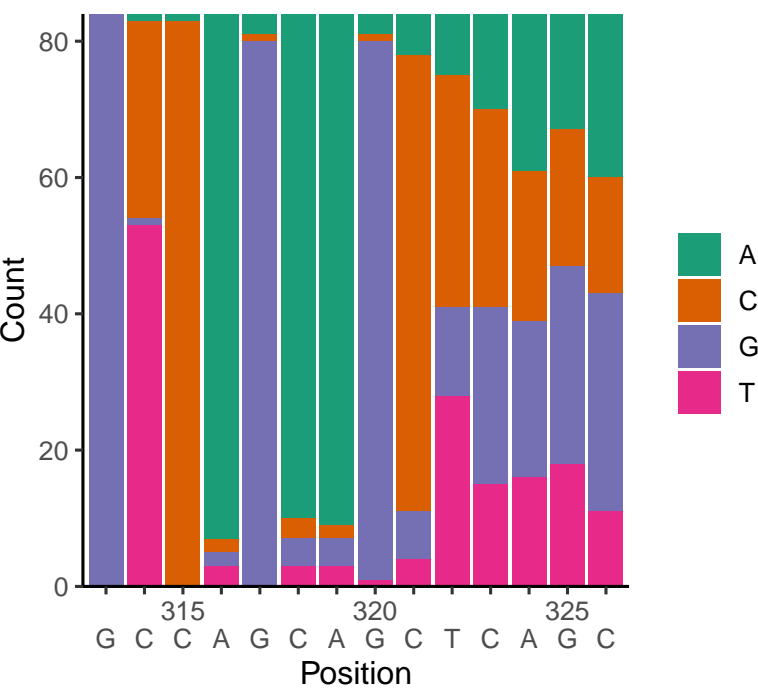
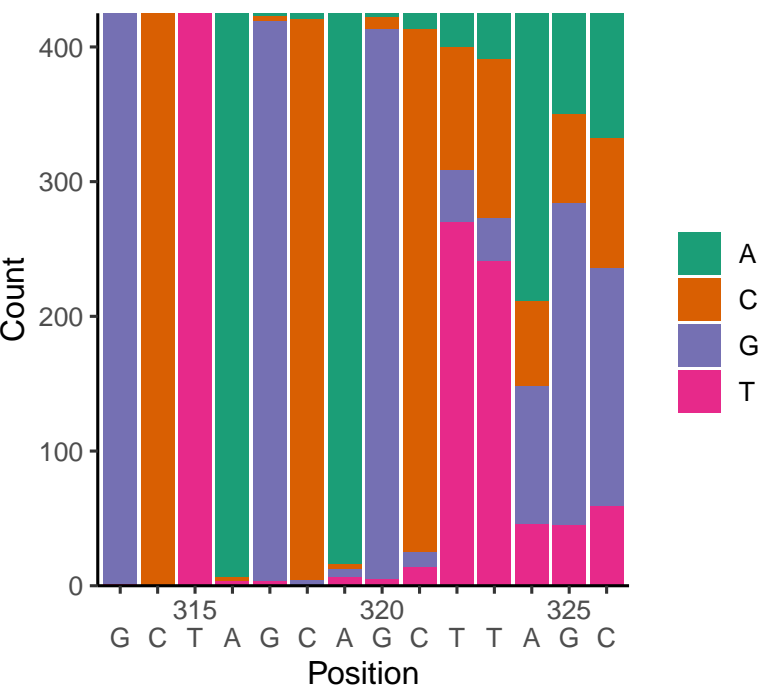


Gene TRBV7-1*ap01_T296C



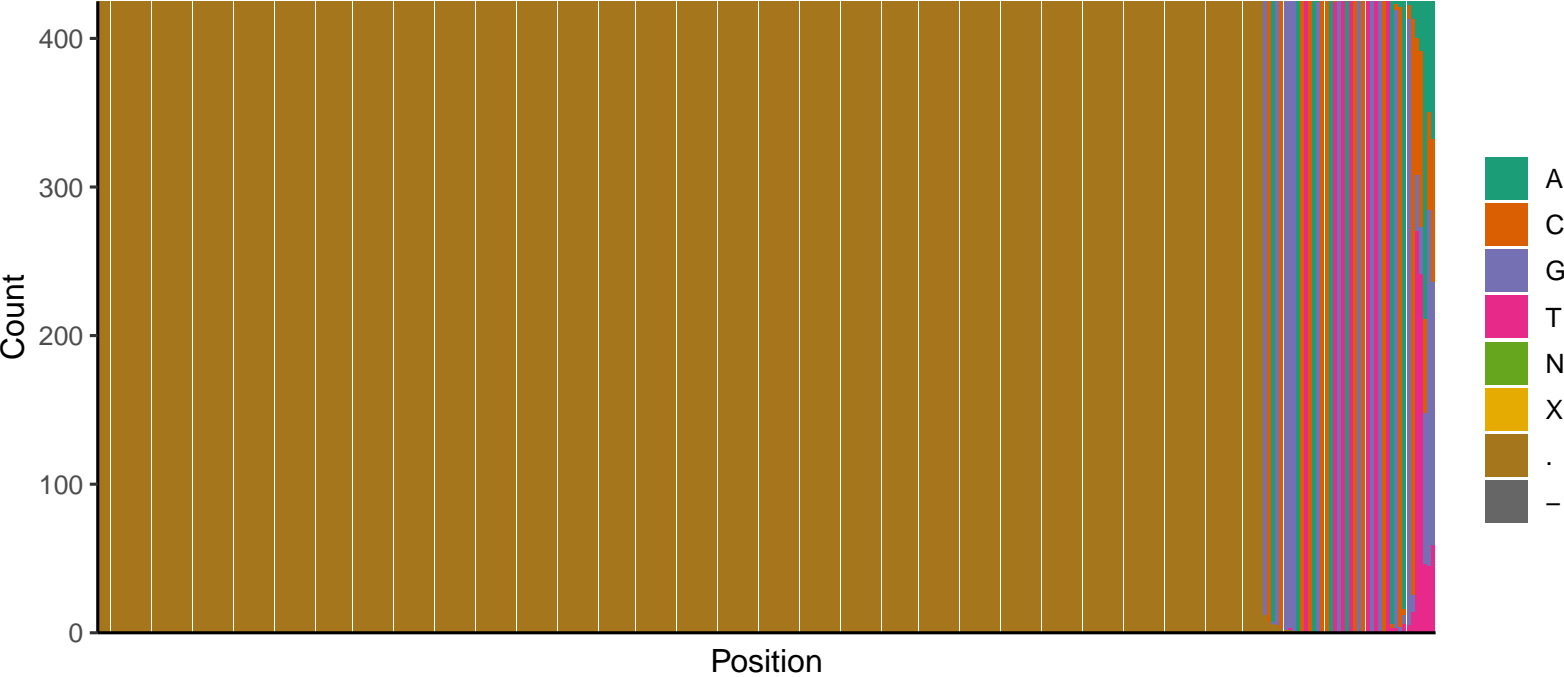
Gene TRBV7-7*ap01_C315T



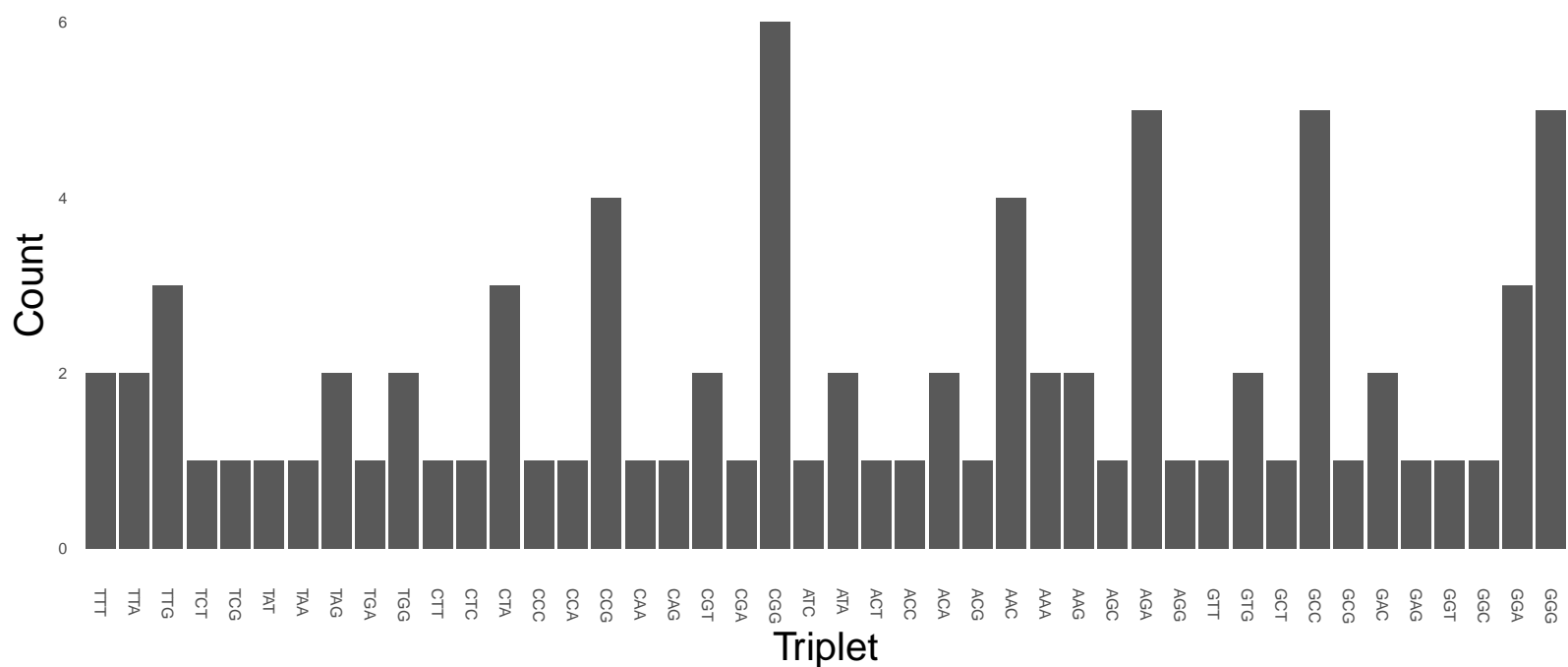
Gene TRBV7-1*ap01_T296C



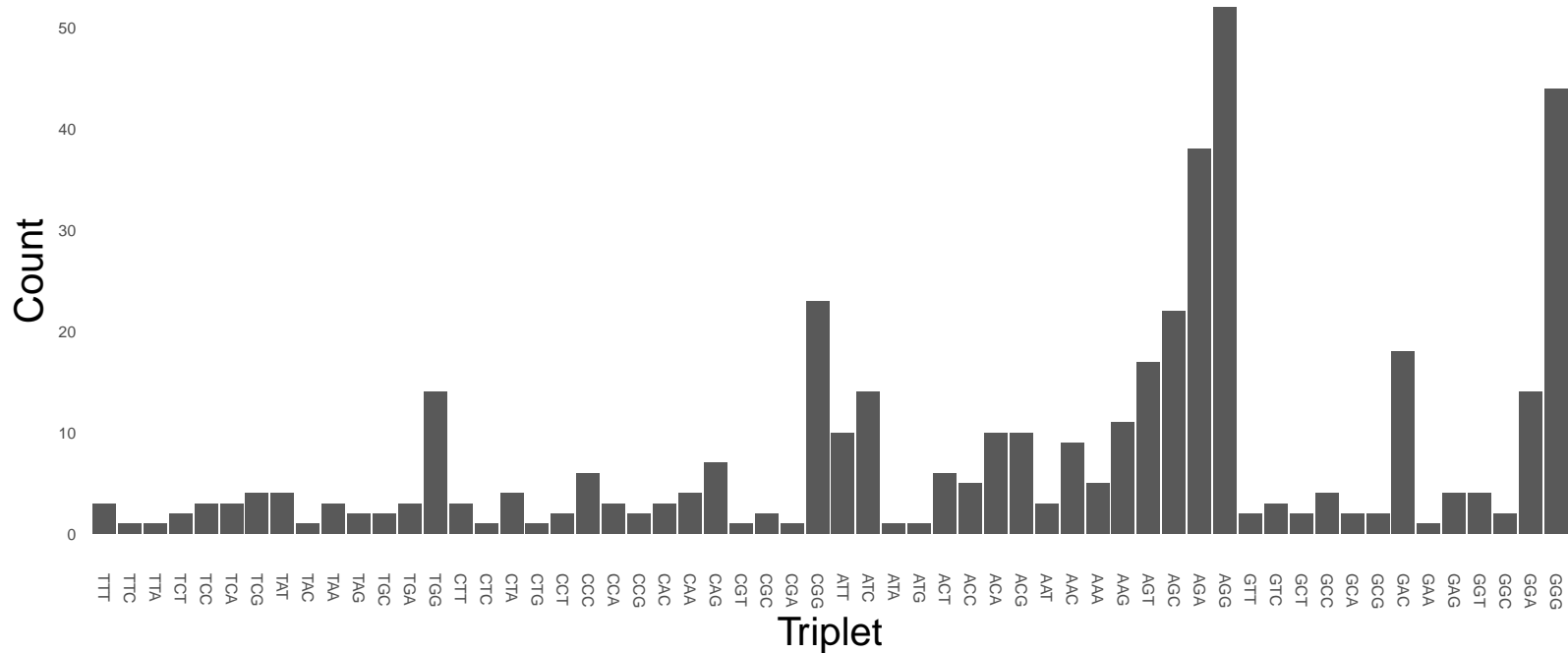
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

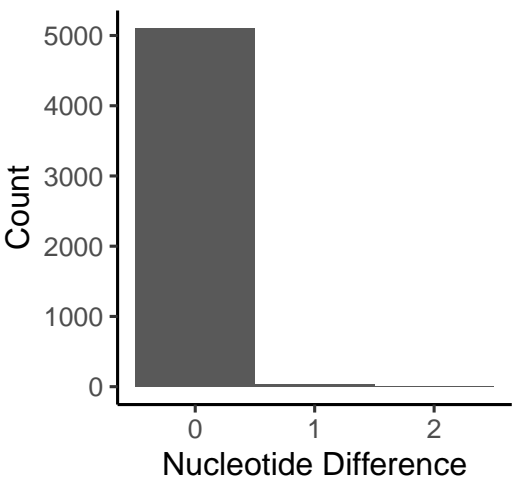


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



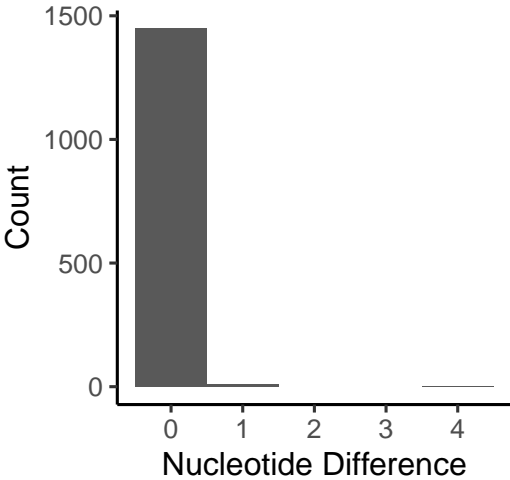
TRBV20-1*ap01

5142 sequences assigned
5101 (99.2%) exact matches, in which:
5075 unique CDR3
14 unique J



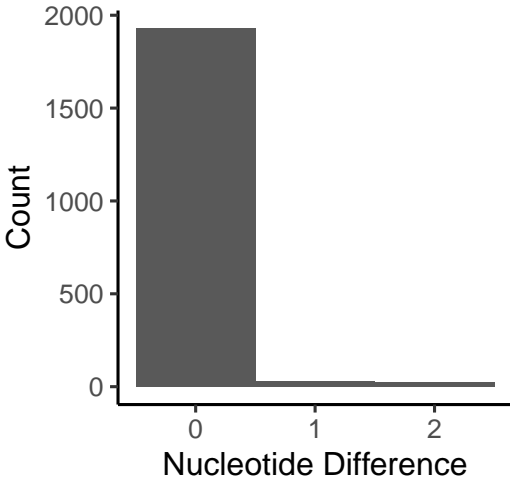
TRBV10-2*ap01

1459 sequences assigned
1449 (99.3%) exact matches, in which:
1436 unique CDR3
14 unique J



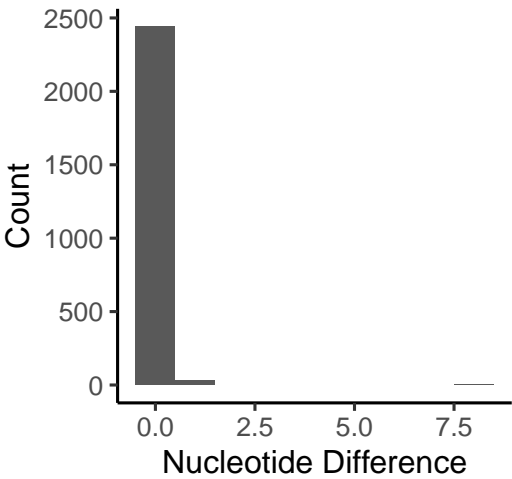
TRBV13*ap01

1982 sequences assigned
1929 (97.3%) exact matches, in which:
1909 unique CDR3
14 unique J



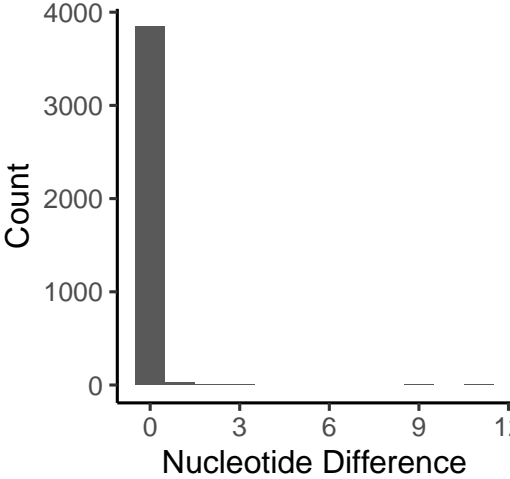
TRBV10-1*ap01

2470 sequences assigned
2440 (98.8%) exact matches, in which:
2422 unique CDR3
14 unique J



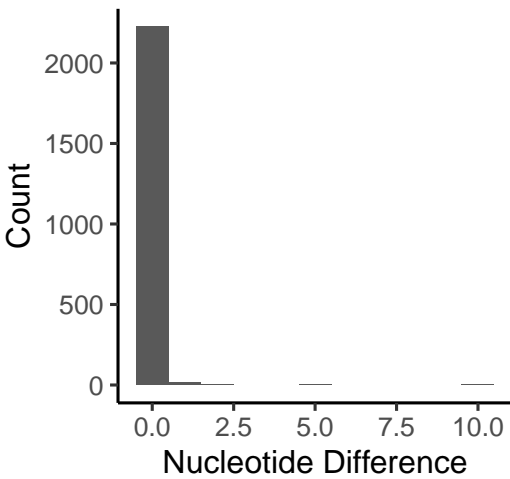
TRBV10-3*ap01

3879 sequences assigned
3844 (99.1%) exact matches, in which:
3808 unique CDR3
14 unique J



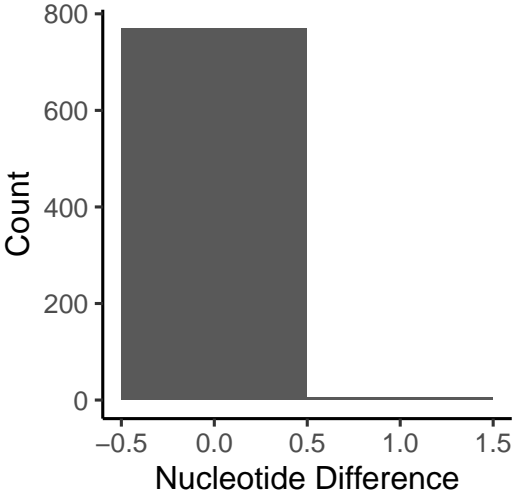
TRBV14*ap01

2243 sequences assigned
2225 (99.2%) exact matches, in which:
2216 unique CDR3
14 unique J



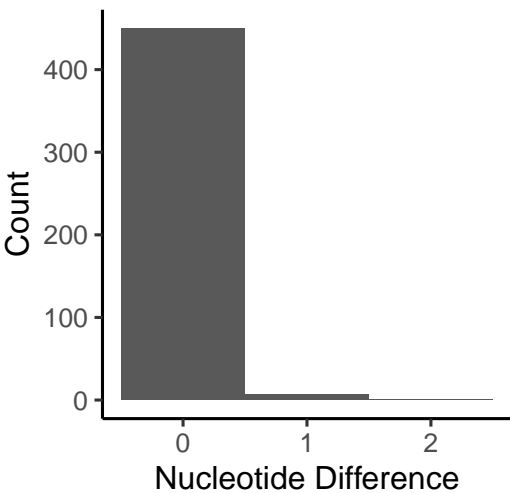
TRBV20-1*ap02

776 sequences assigned
770 (99.2%) exact matches, in which:
765 unique CDR3
14 unique J



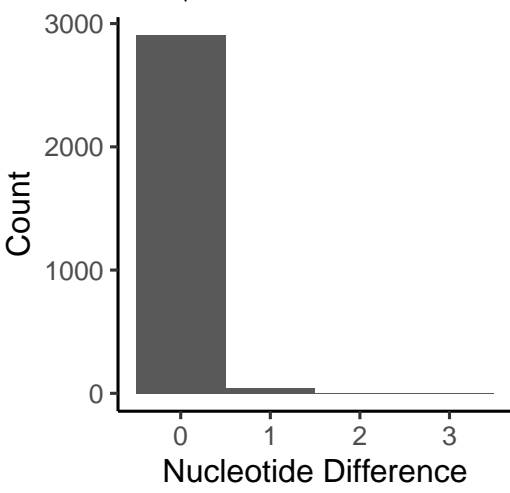
TRBV1*ap01

458 sequences assigned
450 (98.3%) exact matches, in which:
442 unique CDR3
14 unique J



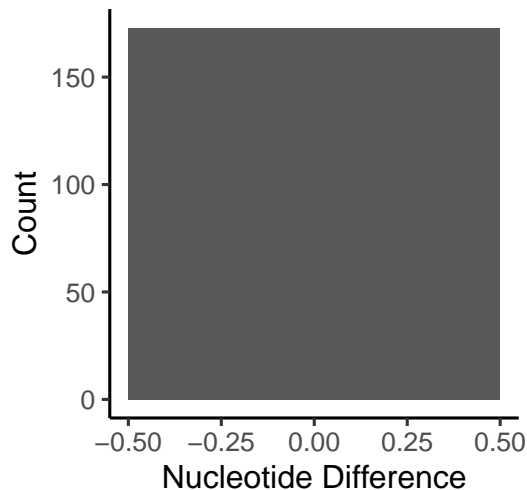
TRBV15*ap02

2952 sequences assigned
2907 (98.5%) exact matches, in which:
2880 unique CDR3
14 unique J



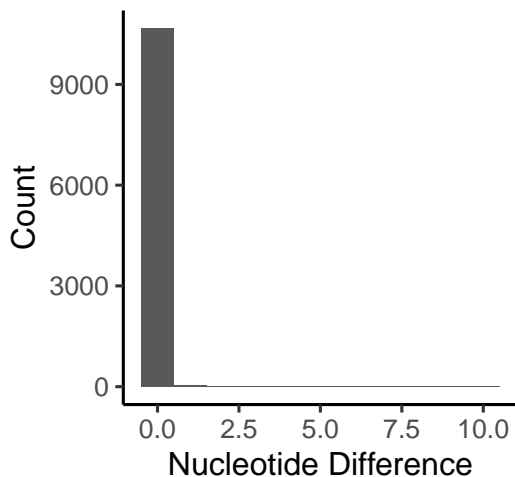
TRBV16*ap01

173 sequences assigned
173 (100%) exact matches, in which:
172 unique CDR3
12 unique J



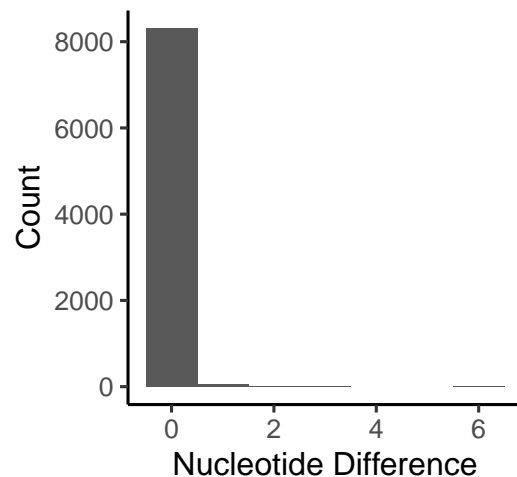
TRBV19*ap01

10735 sequences assigned
10667 (99.4%) exact matches, in which:
10635 unique CDR3
14 unique J



TRBV28*ap01

8371 sequences assigned
8308 (99.2%) exact matches, in which:
8259 unique CDR3
14 unique J



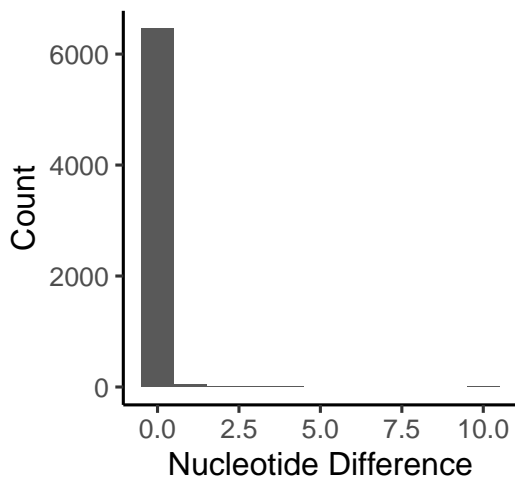
TRBV17*ap01

1 sequences assigned
No exact matches.



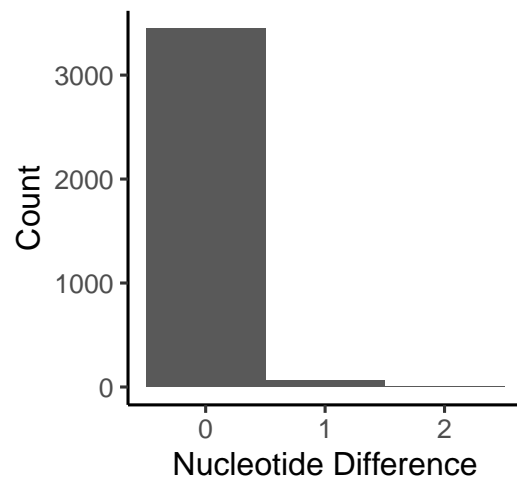
TRBV2*ap01

6510 sequences assigned
6457 (99.2%) exact matches, in which:
6397 unique CDR3
14 unique J



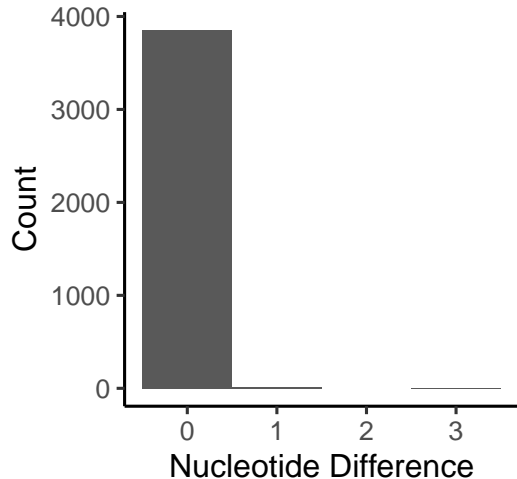
TRBV30*ap01

3506 sequences assigned
3446 (98.3%) exact matches, in which:
3366 unique CDR3
14 unique J



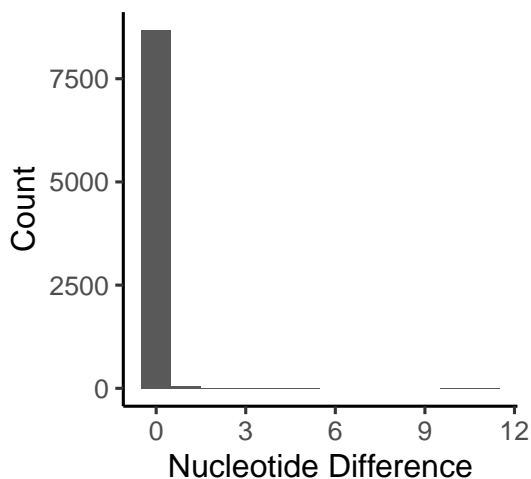
TRBV18*ap01

3871 sequences assigned
3854 (99.6%) exact matches, in which:
3831 unique CDR3
14 unique J



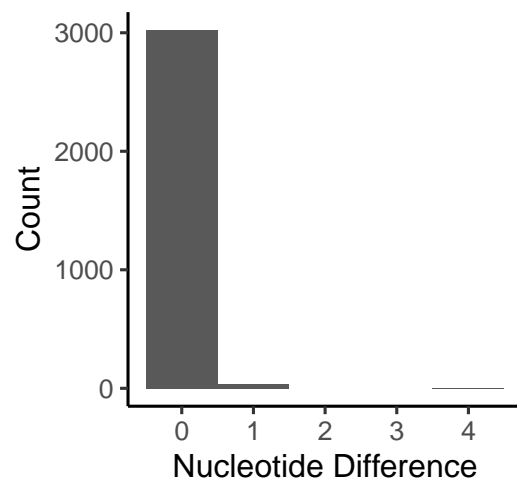
TRBV27*ap01

8748 sequences assigned
8679 (99.2%) exact matches, in which:
8614 unique CDR3
14 unique J



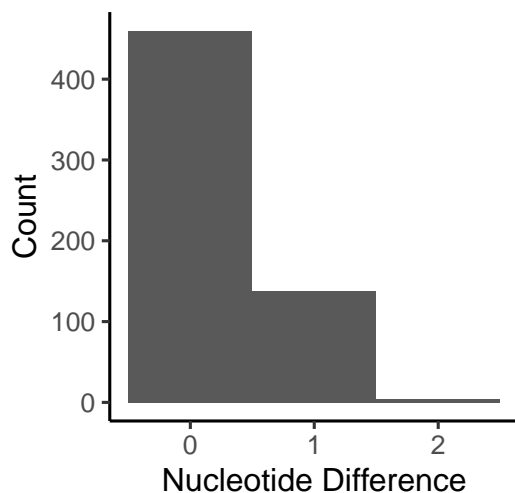
TRBV30*ap02

3061 sequences assigned
3023 (98.8%) exact matches, in which:
2997 unique CDR3
14 unique J



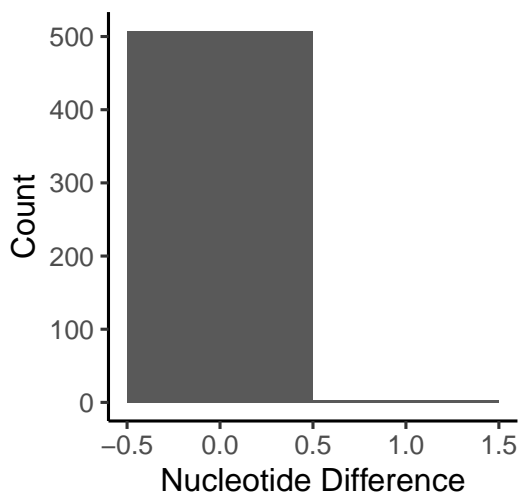
TRBV30*ap03

602 sequences assigned
460 (76.4%) exact matches, in which:
451 unique CDR3
13 unique J



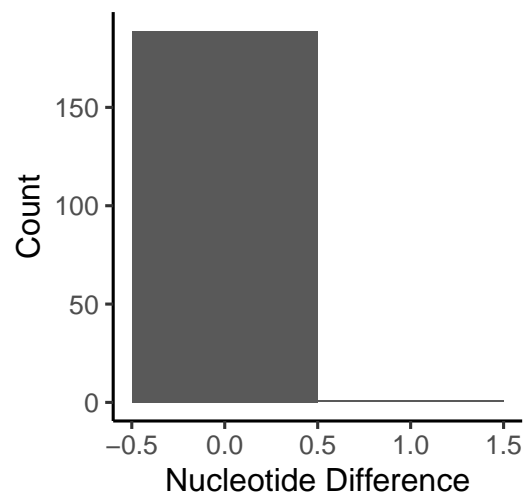
TRBV11-1*ap01

511 sequences assigned
508 (99.4%) exact matches, in which:
507 unique CDR3
14 unique J



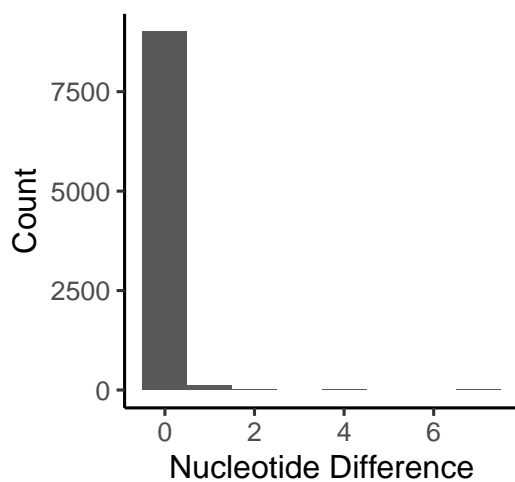
TRBV12-1*ap01

190 sequences assigned
189 (99.5%) exact matches, in which:
189 unique CDR3
13 unique J



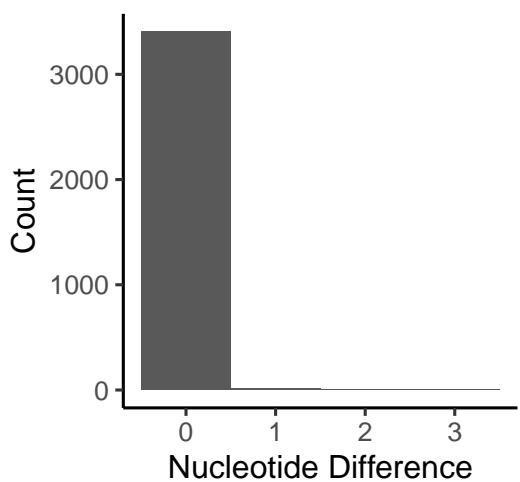
TRBV9*ap01

9129 sequences assigned
9007 (98.7%) exact matches, in which:
8967 unique CDR3
14 unique J



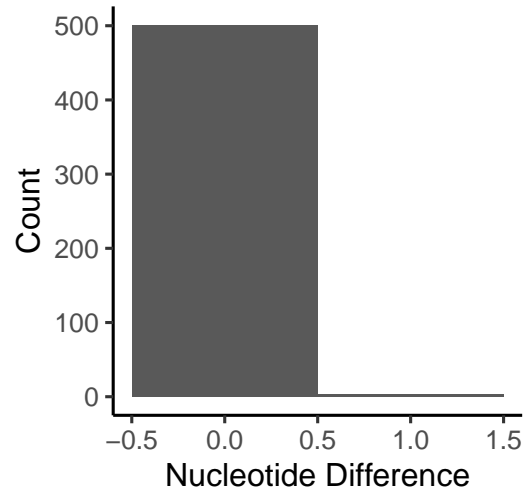
TRBV11-2*ap01

3420 sequences assigned
3405 (99.6%) exact matches, in which:
3393 unique CDR3
14 unique J



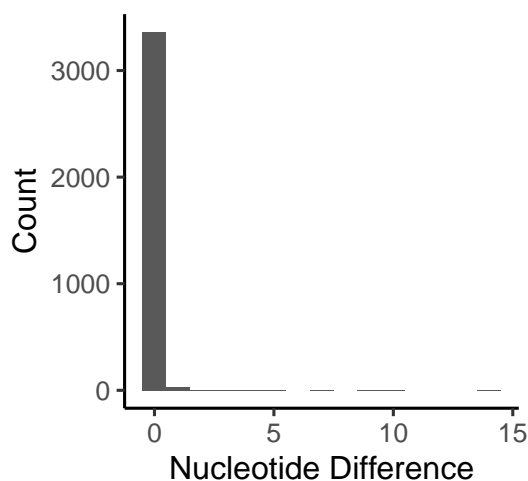
TRBV12-2*ap01

505 sequences assigned
501 (99.2%) exact matches, in which:
497 unique CDR3
13 unique J



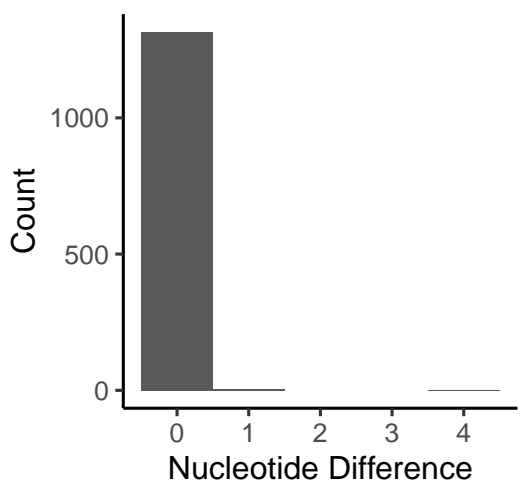
TRBV21-1*ap01

3404 sequences assigned
3361 (98.7%) exact matches, in which:
3346 unique CDR3
14 unique J



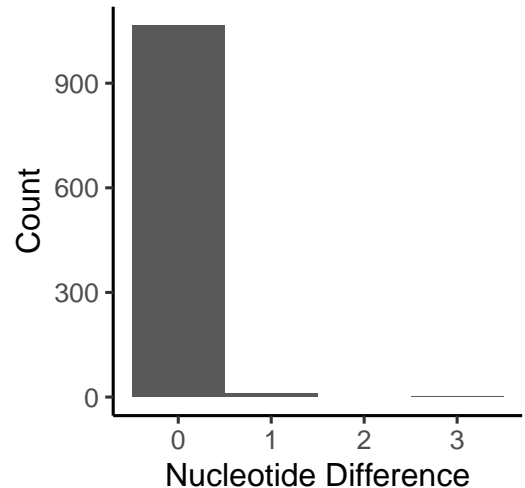
TRBV11-3*ap01

1322 sequences assigned
1315 (99.5%) exact matches, in which:
1308 unique CDR3
14 unique J



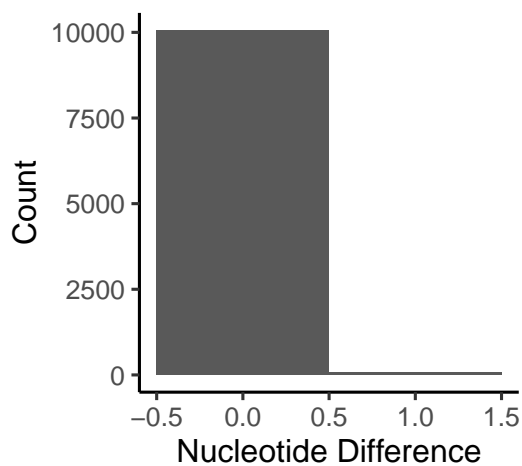
TRBV12-5*ap01

1076 sequences assigned
1066 (99.1%) exact matches, in which:
1060 unique CDR3
14 unique J



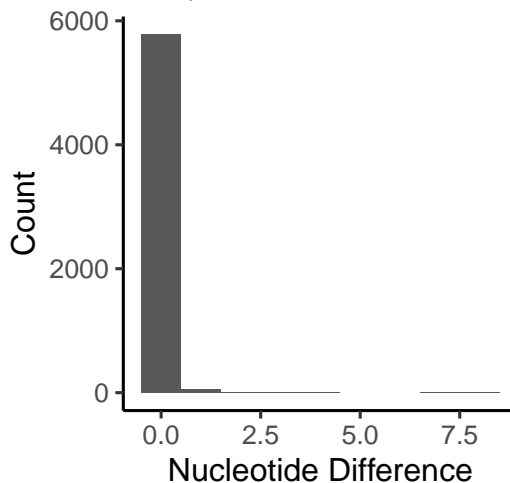
TRBV12–34*ap01

10151 sequences assigned
10065 (99.2%) exact matches, in which:
9986 unique CDR3
14 unique J



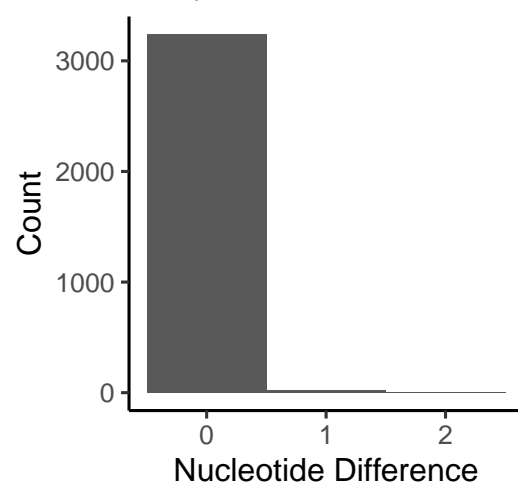
TRBV24–1*ap01

5850 sequences assigned
5781 (98.8%) exact matches, in which:
5737 unique CDR3
14 unique J



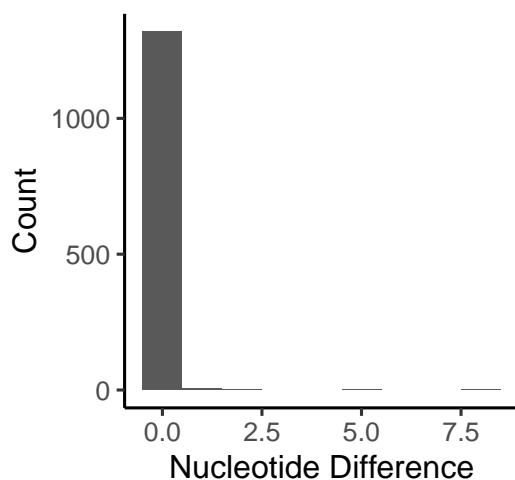
TRBV4–3*ap01

3263 sequences assigned
3239 (99.3%) exact matches, in which:
3196 unique CDR3
13 unique J



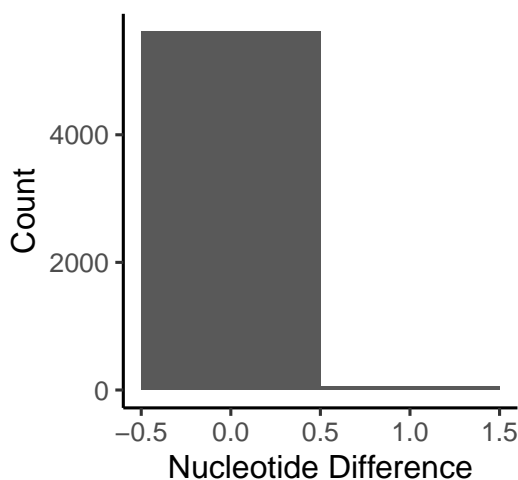
TRBV23–1*ap01

1328 sequences assigned
1319 (99.3%) exact matches, in which:
1306 unique CDR3
14 unique J



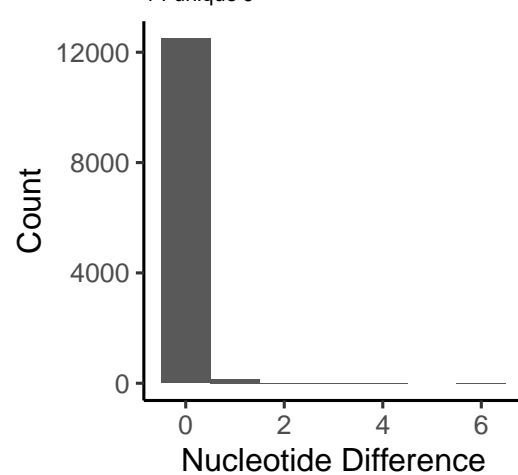
TRBV4–1*ap01

5667 sequences assigned
5615 (99.1%) exact matches, in which:
5552 unique CDR3
14 unique J



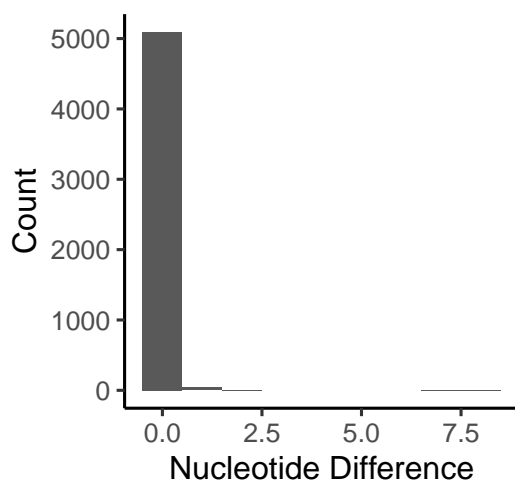
TRBV5–1*ap01

12666 sequences assigned
12499 (98.7%) exact matches, in which:
12374 unique CDR3
14 unique J



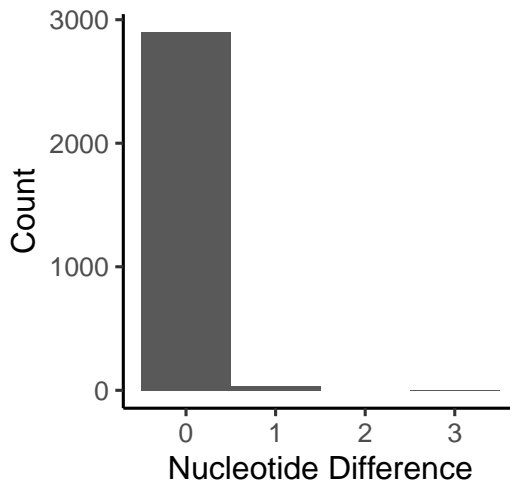
TRBV3–12*ap01

5135 sequences assigned
5093 (99.2%) exact matches, in which:
5075 unique CDR3
14 unique J



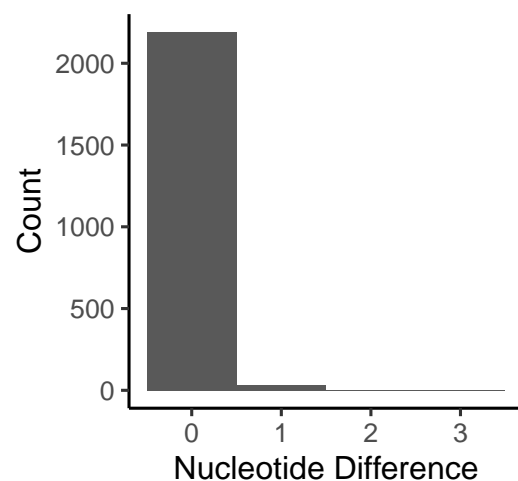
TRBV4–2*ap01

2935 sequences assigned
2900 (98.8%) exact matches, in which:
2876 unique CDR3
14 unique J



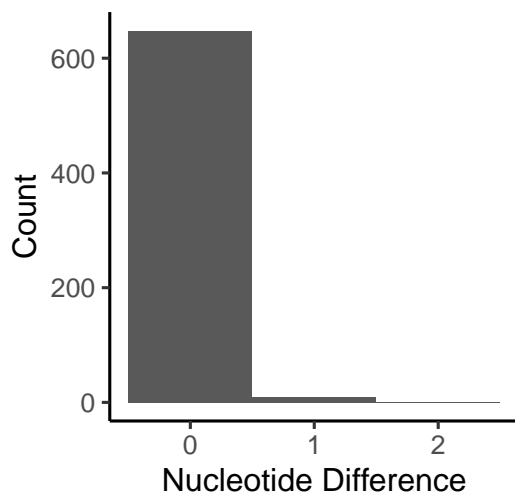
TRBV25–1*ap01

2228 sequences assigned
2191 (98.3%) exact matches, in which:
2166 unique CDR3
14 unique J



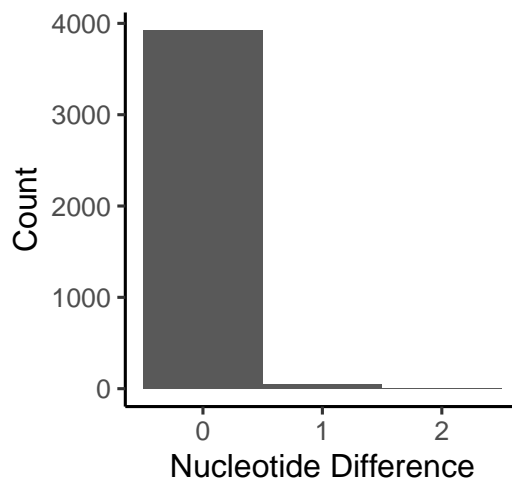
TRBV5-3*ap01

659 sequences assigned
648 (98.3%) exact matches, in which:
646 unique CDR3
14 unique J



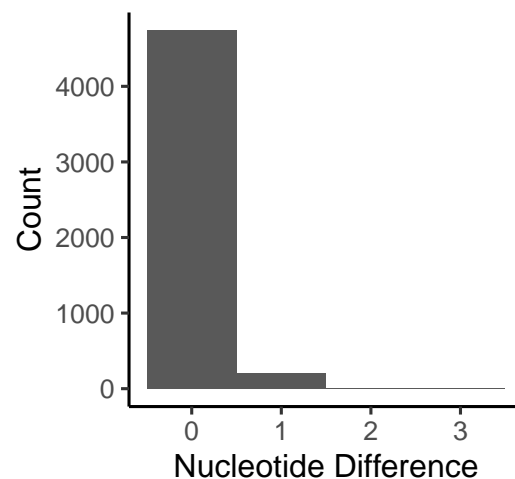
TRBV5-6*ap01

3977 sequences assigned
3923 (98.6%) exact matches, in which:
3860 unique CDR3
14 unique J



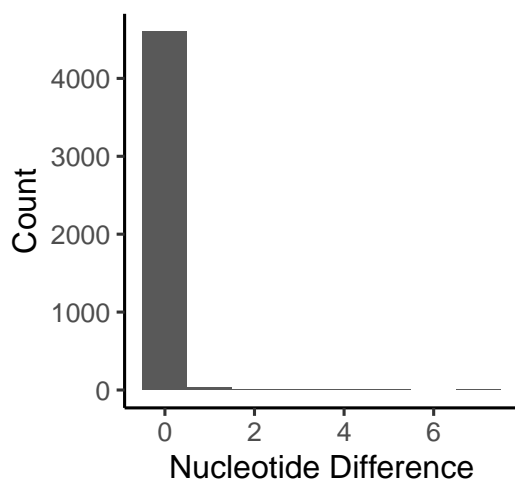
TRBV6-1*ap01

4949 sequences assigned
4740 (95.8%) exact matches, in which:
4671 unique CDR3
14 unique J



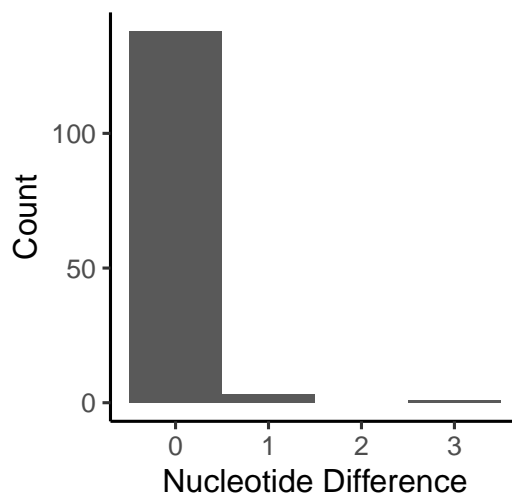
TRBV5-4*ap01

4640 sequences assigned
4599 (99.1%) exact matches, in which:
4559 unique CDR3
14 unique J



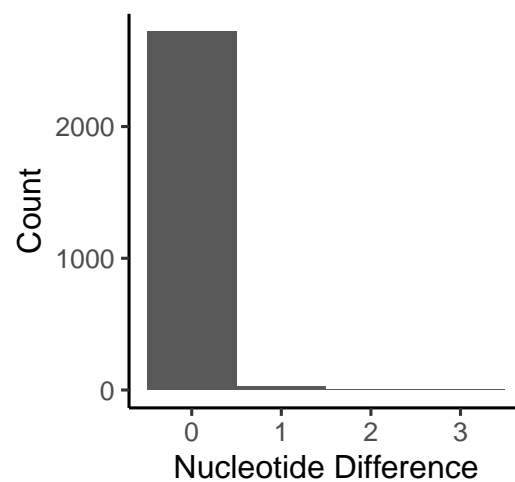
TRBV5-7*ap01

142 sequences assigned
138 (97.2%) exact matches, in which:
137 unique CDR3
14 unique J



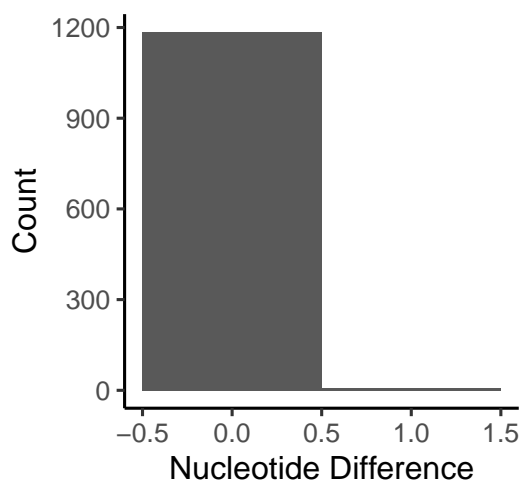
TRBV6-4*ap01

2748 sequences assigned
2720 (99%) exact matches, in which:
2703 unique CDR3
14 unique J



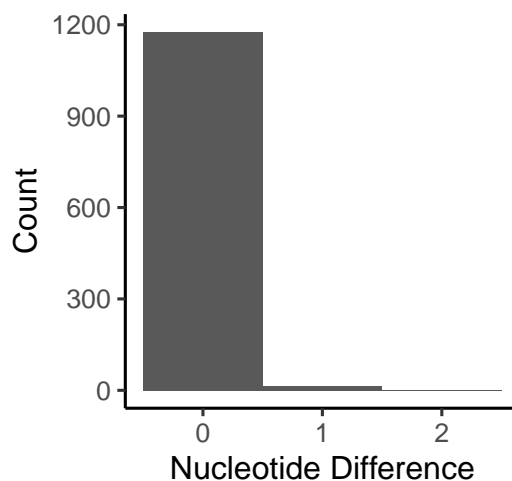
TRBV5-5*ap01

1192 sequences assigned
1185 (99.4%) exact matches, in which:
1177 unique CDR3
14 unique J



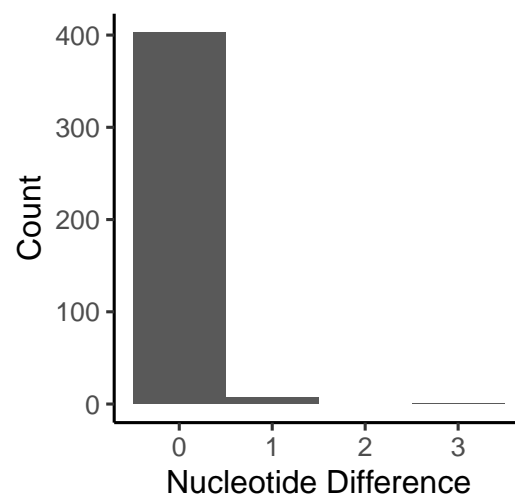
TRBV5-8*ap01

1192 sequences assigned
1176 (98.7%) exact matches, in which:
1174 unique CDR3
14 unique J



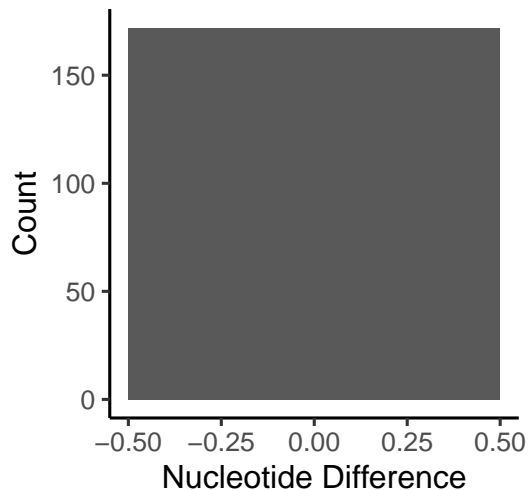
TRBV6-7*ap01

411 sequences assigned
403 (98.1%) exact matches, in which:
395 unique CDR3
14 unique J



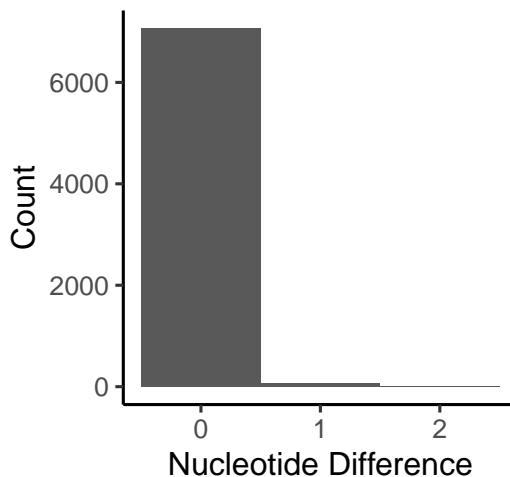
TRBV6-8*ap01

172 sequences assigned
172 (100%) exact matches, in which:
169 unique CDR3
13 unique J



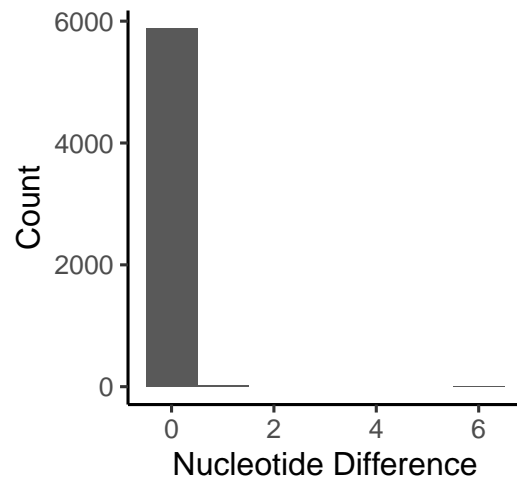
TRBV6-56*ap01

7132 sequences assigned
7065 (99.1%) exact matches, in which:
6955 unique CDR3
14 unique J



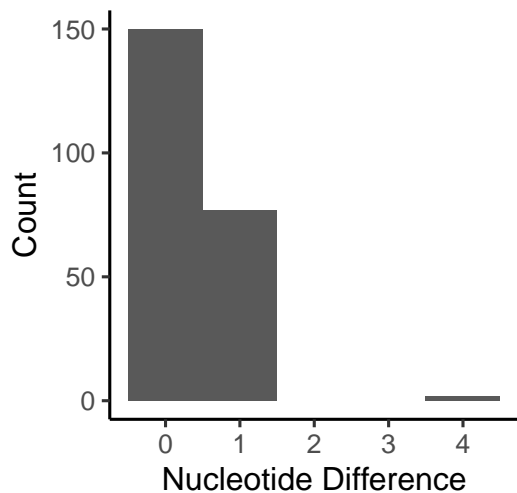
TRBV7-2*ap01

5901 sequences assigned
5881 (99.7%) exact matches, in which:
5838 unique CDR3
14 unique J



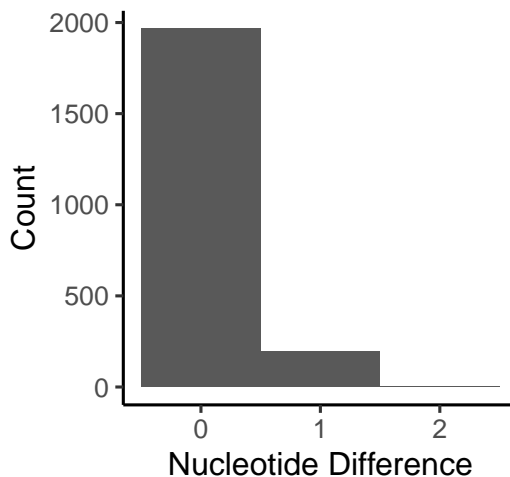
TRBV6-9*ap01

229 sequences assigned
150 (65.5%) exact matches, in which:
146 unique CDR3
14 unique J



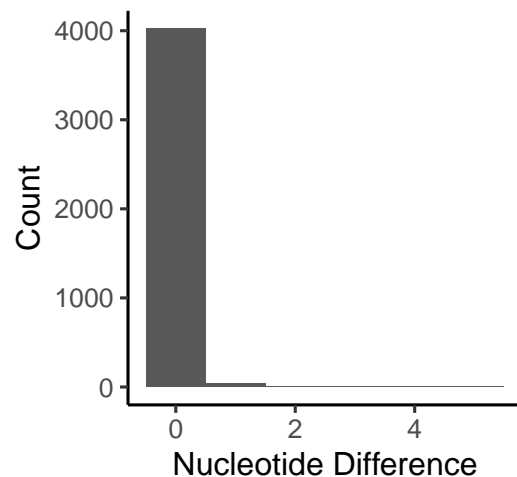
TRBV6-56*ap02

2165 sequences assigned
1966 (90.8%) exact matches, in which:
1927 unique CDR3
14 unique J



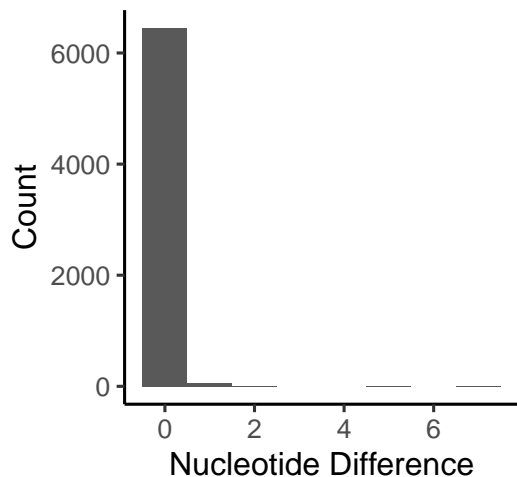
TRBV7-3*ap01

4071 sequences assigned
4022 (98.8%) exact matches, in which:
4001 unique CDR3
14 unique J



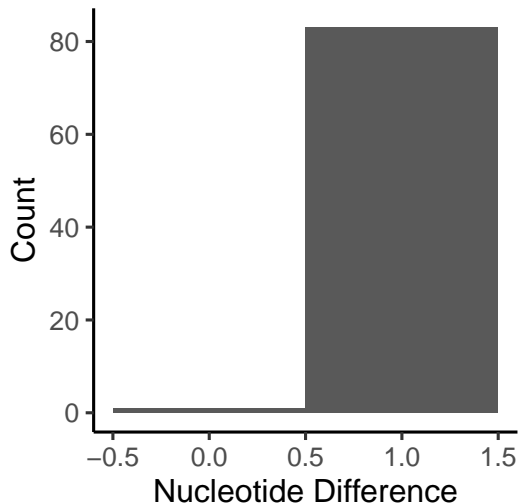
TRBV6-23*ap01

6510 sequences assigned
6449 (99.1%) exact matches, in which:
6349 unique CDR3
14 unique J



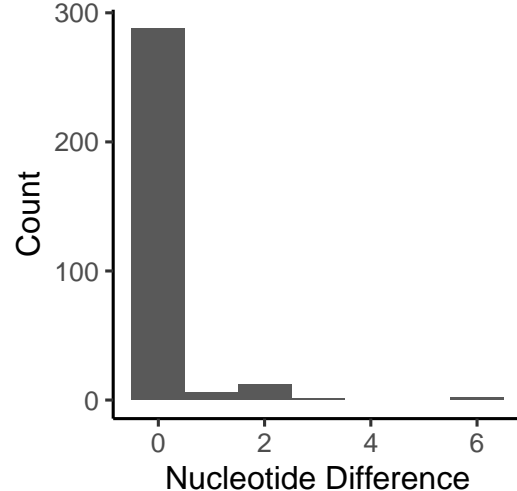
TRBV7-1*ap01_T296C

84 sequences assigned
1 (1.2%) exact matches, in which:
1 unique CDR3
1 unique J



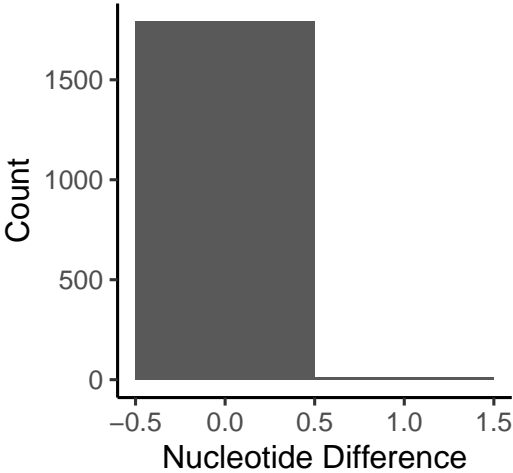
TRBV7-4*ap01

309 sequences assigned
288 (93.2%) exact matches, in which:
283 unique CDR3
14 unique J



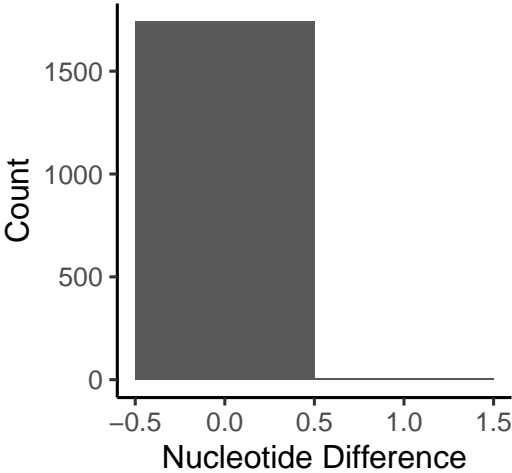
TRBV7-6*ap01

1805 sequences assigned
1792 (99.3%) exact matches, in which:
1781 unique CDR3
14 unique J



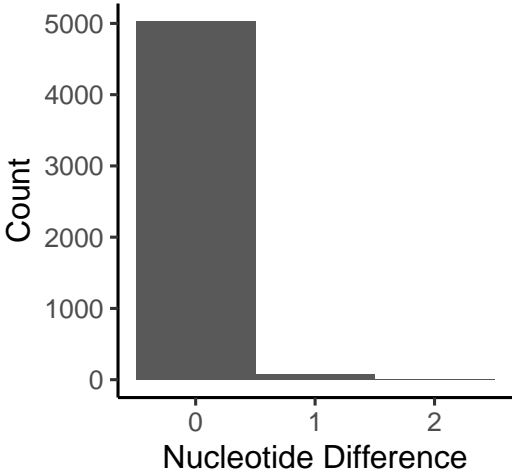
TRBV7-8*ap01

1750 sequences assigned
1742 (99.5%) exact matches, in which:
1732 unique CDR3
14 unique J



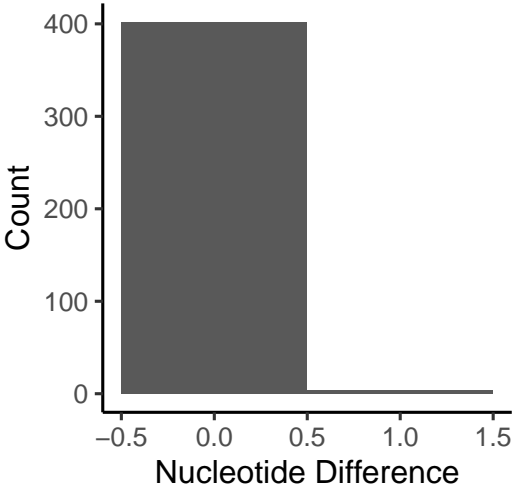
TRBV29-1*ap01

5111 sequences assigned
5028 (98.4%) exact matches, in which:
4933 unique CDR3
14 unique J



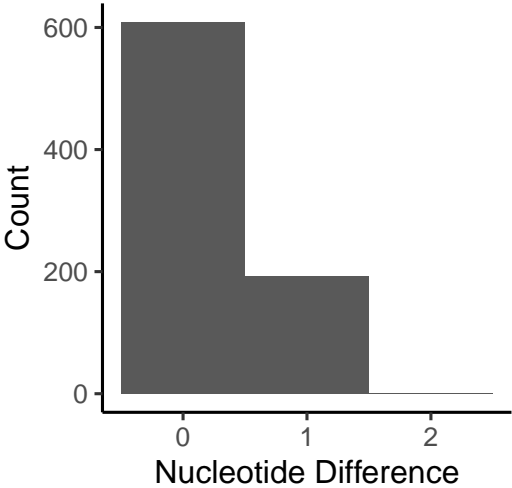
TRBV7-7*ap01

406 sequences assigned
402 (99%) exact matches, in which:
401 unique CDR3
14 unique J



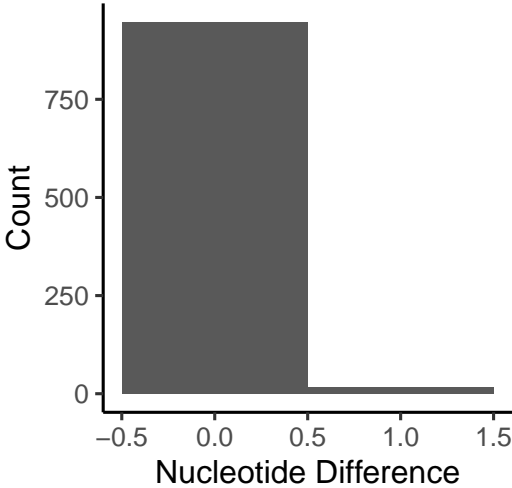
TRBV7-8*ap03

802 sequences assigned
609 (75.9%) exact matches, in which:
605 unique CDR3
13 unique J



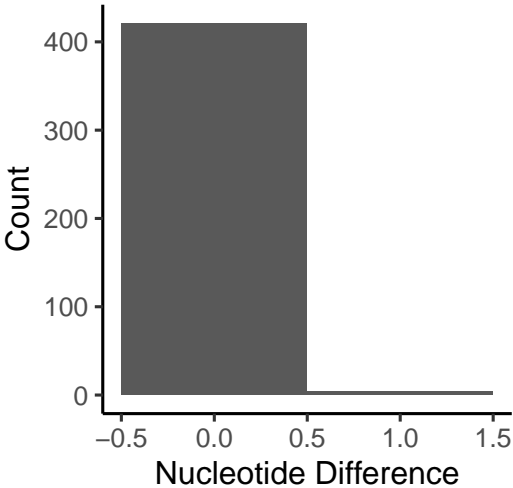
TRBV29-1*ap02

964 sequences assigned
947 (98.2%) exact matches, in which:
931 unique CDR3
14 unique J



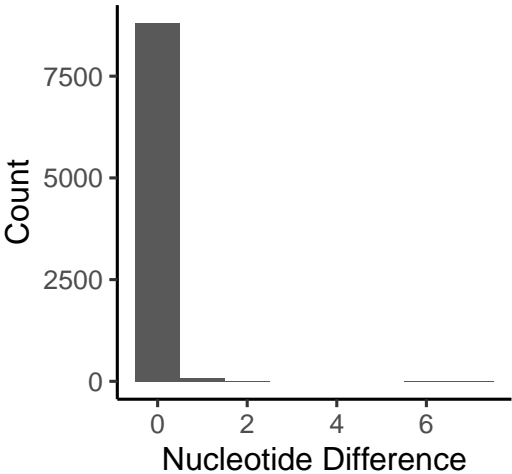
TRBV7-7*ap01_C315T

425 sequences assigned
421 (99.1%) exact matches, in which:
413 unique CDR3
13 unique J

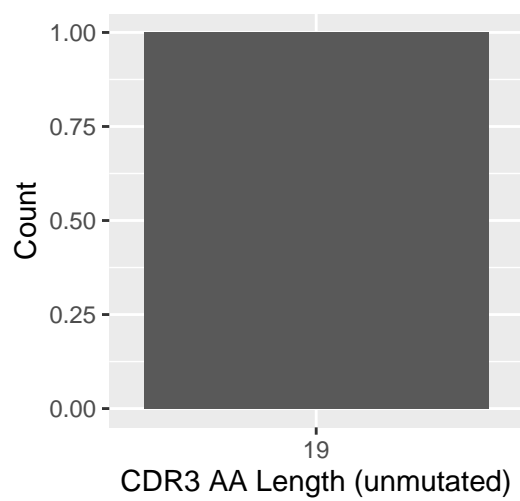


TRBV7-9*ap01

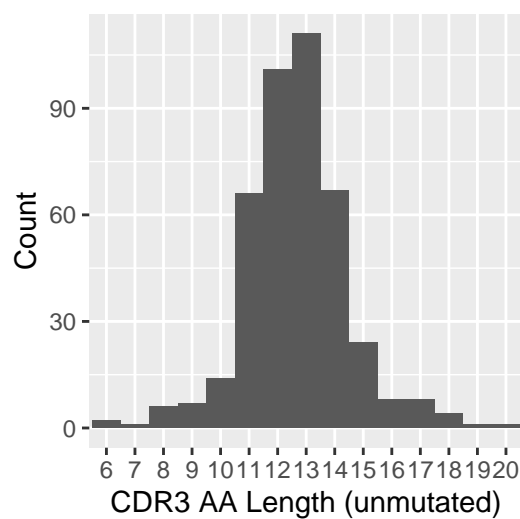
8897 sequences assigned
8806 (99%) exact matches, in which:
8750 unique CDR3
14 unique J

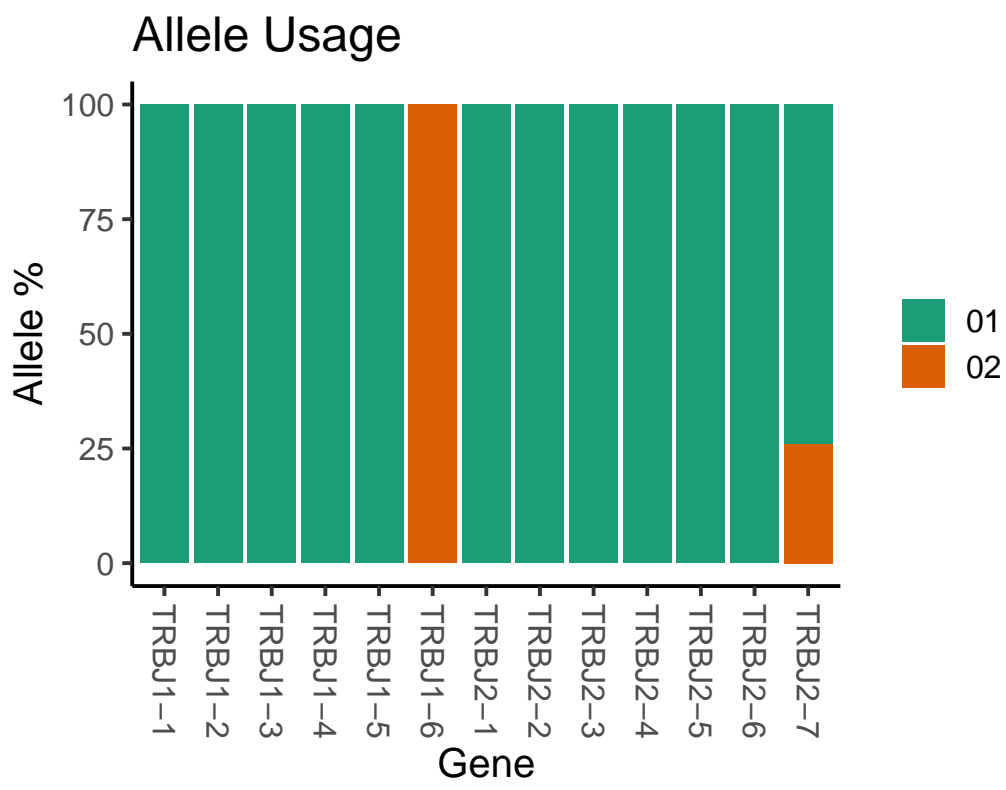


TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

