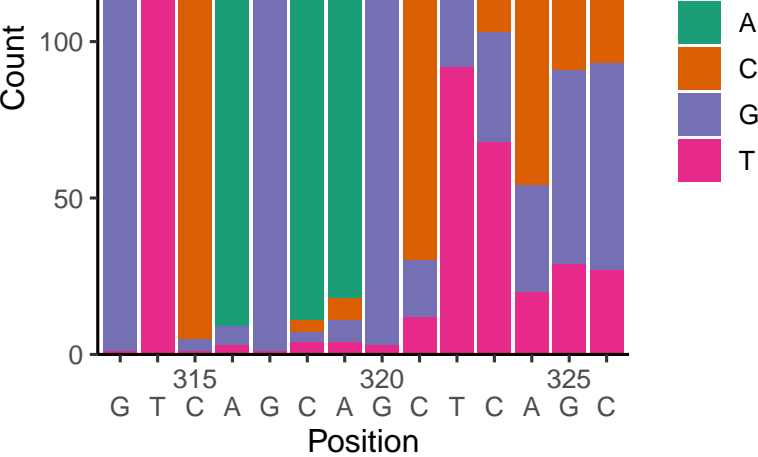


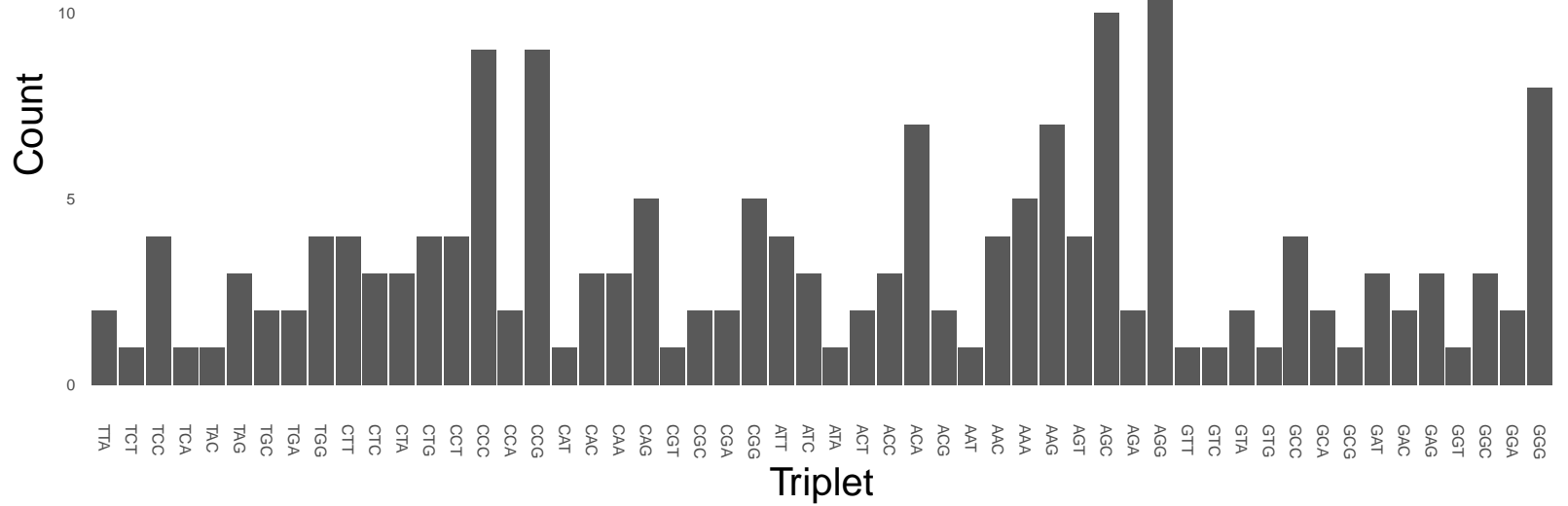
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

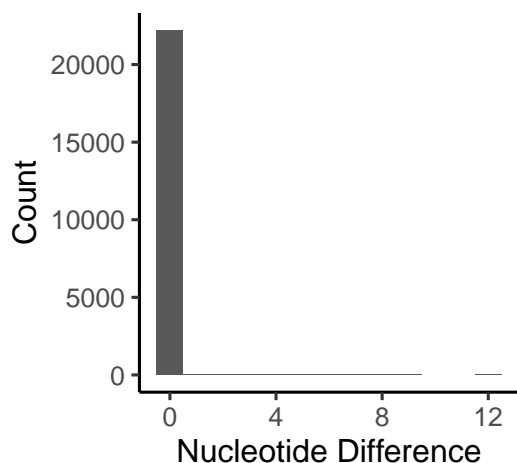


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



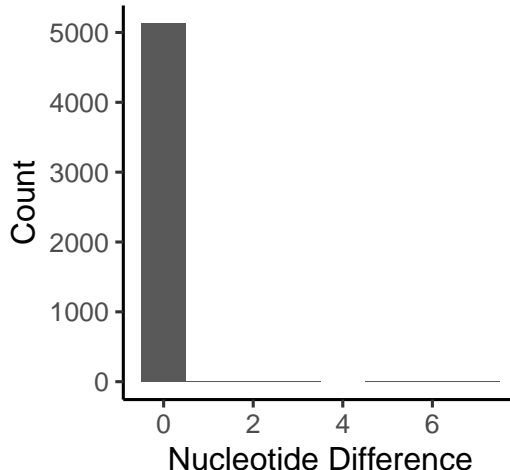
TRBV20-1*ap01

22310 sequences assigned
22217 (99.6%) exact matches, in which:
22192 unique CDR3
15 unique J



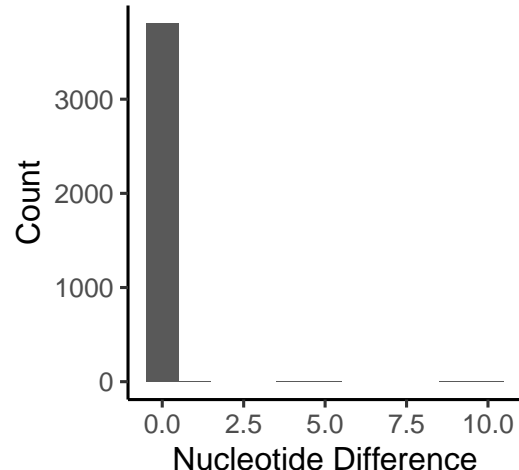
TRBV10-3*ap01

5149 sequences assigned
5130 (99.6%) exact matches, in which:
5128 unique CDR3
14 unique J



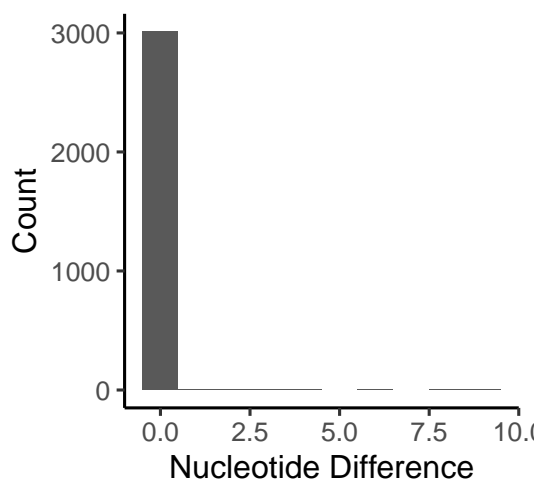
TRBV14*ap01

3812 sequences assigned
3805 (99.8%) exact matches, in which:
3803 unique CDR3
14 unique J



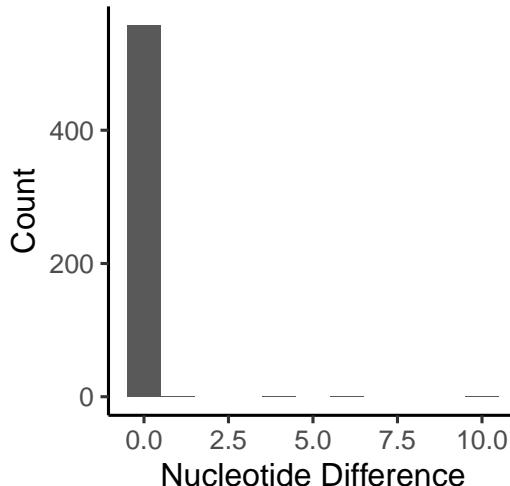
TRBV10-1*ap01

3019 sequences assigned
3010 (99.7%) exact matches, in which:
3008 unique CDR3
14 unique J



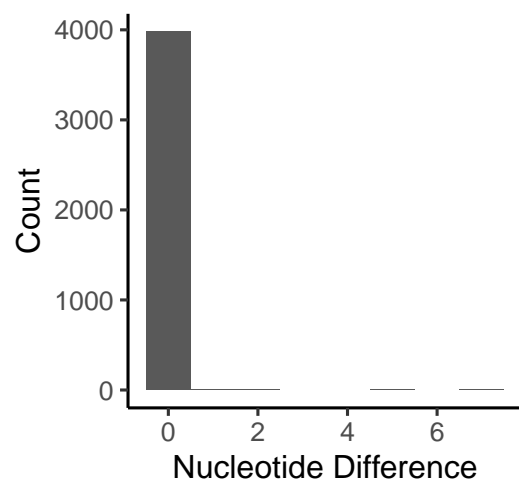
TRBV1*ap01

562 sequences assigned
558 (99.3%) exact matches, in which:
556 unique CDR3
14 unique J



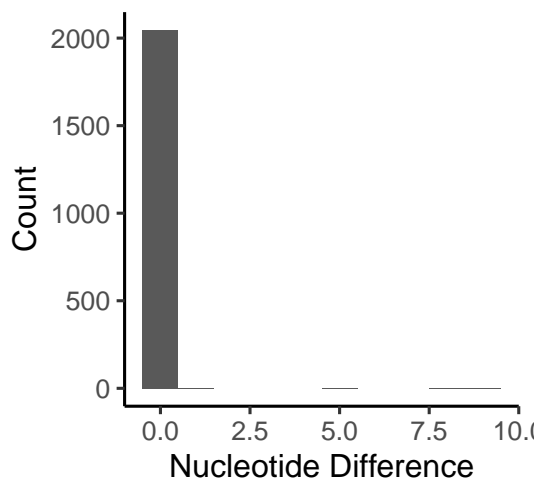
TRBV15*ap02

3986 sequences assigned
3979 (99.8%) exact matches, in which:
3974 unique CDR3
14 unique J



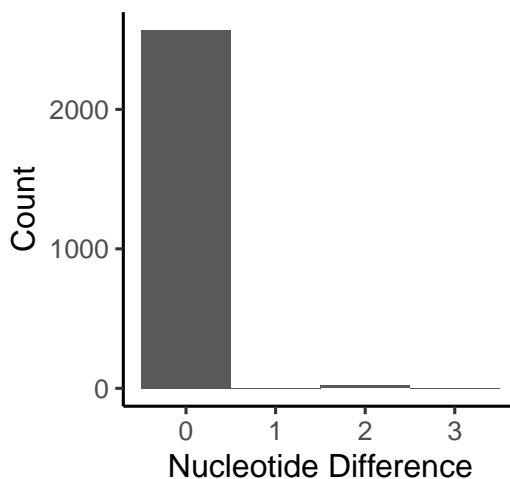
TRBV10-2*ap01

2051 sequences assigned
2046 (99.8%) exact matches, in which:
2046 unique CDR3
14 unique J



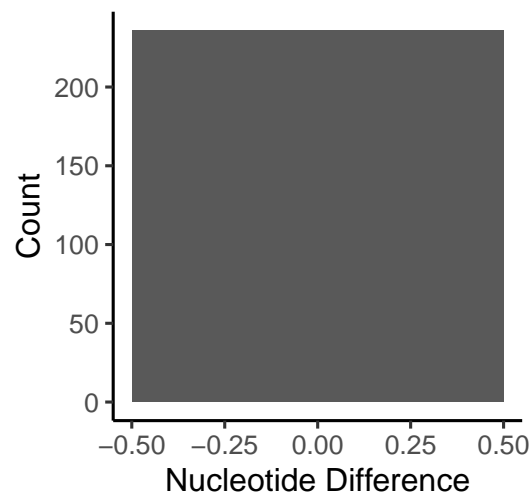
TRBV13*ap01

2593 sequences assigned
2569 (99.1%) exact matches, in which:
2562 unique CDR3
14 unique J



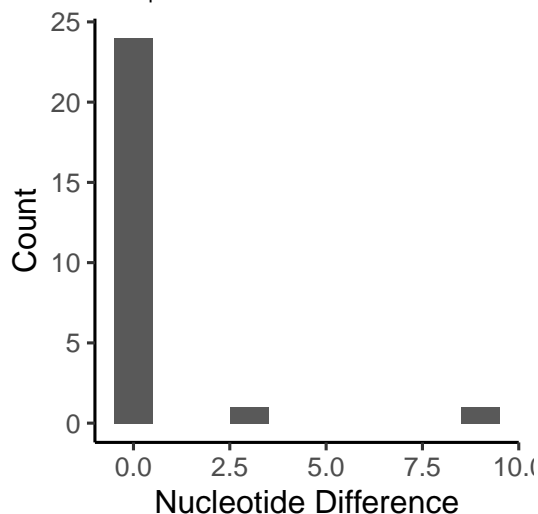
TRBV16*ap01

236 sequences assigned
236 (100%) exact matches, in which:
236 unique CDR3
14 unique J



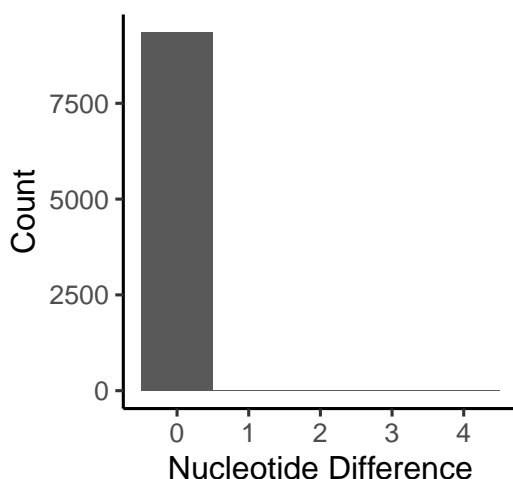
TRBV17*ap01

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



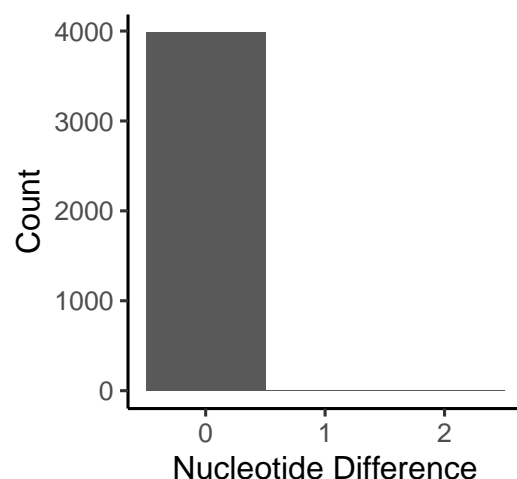
TRBV2*ap01

9385 sequences assigned
9351 (99.6%) exact matches, in which:
9335 unique CDR3
14 unique J



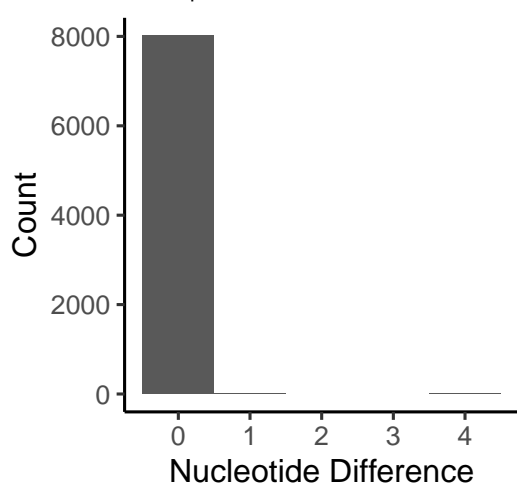
TRBV28*ap01

3990 sequences assigned
3985 (99.9%) exact matches, in which:
3984 unique CDR3
14 unique J



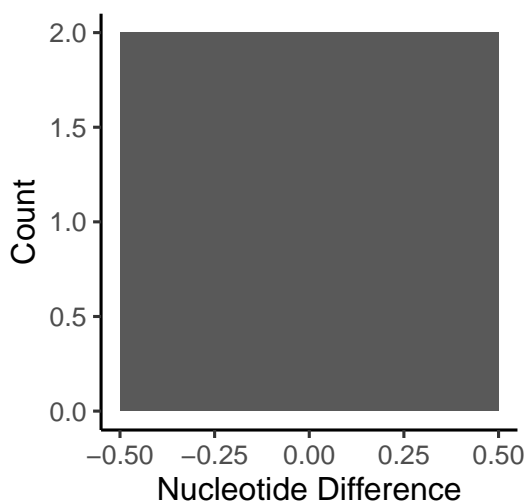
TRBV18*ap01

8024 sequences assigned
8015 (99.9%) exact matches, in which:
8015 unique CDR3
14 unique J



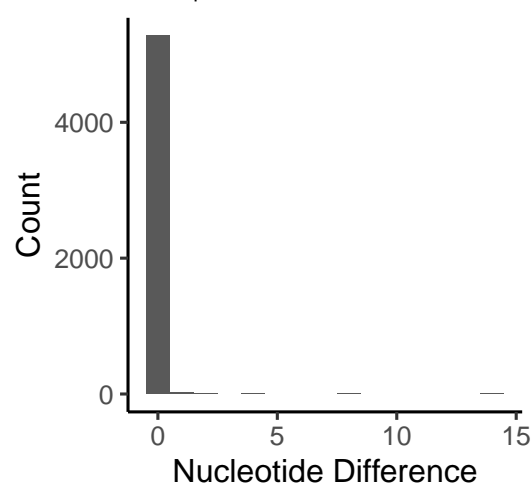
TRBV26*ap01

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



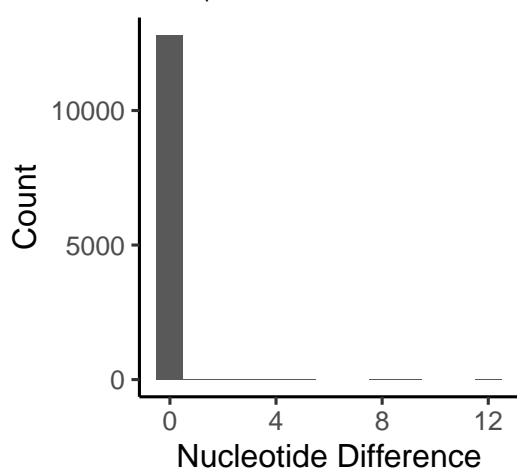
TRBV30*ap01

5300 sequences assigned
5275 (99.5%) exact matches, in which:
5267 unique CDR3
13 unique J



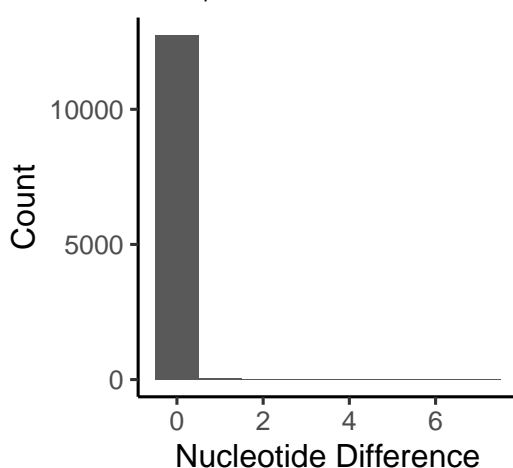
TRBV19*ap01

12844 sequences assigned
12815 (99.8%) exact matches, in which:
12815 unique CDR3
14 unique J



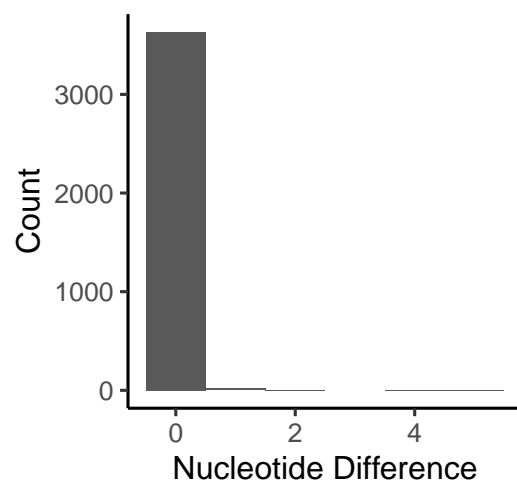
TRBV27*ap01

12806 sequences assigned
12757 (99.6%) exact matches, in which:
12733 unique CDR3
14 unique J



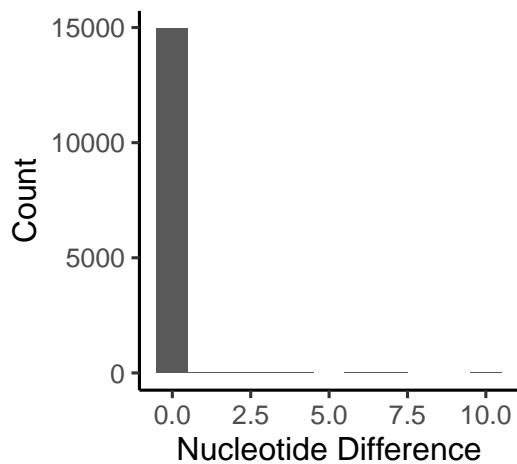
TRBV30*ap02

3653 sequences assigned
3632 (99.4%) exact matches, in which:
3625 unique CDR3
14 unique J



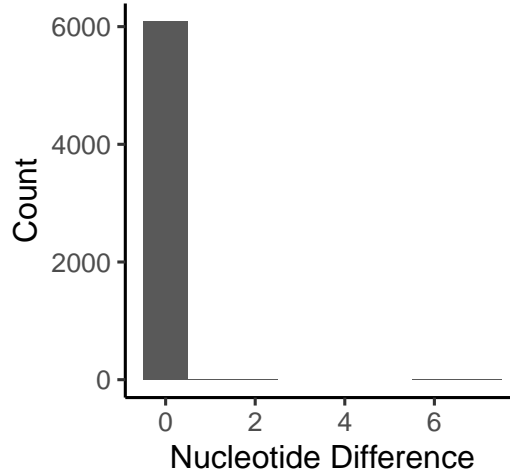
TRBV9*ap01

15007 sequences assigned
14973 (99.8%) exact matches, in which:
14954 unique CDR3
14 unique J



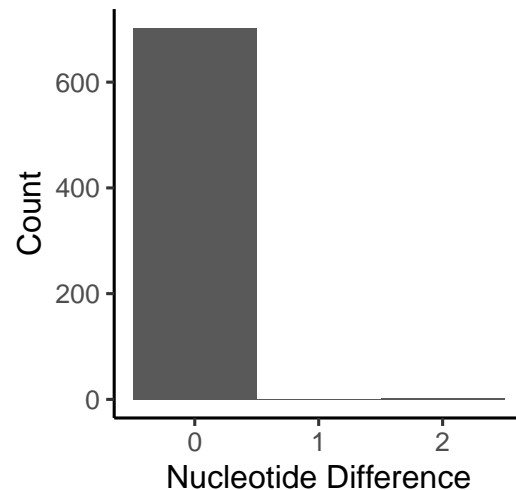
TRBV11-2*ap01

6101 sequences assigned
6089 (99.8%) exact matches, in which:
6087 unique CDR3
14 unique J



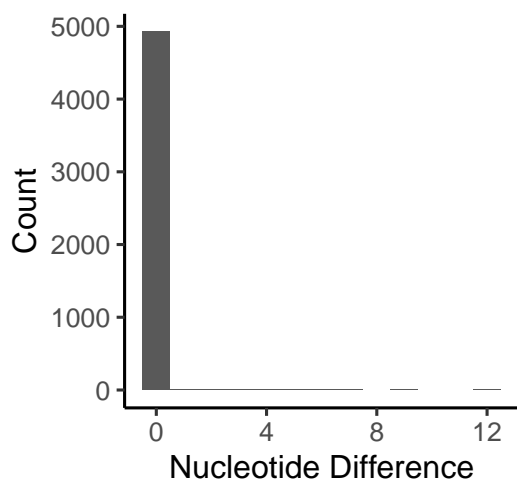
TRBV12-2*ap01

706 sequences assigned
703 (99.6%) exact matches, in which:
700 unique CDR3
14 unique J



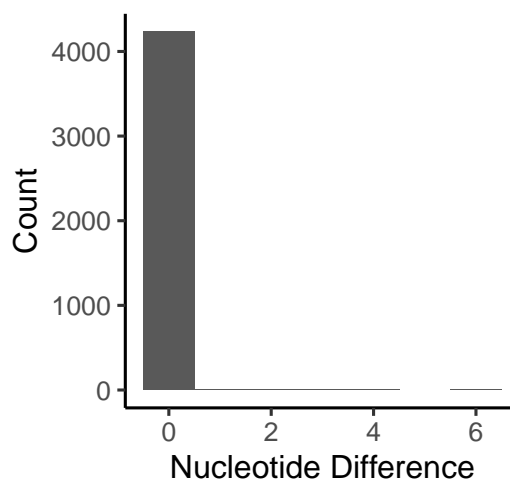
TRBV21-1*ap01

4948 sequences assigned
4926 (99.6%) exact matches, in which:
4926 unique CDR3
14 unique J



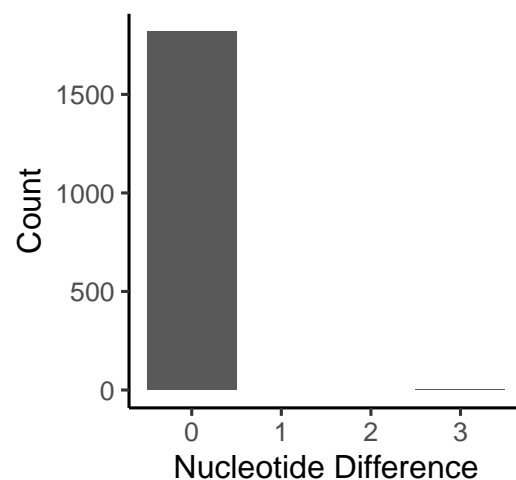
TRBV11-3*ap01

4246 sequences assigned
4233 (99.7%) exact matches, in which:
4232 unique CDR3
14 unique J



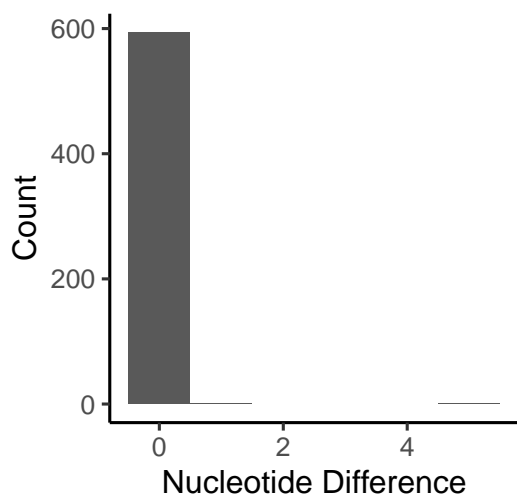
TRBV12-5*ap01

1819 sequences assigned
1818 (99.9%) exact matches, in which:
1818 unique CDR3
14 unique J



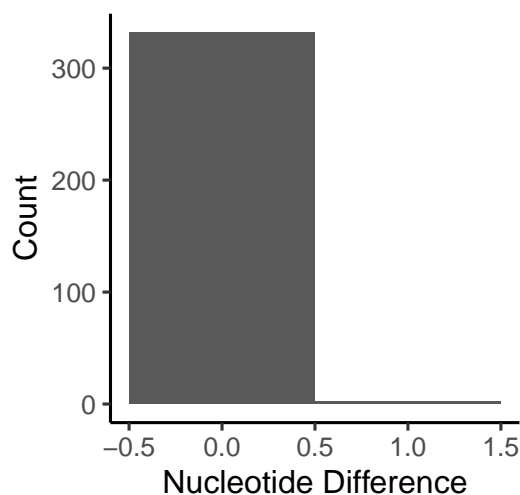
TRBV11-1*ap01

596 sequences assigned
594 (99.7%) exact matches, in which:
592 unique CDR3
14 unique J



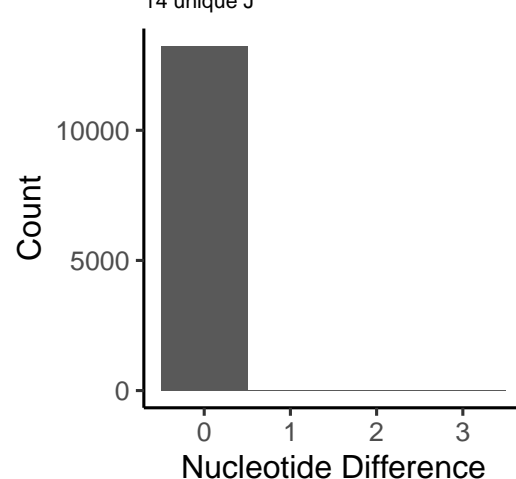
TRBV12-1*ap01

334 sequences assigned
332 (99.4%) exact matches, in which:
332 unique CDR3
14 unique J



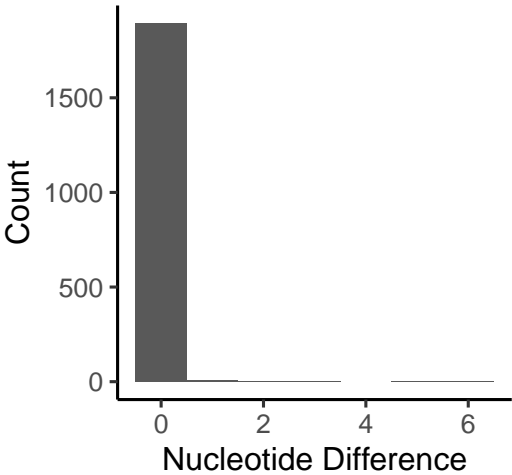
TRBV12-34*ap01

13277 sequences assigned
13247 (99.8%) exact matches, in which:
13239 unique CDR3
14 unique J



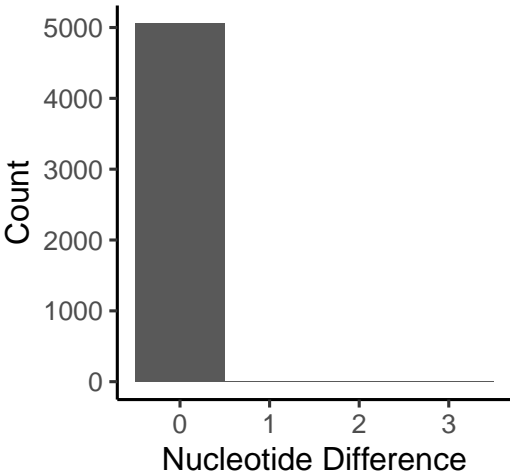
TRBV23-1*ap01

1907 sequences assigned
1893 (99.3%) exact matches, in which:
1893 unique CDR3
14 unique J



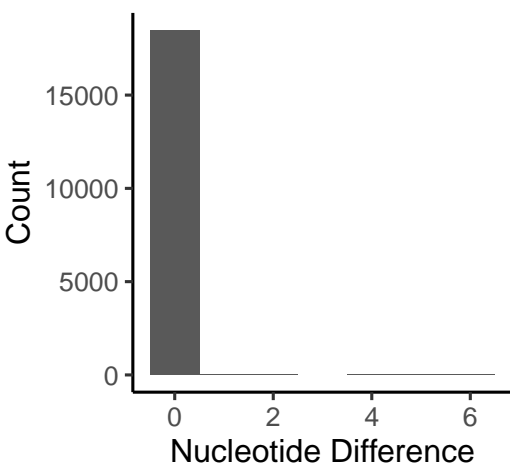
TRBV4-1*ap01

5071 sequences assigned
5058 (99.7%) exact matches, in which:
5049 unique CDR3
14 unique J



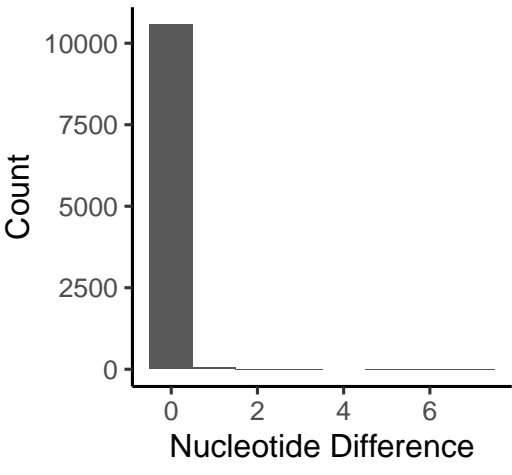
TRBV5-1*ap01

18518 sequences assigned
18481 (99.8%) exact matches, in which:
18444 unique CDR3
14 unique J



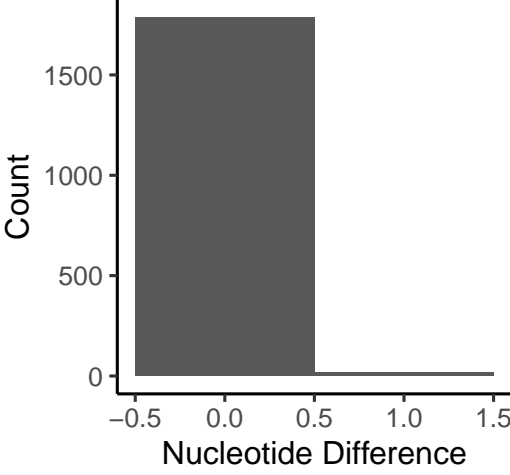
TRBV3-12*ap01

10643 sequences assigned
10575 (99.4%) exact matches, in which:
10559 unique CDR3
14 unique J



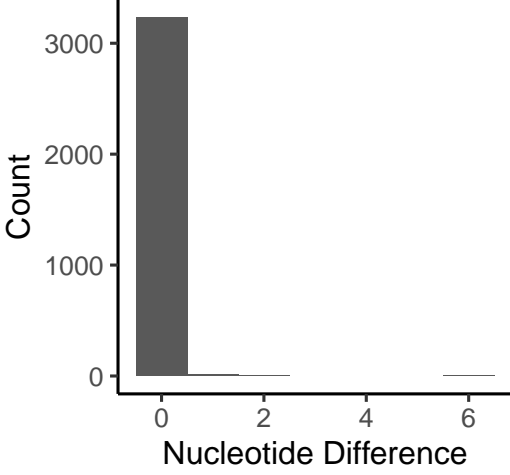
TRBV4-2*ap01

1800 sequences assigned
1785 (99.2%) exact matches, in which:
1784 unique CDR3
14 unique J



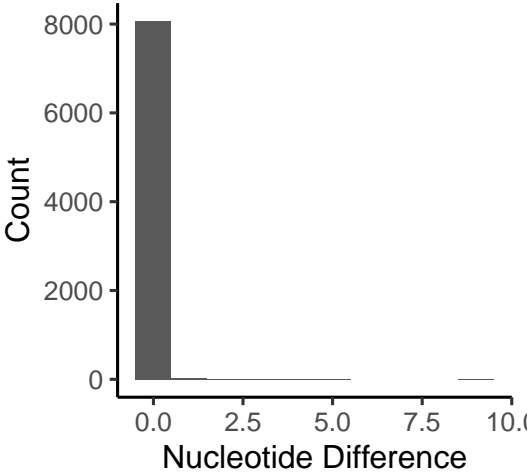
TRBV25-1*ap01

3248 sequences assigned
3230 (99.4%) exact matches, in which:
3221 unique CDR3
14 unique J



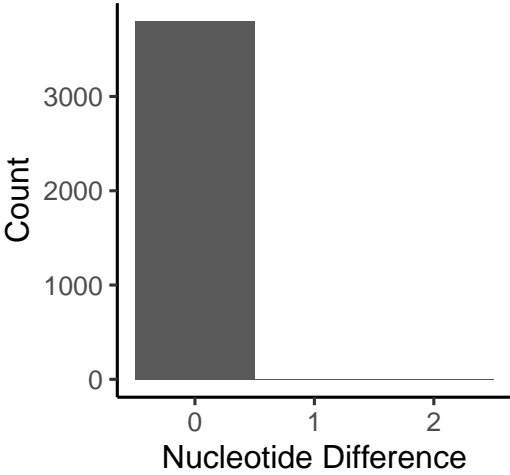
TRBV24-1*ap01

8117 sequences assigned
8068 (99.4%) exact matches, in which:
8057 unique CDR3
14 unique J



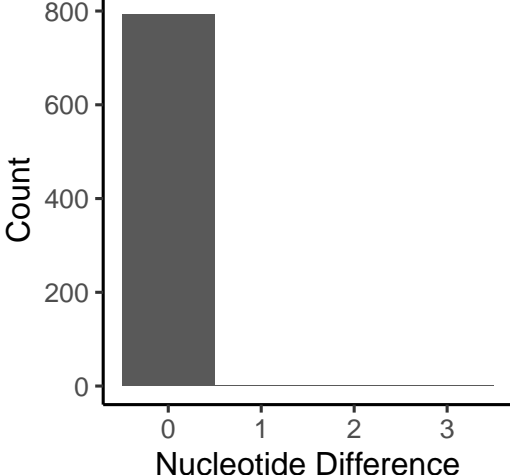
TRBV4-3*ap01

3805 sequences assigned
3800 (99.9%) exact matches, in which:
3798 unique CDR3
14 unique J



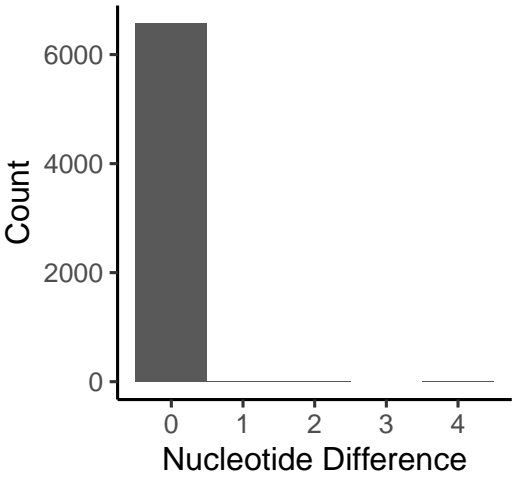
TRBV5-3*ap01

797 sequences assigned
793 (99.5%) exact matches, in which:
793 unique CDR3
14 unique J



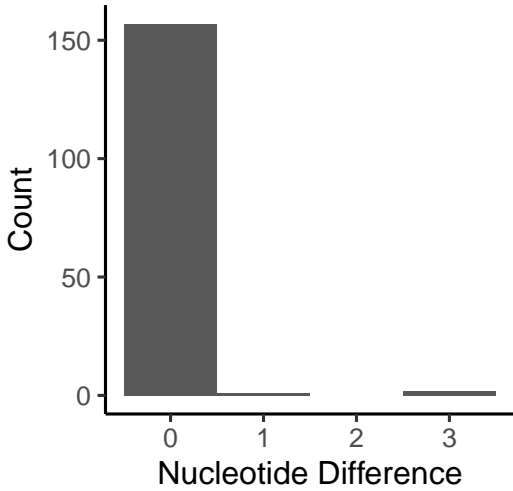
TRBV5-4*ap01

6587 sequences assigned
6572 (99.8%) exact matches, in which:
6571 unique CDR3
14 unique J



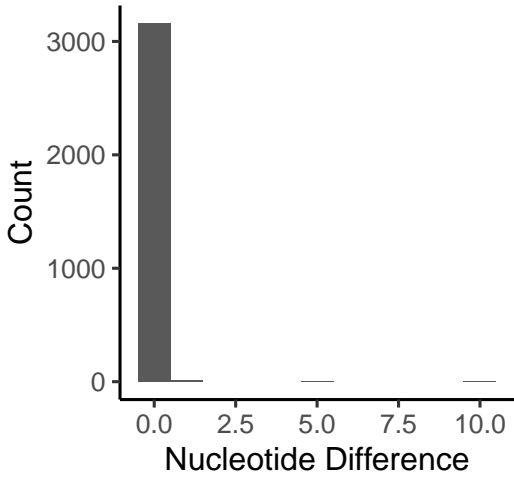
TRBV5-7*ap01

160 sequences assigned
157 (98.1%) exact matches, in which:
157 unique CDR3
14 unique J



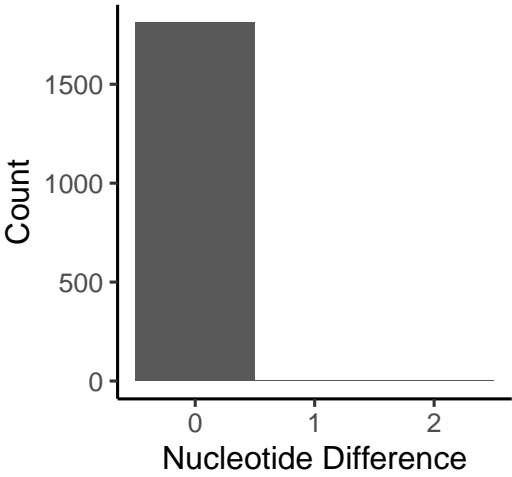
TRBV6-4*ap01

3173 sequences assigned
3159 (99.6%) exact matches, in which:
3156 unique CDR3
14 unique J



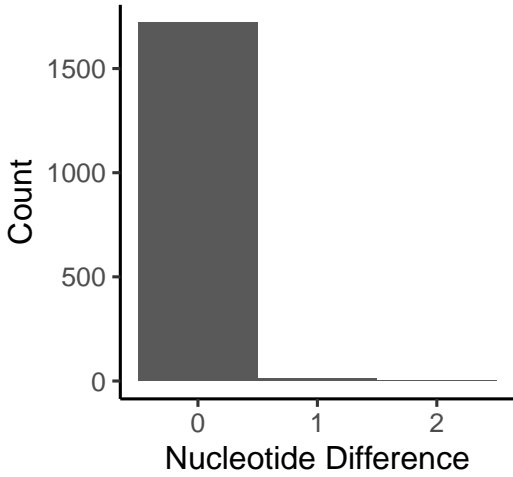
TRBV5-5*ap01

1817 sequences assigned
1811 (99.7%) exact matches, in which:
1810 unique CDR3
14 unique J



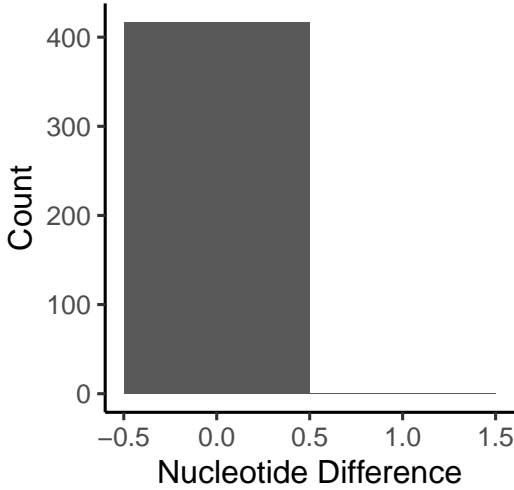
TRBV5-8*ap01

1731 sequences assigned
1720 (99.4%) exact matches, in which:
1720 unique CDR3
14 unique J



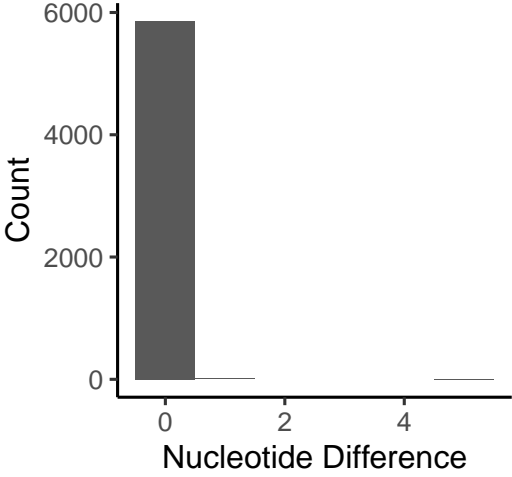
TRBV6-7*ap01

418 sequences assigned
417 (99.8%) exact matches, in which:
417 unique CDR3
14 unique J



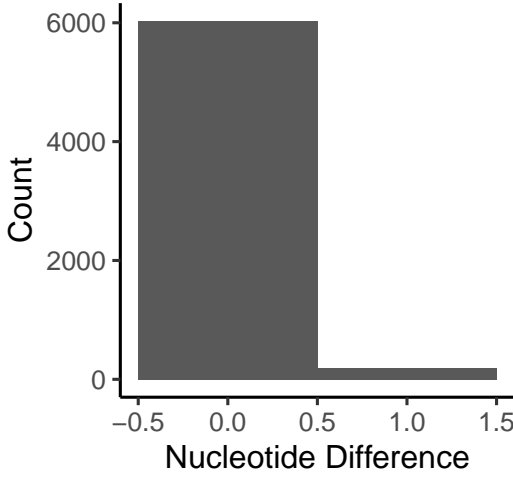
TRBV5-6*ap01

5877 sequences assigned
5860 (99.7%) exact matches, in which:
5837 unique CDR3
14 unique J



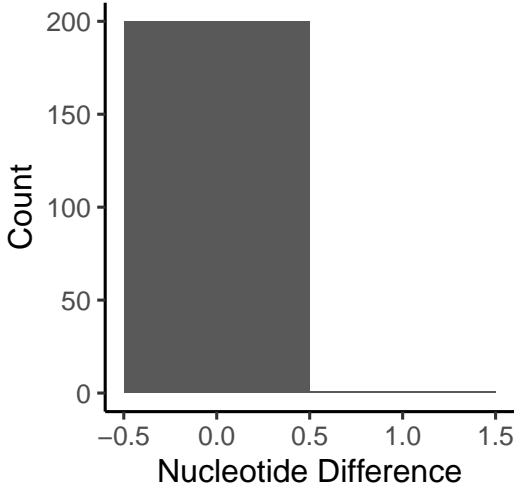
TRBV6-1*ap01

6217 sequences assigned
6029 (97%) exact matches, in which:
6015 unique CDR3
14 unique J



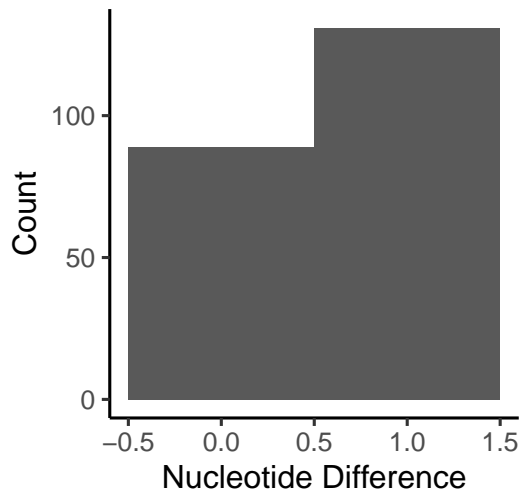
TRBV6-8*ap01

201 sequences assigned
200 (99.5%) exact matches, in which:
200 unique CDR3
14 unique J



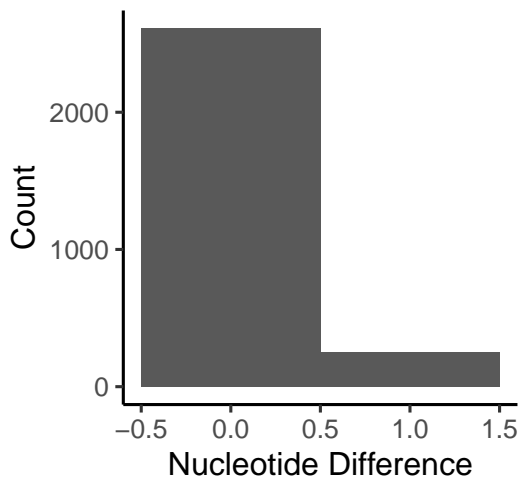
TRBV6–9*ap01

220 sequences assigned
89 (40.5%) exact matches, in which:
89 unique CDR3
12 unique J



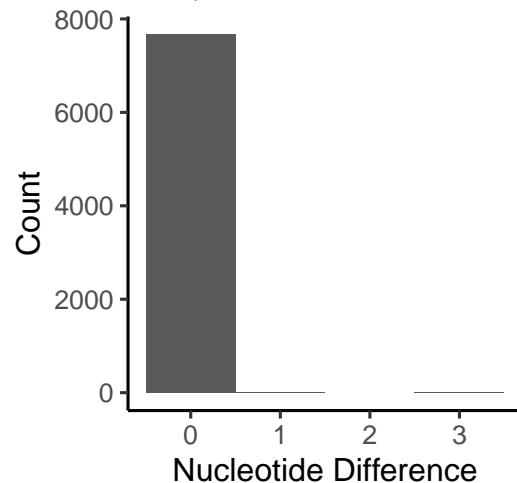
TRBV6–56*ap02

2862 sequences assigned
2611 (91.2%) exact matches, in which:
2605 unique CDR3
14 unique J



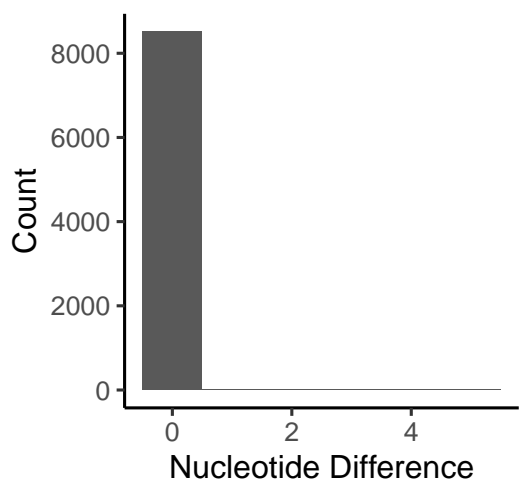
TRBV7–2*ap01

7680 sequences assigned
7669 (99.9%) exact matches, in which:
7668 unique CDR3
14 unique J



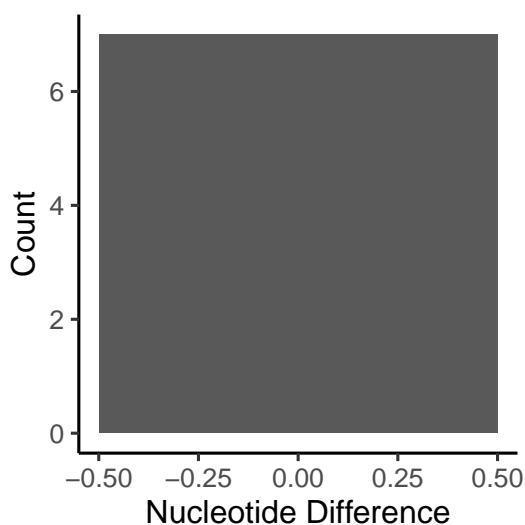
TRBV6–23*ap01

8539 sequences assigned
8512 (99.7%) exact matches, in which:
8486 unique CDR3
14 unique J



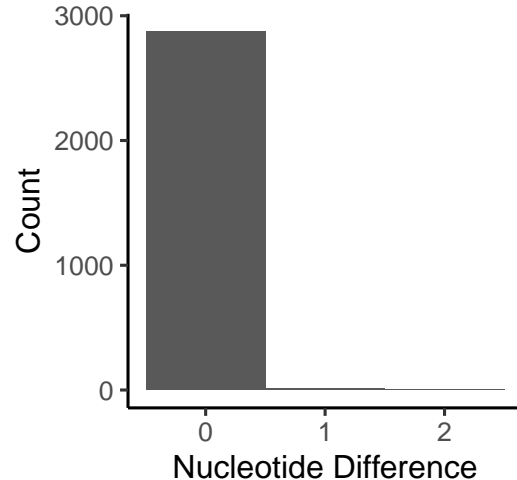
TRBV7–1*ap01

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
4 unique J



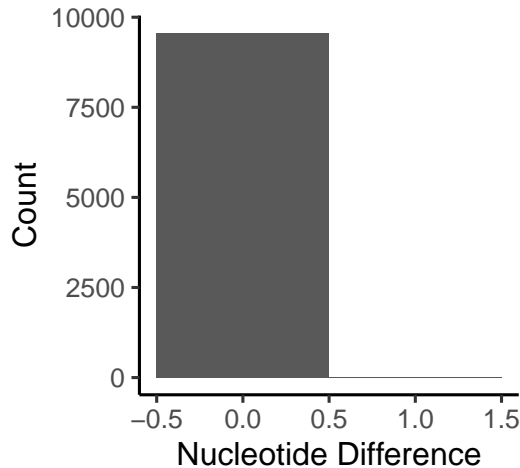
TRBV7–3*ap01

2882 sequences assigned
2872 (99.7%) exact matches, in which:
2864 unique CDR3
14 unique J



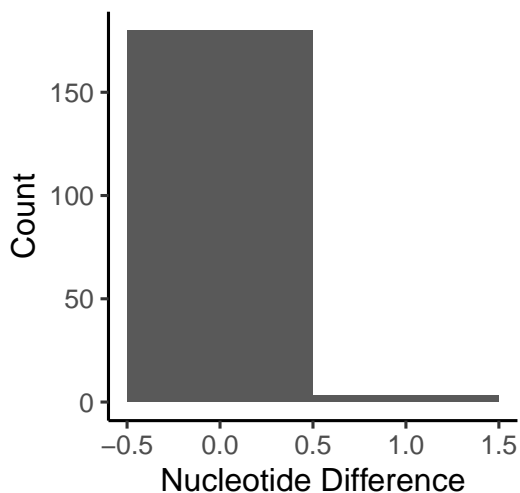
TRBV6–56*ap01

9589 sequences assigned
9568 (99.8%) exact matches, in which:
9551 unique CDR3
14 unique J



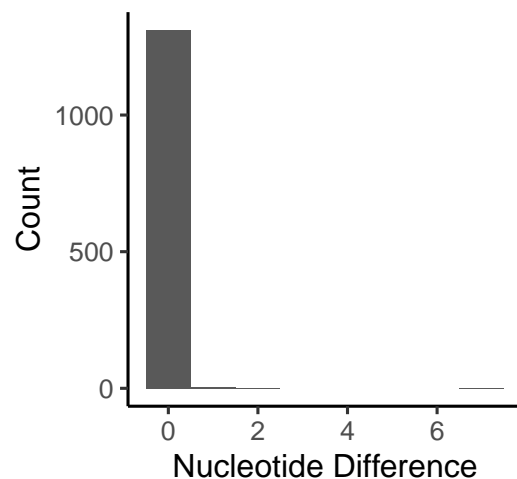
TRBV7–1*ap01_G291C_

183 sequences assigned
180 (98.4%) exact matches, in which:
180 unique CDR3
14 unique J



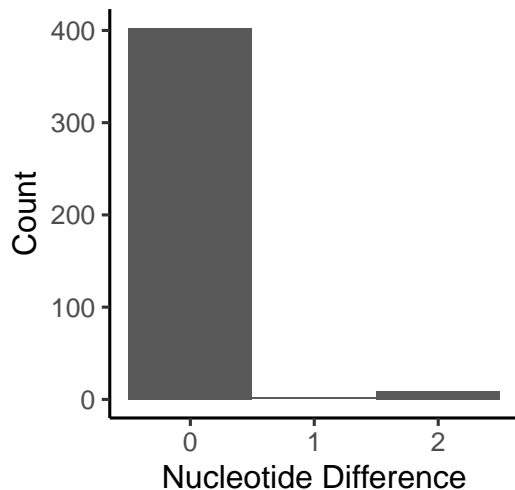
TRBV7–3*ap02

1317 sequences assigned
1311 (99.5%) exact matches, in which:
1311 unique CDR3
12 unique J



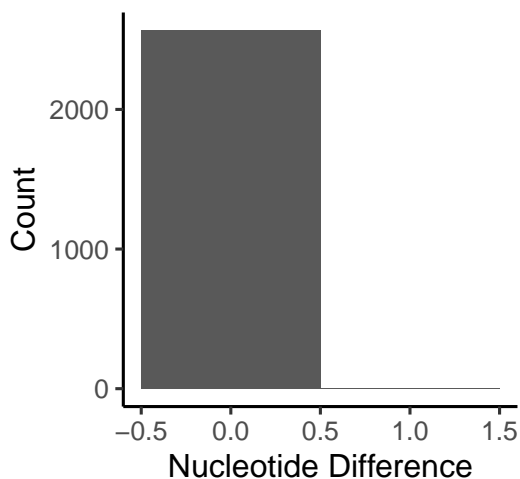
TRBV7-4*ap01

414 sequences assigned
403 (97.3%) exact matches, in which:
403 unique CDR3
14 unique J



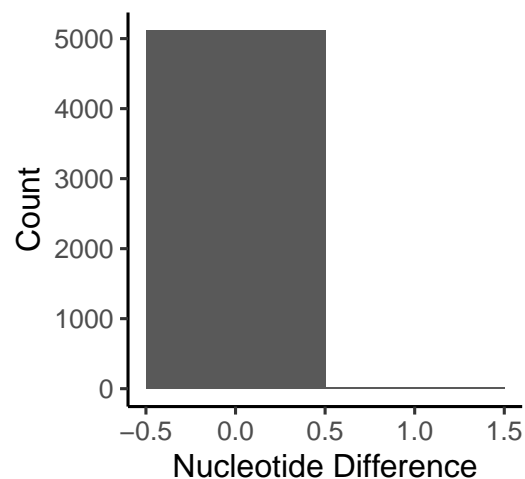
TRBV7-8*ap01

2569 sequences assigned
2566 (99.9%) exact matches, in which:
2565 unique CDR3
14 unique J



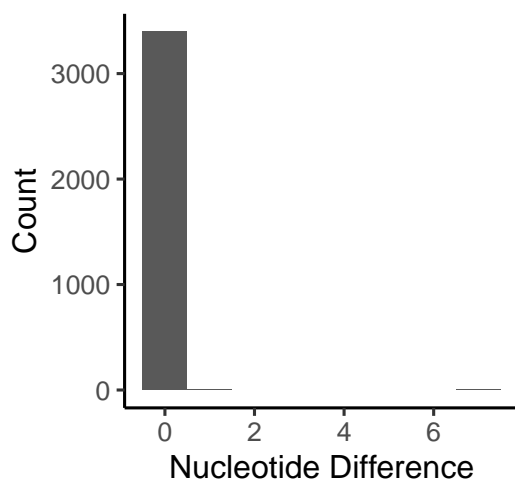
TRBV29-1*ap01

5138 sequences assigned
5117 (99.6%) exact matches, in which:
5109 unique CDR3
14 unique J



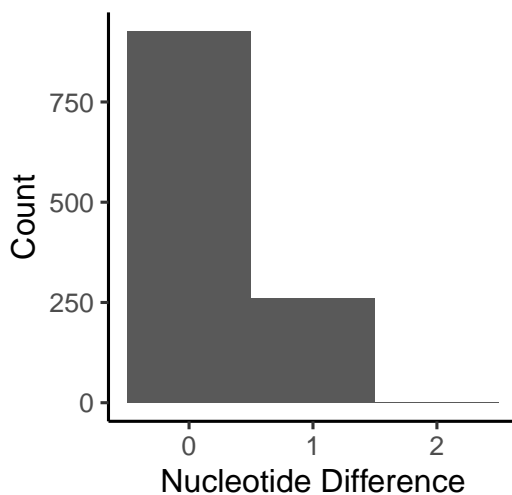
TRBV7-6*ap01

3402 sequences assigned
3397 (99.9%) exact matches, in which:
3394 unique CDR3
14 unique J



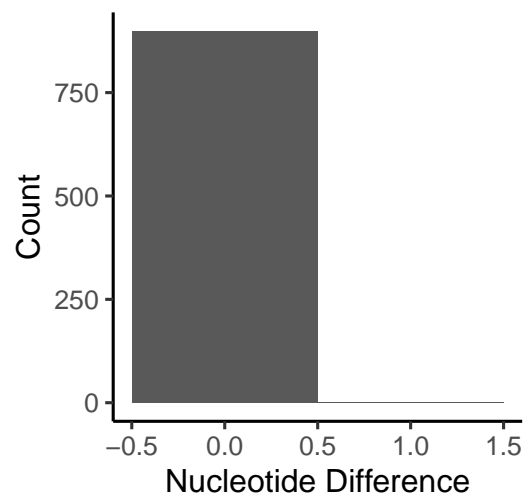
TRBV7-8*ap03

1188 sequences assigned
927 (78%) exact matches, in which:
927 unique CDR3
14 unique J



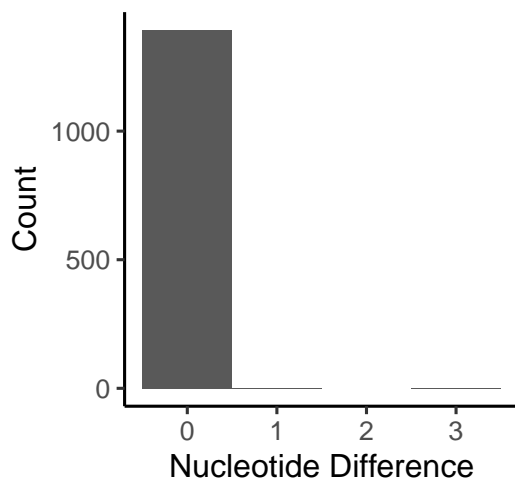
TRBV29-1*ap02

901 sequences assigned
899 (99.8%) exact matches, in which:
895 unique CDR3
14 unique J



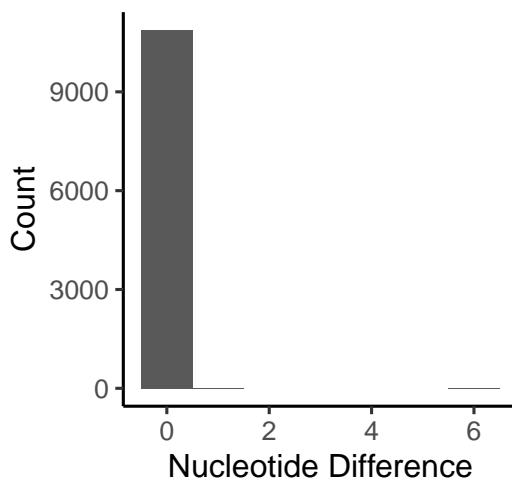
TRBV7-7*ap01

1396 sequences assigned
1393 (99.8%) exact matches, in which:
1393 unique CDR3
14 unique J

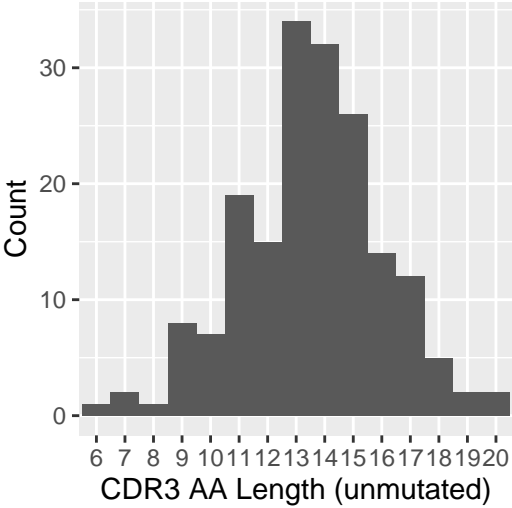


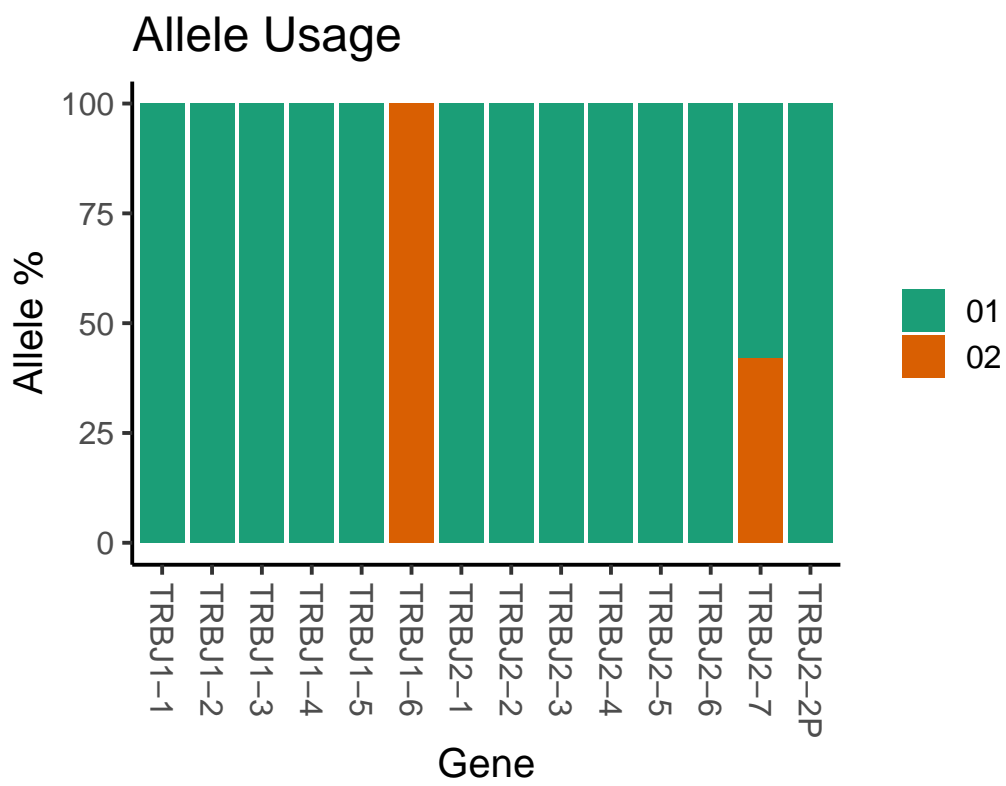
TRBV7-9*ap01

10884 sequences assigned
10876 (99.9%) exact matches, in which:
10873 unique CDR3
14 unique J



TRBV7-1*ap01_G291C_T296C_C314T





Sequence Count by TRBJ2–7 allele usage

