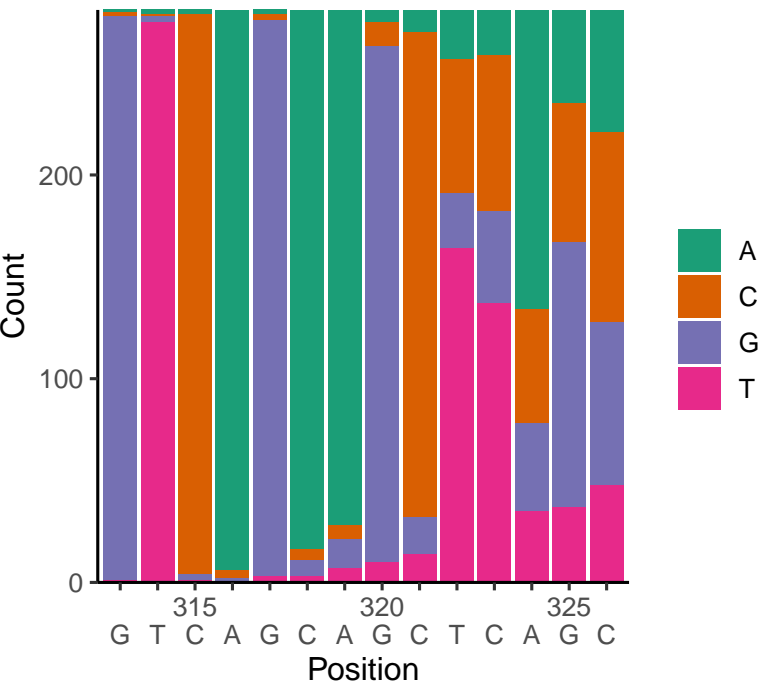


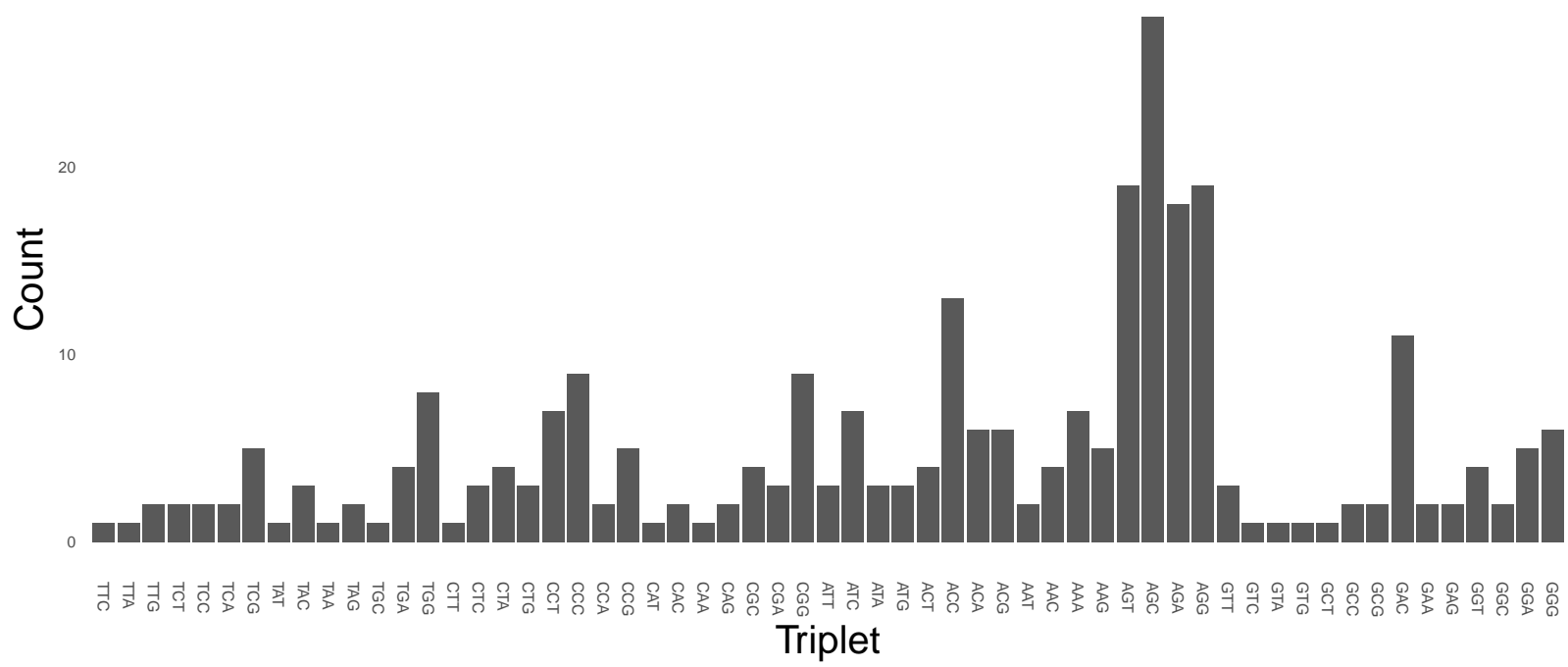
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

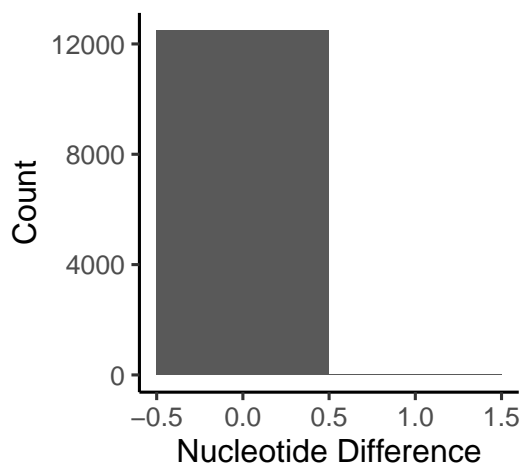


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



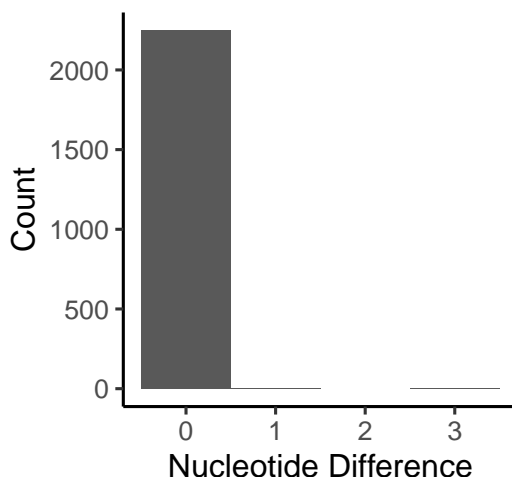
TRBV20-1*ap01

12514 sequences assigned
12500 (99.9%) exact matches, in which:
12494 unique CDR3
13 unique J



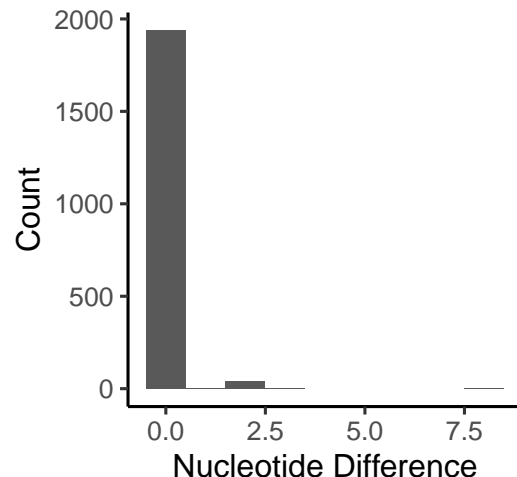
TRBV10-2*ap01

2253 sequences assigned
2248 (99.8%) exact matches, in which:
2246 unique CDR3
13 unique J



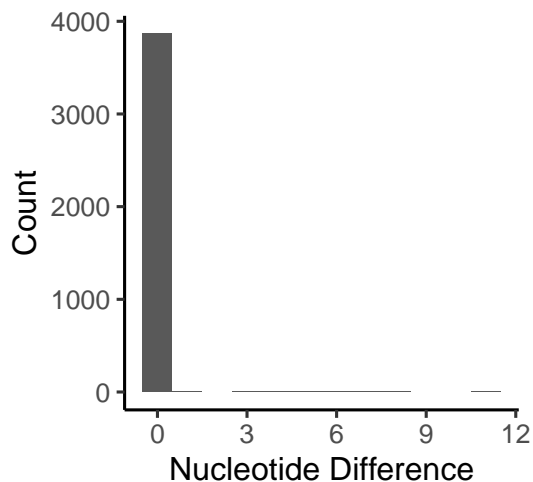
TRBV13*ap01

1985 sequences assigned
1938 (97.6%) exact matches, in which:
1937 unique CDR3
13 unique J



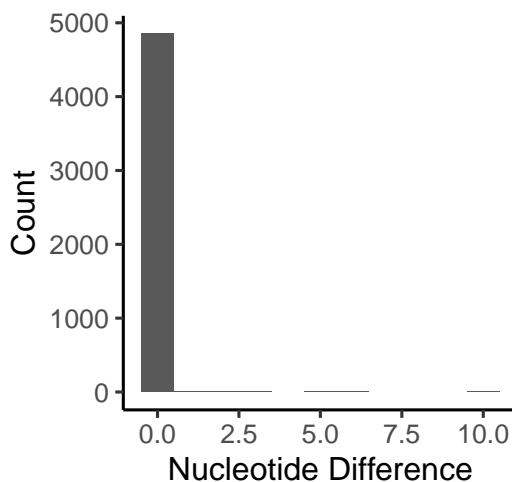
TRBV10-1*ap01

3883 sequences assigned
3866 (99.6%) exact matches, in which:
3866 unique CDR3
13 unique J



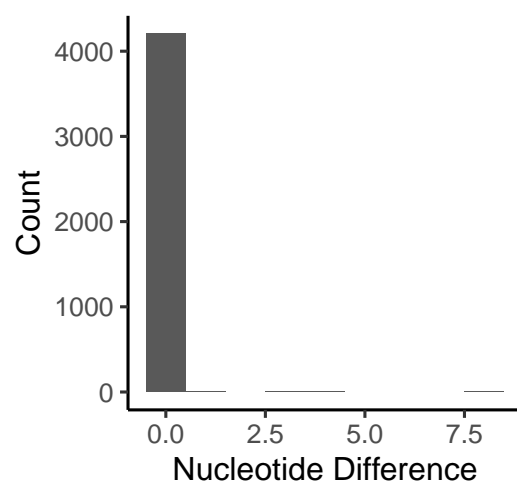
TRBV10-3*ap01

4868 sequences assigned
4852 (99.7%) exact matches, in which:
4850 unique CDR3
13 unique J



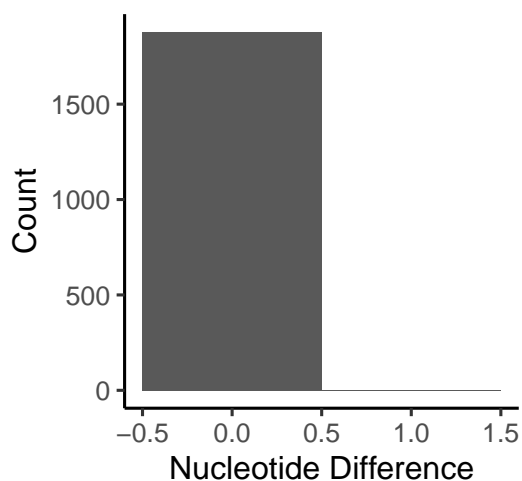
TRBV14*ap01

4213 sequences assigned
4205 (99.8%) exact matches, in which:
4204 unique CDR3
13 unique J



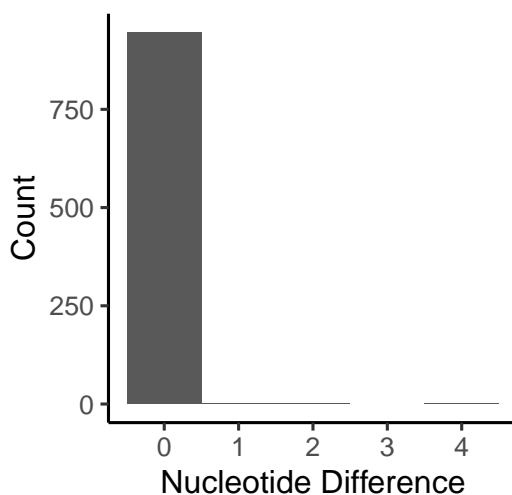
TRBV20-1*ap02

1880 sequences assigned
1878 (99.9%) exact matches, in which:
1877 unique CDR3
13 unique J



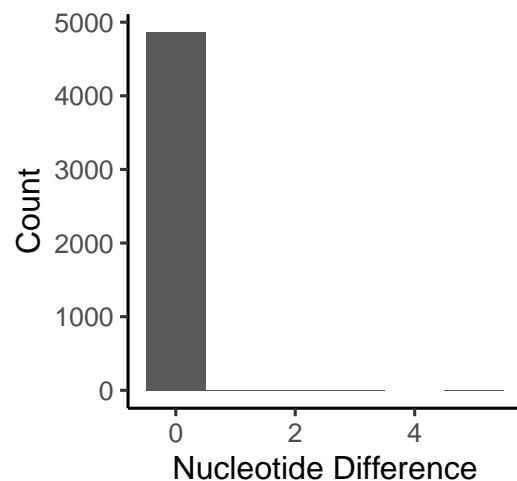
TRBV1*ap01

951 sequences assigned
946 (99.5%) exact matches, in which:
945 unique CDR3
13 unique J



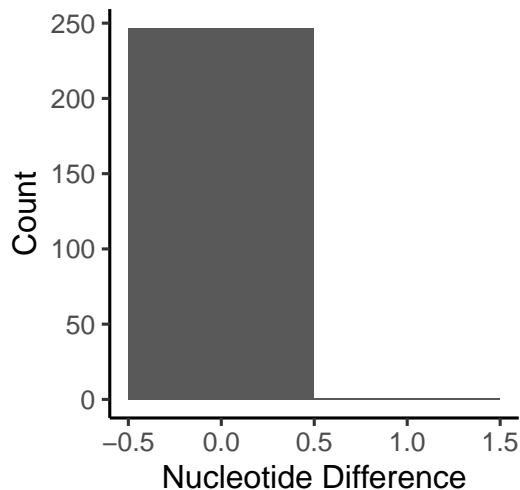
TRBV15*ap02

4877 sequences assigned
4866 (99.8%) exact matches, in which:
4863 unique CDR3
13 unique J



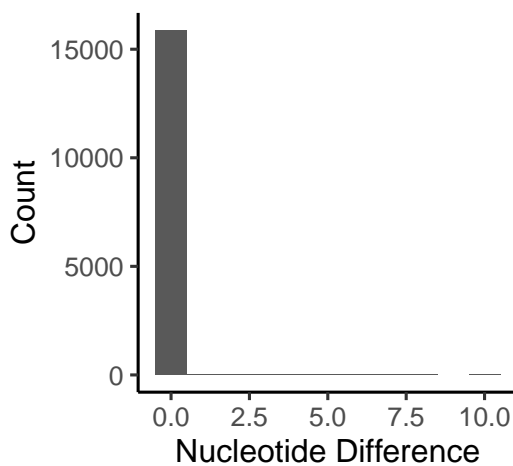
TRBV16*ap01

248 sequences assigned
247 (99.6%) exact matches, in which:
247 unique CDR3
13 unique J



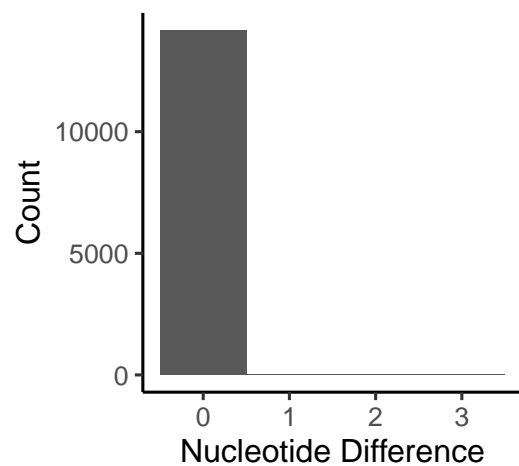
TRBV19*ap01

15934 sequences assigned
15878 (99.6%) exact matches, in which:
15876 unique CDR3
13 unique J



TRBV28*ap01

14200 sequences assigned
14173 (99.8%) exact matches, in which:
14172 unique CDR3
13 unique J



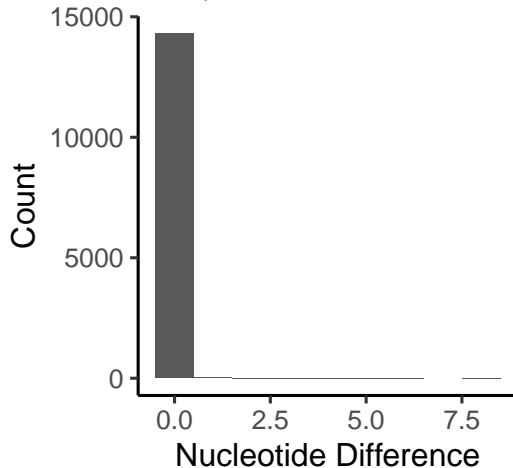
TRBV17*ap01

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



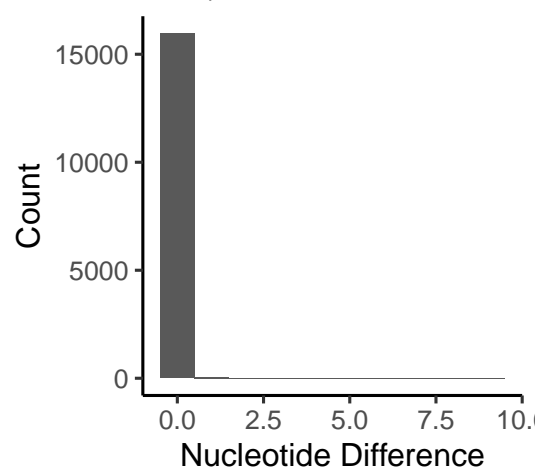
TRBV2*ap01

14356 sequences assigned
14308 (99.7%) exact matches, in which:
14295 unique CDR3
13 unique J



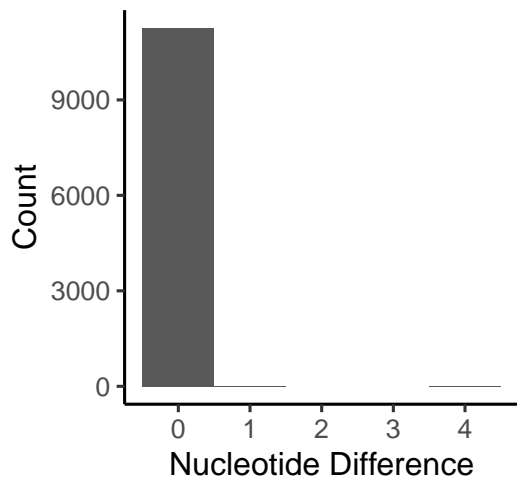
TRBV30*ap01

16043 sequences assigned
15962 (99.5%) exact matches, in which:
15930 unique CDR3
14 unique J



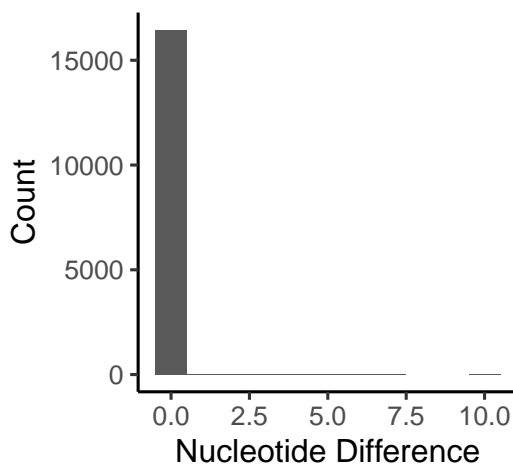
TRBV18*ap01

11277 sequences assigned
11257 (99.8%) exact matches, in which:
11255 unique CDR3
13 unique J



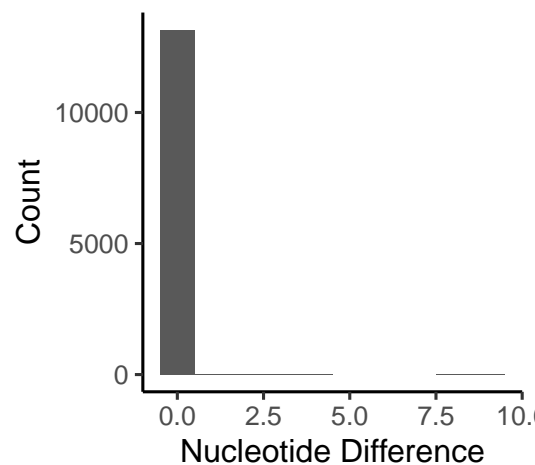
TRBV27*ap01

16516 sequences assigned
16455 (99.6%) exact matches, in which:
16429 unique CDR3
13 unique J



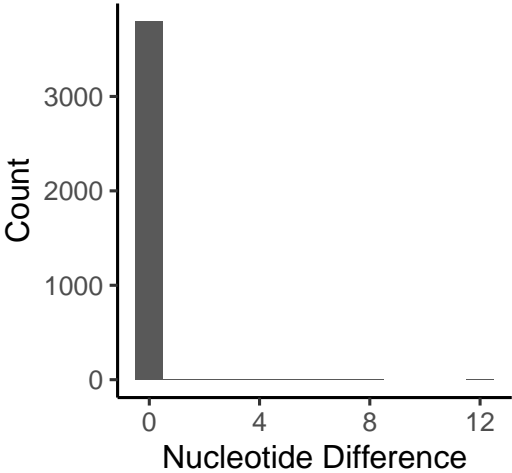
TRBV9*ap01

13186 sequences assigned
13155 (99.8%) exact matches, in which:
13148 unique CDR3
13 unique J



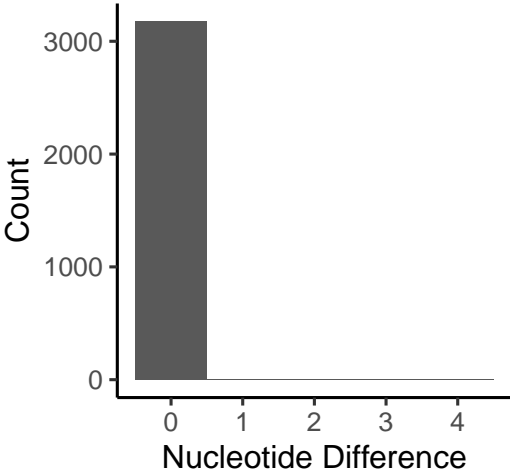
TRBV21-1*ap01

3834 sequences assigned
3795 (99%) exact matches, in which:
3795 unique CDR3
14 unique J



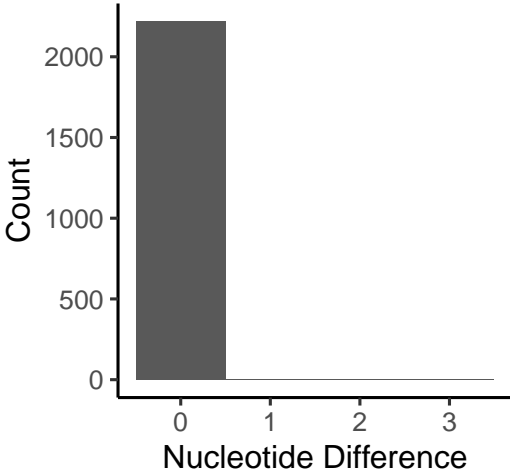
TRBV11-3*ap01

3188 sequences assigned
3176 (99.6%) exact matches, in which:
3176 unique CDR3
13 unique J



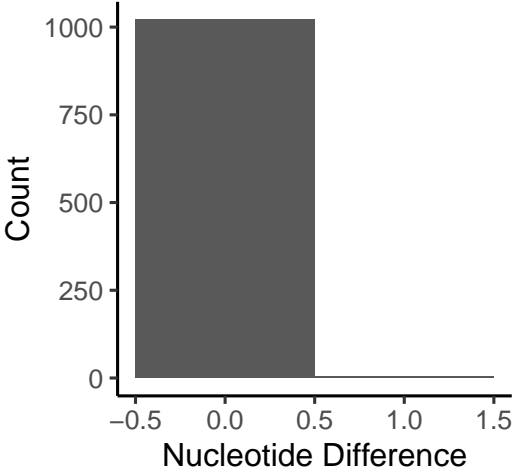
TRBV12-5*ap01

2224 sequences assigned
2219 (99.8%) exact matches, in which:
2219 unique CDR3
13 unique J



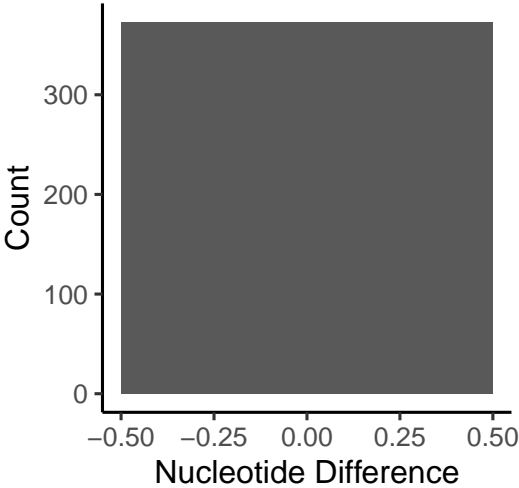
TRBV11-1*ap01

1024 sequences assigned
1021 (99.7%) exact matches, in which:
1020 unique CDR3
13 unique J



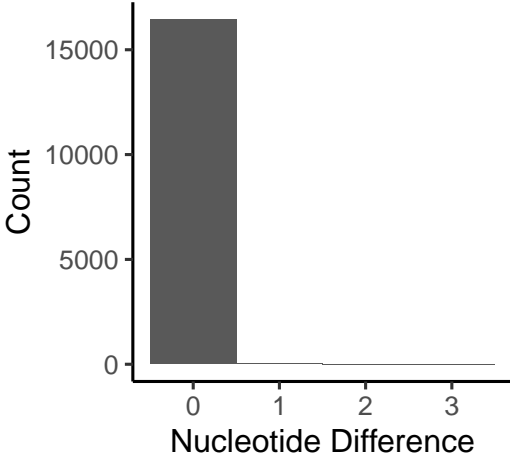
TRBV12-1*ap01

373 sequences assigned
373 (100%) exact matches, in which:
372 unique CDR3
13 unique J



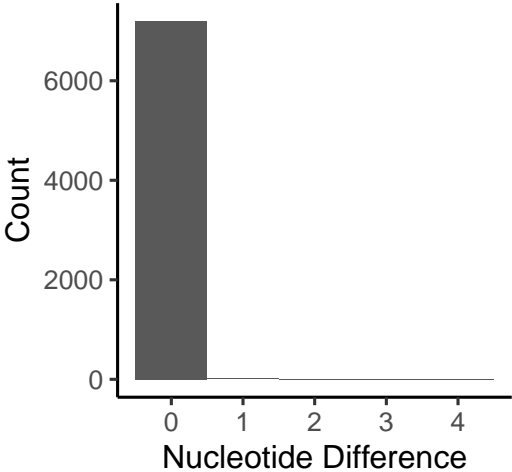
TRBV12-34*ap01

16476 sequences assigned
16444 (99.8%) exact matches, in which:
16440 unique CDR3
13 unique J



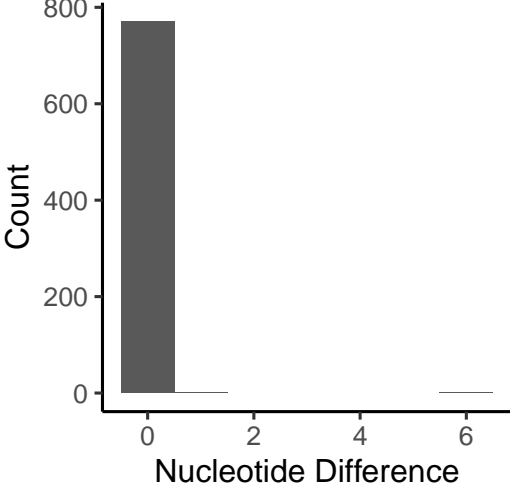
TRBV11-2*ap01

7218 sequences assigned
7200 (99.8%) exact matches, in which:
7199 unique CDR3
13 unique J



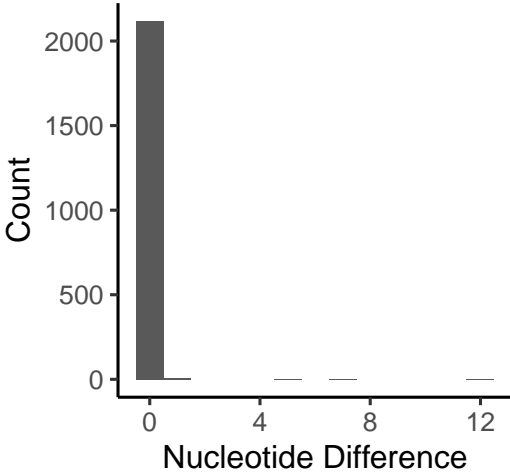
TRBV12-2*ap01

773 sequences assigned
771 (99.7%) exact matches, in which:
771 unique CDR3
13 unique J



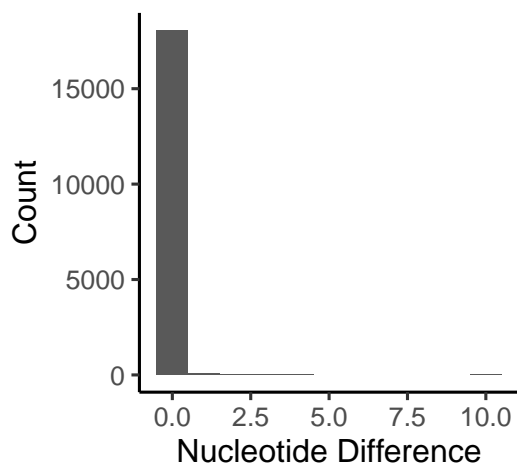
TRBV23-1*ap01

2127 sequences assigned
2118 (99.6%) exact matches, in which:
2118 unique CDR3
13 unique J



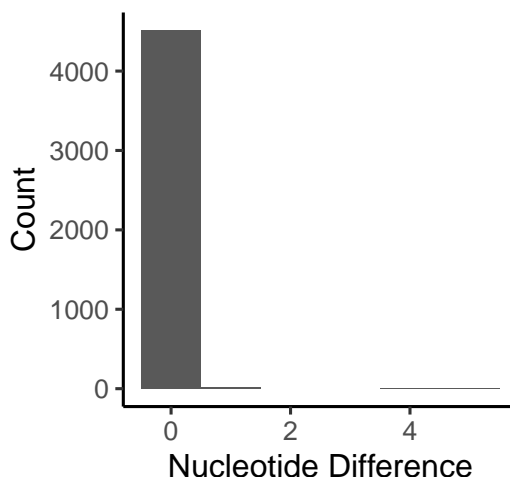
TRBV3-12*ap01

18131 sequences assigned
18067 (99.6%) exact matches, in which:
18036 unique CDR3
13 unique J



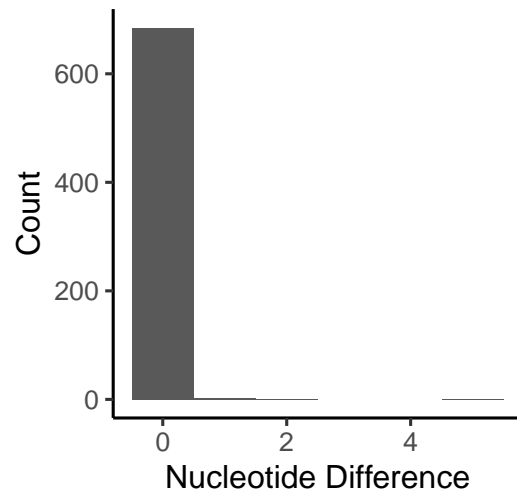
TRBV4-2*ap01

4530 sequences assigned
4512 (99.6%) exact matches, in which:
4509 unique CDR3
13 unique J



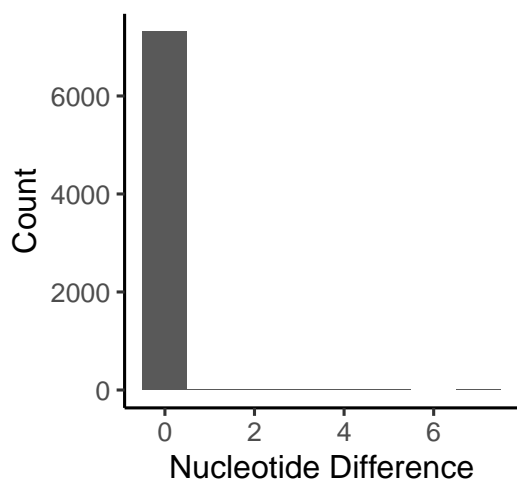
TRBV5-3*ap01

689 sequences assigned
685 (99.4%) exact matches, in which:
684 unique CDR3
13 unique J



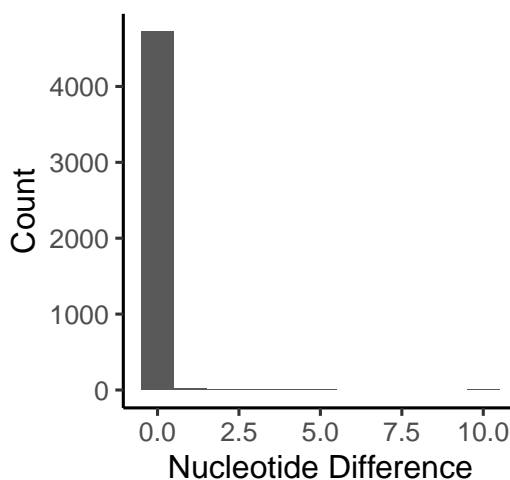
TRBV24-1*ap01

7337 sequences assigned
7311 (99.6%) exact matches, in which:
7296 unique CDR3
13 unique J



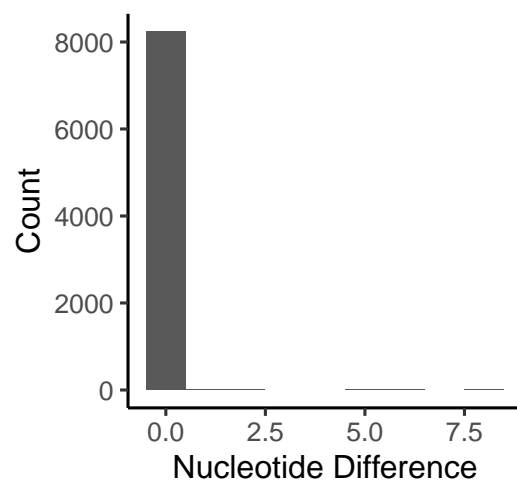
TRBV25-1*ap01

4747 sequences assigned
4721 (99.5%) exact matches, in which:
4712 unique CDR3
13 unique J



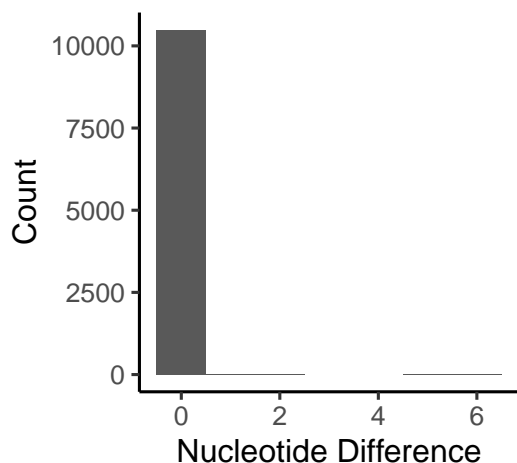
TRBV5-4*ap01

8257 sequences assigned
8236 (99.7%) exact matches, in which:
8232 unique CDR3
13 unique J



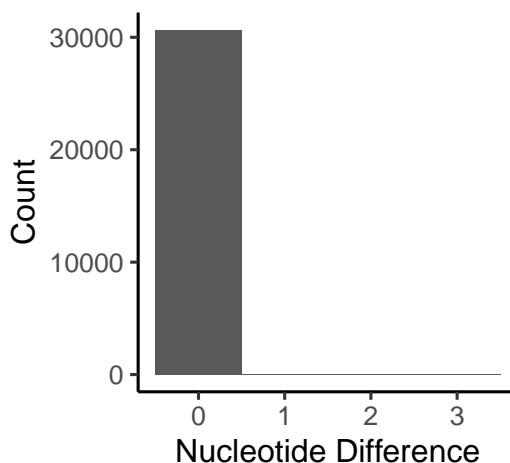
TRBV4-1*ap01

10509 sequences assigned
10489 (99.8%) exact matches, in which:
10484 unique CDR3
13 unique J



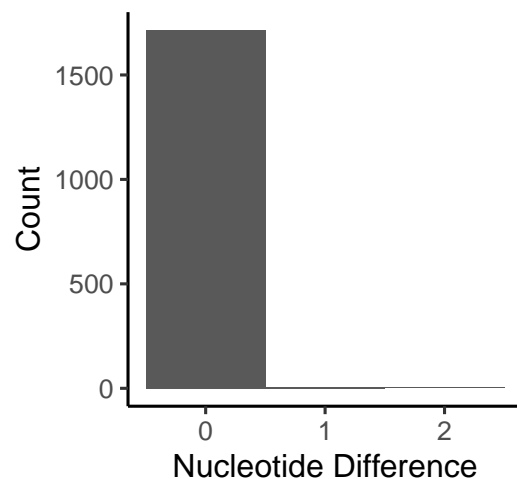
TRBV5-1*ap01

30720 sequences assigned
30667 (99.8%) exact matches, in which:
30630 unique CDR3
13 unique J



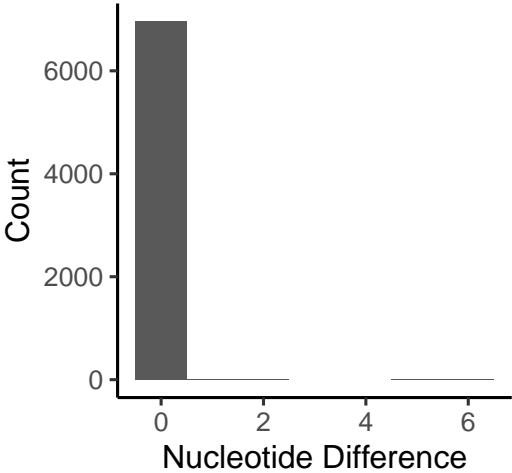
TRBV5-5*ap01

1724 sequences assigned
1715 (99.5%) exact matches, in which:
1710 unique CDR3
13 unique J



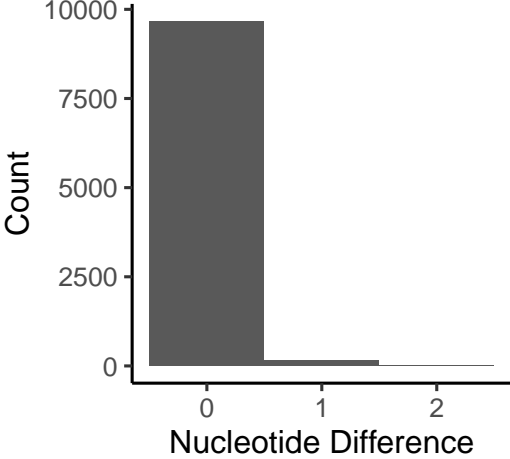
TRBV5-6*ap01

6978 sequences assigned
6960 (99.7%) exact matches, in which:
6935 unique CDR3
13 unique J



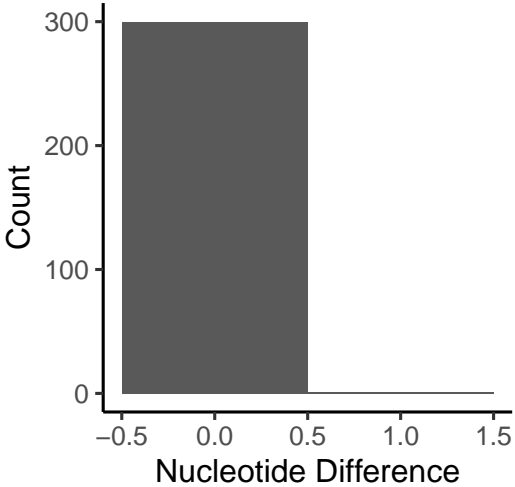
TRBV6-1*ap01

9824 sequences assigned
9669 (98.4%) exact matches, in which:
9663 unique CDR3
13 unique J



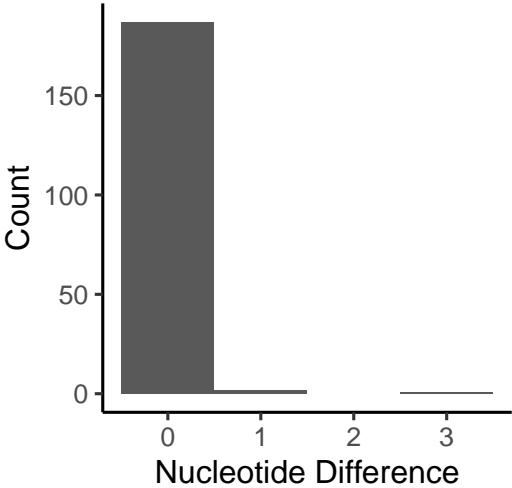
TRBV6-8*ap01

301 sequences assigned
300 (99.7%) exact matches, in which:
299 unique CDR3
13 unique J



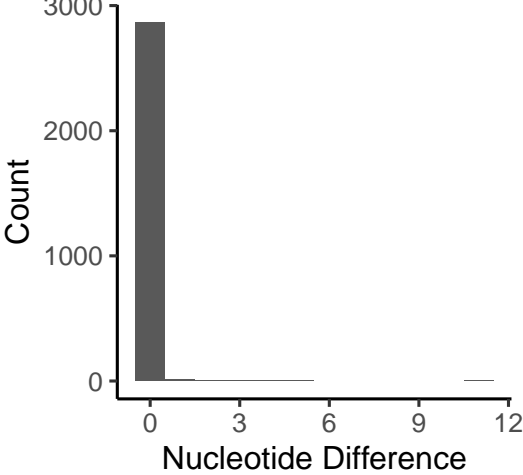
TRBV5-7*ap01

190 sequences assigned
187 (98.4%) exact matches, in which:
187 unique CDR3
13 unique J



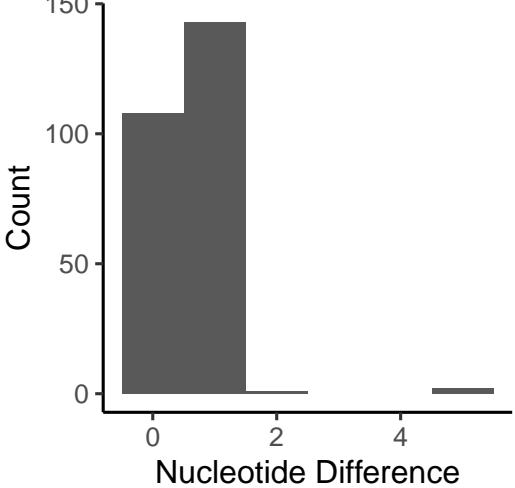
TRBV6-4*ap01

2884 sequences assigned
2863 (99.3%) exact matches, in which:
2861 unique CDR3
13 unique J



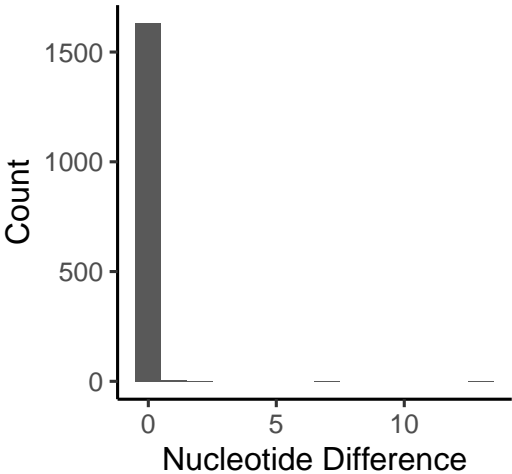
TRBV6-9*ap01

254 sequences assigned
108 (42.5%) exact matches, in which:
108 unique CDR3
13 unique J



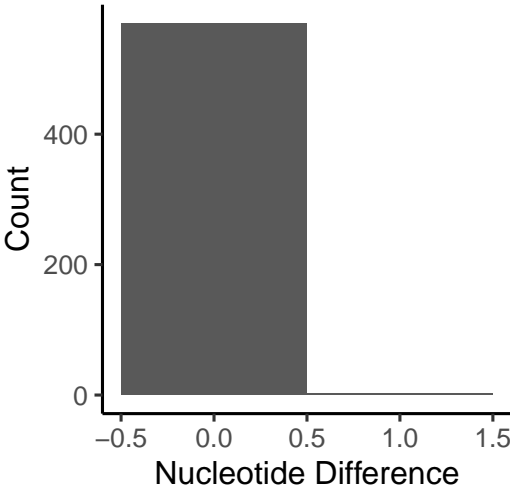
TRBV5-8*ap01

1642 sequences assigned
1632 (99.4%) exact matches, in which:
1632 unique CDR3
13 unique J



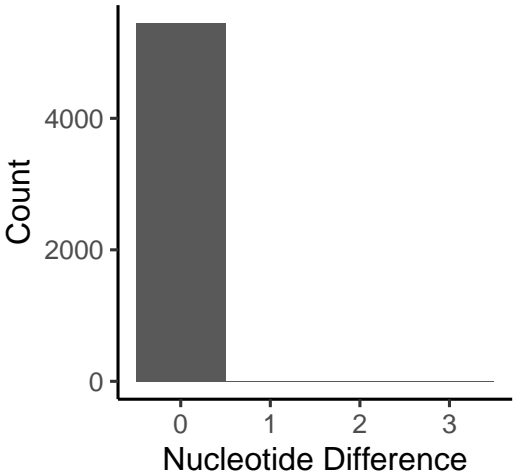
TRBV6-7*ap01

573 sequences assigned
570 (99.5%) exact matches, in which:
569 unique CDR3
13 unique J



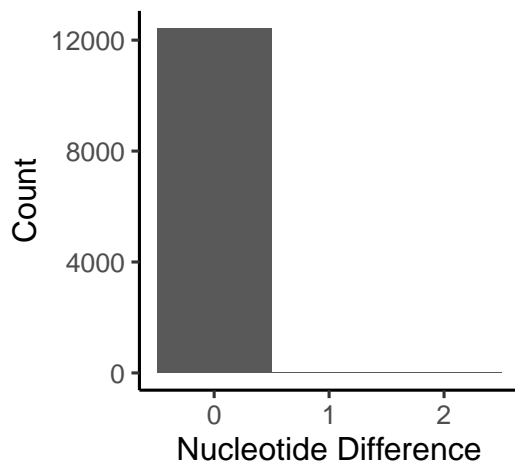
TRBV6-23*ap01

5460 sequences assigned
5449 (99.8%) exact matches, in which:
5443 unique CDR3
13 unique J



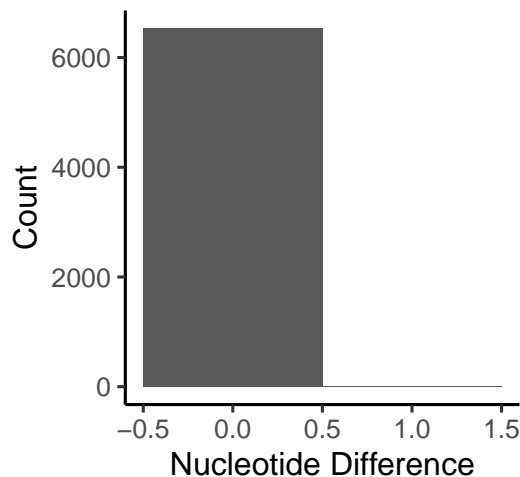
TRBV6-56*ap01

12452 sequences assigned
12432 (99.8%) exact matches, in which:
12419 unique CDR3
13 unique J



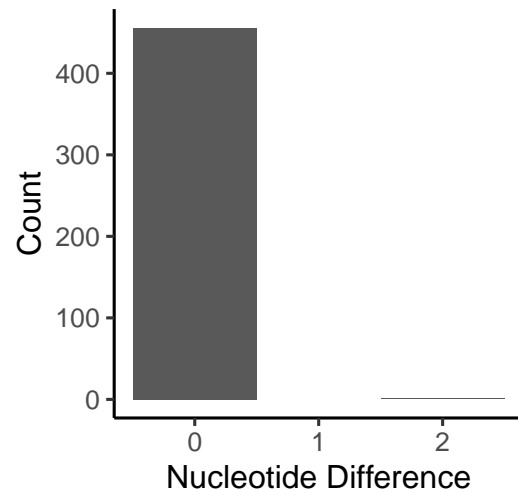
TRBV7-2*ap01

6539 sequences assigned
6531 (99.9%) exact matches, in which:
6530 unique CDR3
13 unique J



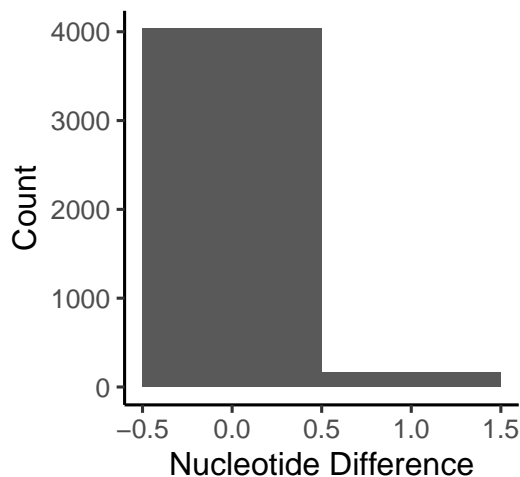
TRBV7-4*ap01

457 sequences assigned
456 (99.8%) exact matches, in which:
456 unique CDR3
13 unique J



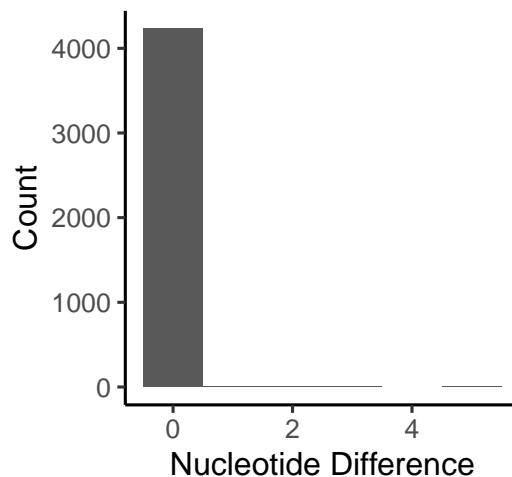
TRBV6-56*ap02

4201 sequences assigned
4034 (96%) exact matches, in which:
4033 unique CDR3
13 unique J



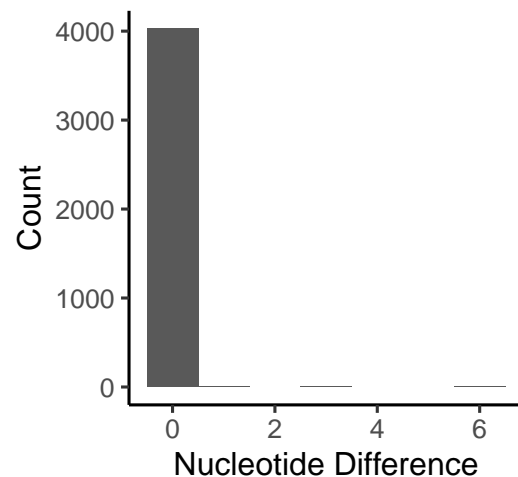
TRBV7-3*ap01

4241 sequences assigned
4231 (99.8%) exact matches, in which:
4226 unique CDR3
13 unique J



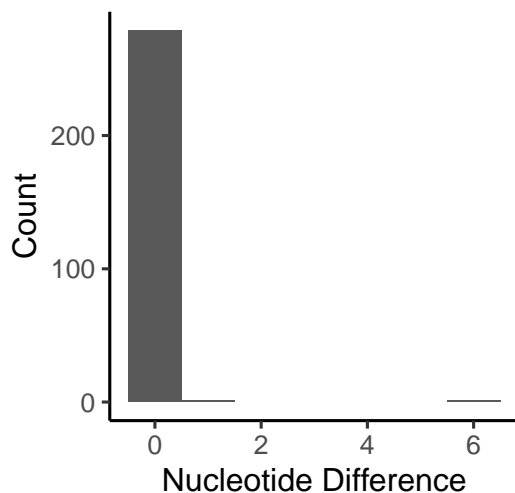
TRBV7-6*ap01

4038 sequences assigned
4027 (99.7%) exact matches, in which:
4024 unique CDR3
13 unique J



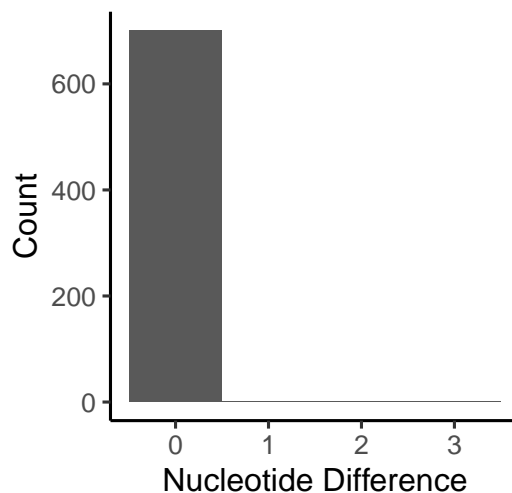
TRBV7-1*ap01_G291C_

281 sequences assigned
279 (99.3%) exact matches, in which:
279 unique CDR3
13 unique J



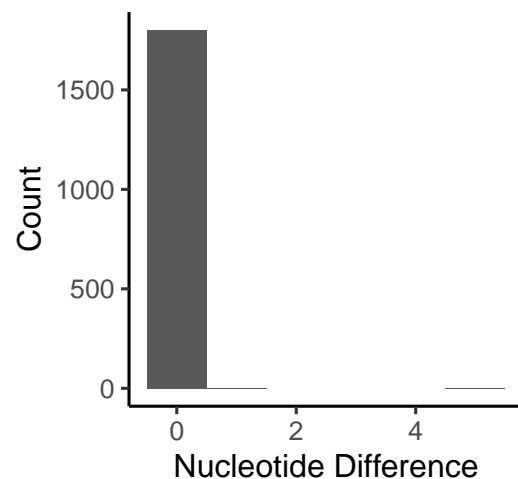
TRBV7-3*ap03

704 sequences assigned
701 (99.6%) exact matches, in which:
701 unique CDR3
12 unique J



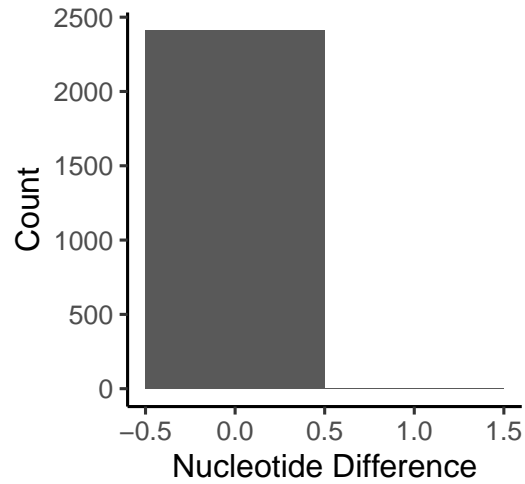
TRBV7-7*ap01

1805 sequences assigned
1801 (99.8%) exact matches, in which:
1801 unique CDR3
13 unique J



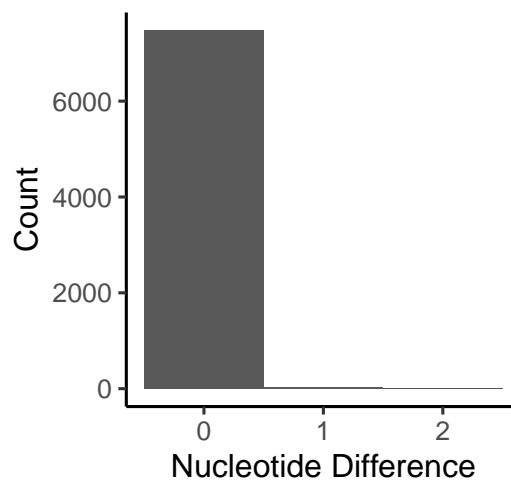
TRBV7-8*ap01

2414 sequences assigned
2411 (99.9%) exact matches, in which:
2409 unique CDR3
13 unique J



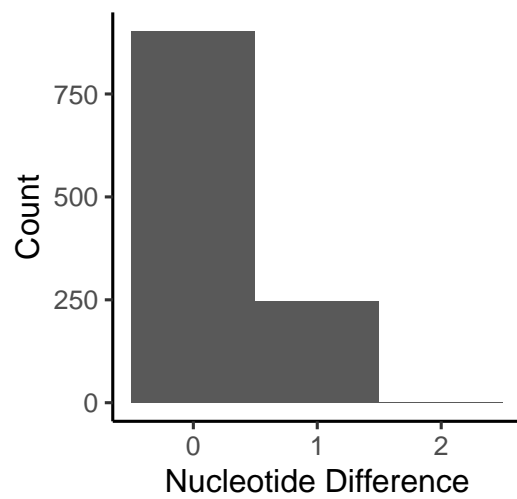
TRBV29-1*ap01

7516 sequences assigned
7476 (99.5%) exact matches, in which:
7453 unique CDR3
13 unique J



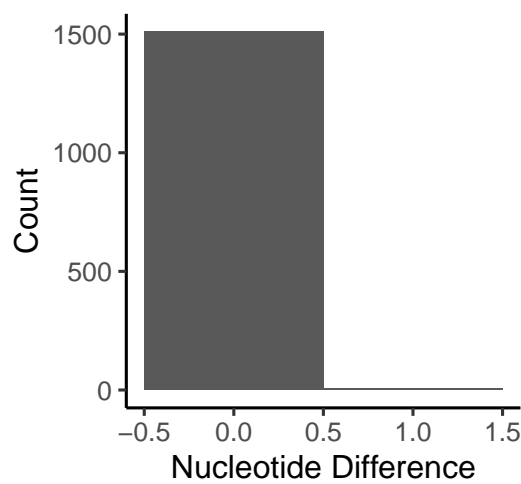
TRBV7-8*ap03

1151 sequences assigned
903 (78.5%) exact matches, in which:
903 unique CDR3
13 unique J



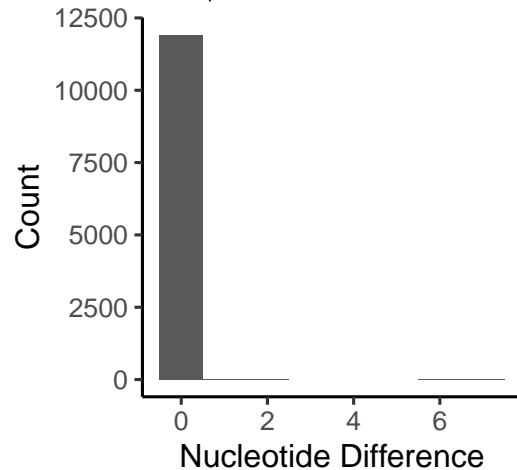
TRBV29-1*ap02

1515 sequences assigned
1510 (99.7%) exact matches, in which:
1508 unique CDR3
13 unique J



TRBV7-9*ap01

11938 sequences assigned
11917 (99.8%) exact matches, in which:
11913 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

