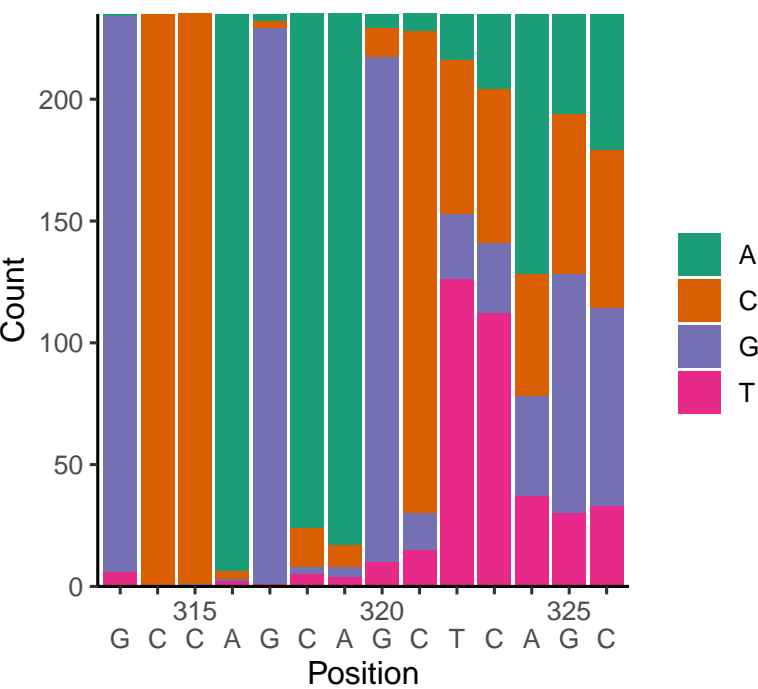
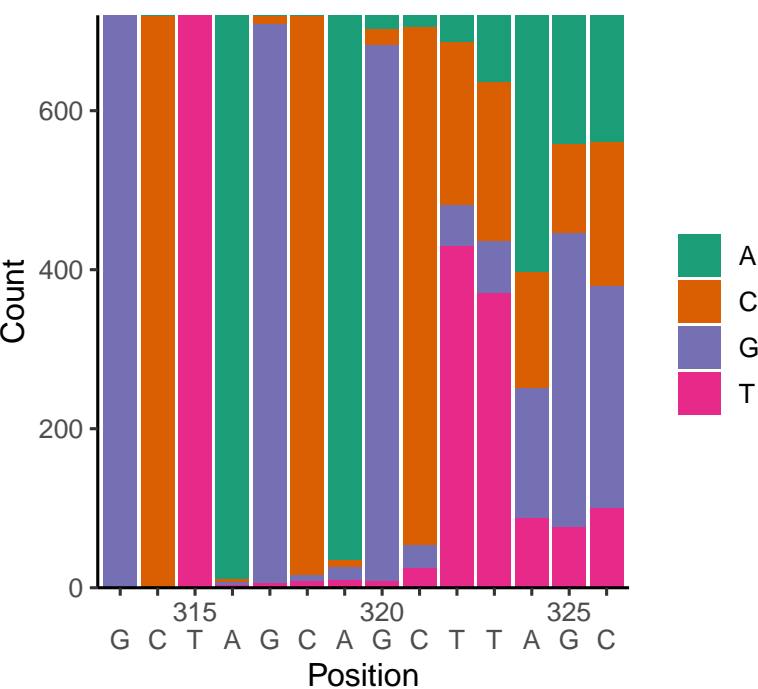


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



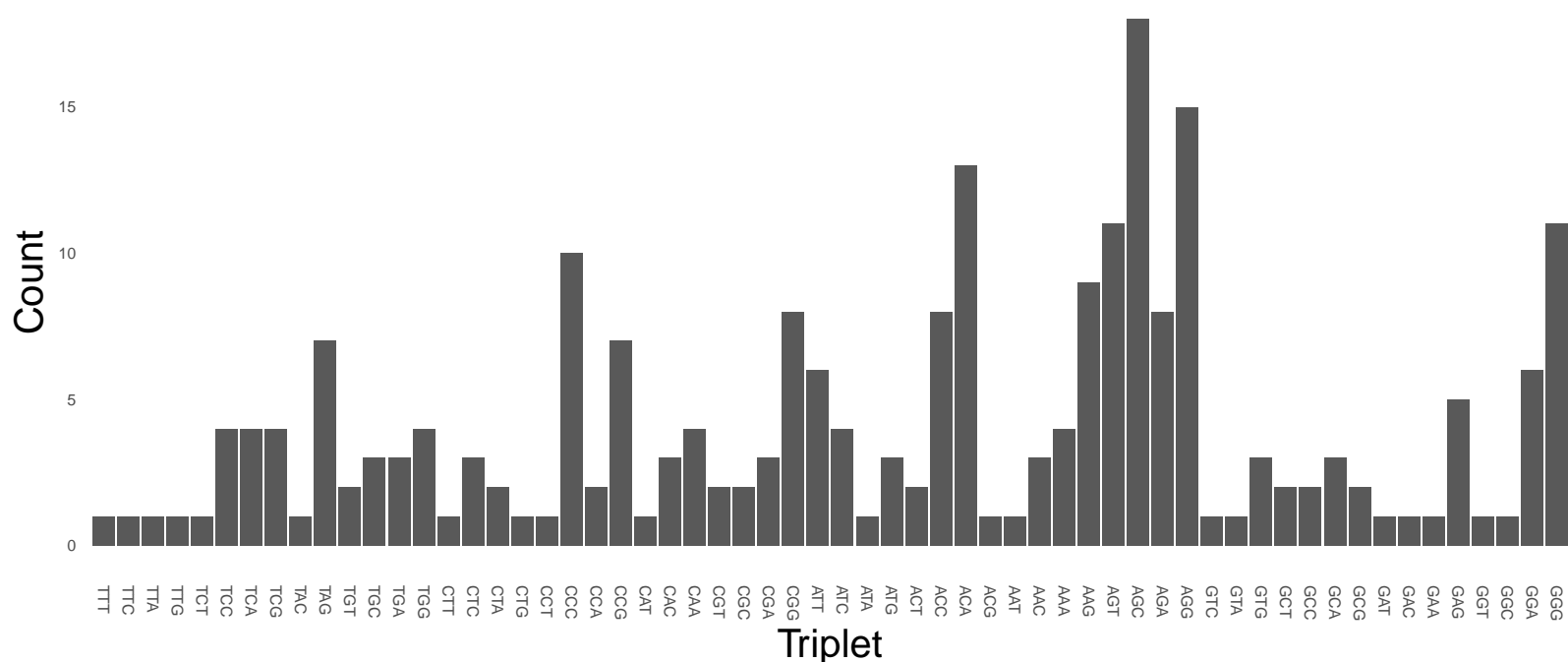
Gene TRBV7-1*ap01_G291C_T296C



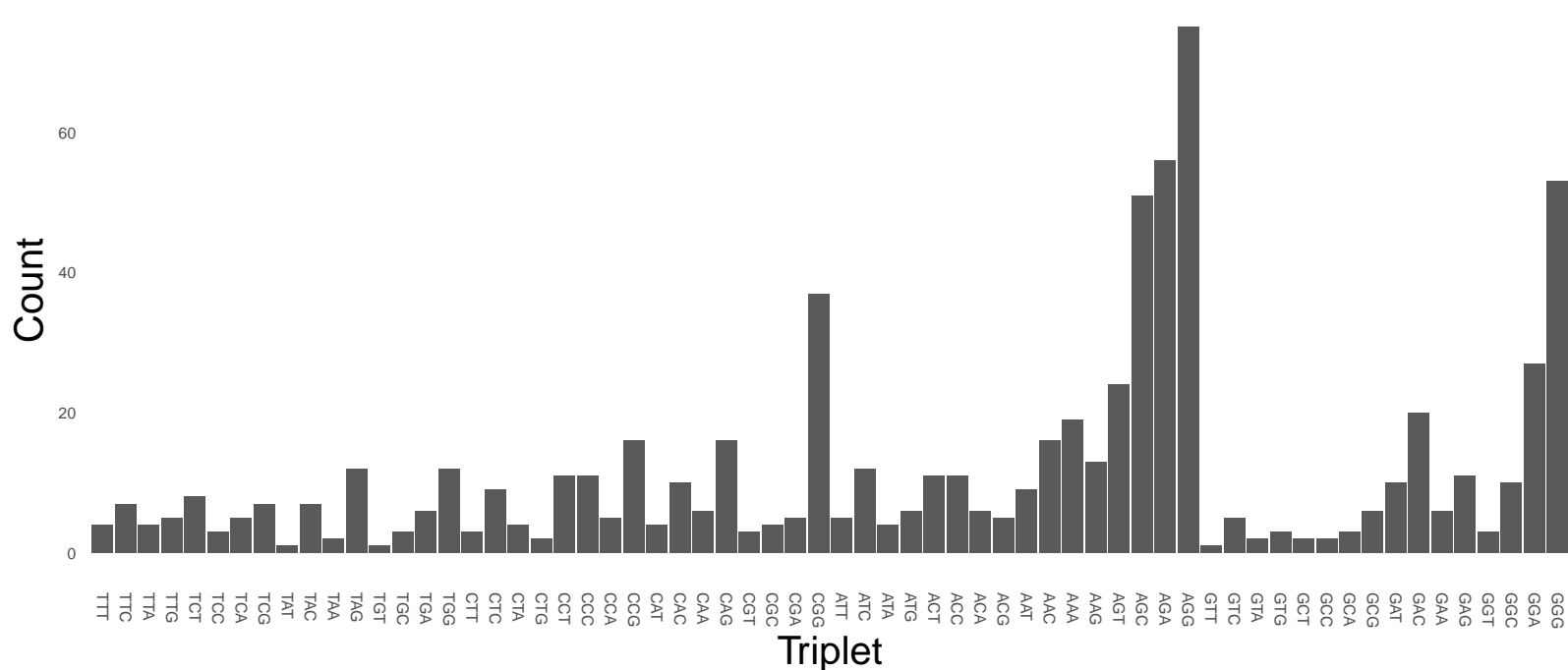
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

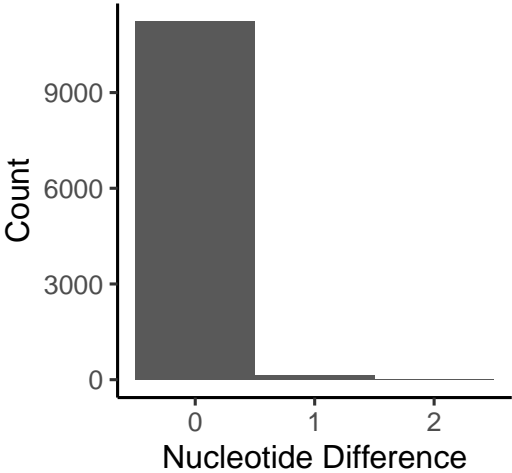


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



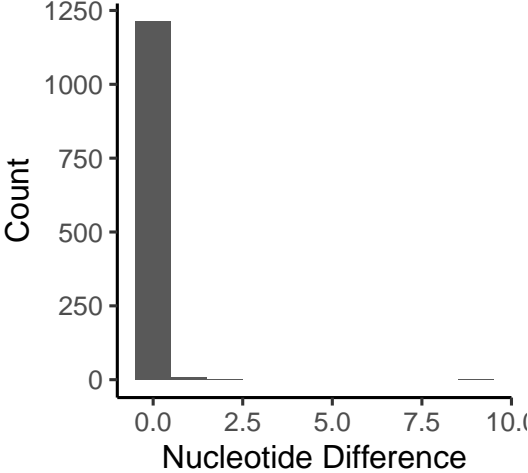
TRBV20-1*ap01

11377 sequences assigned
11231 (98.7%) exact matches, in which:
11035 unique CDR3
13 unique J



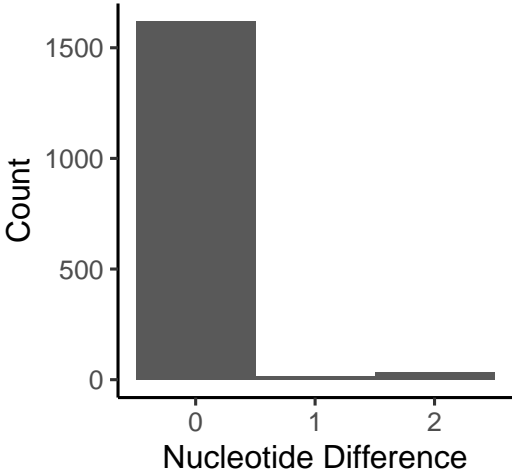
TRBV10-2*ap01

1224 sequences assigned
1213 (99.1%) exact matches, in which:
1187 unique CDR3
13 unique J



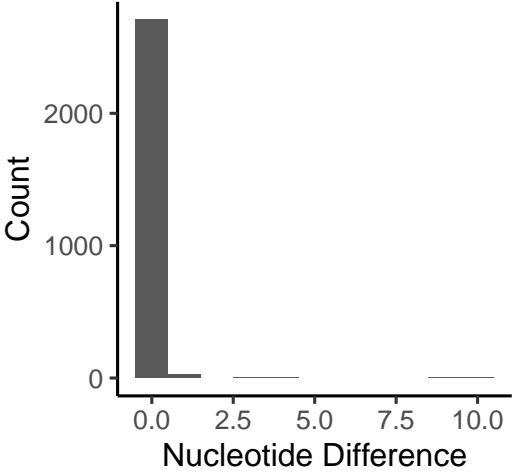
TRBV13*ap01

1667 sequences assigned
1619 (97.1%) exact matches, in which:
1586 unique CDR3
13 unique J



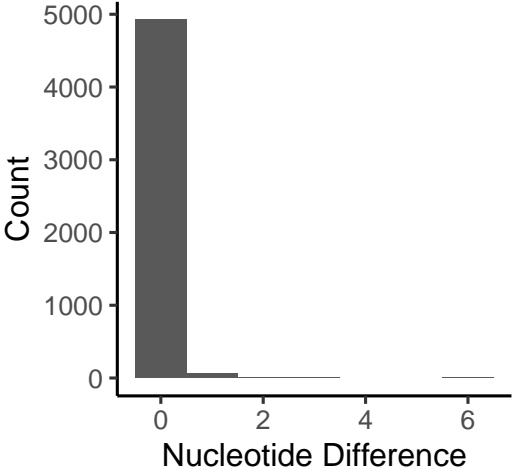
TRBV10-1*ap01

2741 sequences assigned
2707 (98.8%) exact matches, in which:
2645 unique CDR3
13 unique J



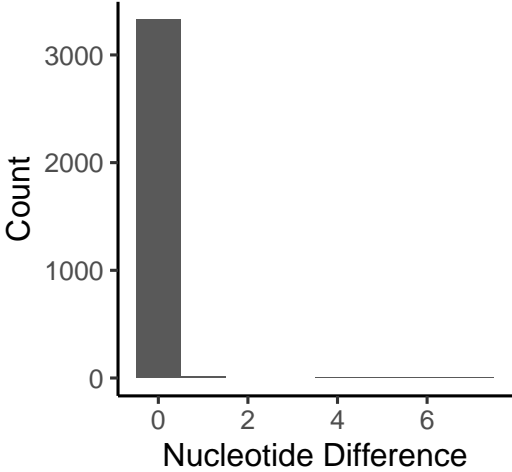
TRBV10-3*ap01

4991 sequences assigned
4925 (98.7%) exact matches, in which:
4810 unique CDR3
13 unique J



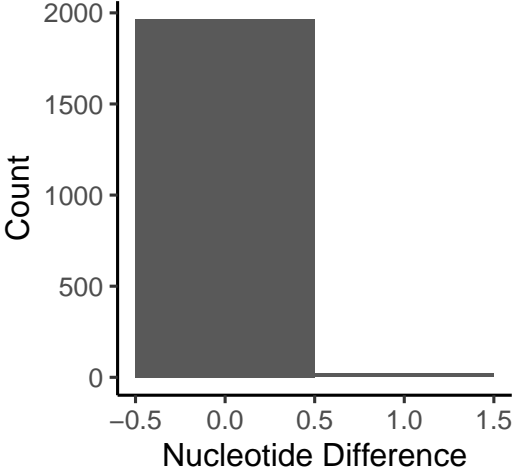
TRBV14*ap01

3350 sequences assigned
3327 (99.3%) exact matches, in which:
3280 unique CDR3
13 unique J



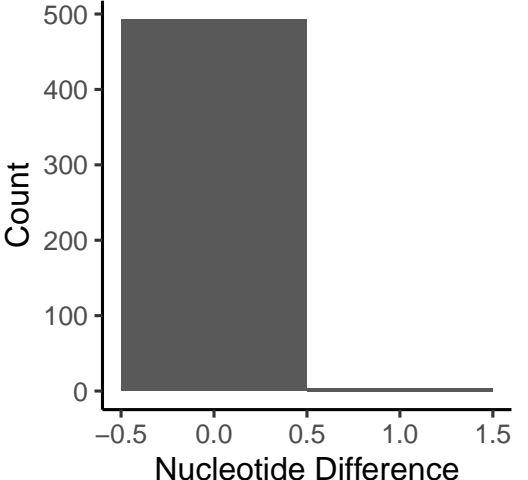
TRBV20-1*ap02

1986 sequences assigned
1966 (99%) exact matches, in which:
1929 unique CDR3
13 unique J



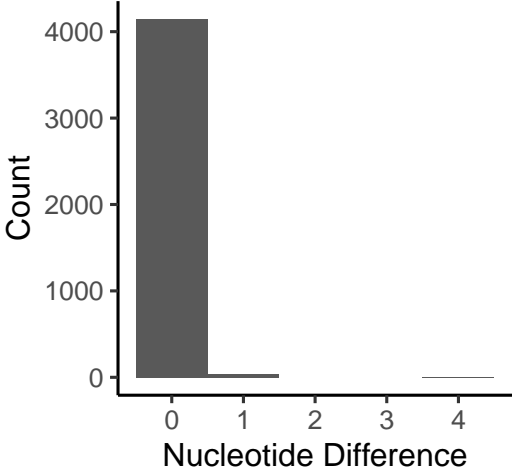
TRBV1*ap01

497 sequences assigned
493 (99.2%) exact matches, in which:
478 unique CDR3
13 unique J



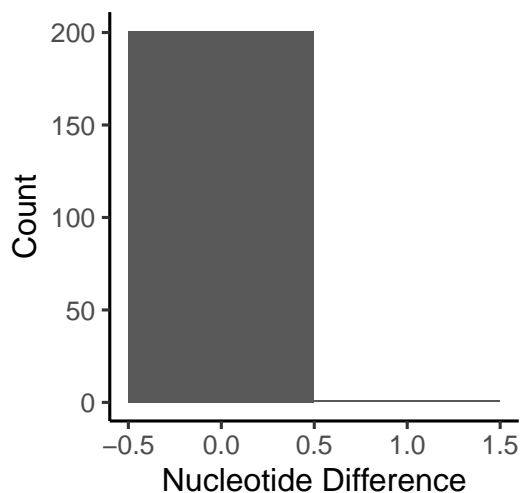
TRBV15*ap02

4188 sequences assigned
4146 (99%) exact matches, in which:
4059 unique CDR3
13 unique J



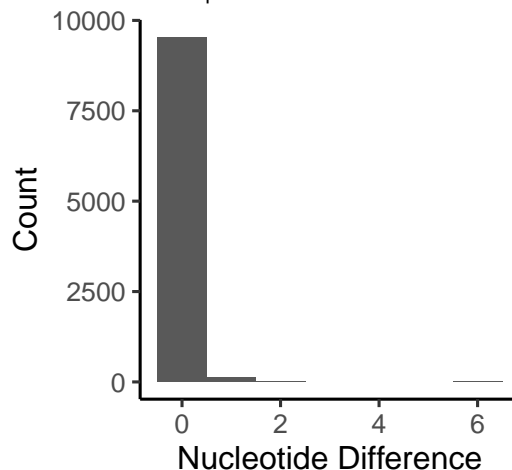
TRBV16*ap01

202 sequences assigned
201 (99.5%) exact matches, in which:
197 unique CDR3
13 unique J



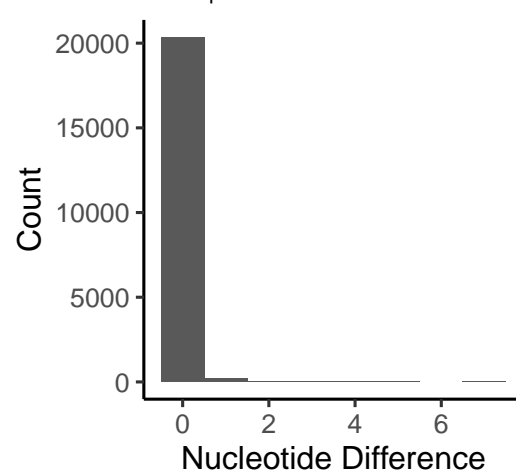
TRBV2*ap01

9680 sequences assigned
9537 (98.5%) exact matches, in which:
9363 unique CDR3
13 unique J



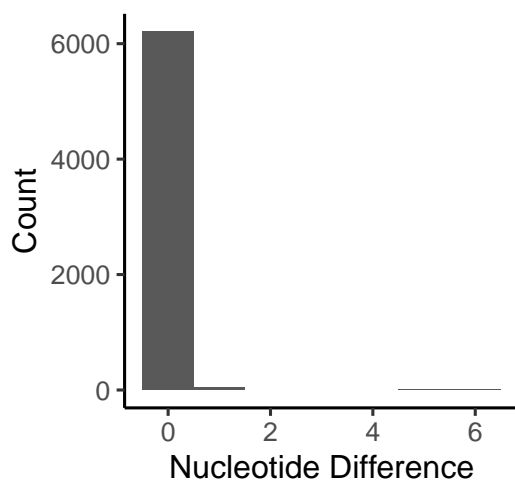
TRBV28*ap01

20571 sequences assigned
20354 (98.9%) exact matches, in which:
20044 unique CDR3
13 unique J



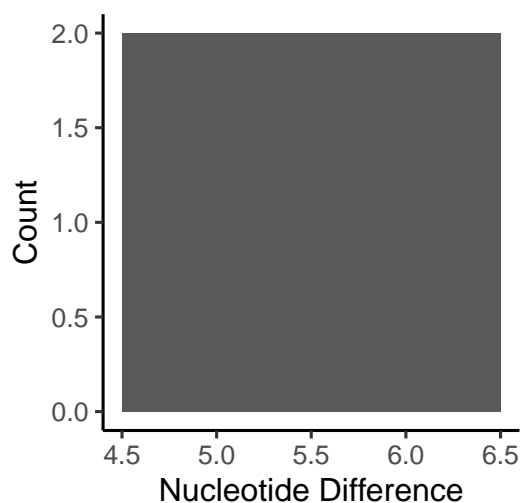
TRBV18*ap01

6251 sequences assigned
6207 (99.3%) exact matches, in which:
6135 unique CDR3
13 unique J



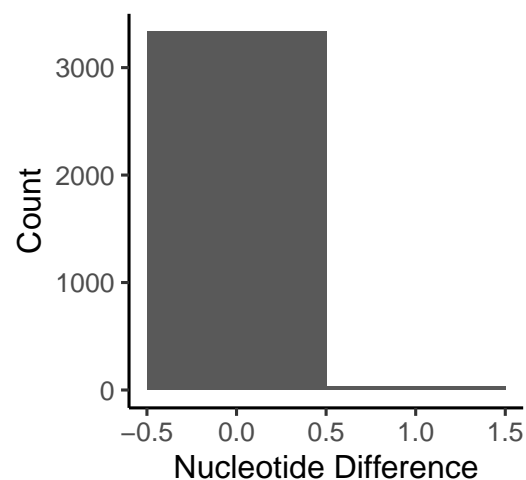
TRBV26*ap01

4 sequences assigned
No exact matches.



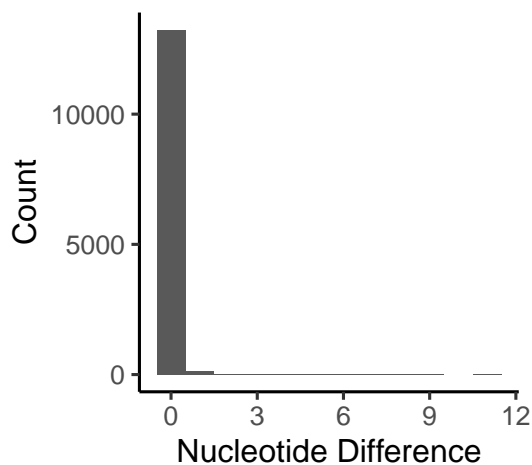
TRBV30*ap01

3369 sequences assigned
3334 (99%) exact matches, in which:
3292 unique CDR3
13 unique J



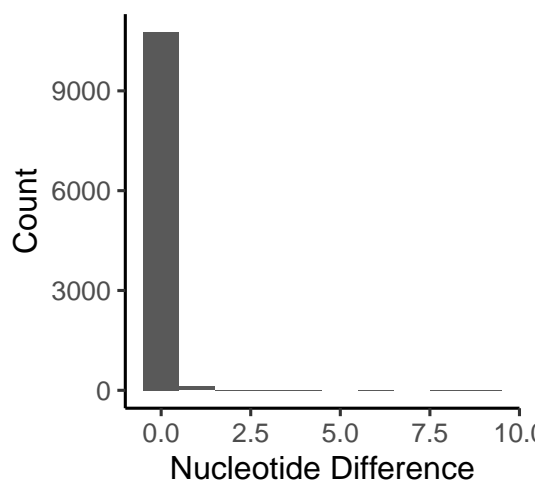
TRBV19*ap01

13399 sequences assigned
13239 (98.8%) exact matches, in which:
13093 unique CDR3
13 unique J



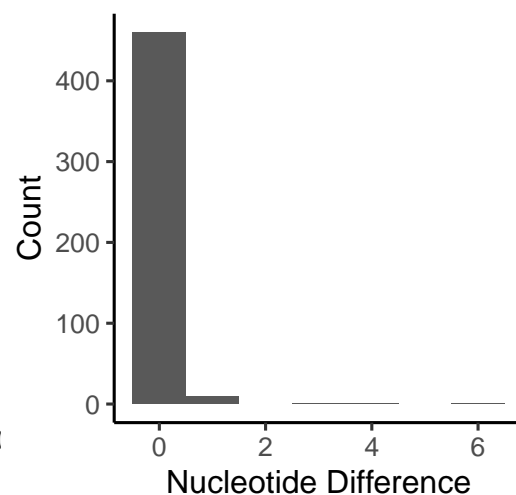
TRBV27*ap01

10897 sequences assigned
10767 (98.8%) exact matches, in which:
10509 unique CDR3
13 unique J



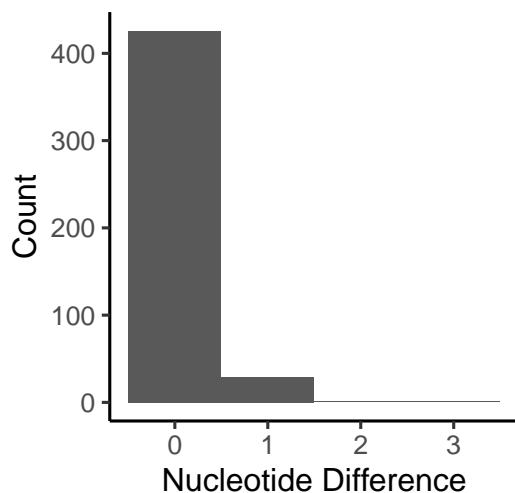
TRBV30*ap02

472 sequences assigned
460 (97.5%) exact matches, in which:
451 unique CDR3
13 unique J



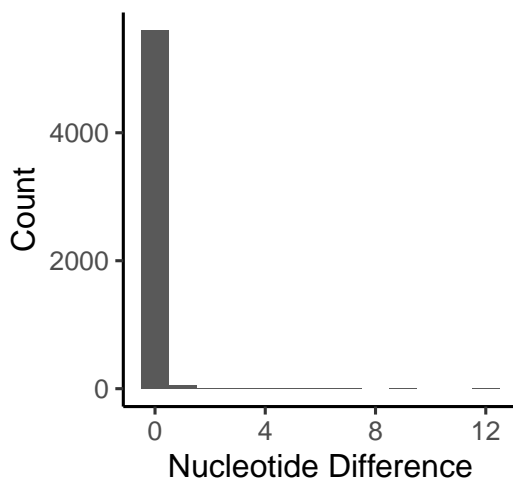
TRBV30*ap03

457 sequences assigned
426 (93.2%) exact matches, in which:
423 unique CDR3
13 unique J



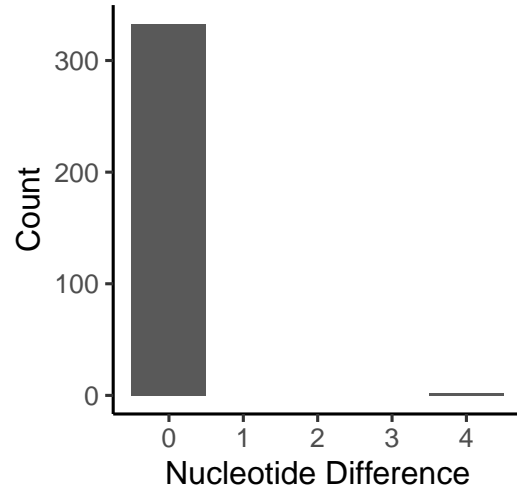
TRBV21-1*ap01

5690 sequences assigned
5600 (98.4%) exact matches, in which:
5516 unique CDR3
13 unique J



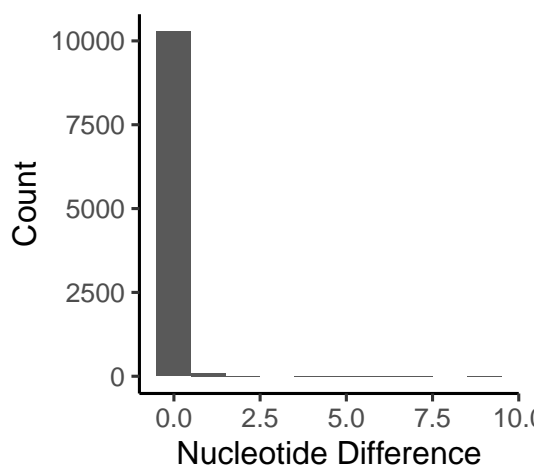
TRBV12-1*ap01

335 sequences assigned
333 (99.4%) exact matches, in which:
326 unique CDR3
13 unique J



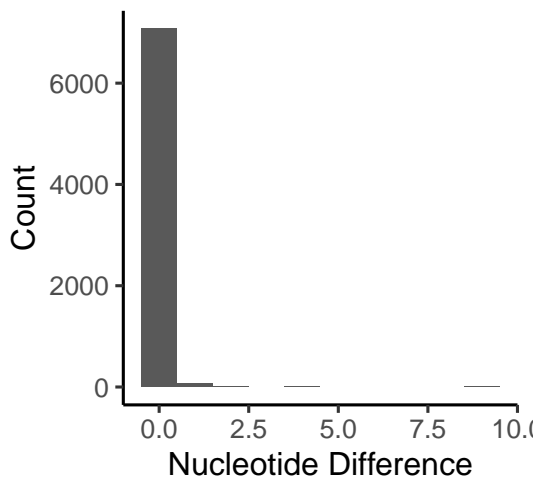
TRBV9*ap01

10381 sequences assigned
10281 (99%) exact matches, in which:
10119 unique CDR3
13 unique J



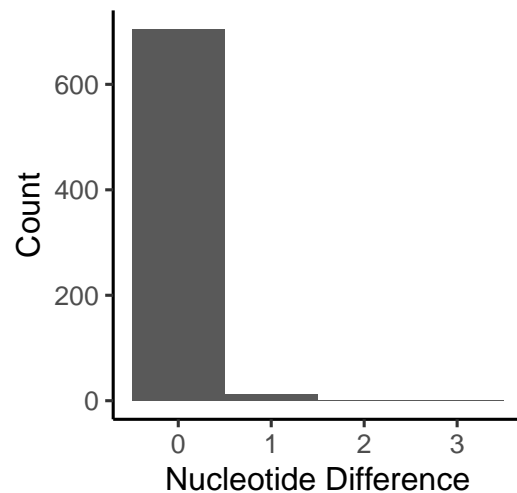
TRBV11-2*ap01

7155 sequences assigned
7075 (98.9%) exact matches, in which:
6942 unique CDR3
13 unique J



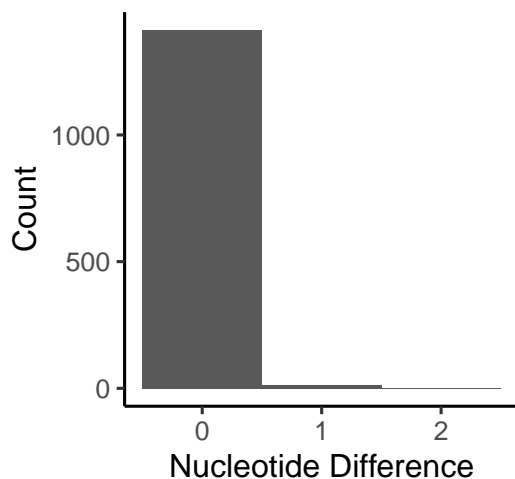
TRBV12-2*ap01

719 sequences assigned
705 (98.1%) exact matches, in which:
697 unique CDR3
13 unique J



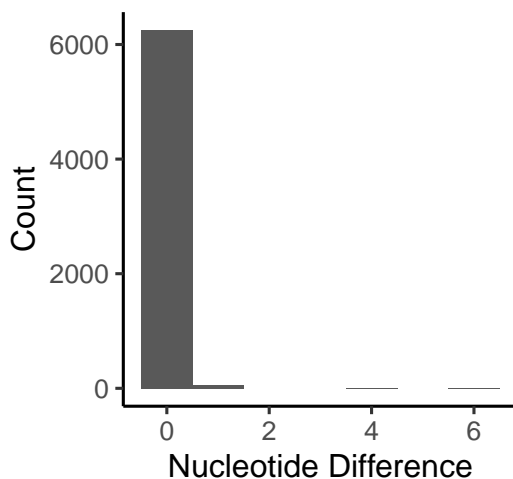
TRBV11-1*ap01

1430 sequences assigned
1414 (98.9%) exact matches, in which:
1378 unique CDR3
13 unique J



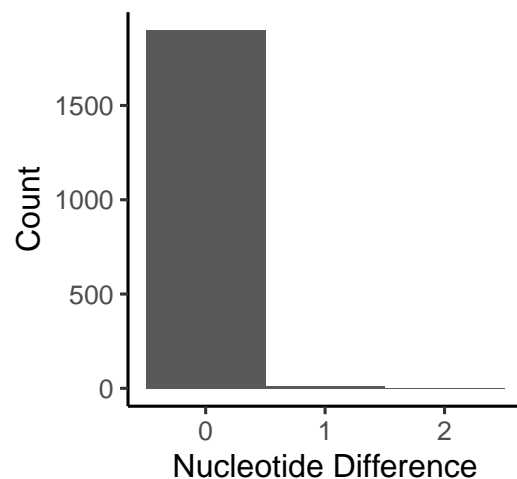
TRBV11-3*ap01

6319 sequences assigned
6252 (98.9%) exact matches, in which:
6139 unique CDR3
13 unique J



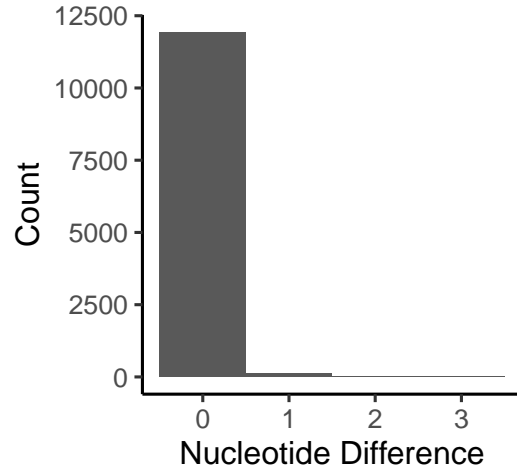
TRBV12-5*ap01

1915 sequences assigned
1900 (99.2%) exact matches, in which:
1860 unique CDR3
13 unique J



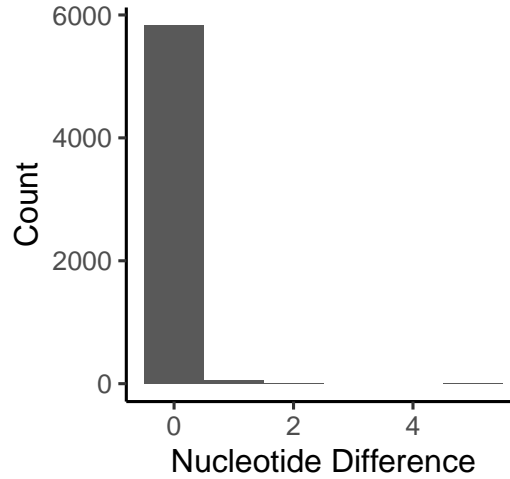
TRBV12-34*ap01

12050 sequences assigned
11932 (99%) exact matches, in which:
11694 unique CDR3
13 unique J



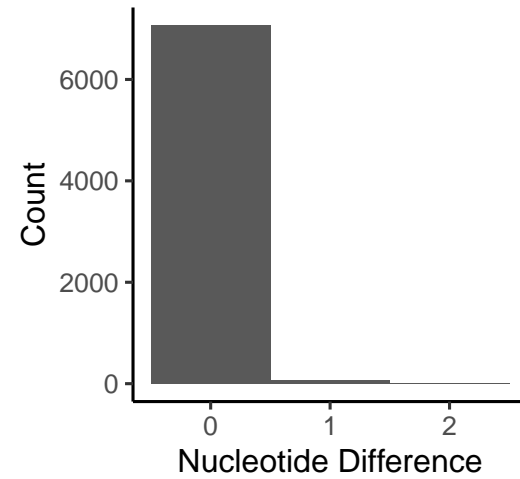
TRBV4-1*ap01

5892 sequences assigned
5830 (98.9%) exact matches, in which:
5710 unique CDR3
13 unique J



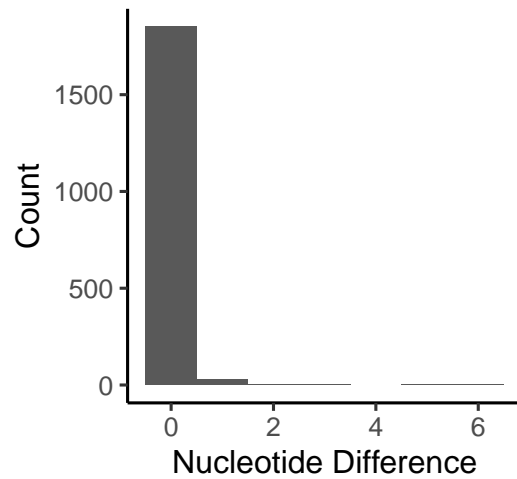
TRBV4-3*ap01

7142 sequences assigned
7066 (98.9%) exact matches, in which:
6931 unique CDR3
13 unique J



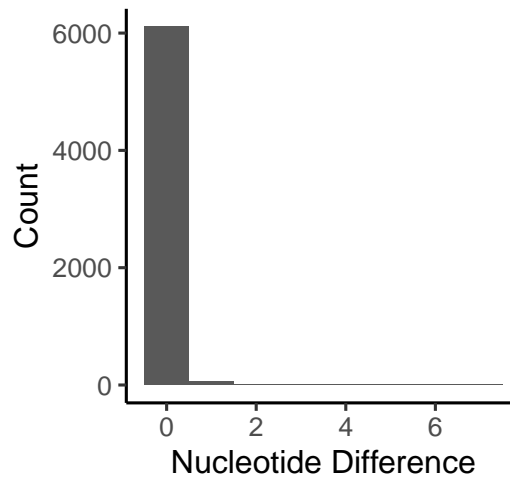
TRBV23-1*ap01

1893 sequences assigned
1851 (97.8%) exact matches, in which:
1812 unique CDR3
13 unique J



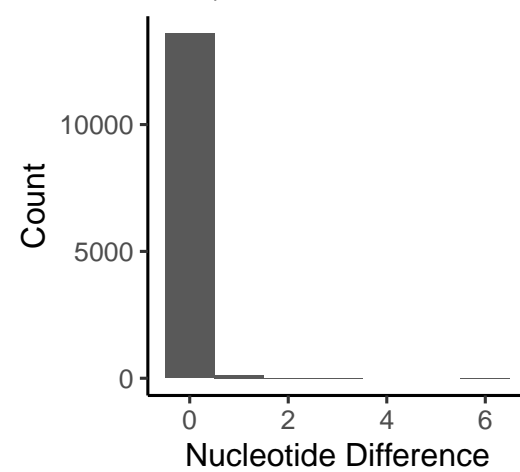
TRBV24-1*ap01

6190 sequences assigned
6108 (98.7%) exact matches, in which:
6015 unique CDR3
13 unique J



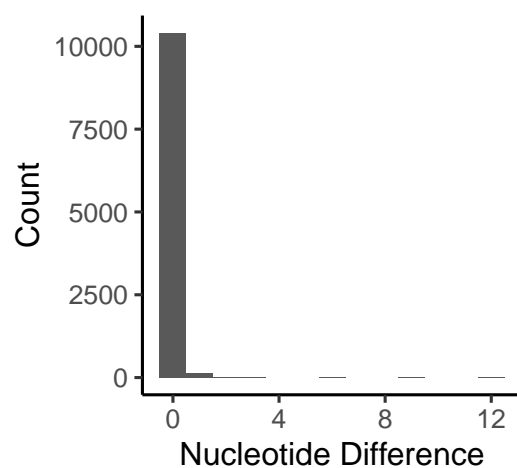
TRBV5-1*ap01

13732 sequences assigned
13591 (99%) exact matches, in which:
13269 unique CDR3
13 unique J



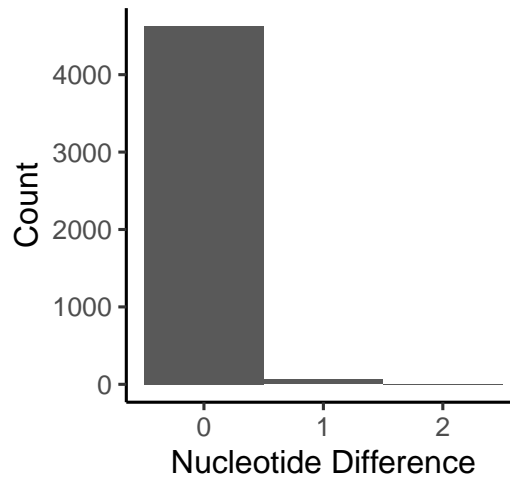
TRBV3-12*ap01

10551 sequences assigned
10409 (98.7%) exact matches, in which:
10187 unique CDR3
13 unique J



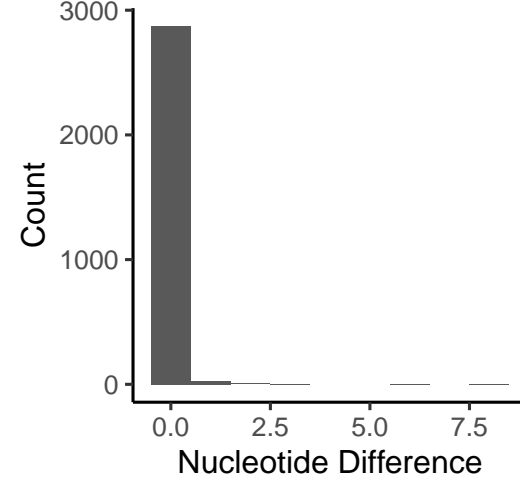
TRBV4-2*ap01

4691 sequences assigned
4628 (98.7%) exact matches, in which:
4538 unique CDR3
13 unique J



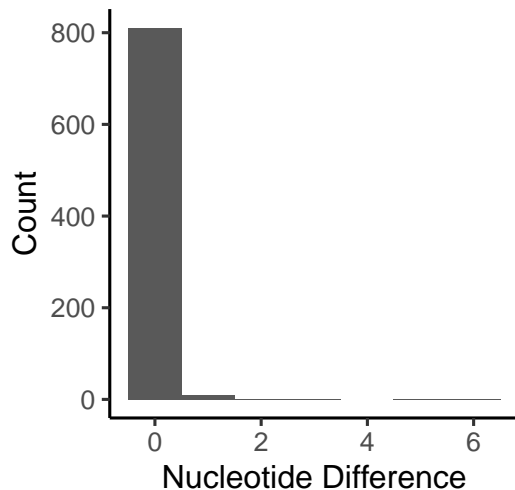
TRBV25-1*ap01

2912 sequences assigned
2873 (98.7%) exact matches, in which:
2831 unique CDR3
13 unique J



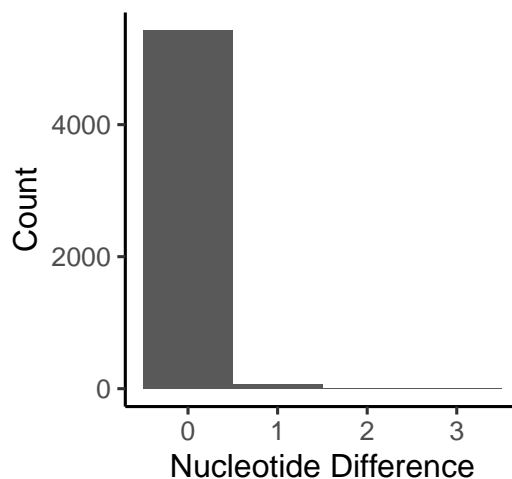
TRBV5-3*ap01

824 sequences assigned
811 (98.4%) exact matches, in which:
797 unique CDR3
13 unique J



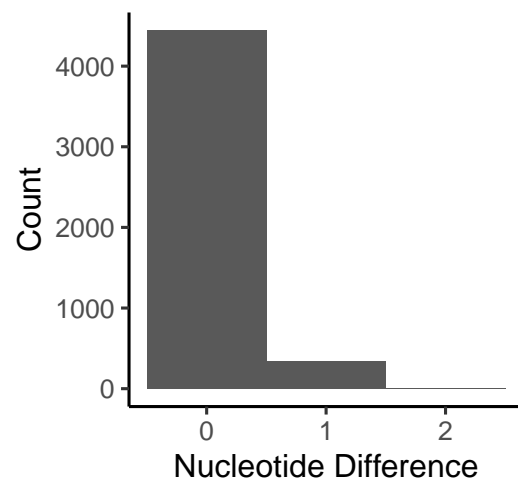
TRBV5-6*ap01

5503 sequences assigned
5428 (98.6%) exact matches, in which:
5307 unique CDR3
13 unique J



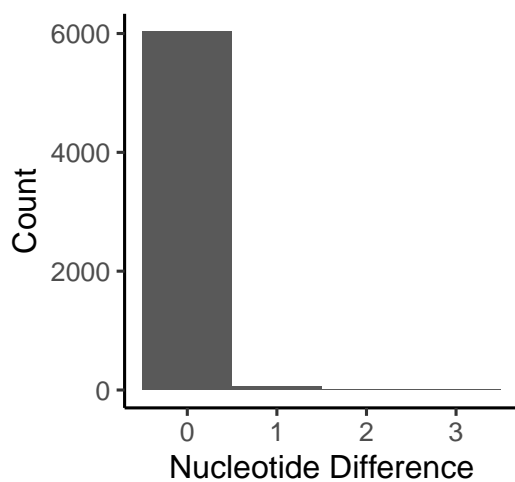
TRBV6-1*ap01

4788 sequences assigned
4443 (92.8%) exact matches, in which:
4342 unique CDR3
13 unique J



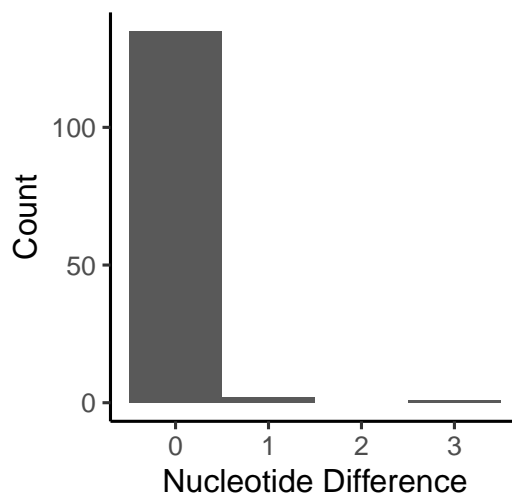
TRBV5-4*ap01

6097 sequences assigned
6030 (98.9%) exact matches, in which:
5907 unique CDR3
13 unique J



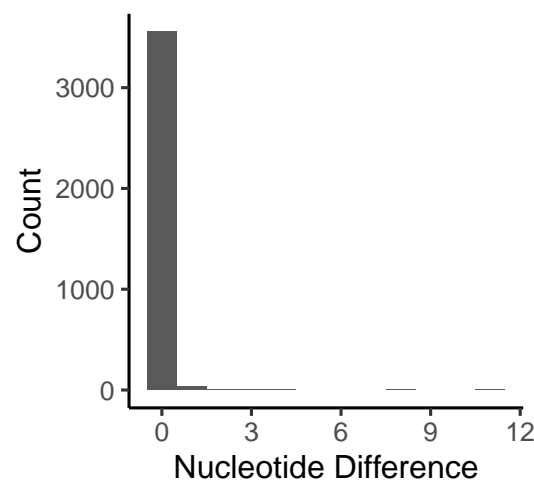
TRBV5-7*ap01

138 sequences assigned
135 (97.8%) exact matches, in which:
133 unique CDR3
12 unique J



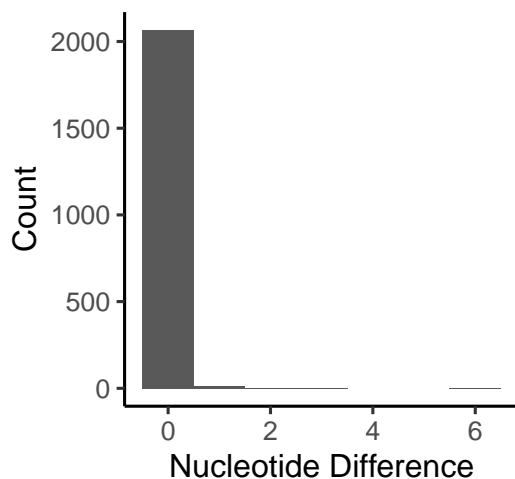
TRBV6-4*ap01

3602 sequences assigned
3555 (98.7%) exact matches, in which:
3486 unique CDR3
13 unique J



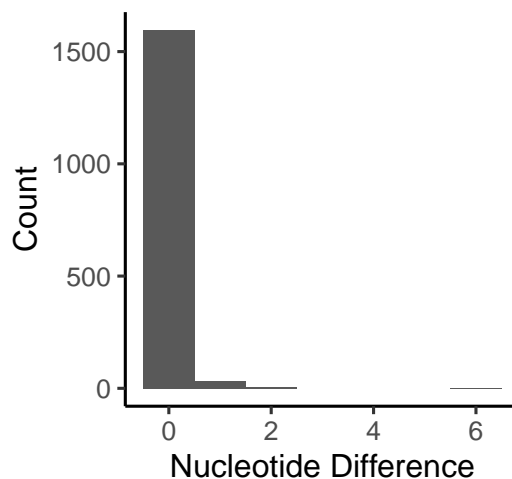
TRBV5-5*ap01

2085 sequences assigned
2066 (99.1%) exact matches, in which:
2048 unique CDR3
13 unique J



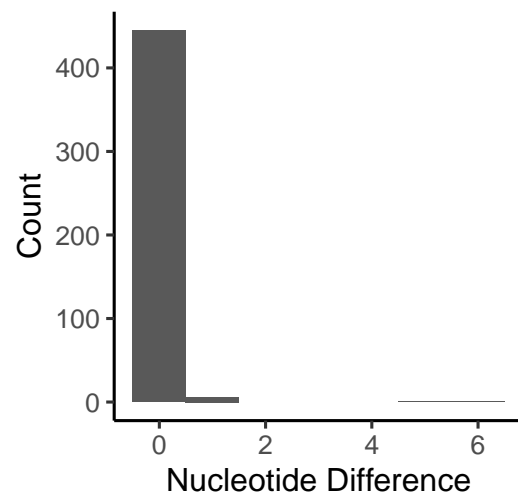
TRBV5-8*ap01

1635 sequences assigned
1596 (97.6%) exact matches, in which:
1575 unique CDR3
13 unique J



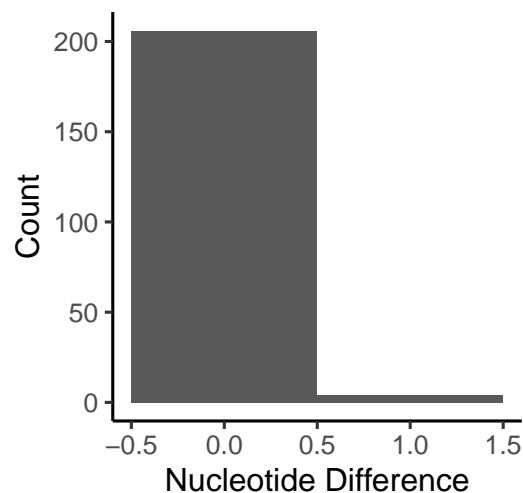
TRBV6-7*ap01

453 sequences assigned
445 (98.2%) exact matches, in which:
430 unique CDR3
13 unique J



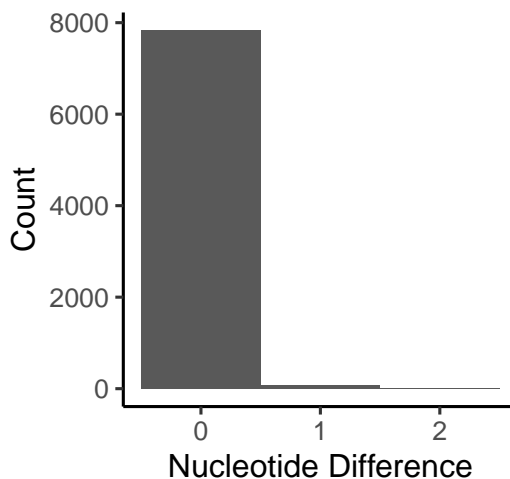
TRBV6–8*ap01

210 sequences assigned
206 (98.1%) exact matches, in which:
203 unique CDR3
13 unique J



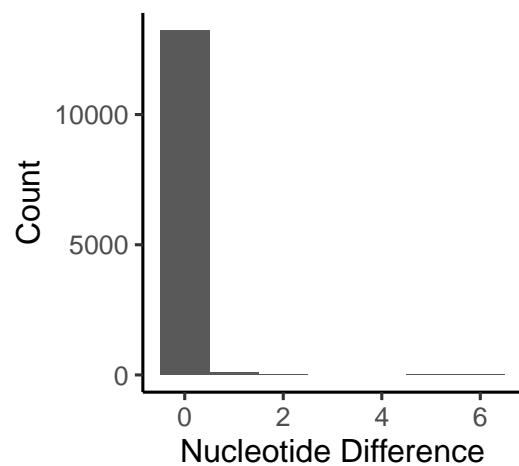
TRBV6–56*ap01

7915 sequences assigned
7831 (98.9%) exact matches, in which:
7641 unique CDR3
13 unique J



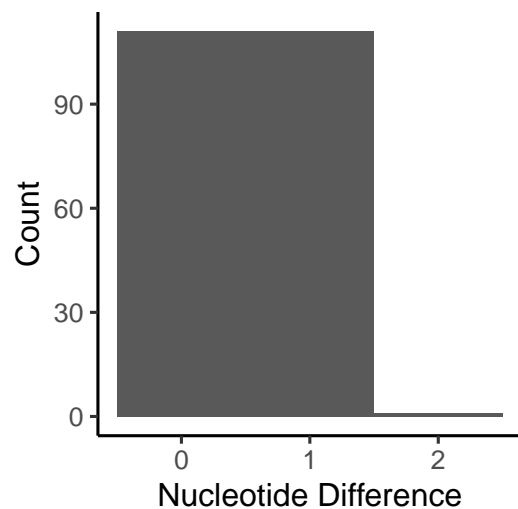
TRBV7–2*ap01

13347 sequences assigned
13242 (99.2%) exact matches, in which:
13026 unique CDR3
13 unique J



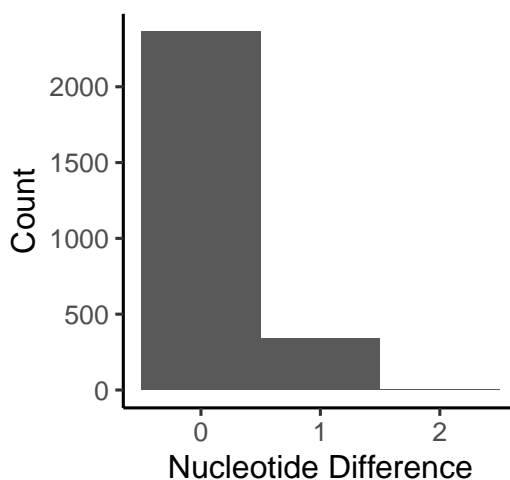
TRBV6–9*ap01

223 sequences assigned
111 (49.8%) exact matches, in which:
109 unique CDR3
13 unique J



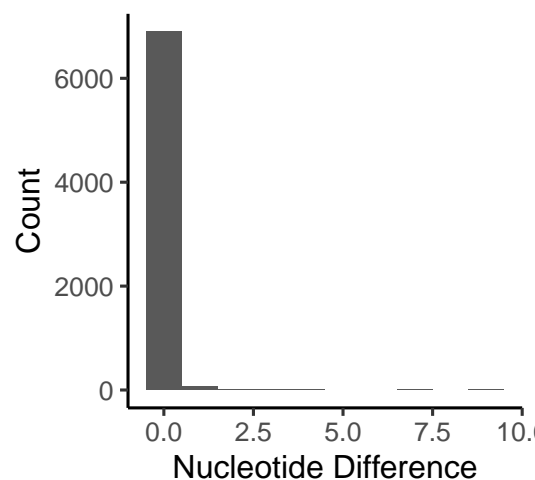
TRBV6–56*ap02

2707 sequences assigned
2363 (87.3%) exact matches, in which:
2319 unique CDR3
13 unique J



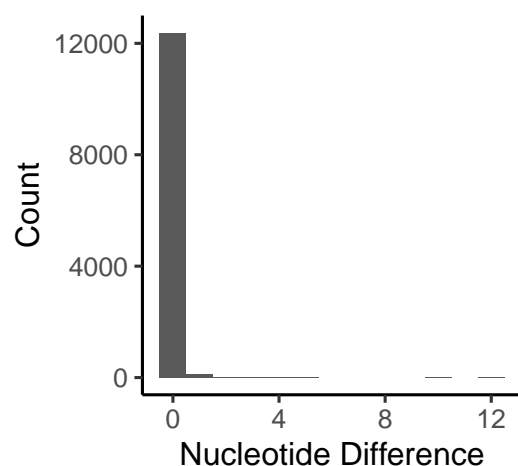
TRBV7–3*ap01

6981 sequences assigned
6897 (98.8%) exact matches, in which:
6812 unique CDR3
13 unique J



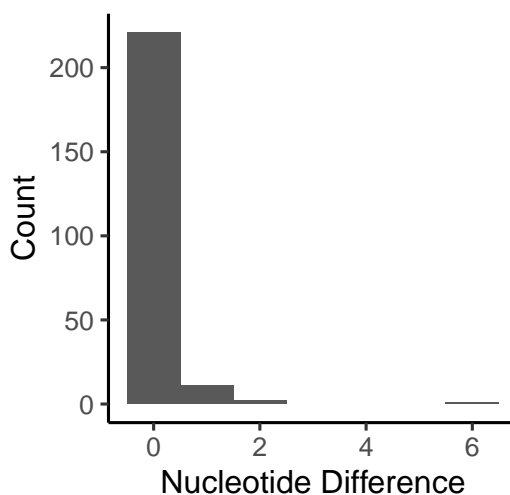
TRBV6–23*ap01

12532 sequences assigned
12379 (98.8%) exact matches, in which:
12081 unique CDR3
13 unique J



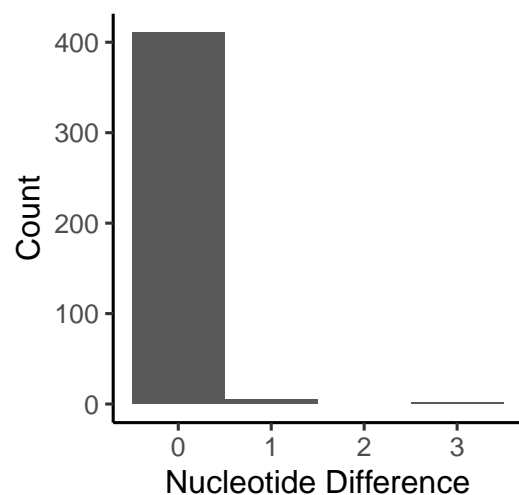
TRBV7–1*ap01_G291C_

235 sequences assigned
221 (94%) exact matches, in which:
219 unique CDR3
13 unique J



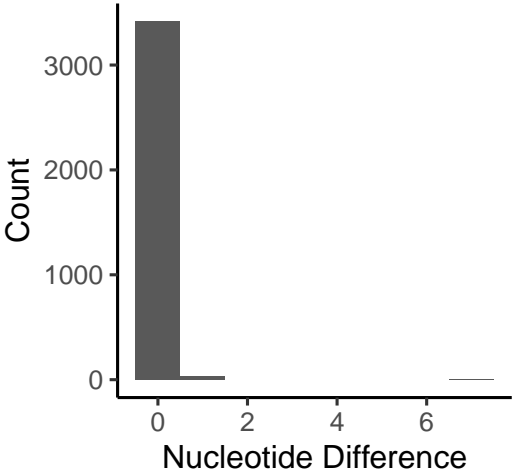
TRBV7–4*ap01

418 sequences assigned
411 (98.3%) exact matches, in which:
403 unique CDR3
13 unique J



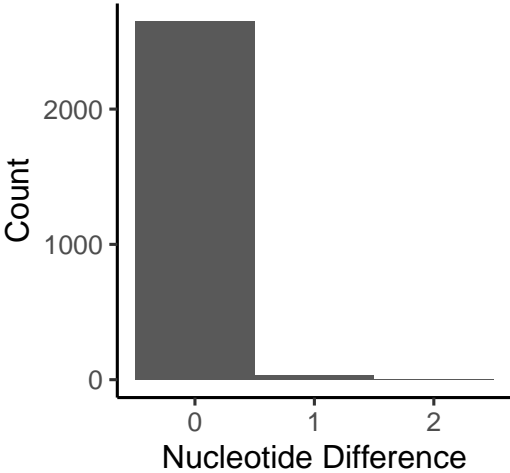
TRBV7-6*ap01

3451 sequences assigned
3416 (99%) exact matches, in which:
3338 unique CDR3
13 unique J



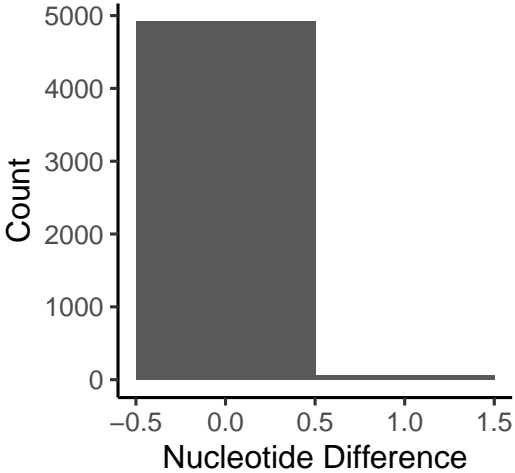
TRBV7-8*ap01

2683 sequences assigned
2648 (98.7%) exact matches, in which:
2591 unique CDR3
13 unique J



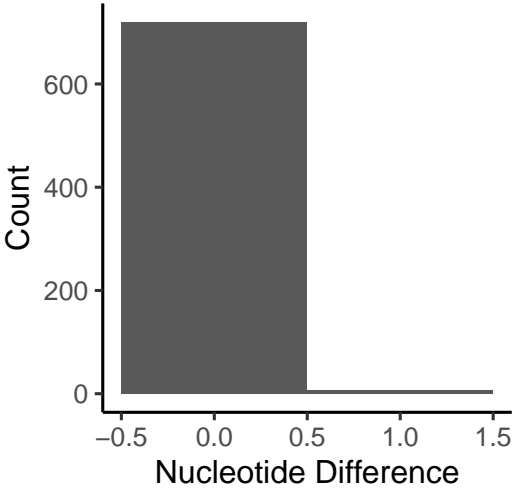
TRBV29-1*ap01

4978 sequences assigned
4920 (98.8%) exact matches, in which:
4829 unique CDR3
13 unique J



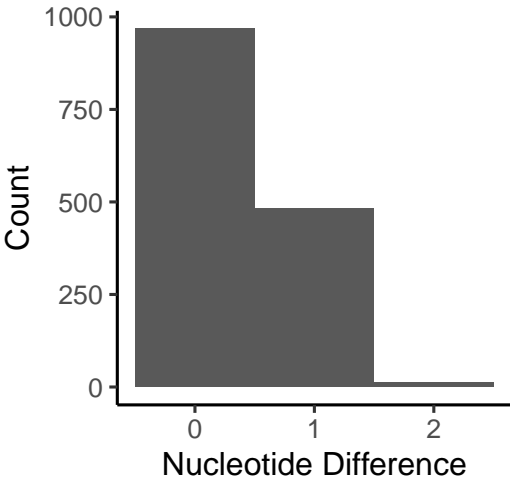
TRBV7-7*ap01

726 sequences assigned
720 (99.2%) exact matches, in which:
705 unique CDR3
13 unique J



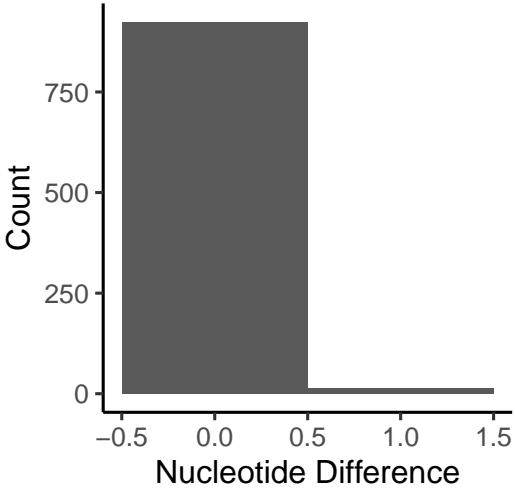
TRBV7-8*ap03

1462 sequences assigned
968 (66.2%) exact matches, in which:
941 unique CDR3
13 unique J



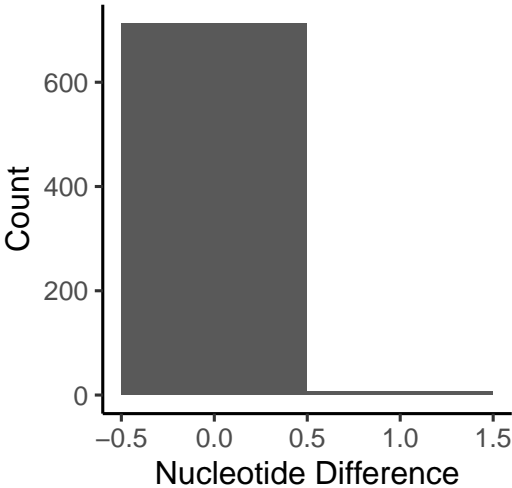
TRBV29-1*ap02

938 sequences assigned
924 (98.5%) exact matches, in which:
910 unique CDR3
13 unique J



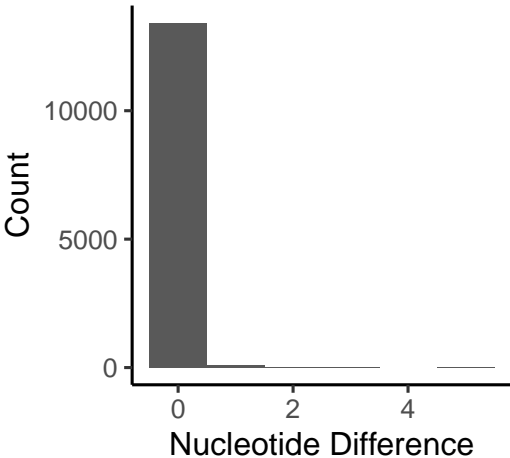
TRBV7-7*ap01_C315T

720 sequences assigned
713 (99%) exact matches, in which:
700 unique CDR3
13 unique J

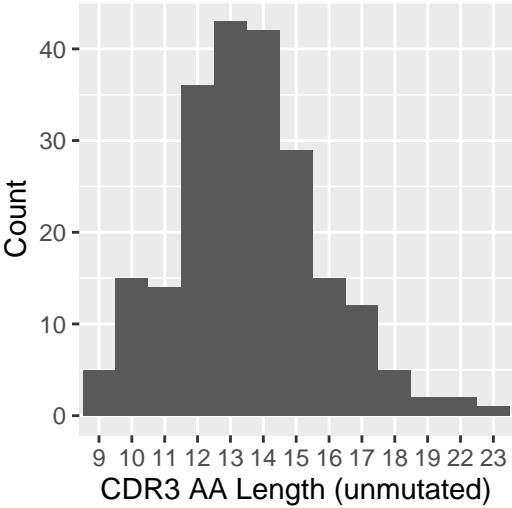


TRBV7-9*ap01

13544 sequences assigned
13423 (99.1%) exact matches, in which:
13250 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

