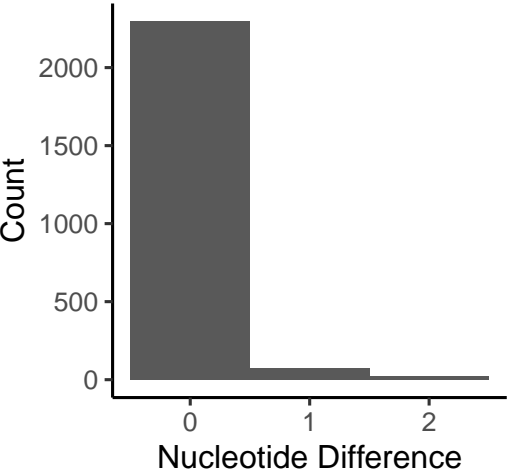


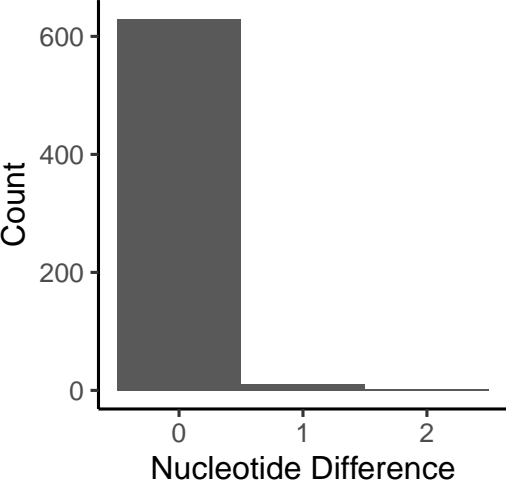
IGHV1-2*02

2394 sequences assigned
2296 (95.9%) exact matches, in which:
2292 unique CDR3
7 unique J



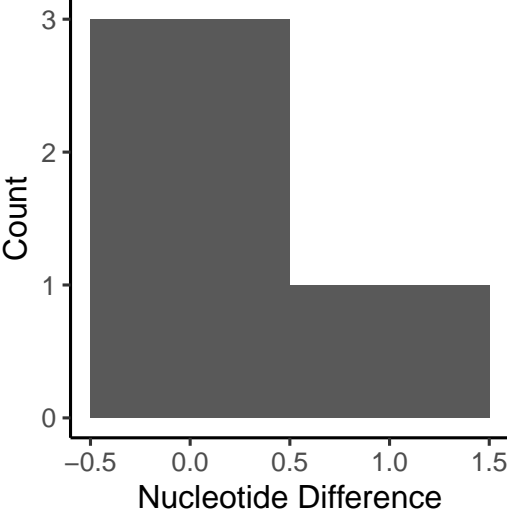
IGHV1-8*02

644 sequences assigned
630 (97.8%) exact matches, in which:
629 unique CDR3
7 unique J



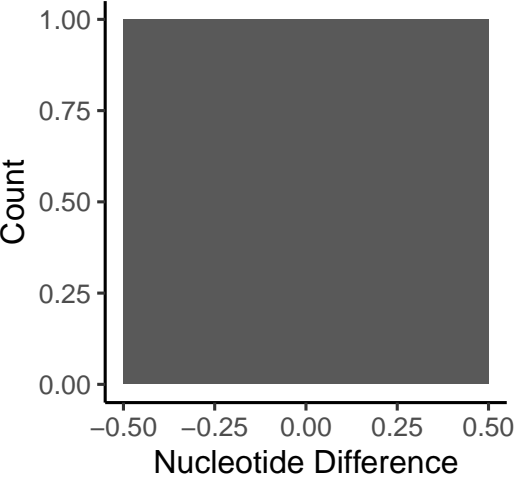
IGHV1-45*02

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



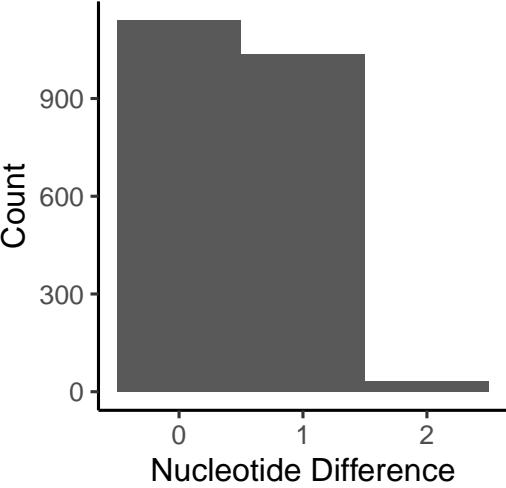
IGHV1-3*02

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



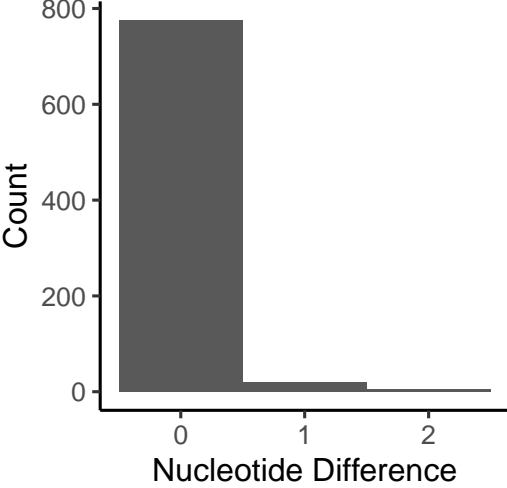
IGHV1-18*01

2211 sequences assigned
1141 (51.6%) exact matches, in which:
1140 unique CDR3
6 unique J



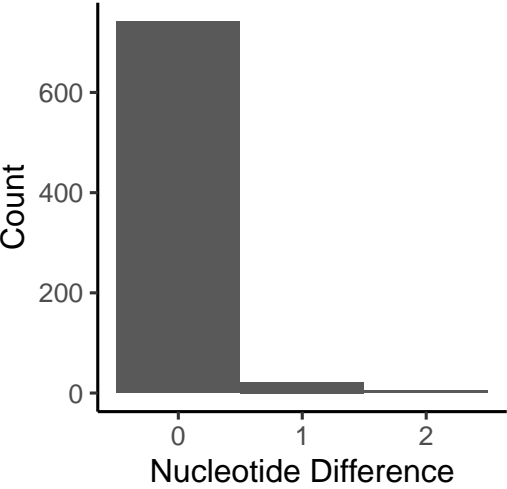
IGHV1-46*01

801 sequences assigned
776 (96.9%) exact matches, in which:
776 unique CDR3
7 unique J



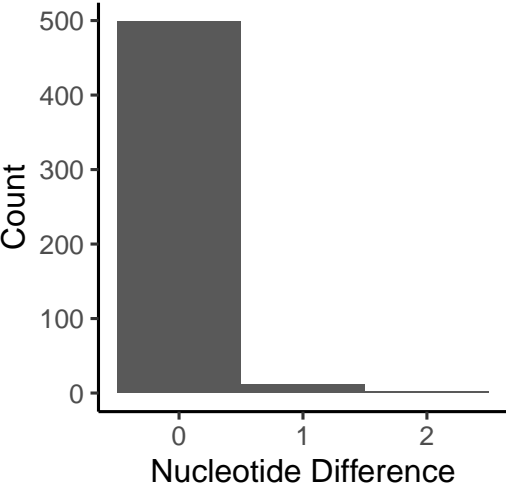
IGHV1-8*01

769 sequences assigned
742 (96.5%) exact matches, in which:
742 unique CDR3
6 unique J



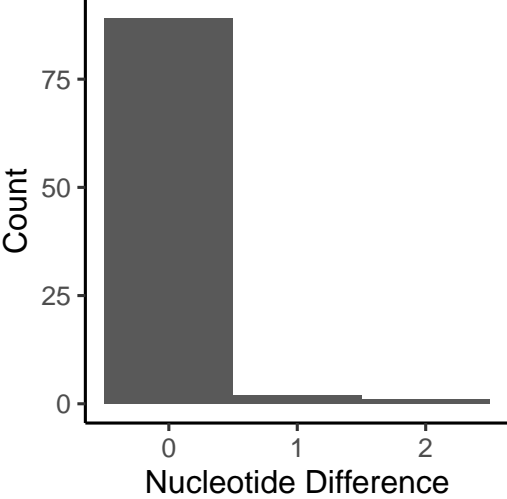
IGHV1-24*01

513 sequences assigned
499 (97.3%) exact matches, in which:
497 unique CDR3
7 unique J



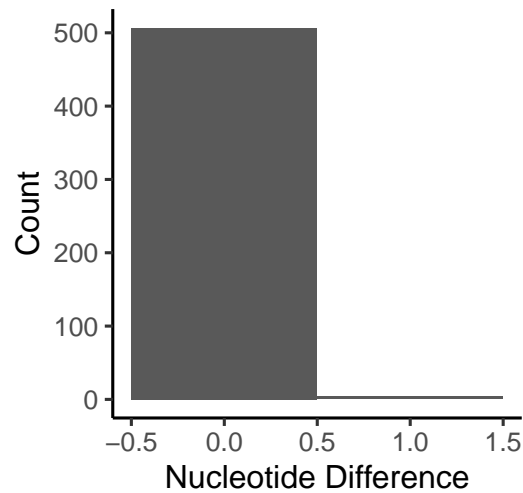
IGHV1-58*02

92 sequences assigned
89 (96.7%) exact matches, in which:
89 unique CDR3
7 unique J



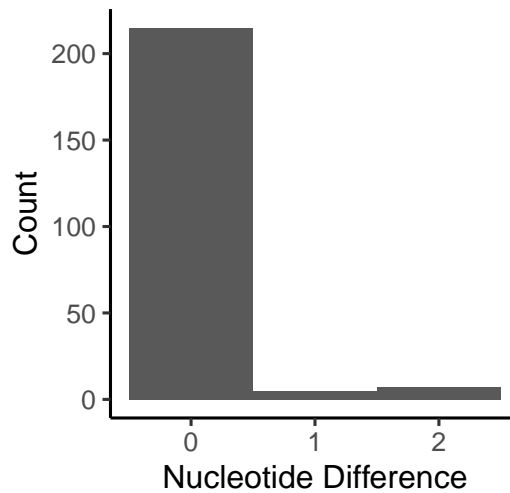
IGHV1–69*02

511 sequences assigned
507 (99.2%) exact matches, in which:
504 unique CDR3
7 unique J



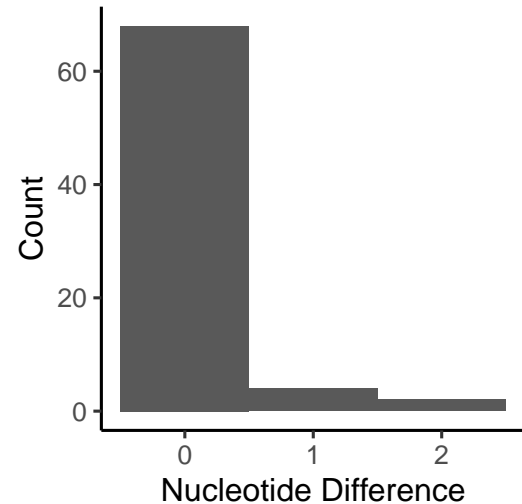
IGHV2–5*01

227 sequences assigned
215 (94.7%) exact matches, in which:
215 unique CDR3
6 unique J



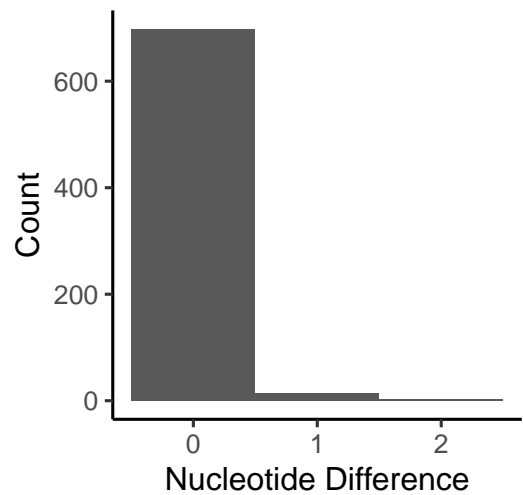
IGHV2–70*11_15

74 sequences assigned
68 (91.9%) exact matches, in which:
68 unique CDR3
5 unique J



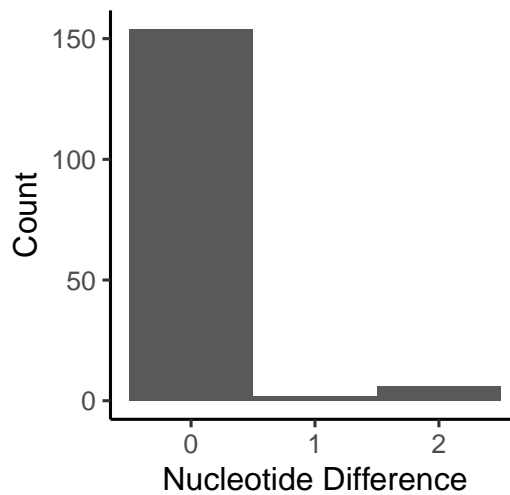
IGHV1–69*01_12_13

714 sequences assigned
698 (97.8%) exact matches, in which:
698 unique CDR3
6 unique J



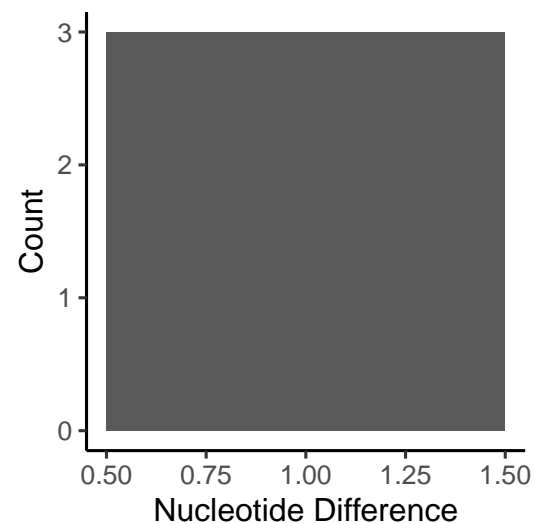
IGHV2–5*05_09

162 sequences assigned
154 (95.1%) exact matches, in which:
154 unique CDR3
6 unique J



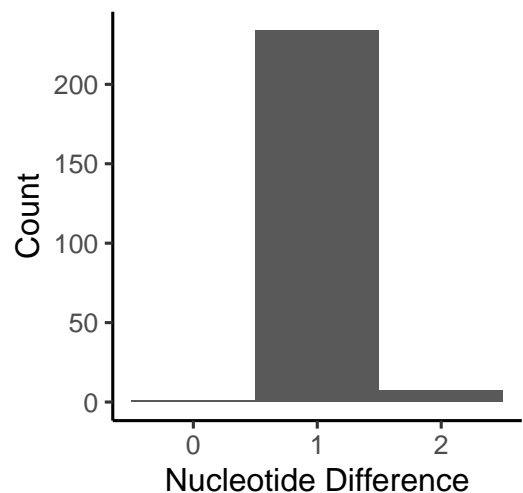
IGHV2–70D*04

3 sequences assigned
No exact matches.



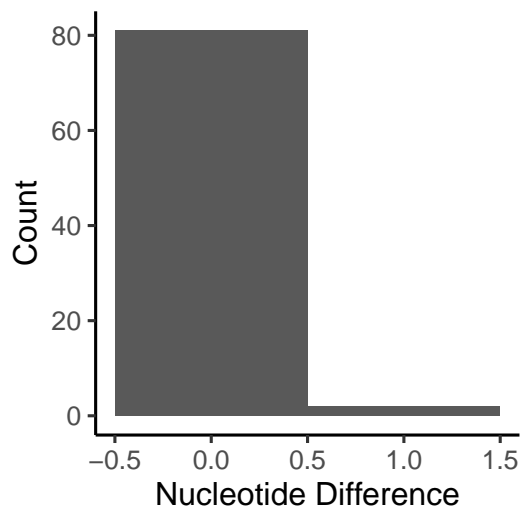
IGHV1–69*04_09

242 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



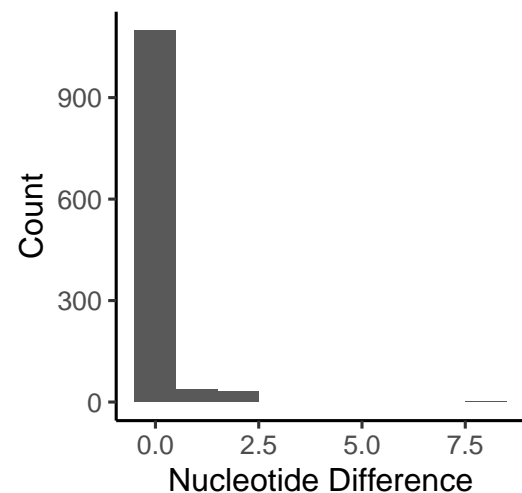
IGHV2–26*01

83 sequences assigned
81 (97.6%) exact matches, in which:
81 unique CDR3
7 unique J



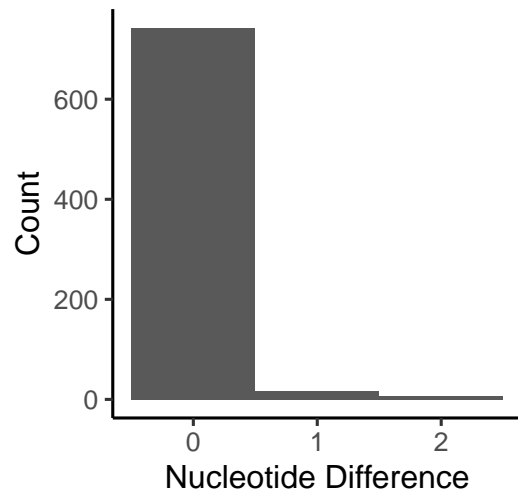
IGHV3–7*01

1169 sequences assigned
1099 (94%) exact matches, in which:
1071 unique CDR3
7 unique J



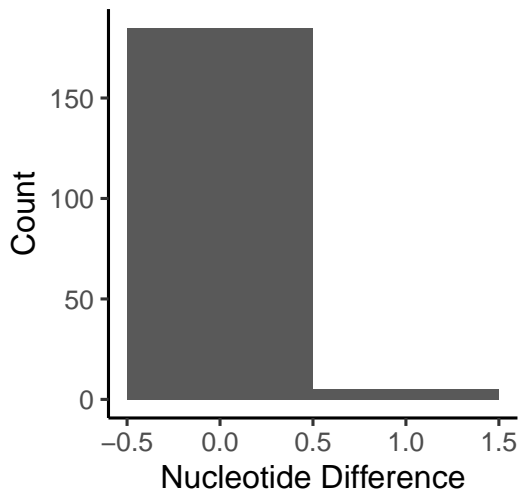
IGHV3-9*01

766 sequences assigned
743 (97%) exact matches, in which:
735 unique CDR3
7 unique J



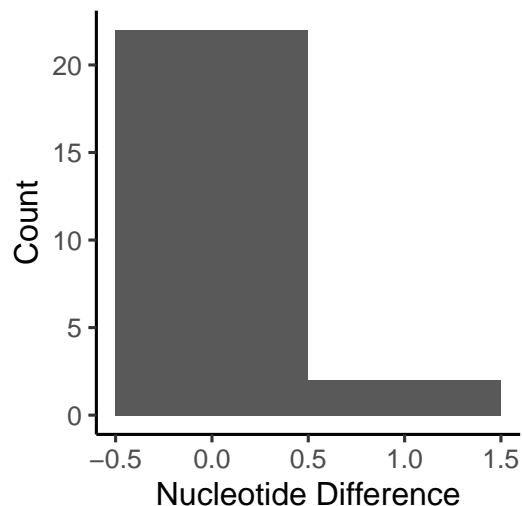
IGHV3-13*01

190 sequences assigned
185 (97.4%) exact matches, in which:
183 unique CDR3
7 unique J



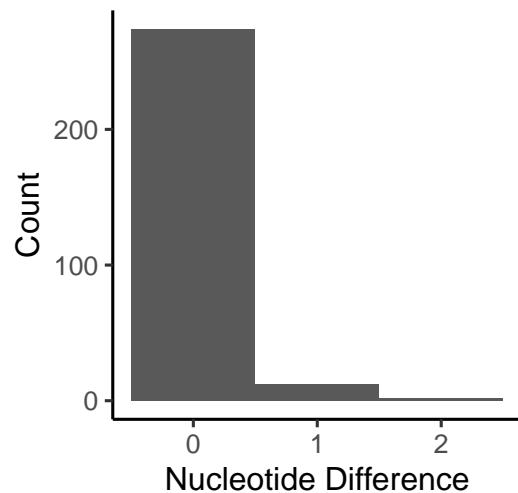
IGHV3-20*03_04

24 sequences assigned
22 (91.7%) exact matches, in which:
22 unique CDR3
4 unique J



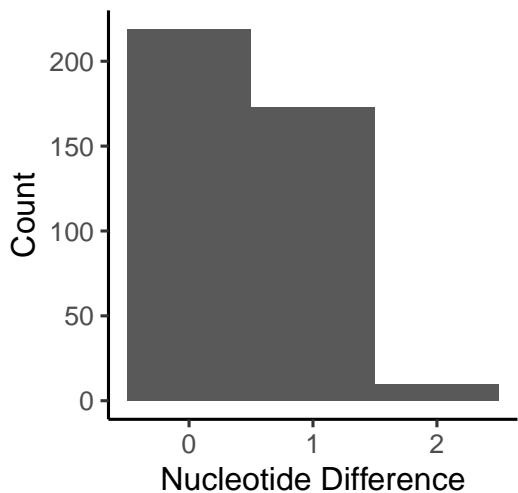
IGHV3-11*01

288 sequences assigned
274 (95.1%) exact matches, in which:
267 unique CDR3
6 unique J



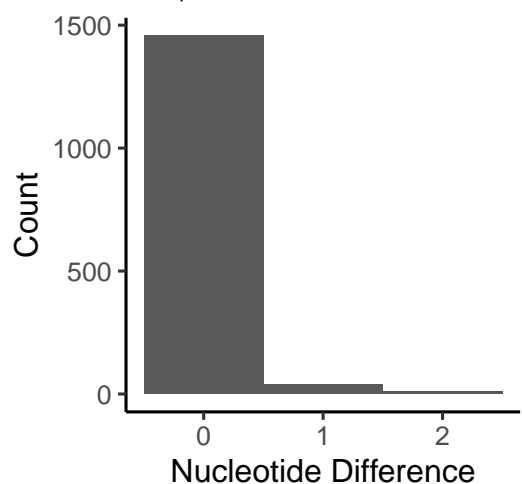
IGHV3-15*01_02

402 sequences assigned
219 (54.5%) exact matches, in which:
217 unique CDR3
5 unique J



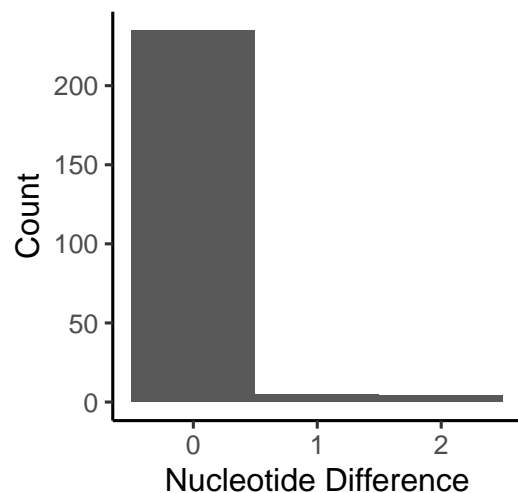
IGHV3-21*01_02

1507 sequences assigned
1457 (96.7%) exact matches, in which:
1421 unique CDR3
7 unique J



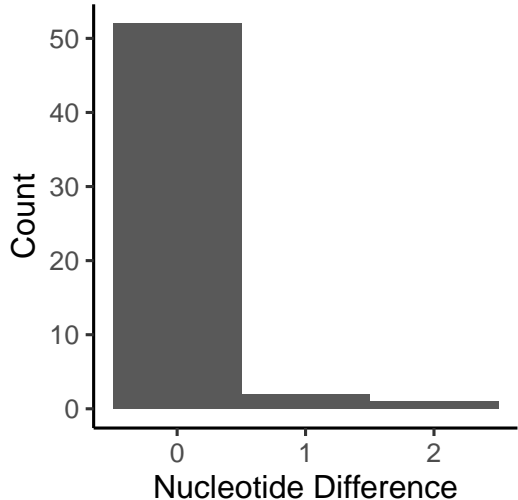
IGHV3-11*04

244 sequences assigned
235 (96.3%) exact matches, in which:
235 unique CDR3
6 unique J



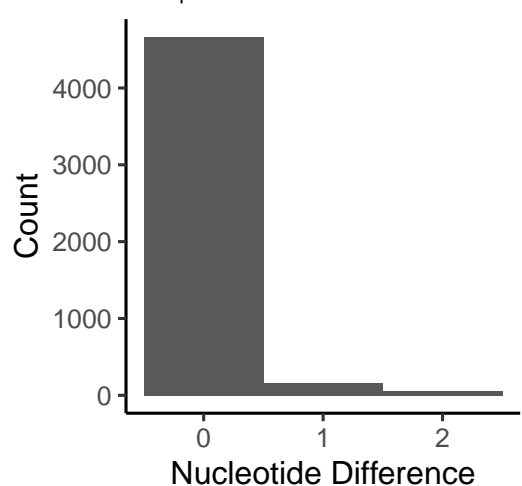
IGHV3-20*01_02

55 sequences assigned
52 (94.5%) exact matches, in which:
50 unique CDR3
6 unique J



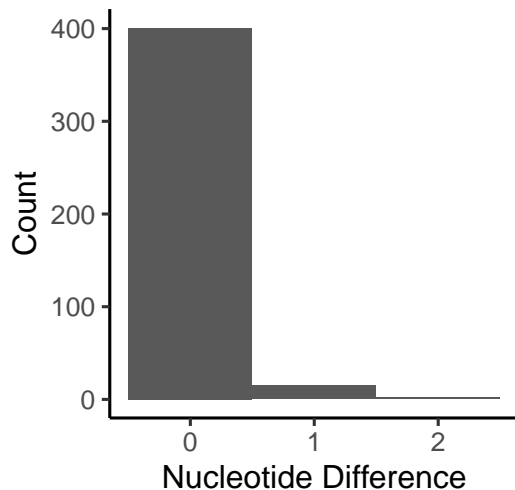
IGHV3-23*01_04

4878 sequences assigned
4663 (95.6%) exact matches, in which:
4562 unique CDR3
7 unique J



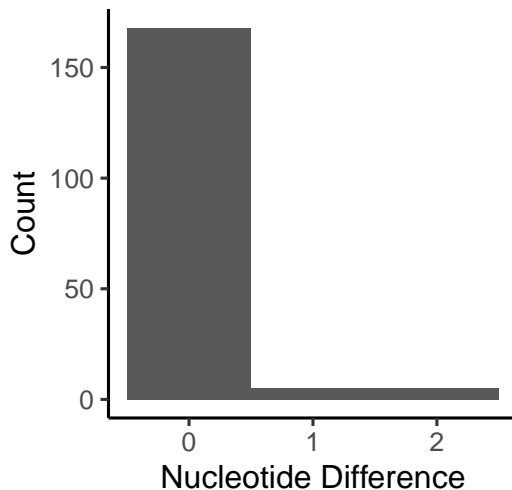
IGHV3–33*01

418 sequences assigned
401 (95.9%) exact matches, in which:
395 unique CDR3
6 unique J



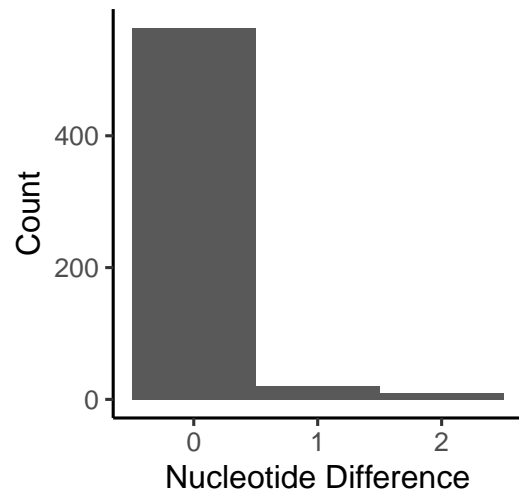
IGHV3–49*03_05

178 sequences assigned
168 (94.4%) exact matches, in which:
168 unique CDR3
7 unique J



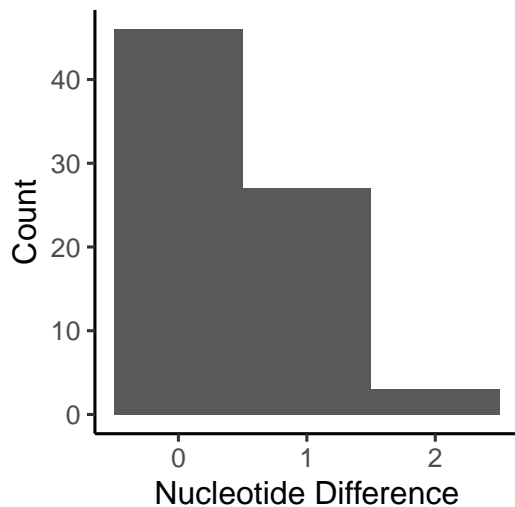
IGHV3–66*02

594 sequences assigned
564 (94.9%) exact matches, in which:
550 unique CDR3
7 unique J



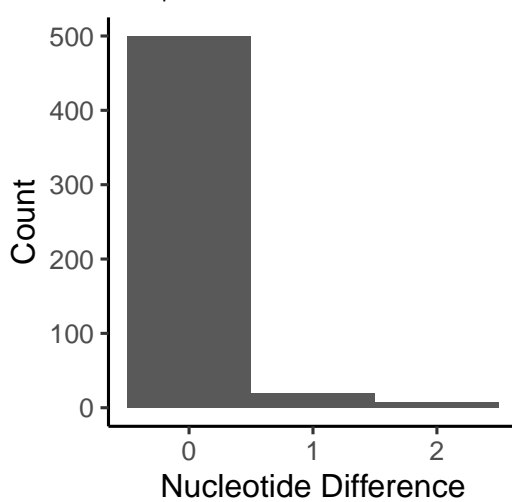
IGHV3–43*01

76 sequences assigned
46 (60.5%) exact matches, in which:
46 unique CDR3
6 unique J



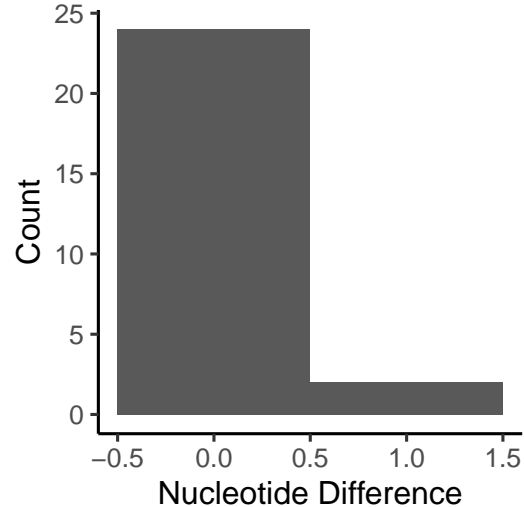
IGHV3–53*01_02

526 sequences assigned
500 (95.1%) exact matches, in which:
492 unique CDR3
7 unique J



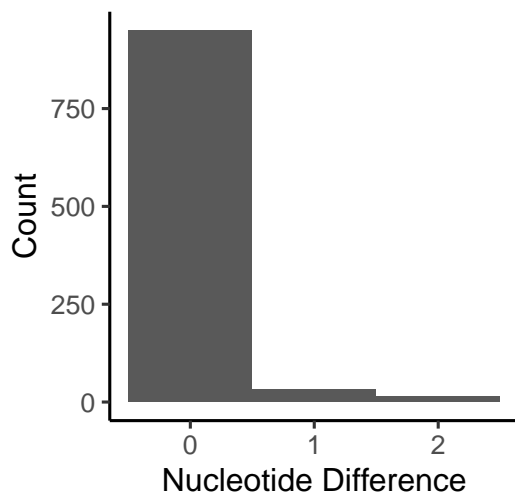
IGHV3–72*01

26 sequences assigned
24 (92.3%) exact matches, in which:
22 unique CDR3
5 unique J



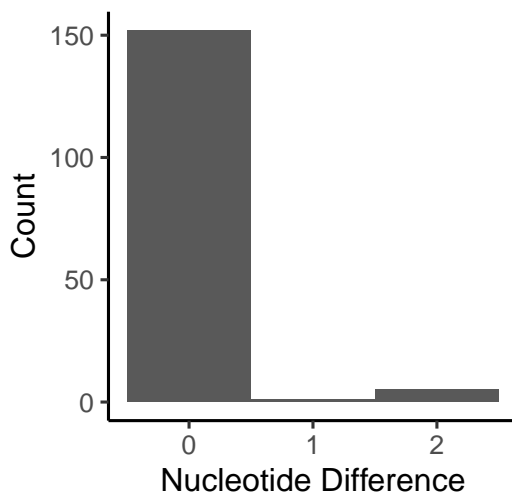
IGHV3–48*02

998 sequences assigned
950 (95.2%) exact matches, in which:
936 unique CDR3
7 unique J



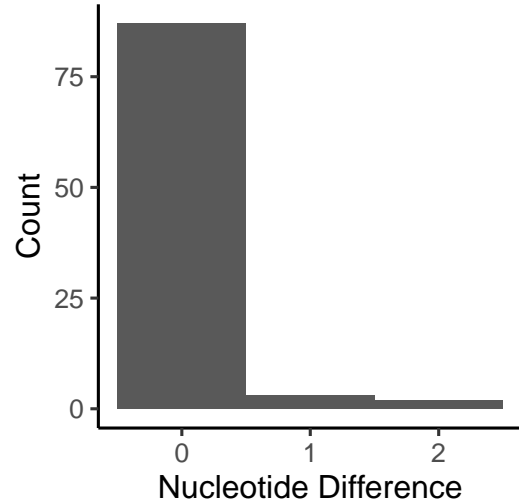
IGHV3–64*01

158 sequences assigned
152 (96.2%) exact matches, in which:
145 unique CDR3
7 unique J



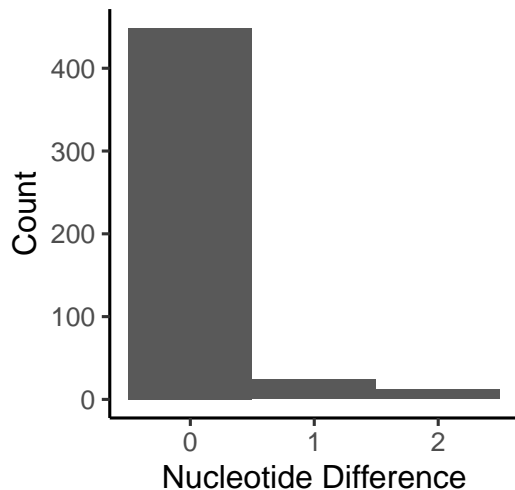
IGHV3–73*01_02

92 sequences assigned
87 (94.6%) exact matches, in which:
87 unique CDR3
6 unique J



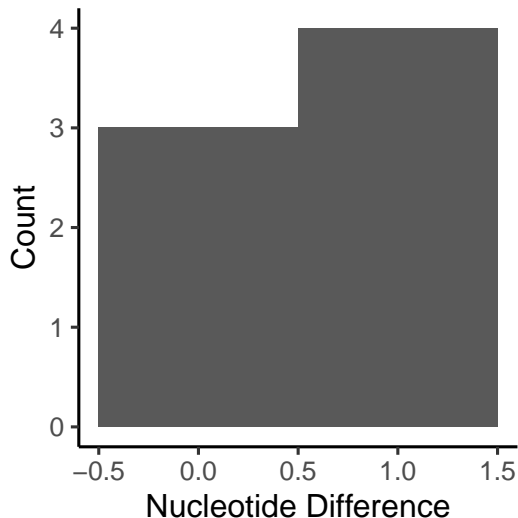
IGHV3-74*01_02

485 sequences assigned
449 (92.6%) exact matches, in which:
439 unique CDR3
7 unique J



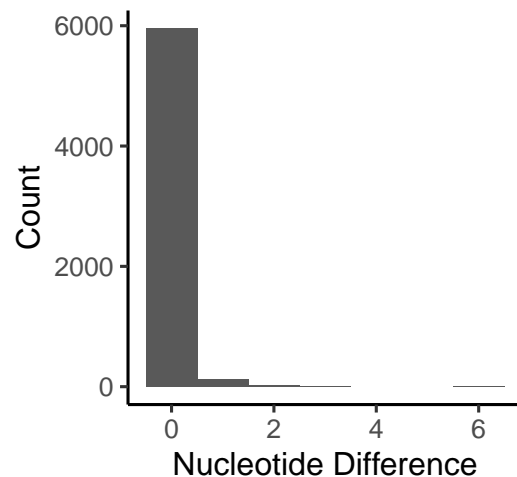
IGHV4-28*01_07

7 sequences assigned
3 (42.9%) exact matches, in which:
3 unique CDR3
2 unique J



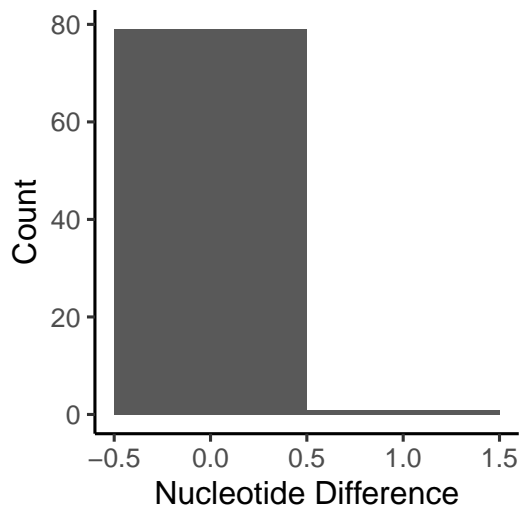
IGHV4-34*01_02

6109 sequences assigned
5955 (97.5%) exact matches, in which:
5782 unique CDR3
7 unique J



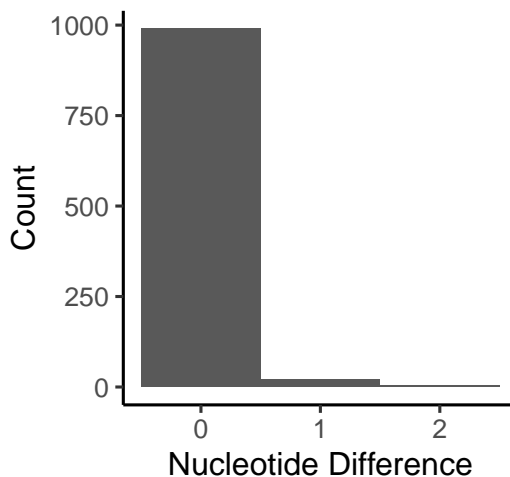
IGHV3-43D*03

80 sequences assigned
79 (98.8%) exact matches, in which:
79 unique CDR3
6 unique J



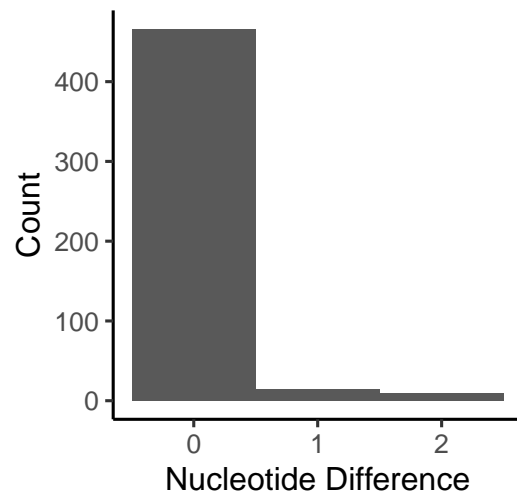
IGHV4-30-2*01

1015 sequences assigned
990 (97.5%) exact matches, in which:
967 unique CDR3
6 unique J



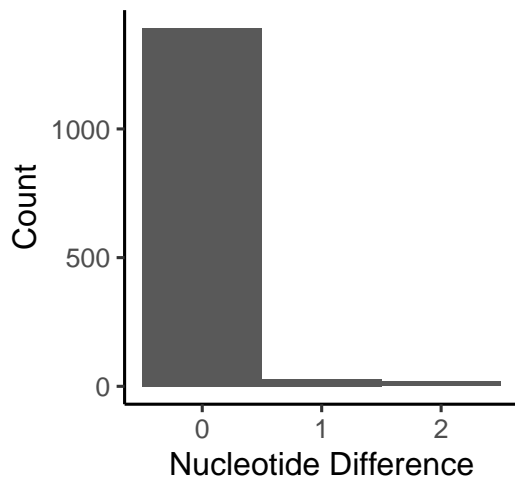
IGHV4-38-2*02

490 sequences assigned
466 (95.1%) exact matches, in which:
456 unique CDR3
6 unique J



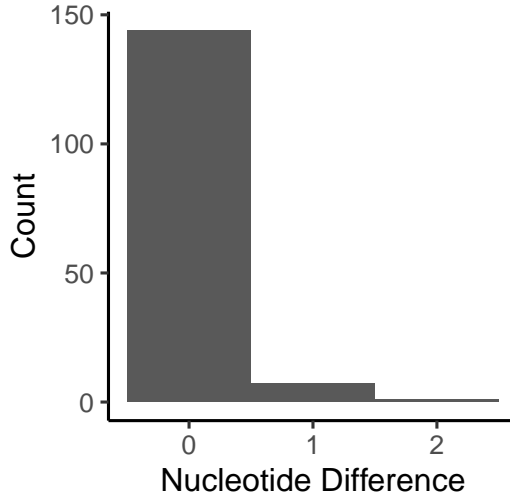
IGHV4-4*07

1439 sequences assigned
1392 (96.7%) exact matches, in which:
1372 unique CDR3
7 unique J



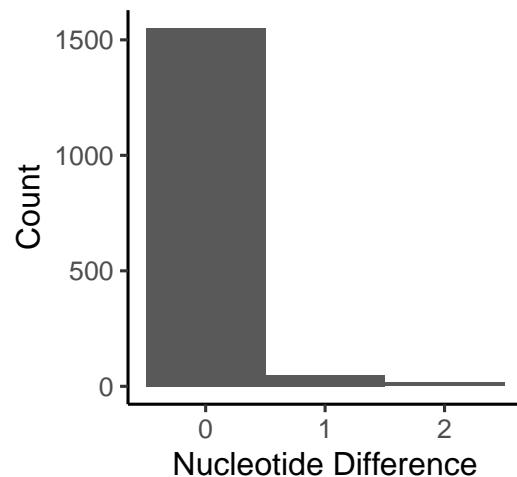
IGHV4-30-4*07

152 sequences assigned
144 (94.7%) exact matches, in which:
144 unique CDR3
6 unique J



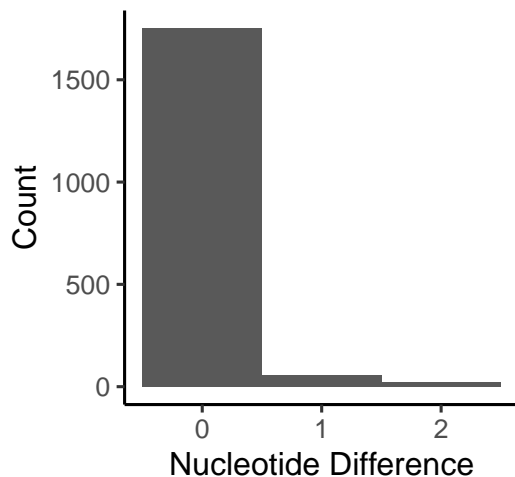
IGHV4-39*07

1615 sequences assigned
1551 (96%) exact matches, in which:
1533 unique CDR3
7 unique J



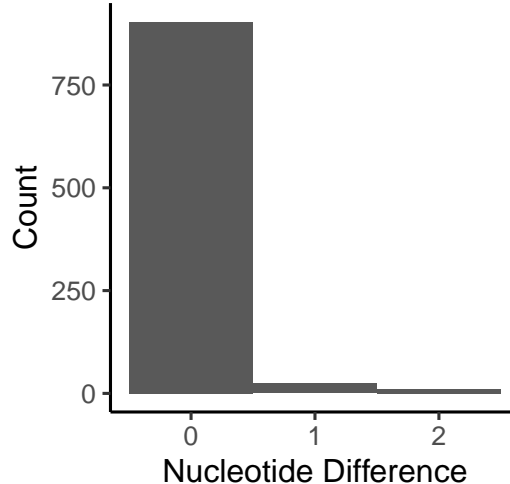
IGHV4-39*02_C258G_C

1826 sequences assigned
1751 (95.9%) exact matches, in which:
1715 unique CDR3
7 unique J



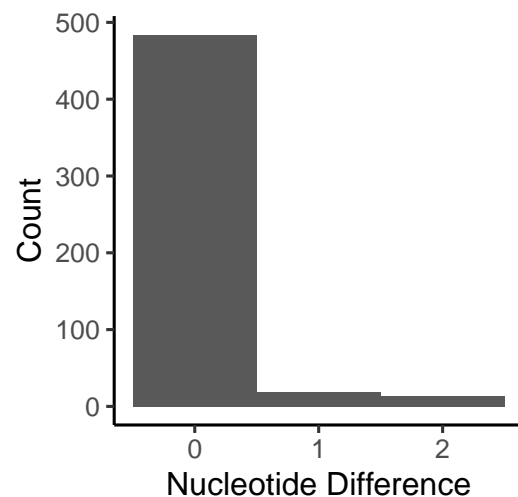
IGHV4-61*02

938 sequences assigned
904 (96.4%) exact matches, in which:
896 unique CDR3
6 unique J



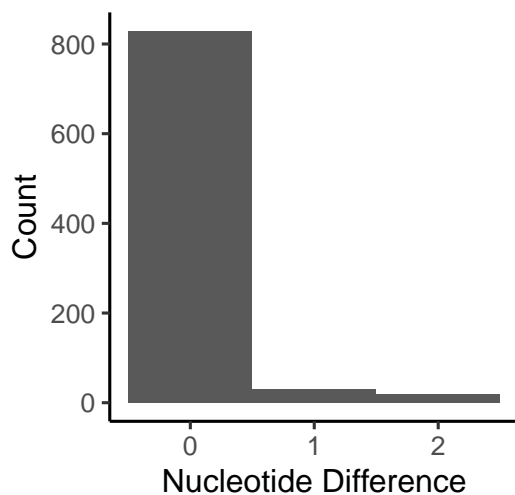
IGHV6-1*01_02

517 sequences assigned
484 (93.6%) exact matches, in which:
482 unique CDR3
7 unique J



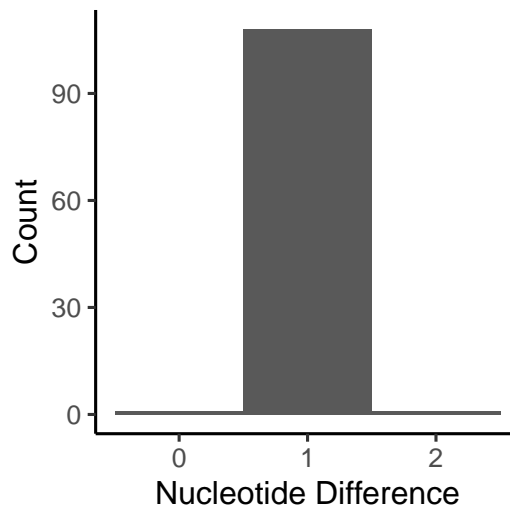
IGHV4-59*08

879 sequences assigned
829 (94.3%) exact matches, in which:
812 unique CDR3
7 unique J



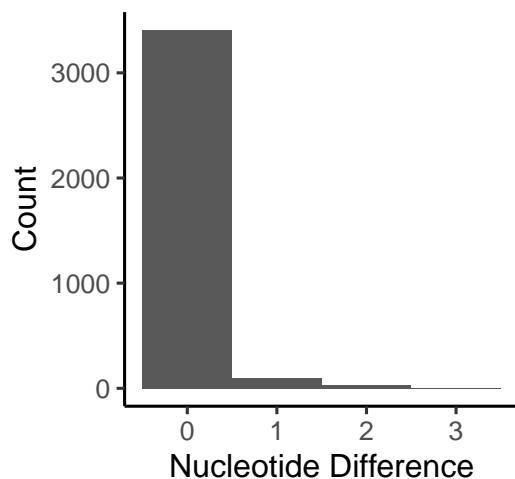
IGHV5-51*07

110 sequences assigned
1 (0.9%) exact matches, in which:
1 unique CDR3
1 unique J



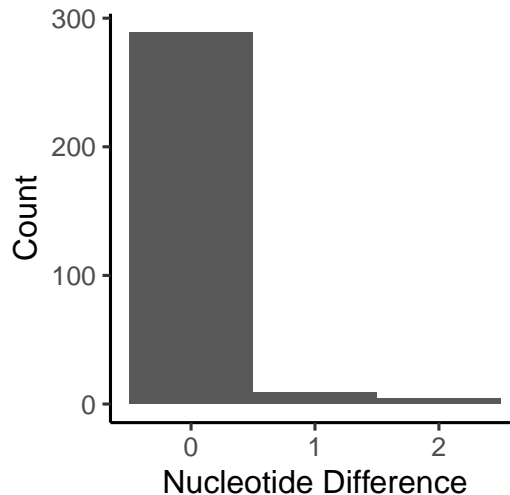
IGHV4-59*02_G88A

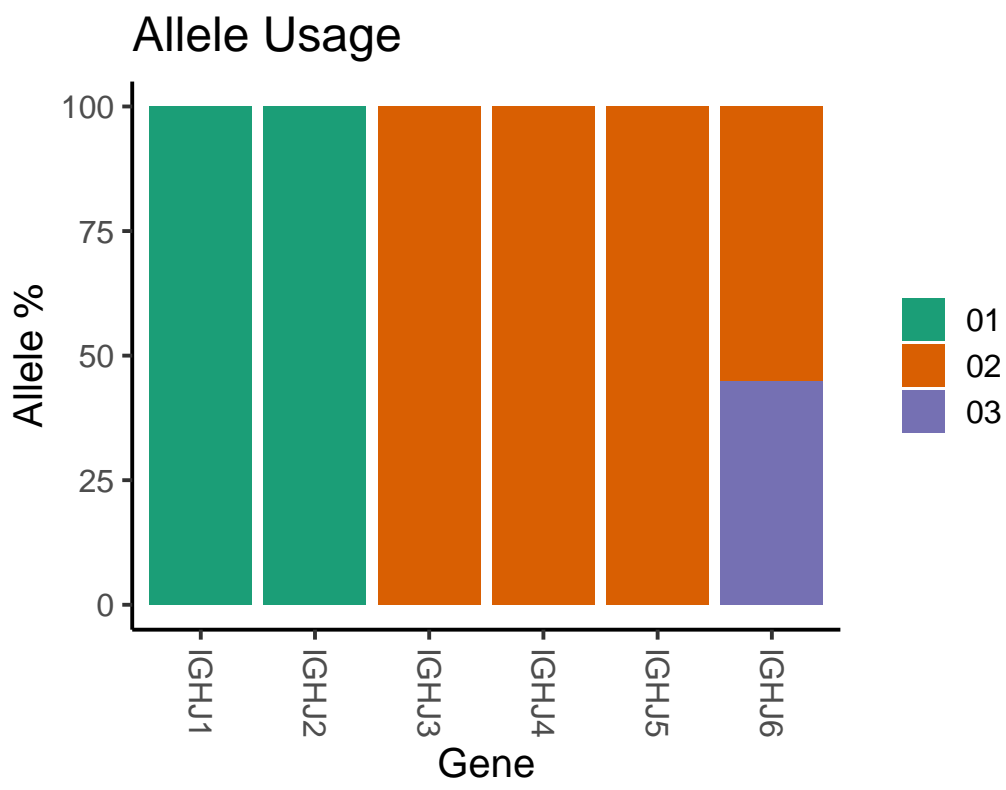
3534 sequences assigned
3407 (96.4%) exact matches, in which:
3346 unique CDR3
7 unique J



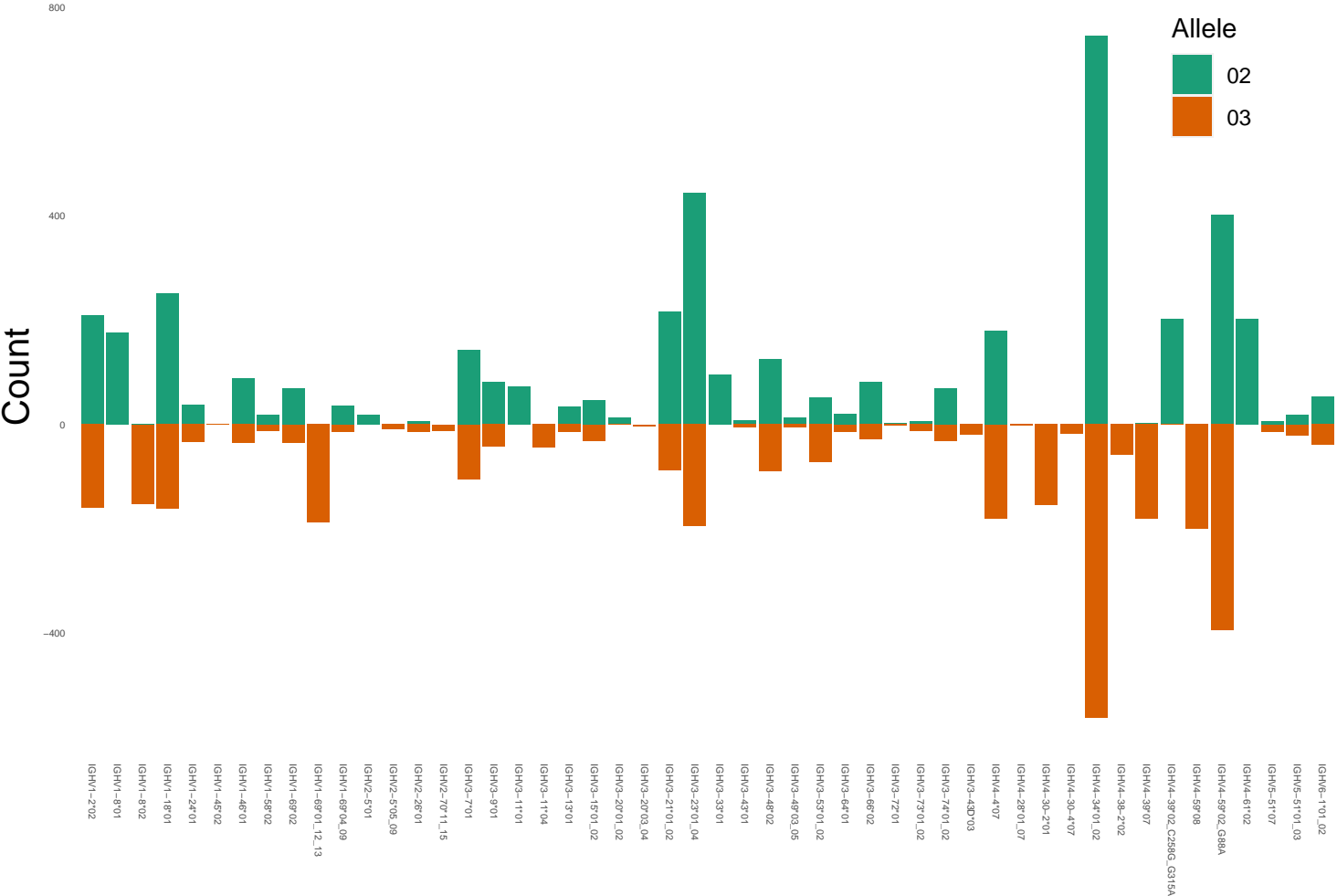
IGHV5-51*01_03

302 sequences assigned
289 (95.7%) exact matches, in which:
289 unique CDR3
7 unique J





Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.