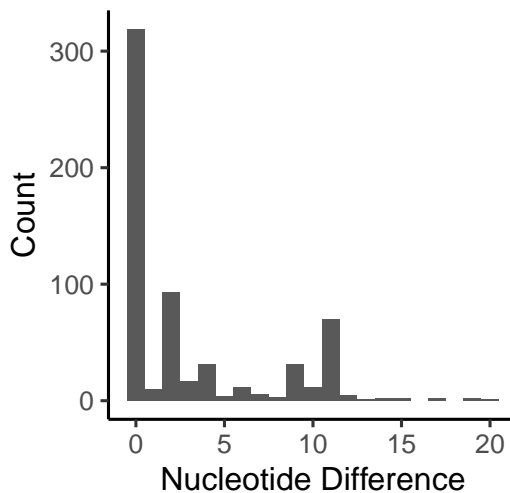
IGHV1-3*01

749 sequences assigned
379 (50.6%) exact matches, in which:
349 unique CDR3
7 unique J



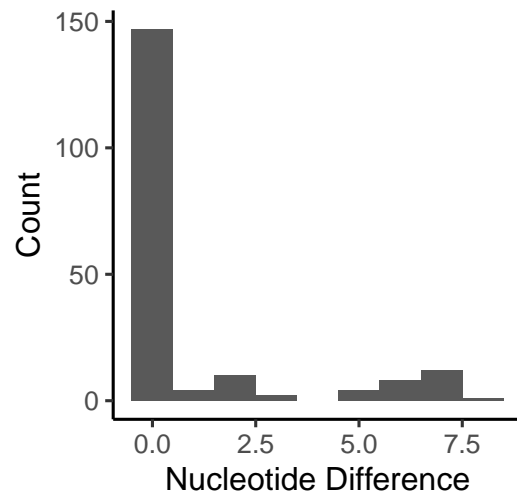
IGHV1-18*01_T6G_A24C

629 sequences assigned
319 (50.7%) exact matches, in which:
319 unique CDR3
7 unique J



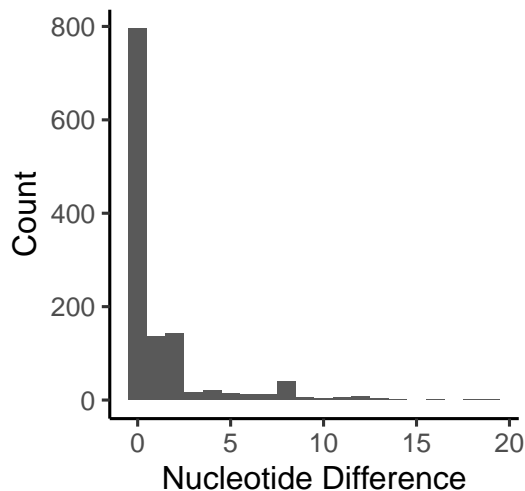
IGHV1-46*01

188 sequences assigned
147 (78.2%) exact matches, in which:
147 unique CDR3
7 unique J



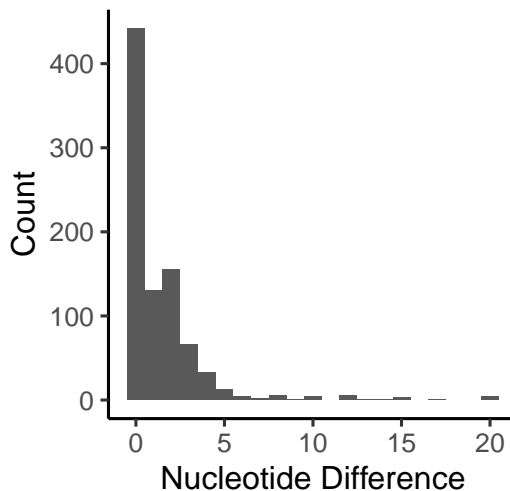
IGHV1-8*01

1222 sequences assigned
796 (65.1%) exact matches, in which:
778 unique CDR3
7 unique J



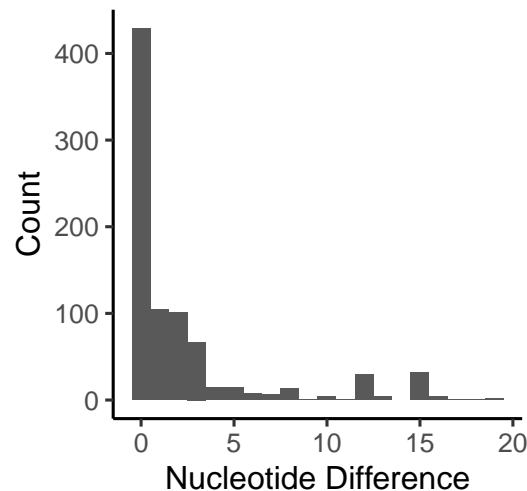
IGHV1-24*01

878 sequences assigned
442 (50.3%) exact matches, in which:
391 unique CDR3
7 unique J



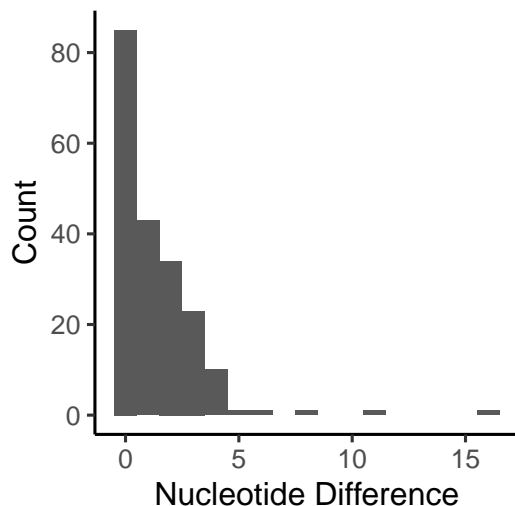
IGHV1-46*03

838 sequences assigned
429 (51.2%) exact matches, in which:
403 unique CDR3
7 unique J



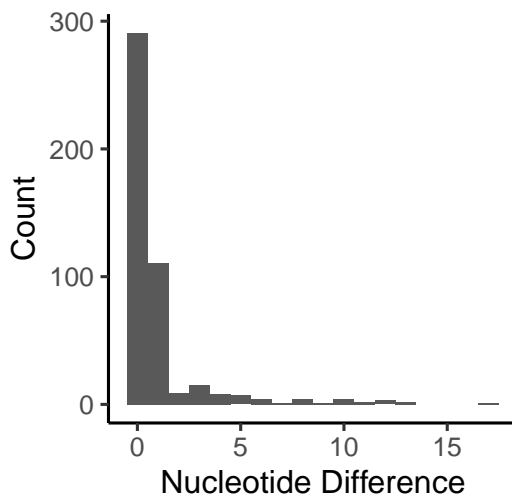
IGHV1-58*02

201 sequences assigned
85 (42.3%) exact matches, in which:
64 unique CDR3
6 unique J



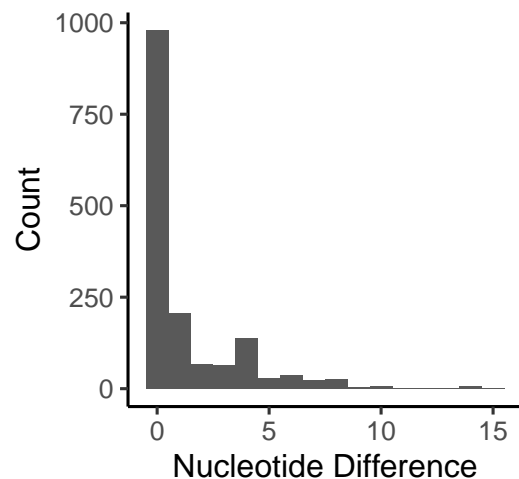
IGHV2-26*01

464 sequences assigned
291 (62.7%) exact matches, in which:
285 unique CDR3
7 unique J



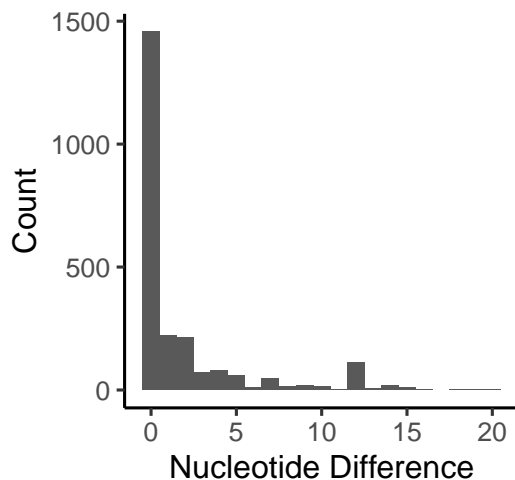
IGHV3-11*01

1601 sequences assigned
979 (61.1%) exact matches, in which:
838 unique CDR3
7 unique J



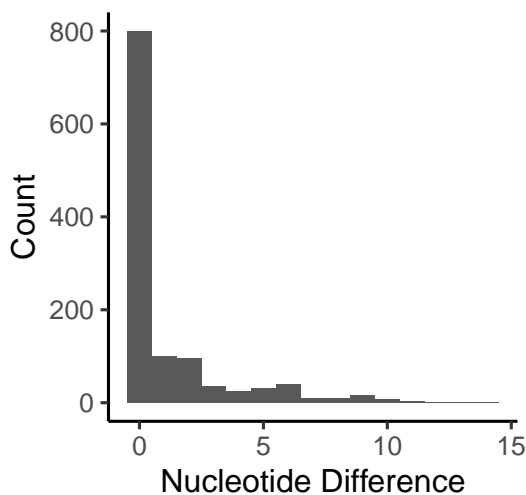
IGHV1-69*08_C191T

2363 sequences assigned
1457 (61.7%) exact matches, in which:
1319 unique CDR3
7 unique J



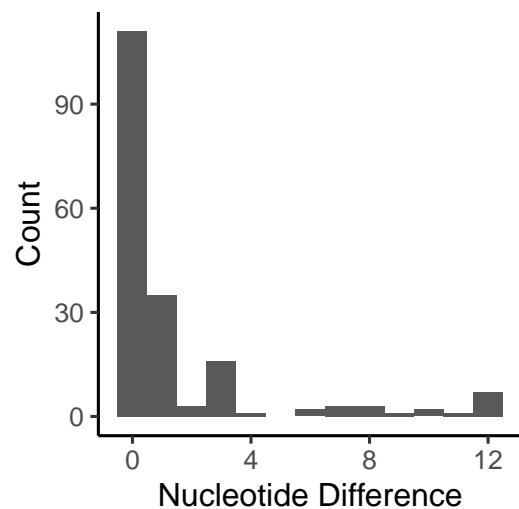
IGHV3-7*01

1181 sequences assigned
800 (67.7%) exact matches, in which:
769 unique CDR3
7 unique J



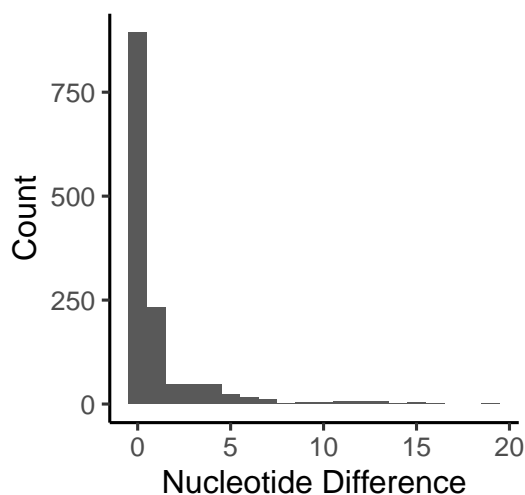
IGHV3-13*01

185 sequences assigned
111 (60%) exact matches, in which:
100 unique CDR3
6 unique J



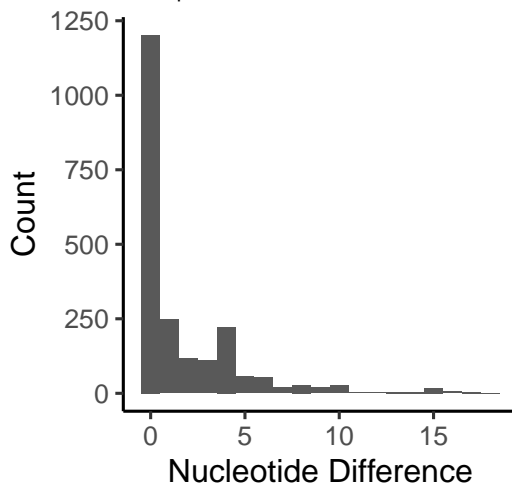
IGHV2-5*02

1346 sequences assigned
894 (66.4%) exact matches, in which:
856 unique CDR3
7 unique J



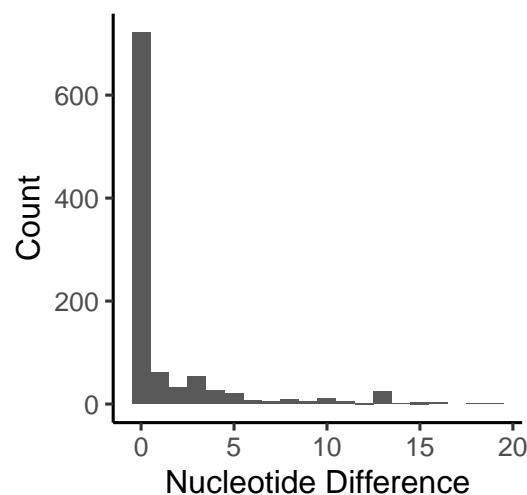
IGHV3-9*01

2148 sequences assigned
1202 (56%) exact matches, in which:
1093 unique CDR3
7 unique J



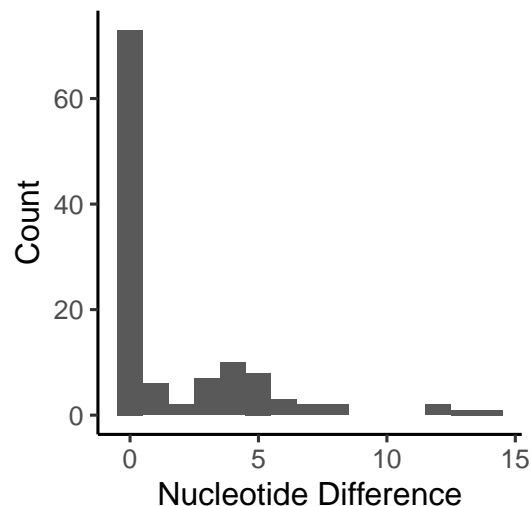
IGHV3-15*01

992 sequences assigned
722 (72.8%) exact matches, in which:
691 unique CDR3
7 unique J



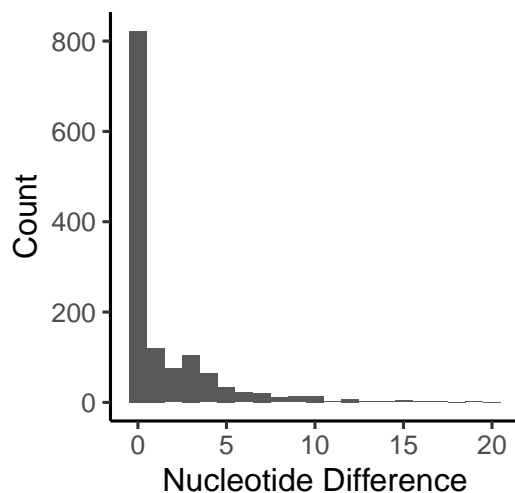
IGHV3-20*01

117 sequences assigned
73 (62.4%) exact matches, in which:
70 unique CDR3
6 unique J



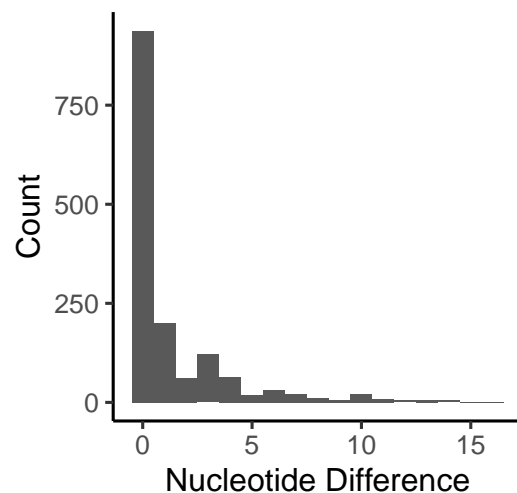
IGHV3-30-3*01

1338 sequences assigned
823 (61.5%) exact matches, in which:
710 unique CDR3
7 unique J



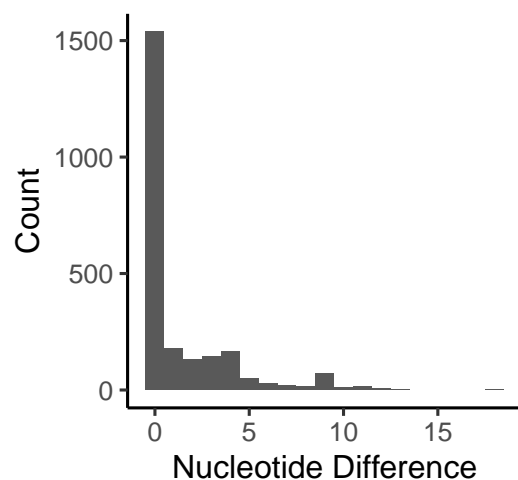
IGHV3-48*01

1524 sequences assigned
938 (61.5%) exact matches, in which:
880 unique CDR3
7 unique J



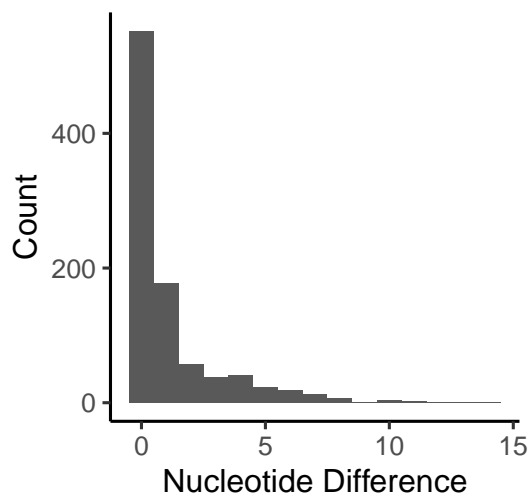
IGHV3-21*01

2383 sequences assigned
1538 (64.5%) exact matches, in which:
1443 unique CDR3
7 unique J



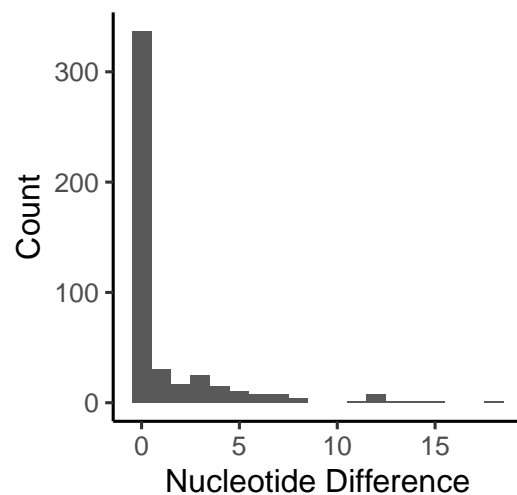
IGHV3-33*01

934 sequences assigned
552 (59.1%) exact matches, in which:
479 unique CDR3
7 unique J



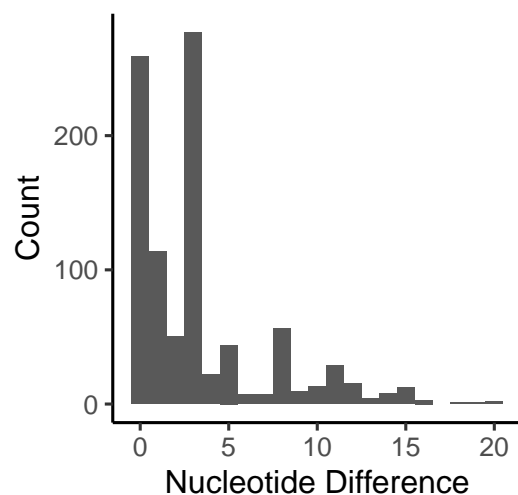
IGHV3-49*03

467 sequences assigned
337 (72.2%) exact matches, in which:
321 unique CDR3
7 unique J



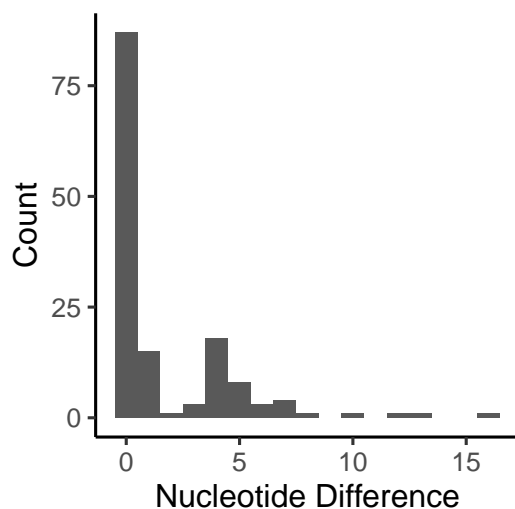
IGHV3-23*04

934 sequences assigned
259 (27.7%) exact matches, in which:
253 unique CDR3
7 unique J



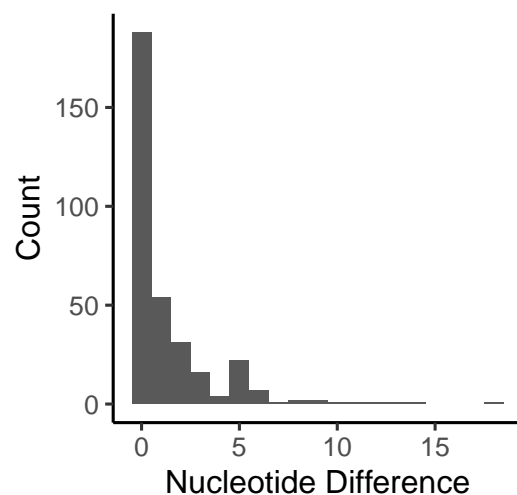
IGHV3-43*01

144 sequences assigned
87 (60.4%) exact matches, in which:
85 unique CDR3
6 unique J



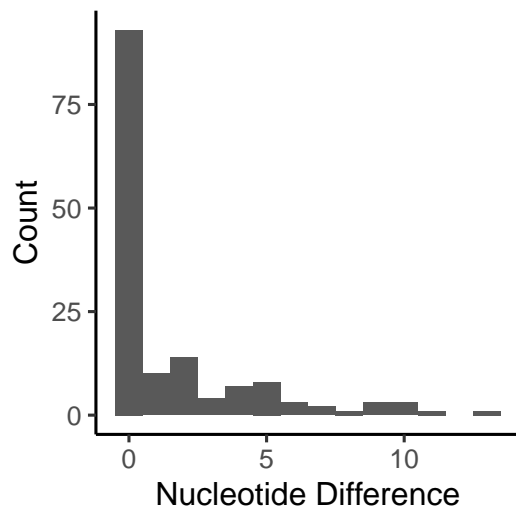
IGHV3-53*02

333 sequences assigned
188 (56.5%) exact matches, in which:
180 unique CDR3
7 unique J



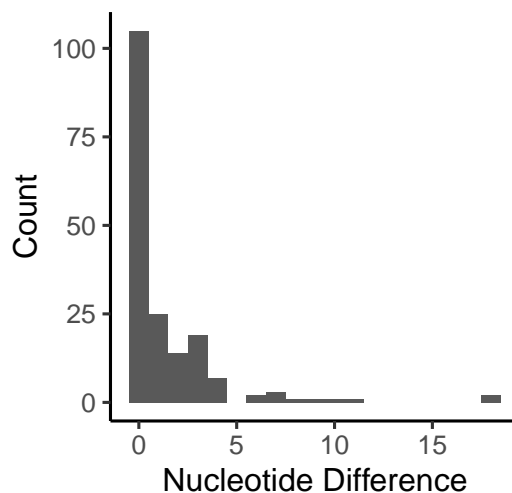
IGHV3-64*01

151 sequences assigned
93 (61.6%) exact matches, in which:
88 unique CDR3
7 unique J



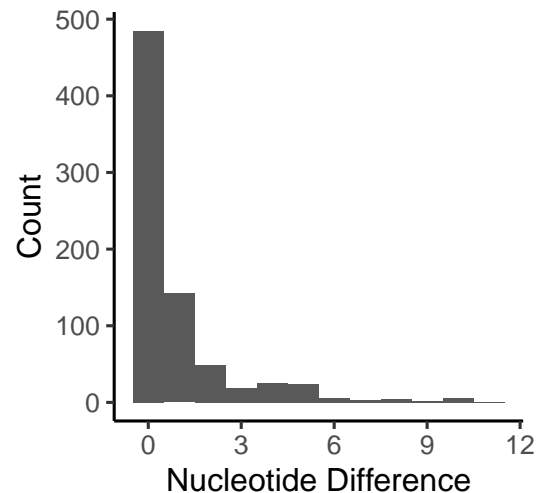
IGHV3-73*01

181 sequences assigned
105 (58%) exact matches, in which:
96 unique CDR3
6 unique J



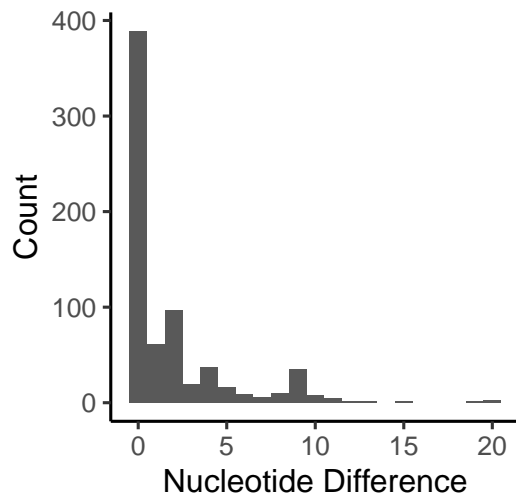
IGHV4-4*02

768 sequences assigned
485 (63.2%) exact matches, in which:
463 unique CDR3
7 unique J



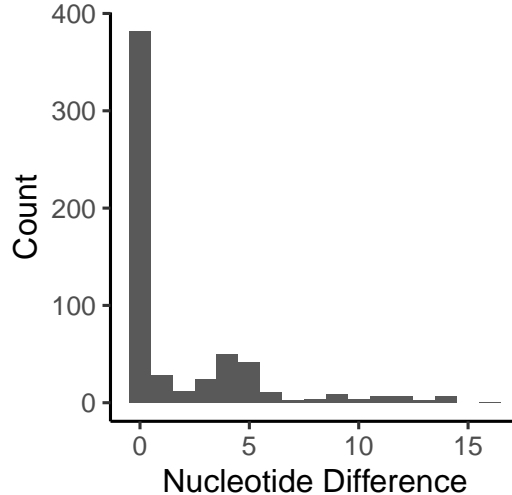
IGHV3-66*02

704 sequences assigned
389 (55.3%) exact matches, in which:
353 unique CDR3
7 unique J



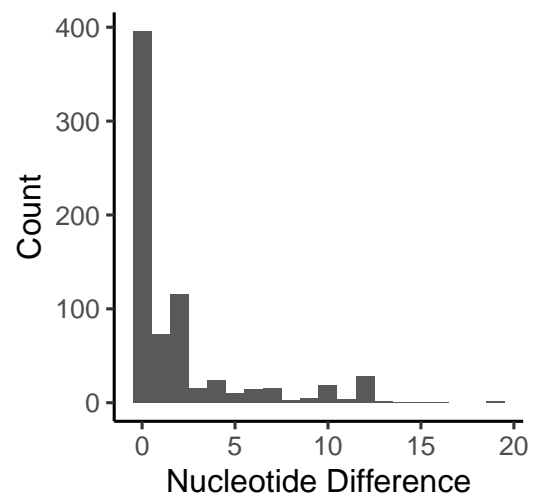
IGHV3-74*01

594 sequences assigned
382 (64.3%) exact matches, in which:
360 unique CDR3
7 unique J



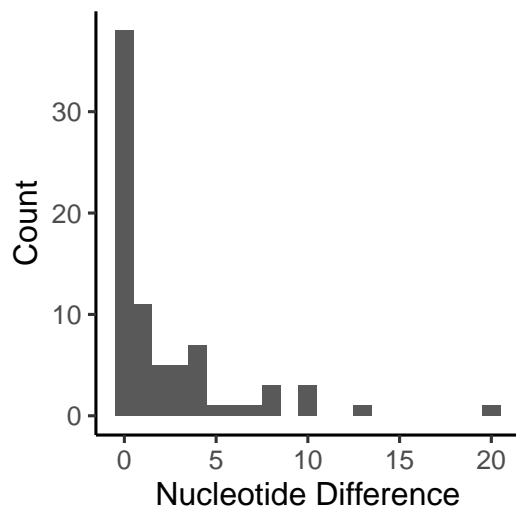
IGHV4-4*07

729 sequences assigned
396 (54.3%) exact matches, in which:
387 unique CDR3
7 unique J



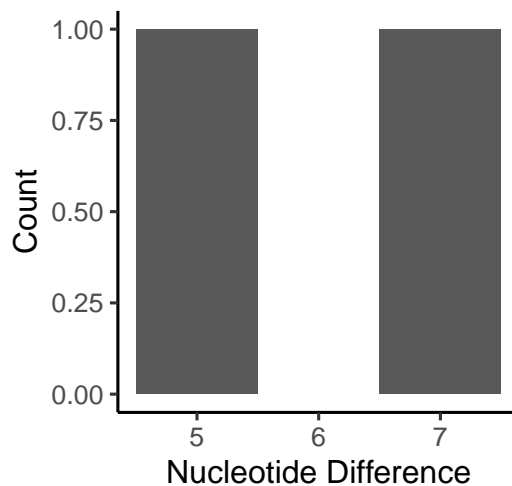
IGHV3-72*01

77 sequences assigned
38 (49.4%) exact matches, in which:
38 unique CDR3
6 unique J



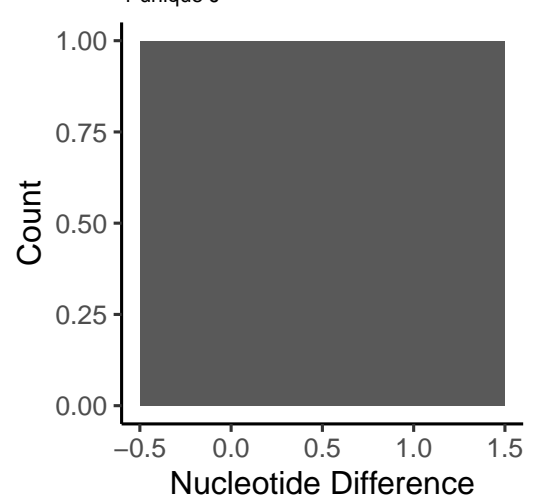
IGHV3-NL1*01

2 sequences assigned
No exact matches.



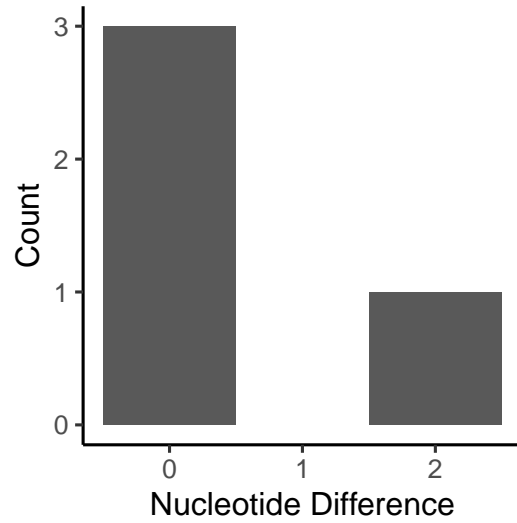
IGHV4-28*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



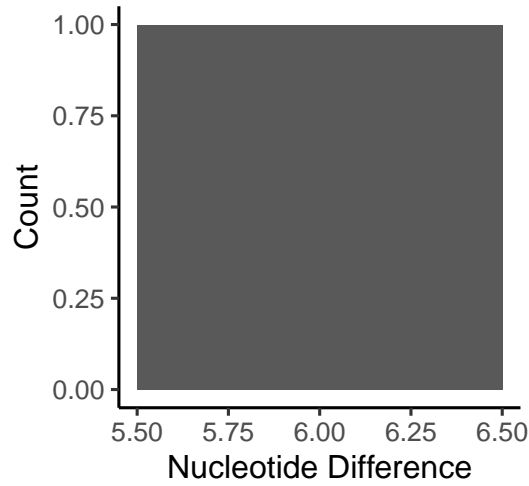
IGHV4-28*07

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



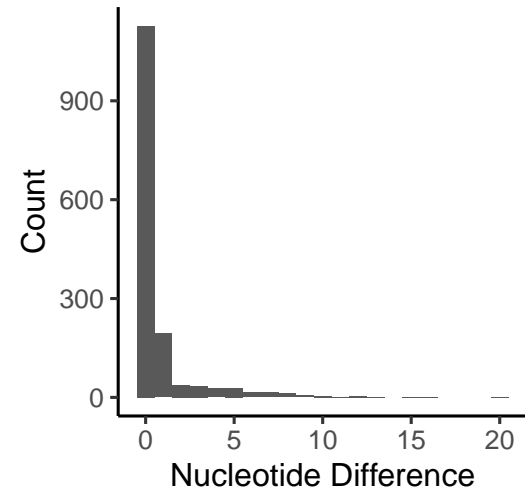
IGHV4-30-4*08

1 sequences assigned
No exact matches.



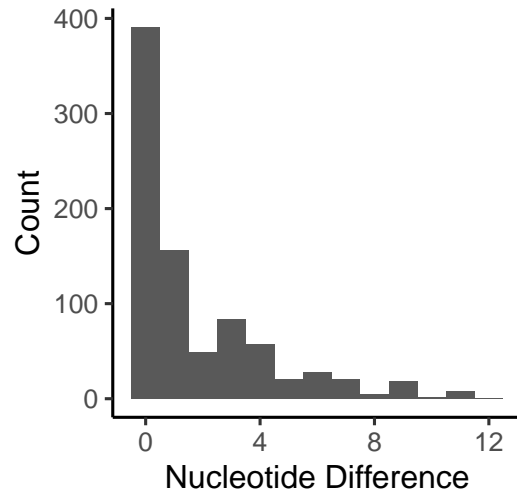
IGHV4-39*01

1516 sequences assigned
1128 (74.4%) exact matches, in which:
1089 unique CDR3
7 unique J



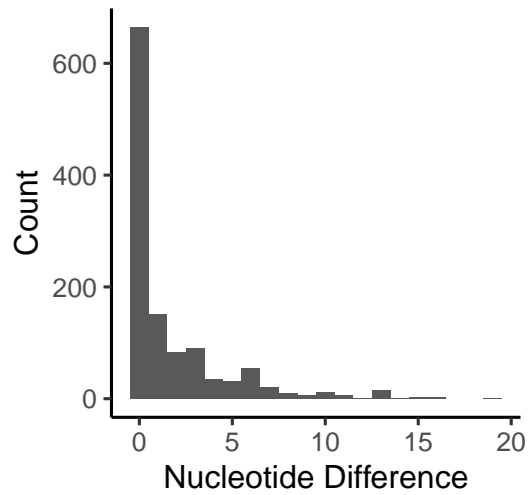
IGHV4-30-2*01

841 sequences assigned
391 (46.5%) exact matches, in which:
351 unique CDR3
7 unique J



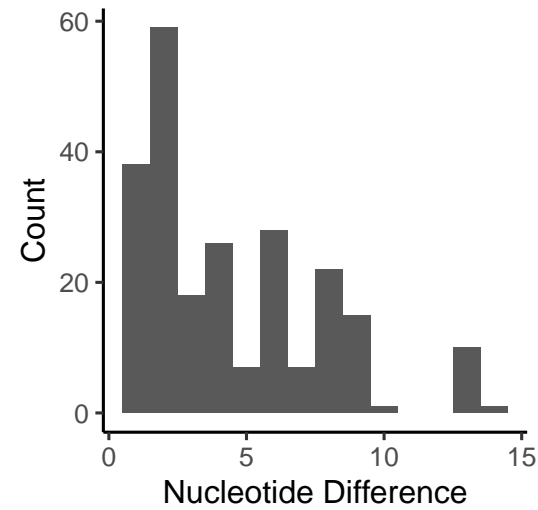
IGHV4-31*03

1193 sequences assigned
665 (55.7%) exact matches, in which:
620 unique CDR3
7 unique J



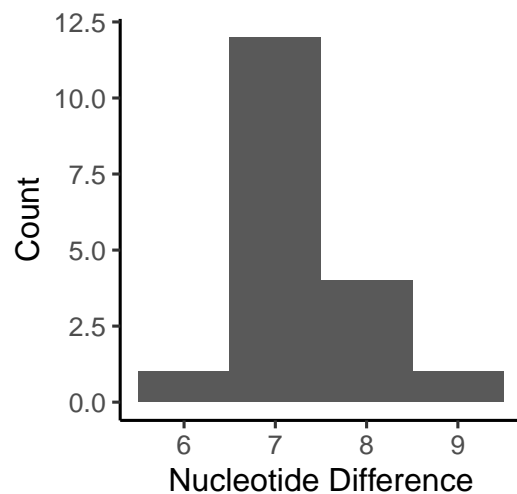
IGHV4-39*07

232 sequences assigned
No exact matches.



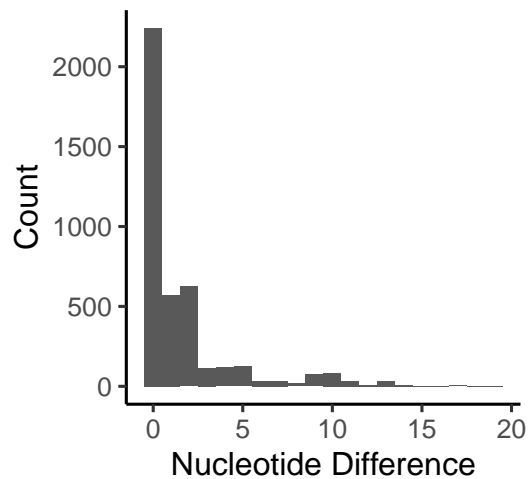
IGHV4-30-4*07

18 sequences assigned
No exact matches.



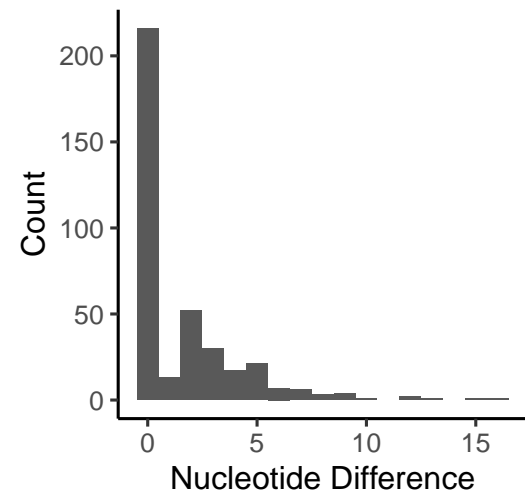
IGHV4-34*01

4135 sequences assigned
2242 (54.2%) exact matches, in which:
2119 unique CDR3
7 unique J



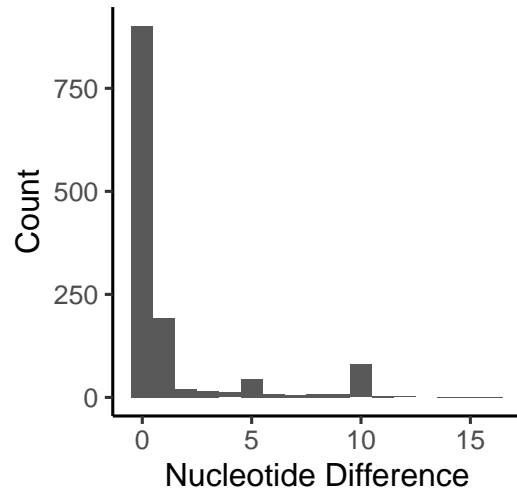
IGHV4-39*01_C4G

377 sequences assigned
216 (57.3%) exact matches, in which:
204 unique CDR3
7 unique J



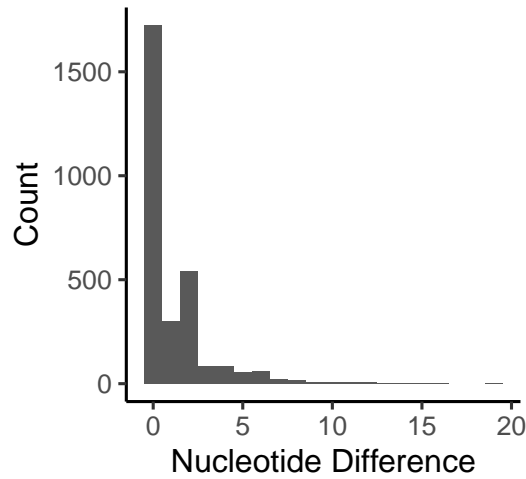
IGHV4–59*01

1306 sequences assigned
902 (69.1%) exact matches, in which:
847 unique CDR3
7 unique J



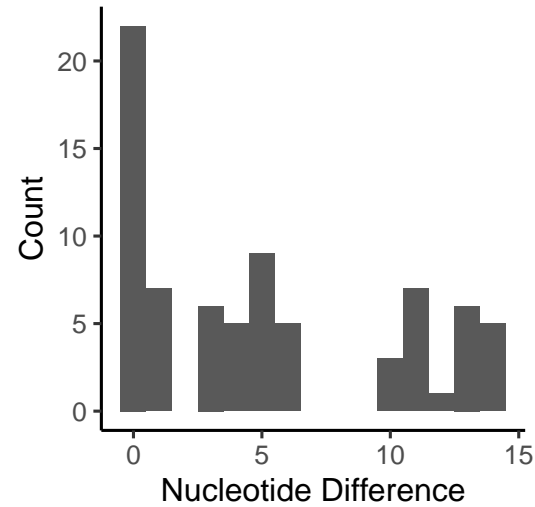
IGHV4–61*02

2912 sequences assigned
1723 (59.2%) exact matches, in which:
1664 unique CDR3
7 unique J



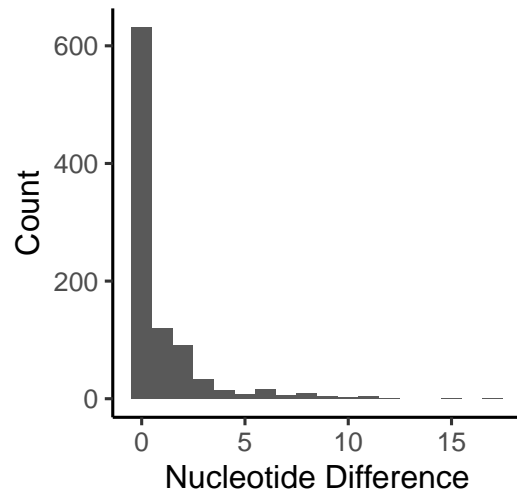
IGHV7–4–1*01

76 sequences assigned
22 (28.9%) exact matches, in which:
18 unique CDR3
5 unique J



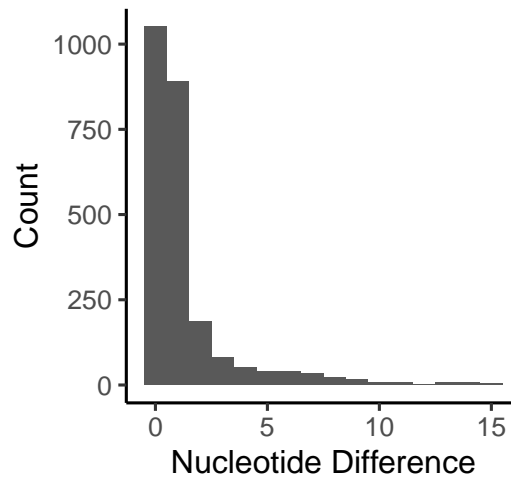
IGHV4–59*01_G48A_G49A

943 sequences assigned
632 (67%) exact matches, in which:
601 unique CDR3
7 unique J



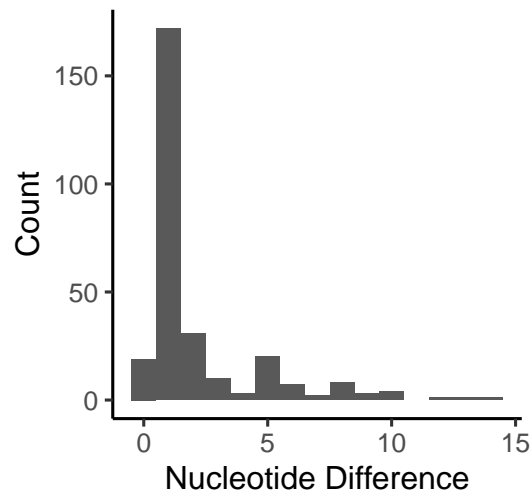
IGHV5–51*01_C45G

2442 sequences assigned
1051 (43%) exact matches, in which:
902 unique CDR3
7 unique J



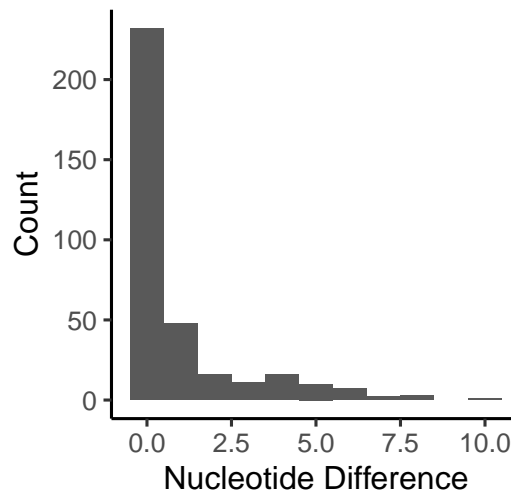
IGHV4–59*12

282 sequences assigned
19 (6.7%) exact matches, in which:
19 unique CDR3
6 unique J

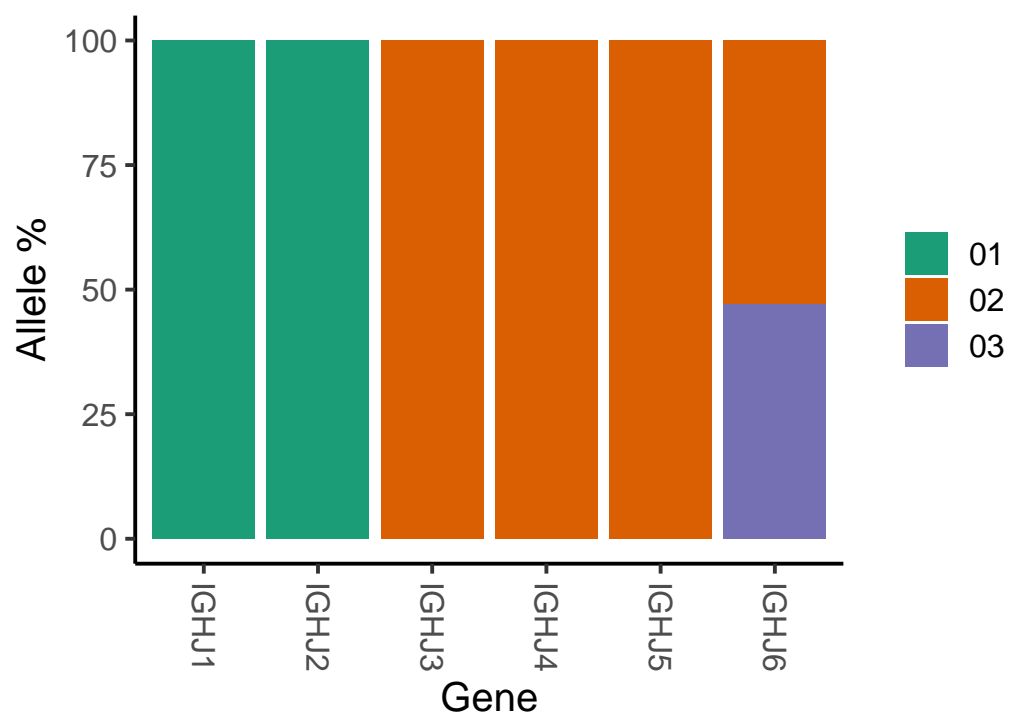


IGHV6–1*01

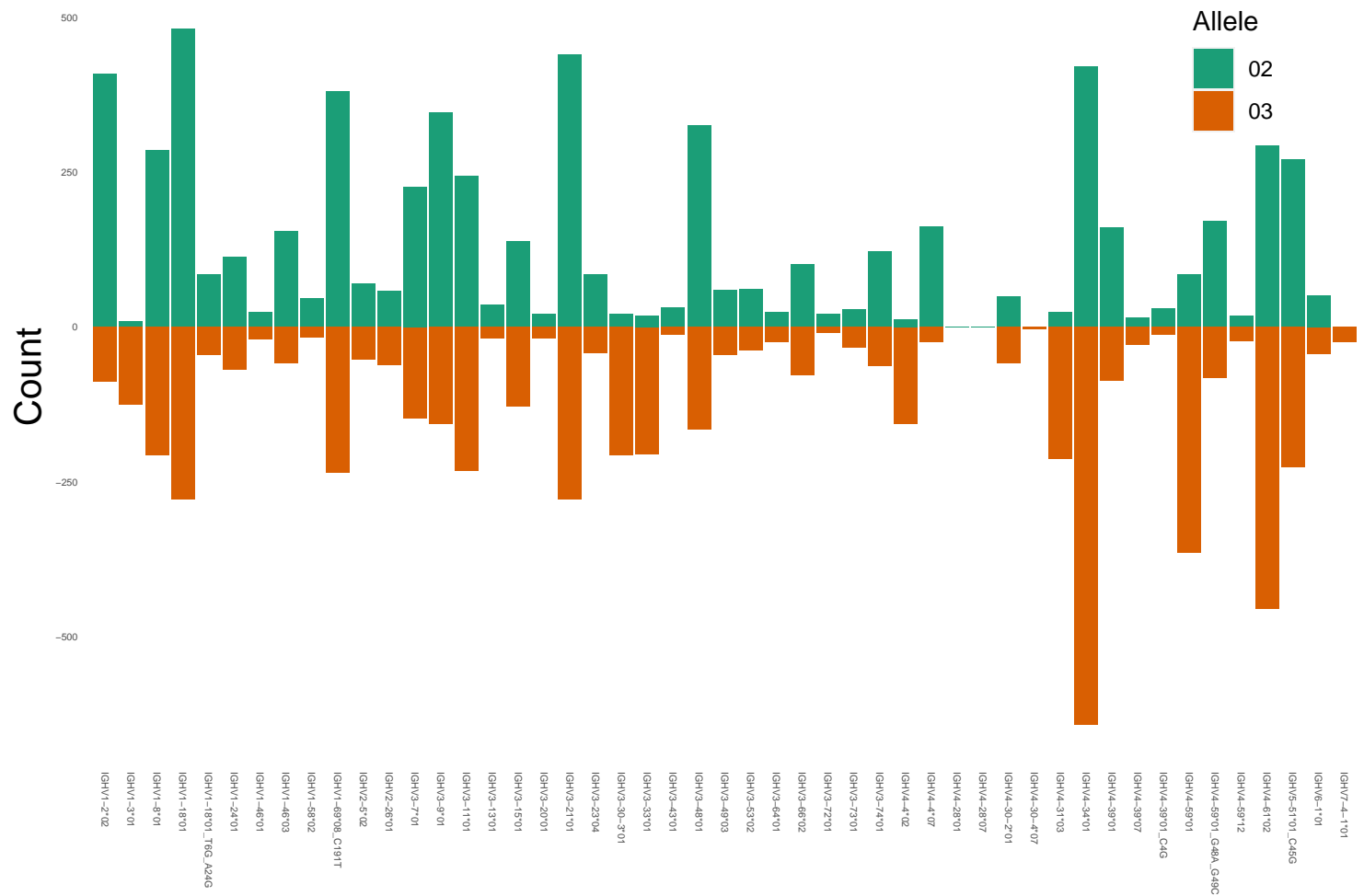
347 sequences assigned
232 (66.9%) exact matches, in which:
219 unique CDR3
6 unique J



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.