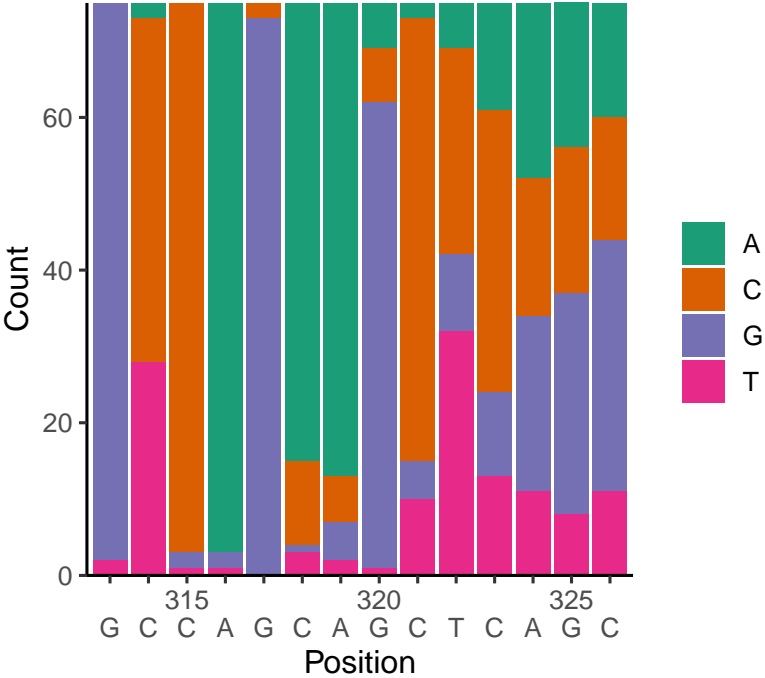
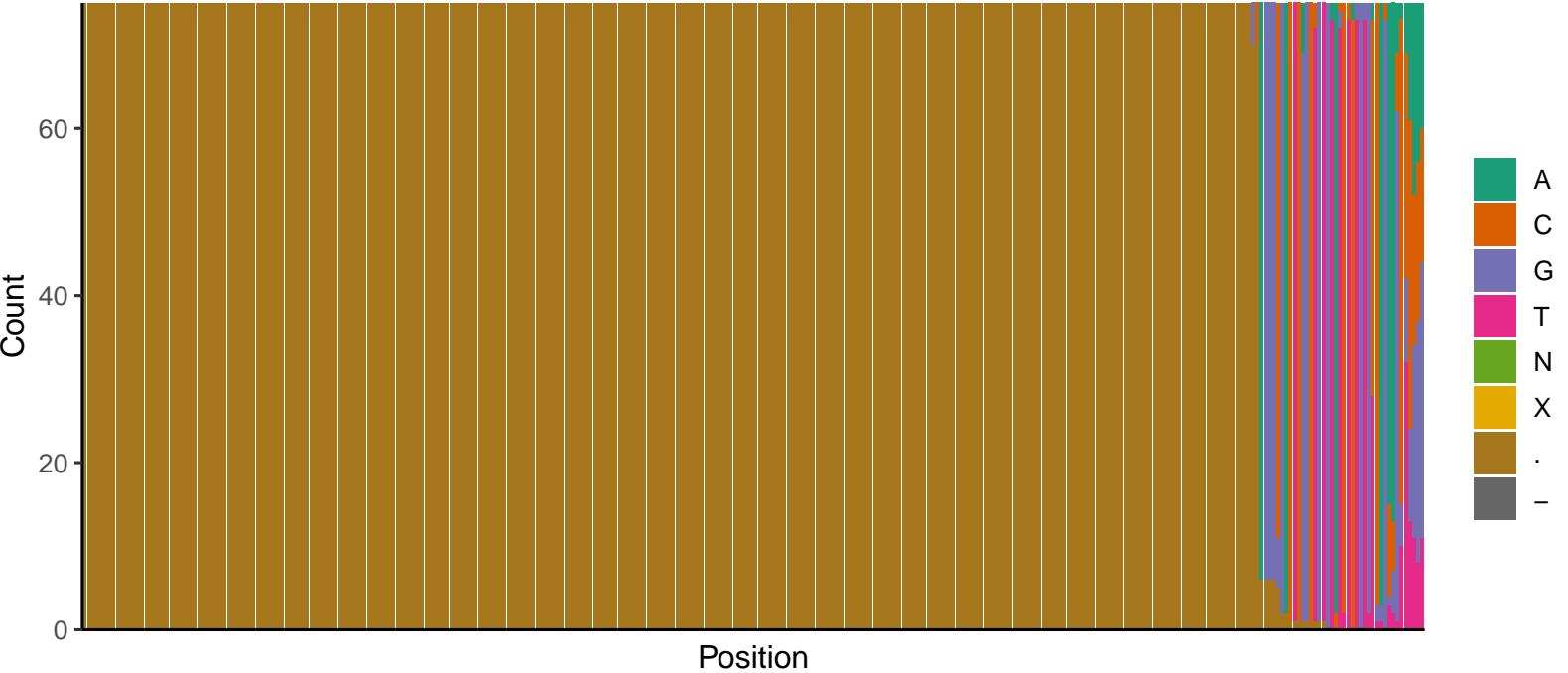


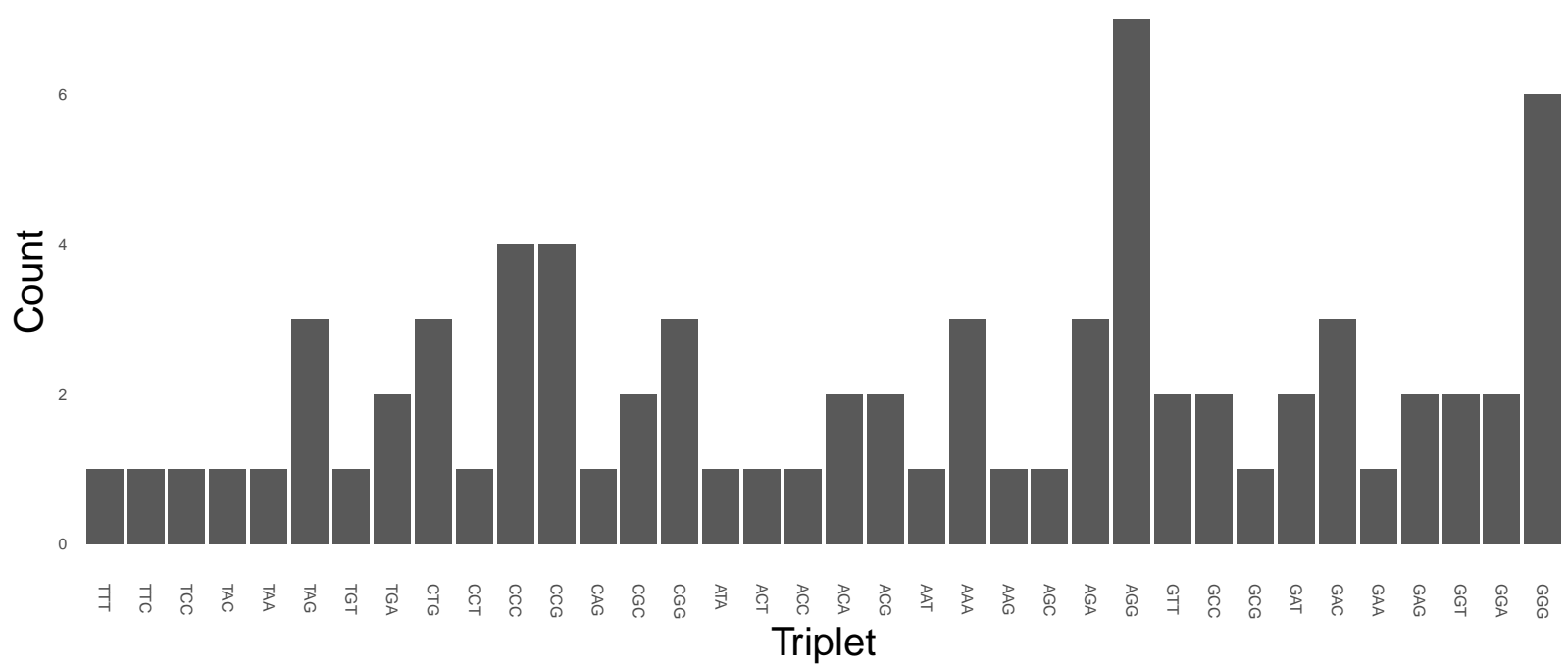
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

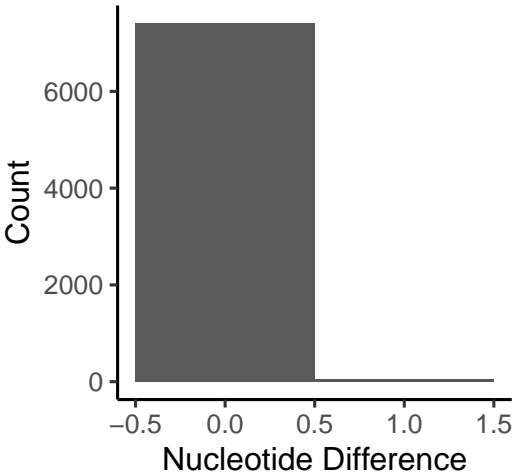


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



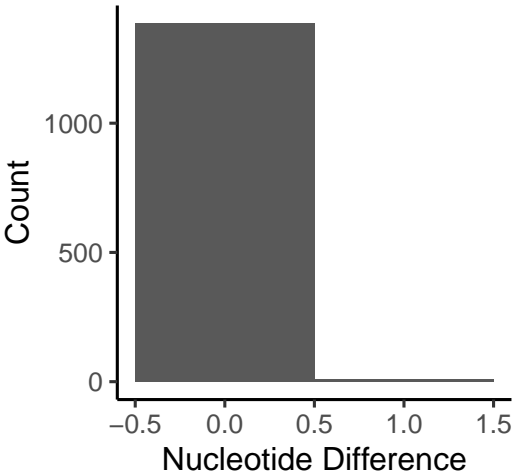
TRBV20-1*ap01

7457 sequences assigned
7404 (99.3%) exact matches, in which:
7365 unique CDR3
13 unique J



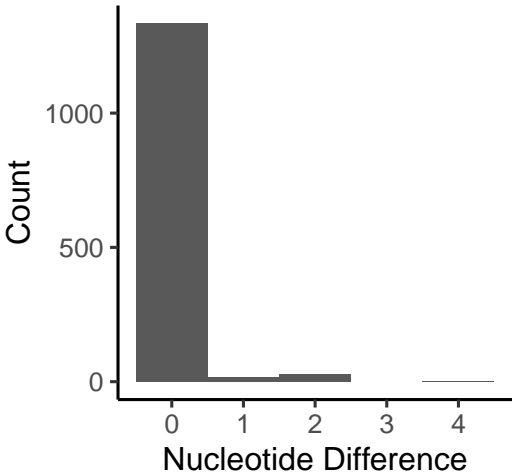
TRBV10-2*ap01

1396 sequences assigned
1386 (99.3%) exact matches, in which:
1372 unique CDR3
13 unique J



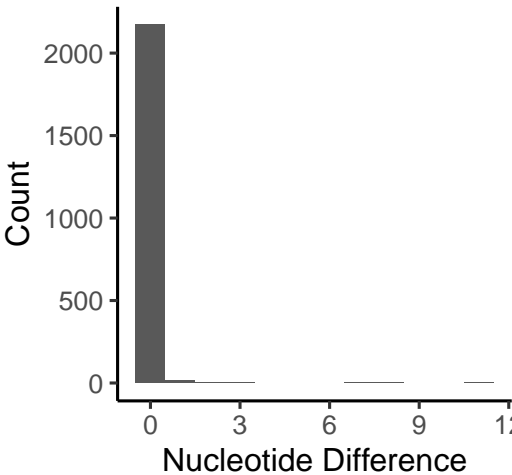
TRBV13*ap01

1379 sequences assigned
1334 (96.7%) exact matches, in which:
1311 unique CDR3
13 unique J



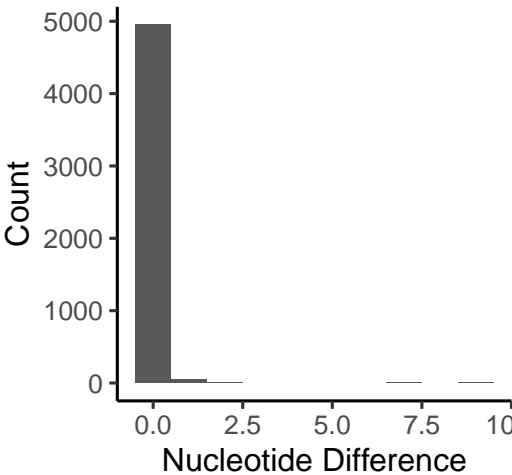
TRBV10-1*ap01

2196 sequences assigned
2172 (98.9%) exact matches, in which:
2153 unique CDR3
13 unique J



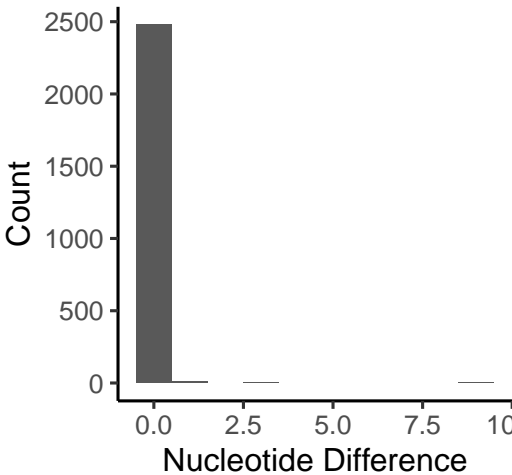
TRBV10-3*ap01

5003 sequences assigned
4952 (99%) exact matches, in which:
4903 unique CDR3
13 unique J



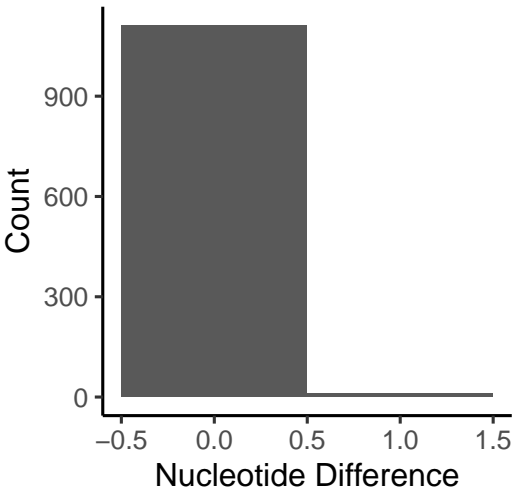
TRBV14*ap01

2490 sequences assigned
2479 (99.6%) exact matches, in which:
2464 unique CDR3
13 unique J



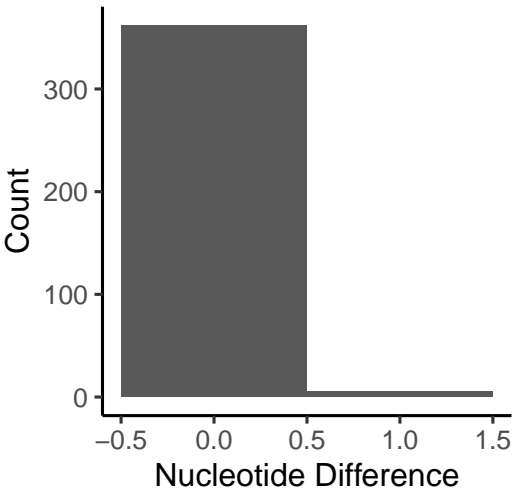
TRBV20-1*ap02

1122 sequences assigned
1112 (99.1%) exact matches, in which:
1104 unique CDR3
13 unique J



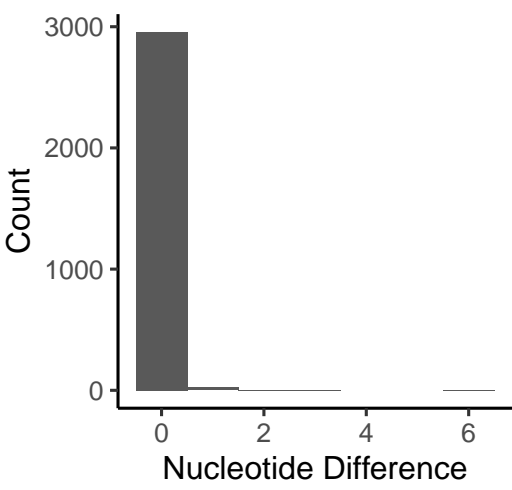
TRBV1*ap01

367 sequences assigned
362 (98.6%) exact matches, in which:
354 unique CDR3
13 unique J



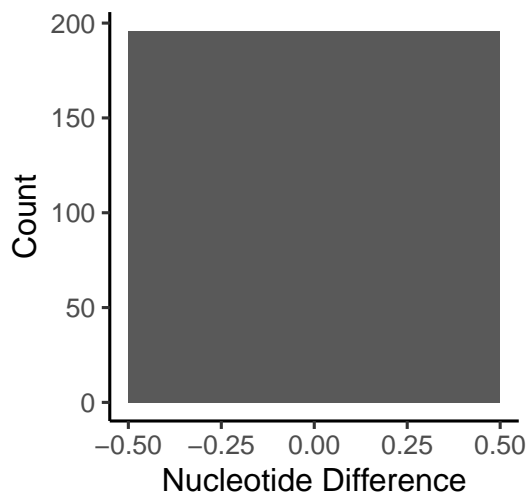
TRBV15*ap02

2983 sequences assigned
2956 (99.1%) exact matches, in which:
2920 unique CDR3
13 unique J



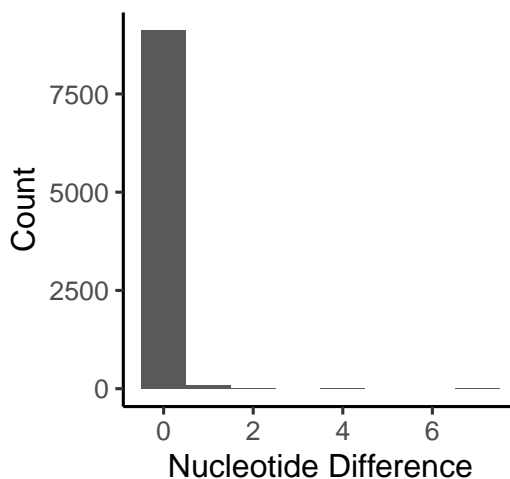
TRBV16*ap01

196 sequences assigned
196 (100%) exact matches, in which:
196 unique CDR3
13 unique J



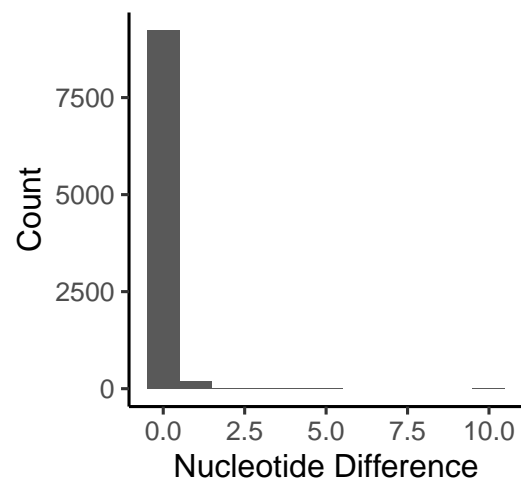
TRBV2*ap01

9219 sequences assigned
9116 (98.9%) exact matches, in which:
9029 unique CDR3
13 unique J



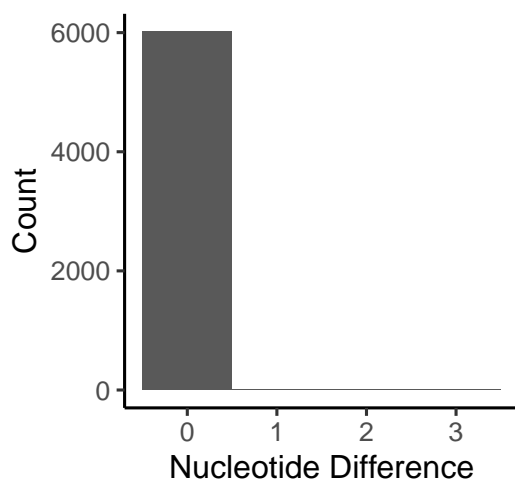
TRBV30*ap01

9425 sequences assigned
9231 (97.9%) exact matches, in which:
9063 unique CDR3
13 unique J



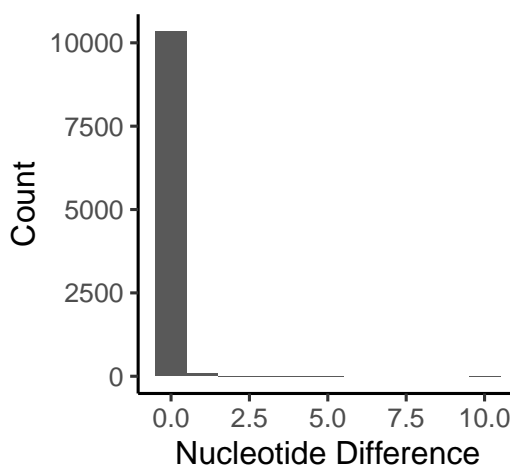
TRBV18*ap01

6034 sequences assigned
6015 (99.7%) exact matches, in which:
5986 unique CDR3
13 unique J



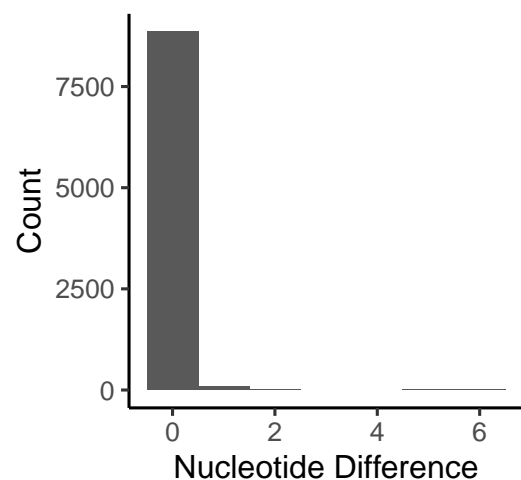
TRBV27*ap01

10437 sequences assigned
10340 (99.1%) exact matches, in which:
10245 unique CDR3
13 unique J



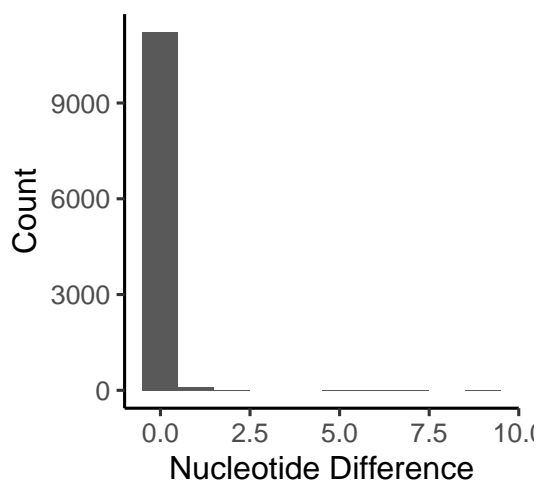
TRBV9*ap01

8937 sequences assigned
8855 (99.1%) exact matches, in which:
8828 unique CDR3
13 unique J



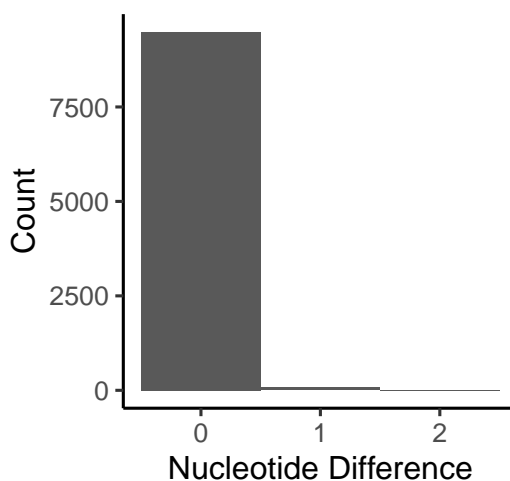
TRBV19*ap01

11333 sequences assigned
11223 (99%) exact matches, in which:
11180 unique CDR3
13 unique J



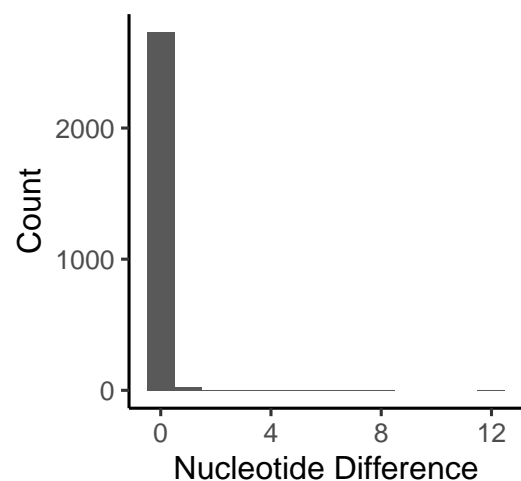
TRBV28*ap01

9555 sequences assigned
9483 (99.2%) exact matches, in which:
9417 unique CDR3
13 unique J



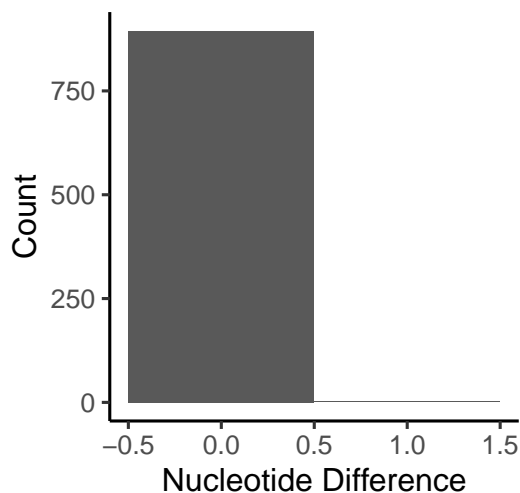
TRBV21-1*ap01

2769 sequences assigned
2732 (98.7%) exact matches, in which:
2719 unique CDR3
13 unique J



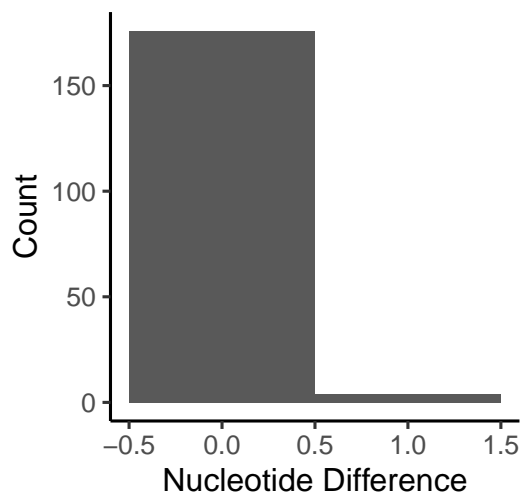
TRBV11-1*ap01

897 sequences assigned
895 (99.8%) exact matches, in which:
885 unique CDR3
13 unique J



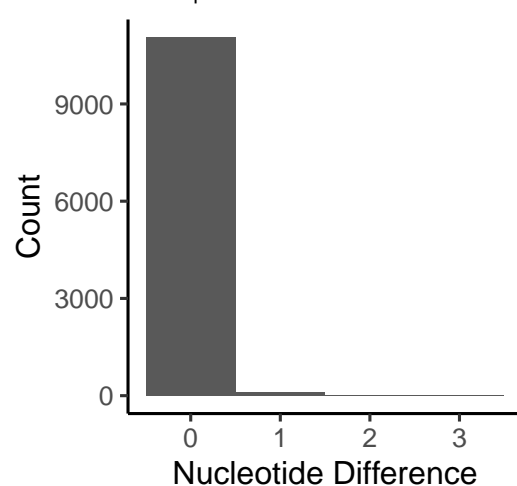
TRBV12-1*ap01

180 sequences assigned
176 (97.8%) exact matches, in which:
176 unique CDR3
13 unique J



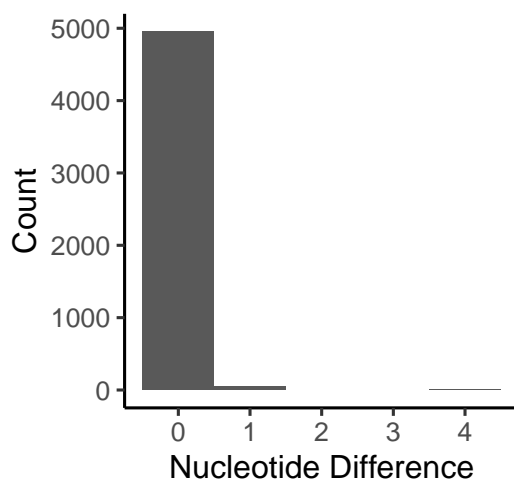
TRBV12-34*ap01

11170 sequences assigned
11053 (99%) exact matches, in which:
10965 unique CDR3
13 unique J



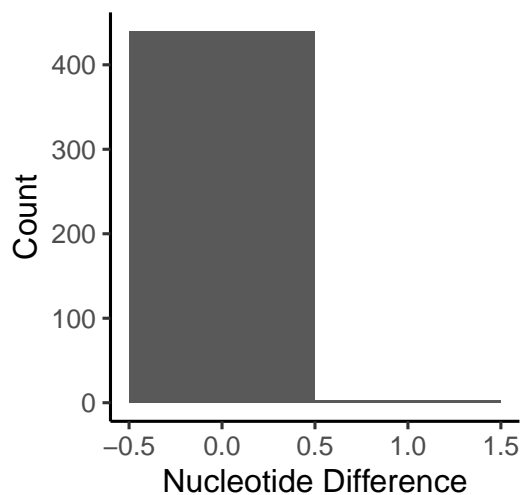
TRBV11-2*ap01

4998 sequences assigned
4952 (99.1%) exact matches, in which:
4924 unique CDR3
13 unique J



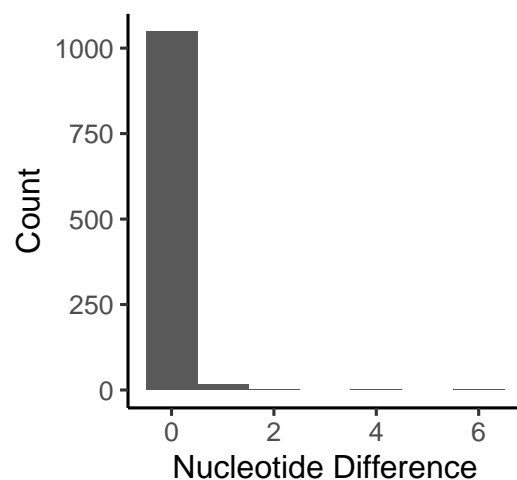
TRBV12-2*ap01

443 sequences assigned
440 (99.3%) exact matches, in which:
435 unique CDR3
13 unique J



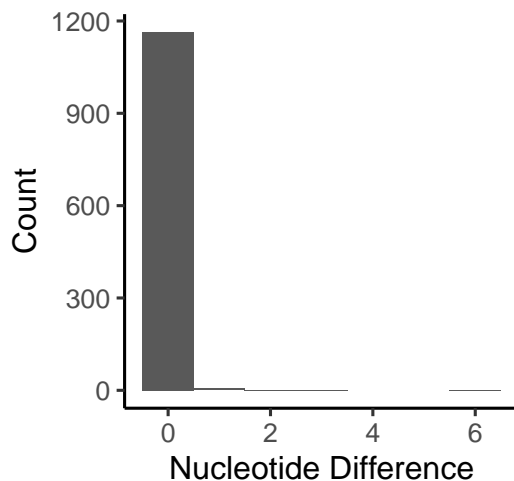
TRBV23-1*ap01

1067 sequences assigned
1048 (98.2%) exact matches, in which:
1043 unique CDR3
13 unique J



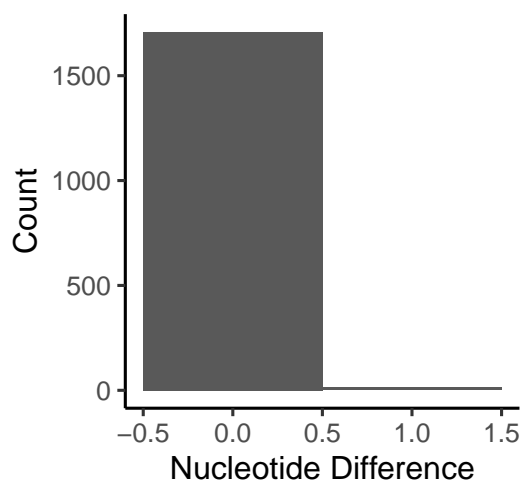
TRBV11-3*ap01

1174 sequences assigned
1164 (99.1%) exact matches, in which:
1155 unique CDR3
13 unique J



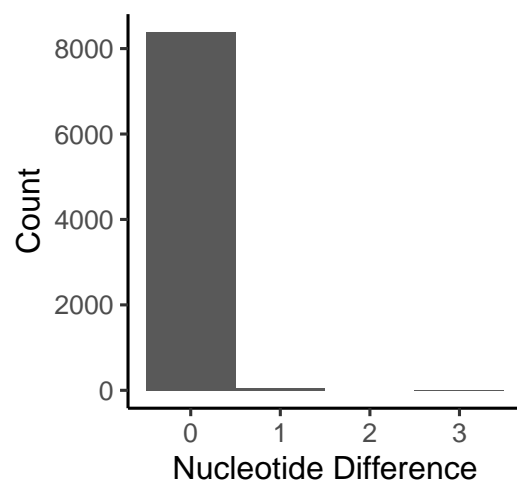
TRBV12-5*ap01

1721 sequences assigned
1708 (99.2%) exact matches, in which:
1696 unique CDR3
13 unique J



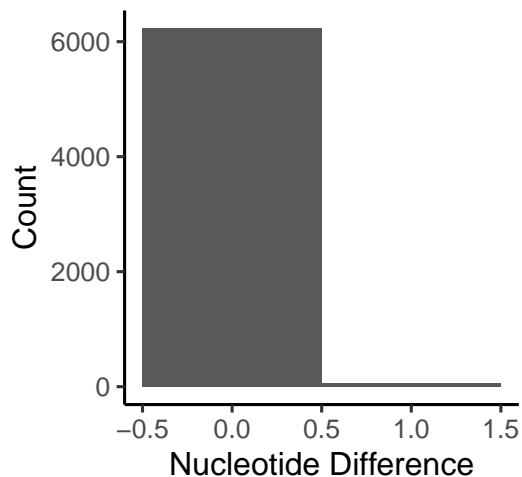
TRBV3-12*ap01

8436 sequences assigned
8387 (99.4%) exact matches, in which:
8356 unique CDR3
13 unique J



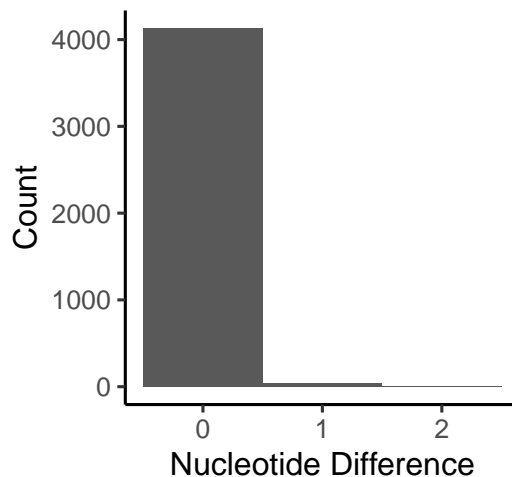
TRBV4-1*ap01

6286 sequences assigned
6231 (99.1%) exact matches, in which:
6169 unique CDR3
13 unique J



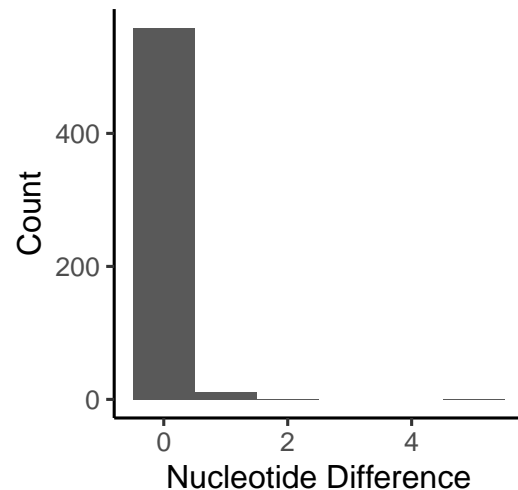
TRBV4-3*ap01

4173 sequences assigned
4129 (98.9%) exact matches, in which:
4095 unique CDR3
13 unique J



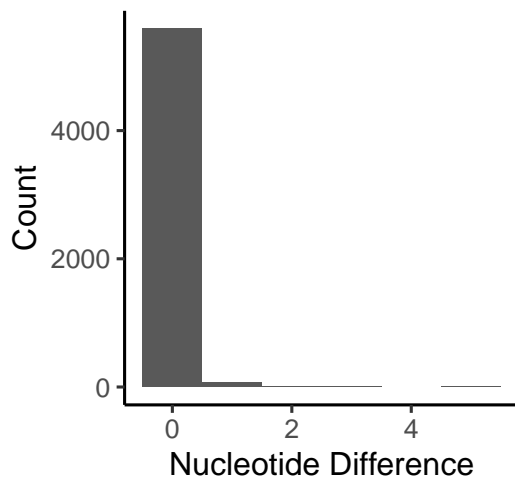
TRBV5-3*ap01

572 sequences assigned
559 (97.7%) exact matches, in which:
554 unique CDR3
13 unique J



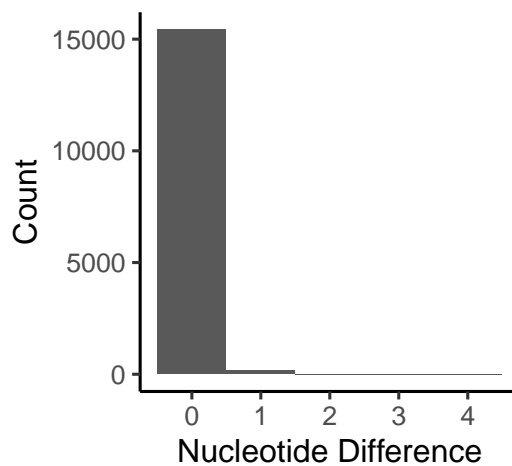
TRBV24-1*ap01

5666 sequences assigned
5589 (98.6%) exact matches, in which:
5542 unique CDR3
13 unique J



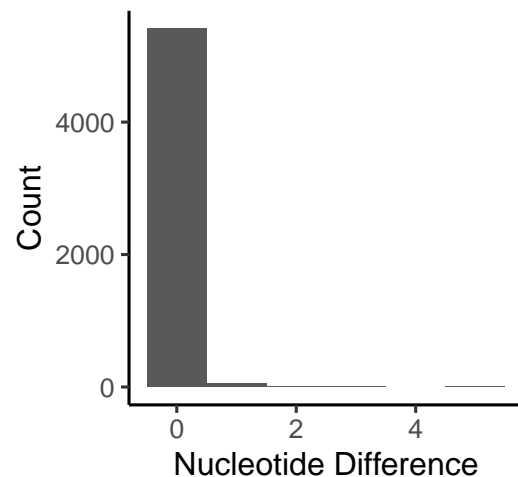
TRBV5-1*ap01

15620 sequences assigned
15433 (98.8%) exact matches, in which:
15272 unique CDR3
13 unique J



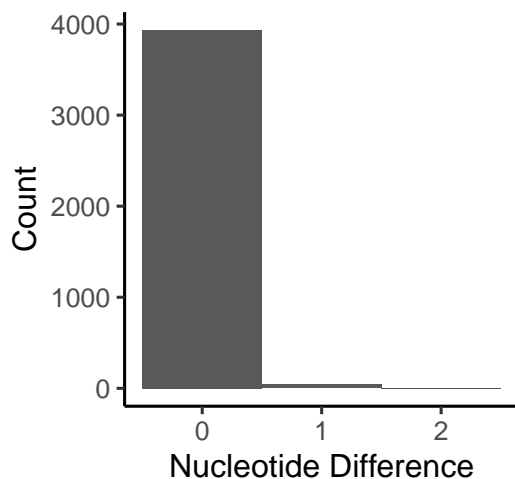
TRBV5-4*ap01

5466 sequences assigned
5410 (99%) exact matches, in which:
5368 unique CDR3
13 unique J



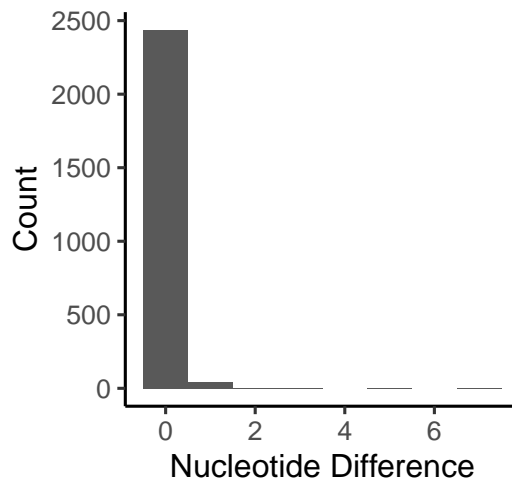
TRBV4-2*ap01

3979 sequences assigned
3934 (98.9%) exact matches, in which:
3892 unique CDR3
13 unique J



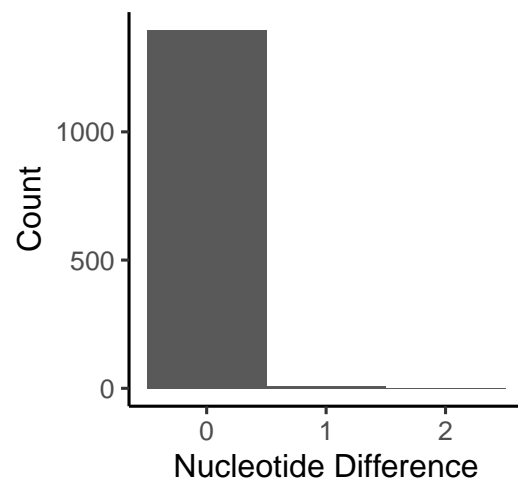
TRBV25-1*ap01

2481 sequences assigned
2436 (98.2%) exact matches, in which:
2391 unique CDR3
13 unique J



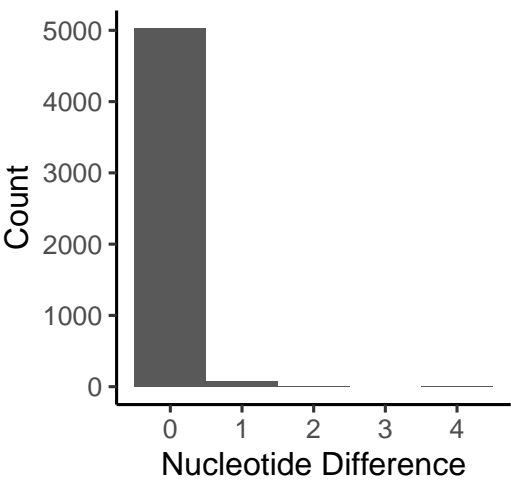
TRBV5-5*ap01

1408 sequences assigned
1397 (99.2%) exact matches, in which:
1389 unique CDR3
13 unique J



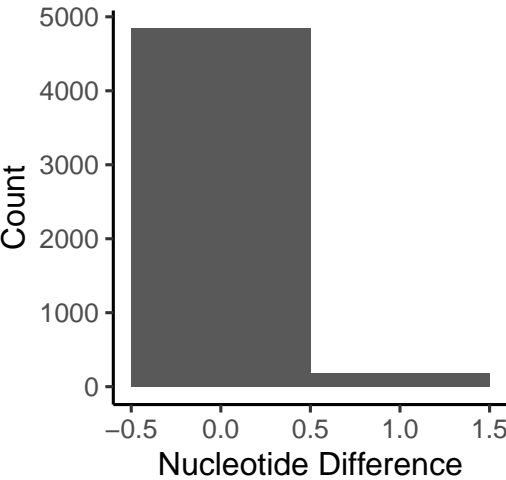
TRBV5-6*ap01

5104 sequences assigned
5027 (98.5%) exact matches, in which:
4937 unique CDR3
13 unique J



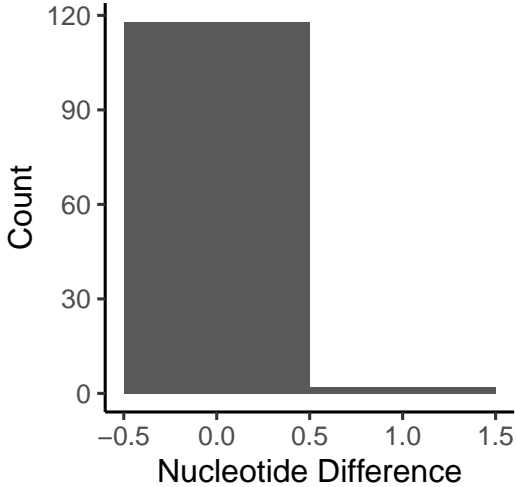
TRBV6-1*ap01

5020 sequences assigned
4843 (96.5%) exact matches, in which:
4784 unique CDR3
13 unique J



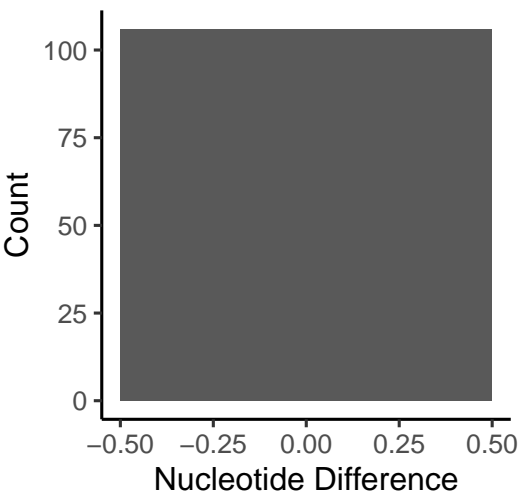
TRBV6-8*ap01

120 sequences assigned
118 (98.3%) exact matches, in which:
116 unique CDR3
12 unique J



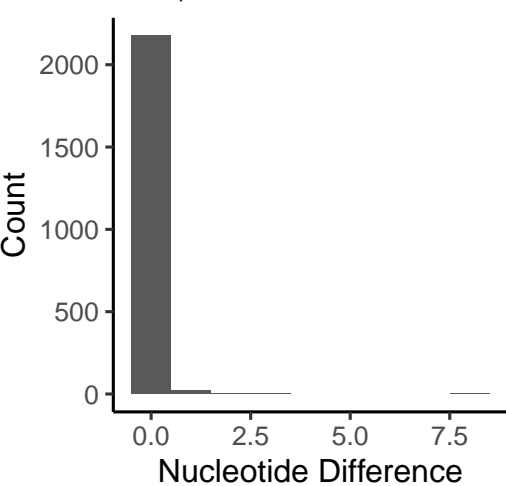
TRBV5-7*ap01

106 sequences assigned
106 (100%) exact matches, in which:
104 unique CDR3
13 unique J



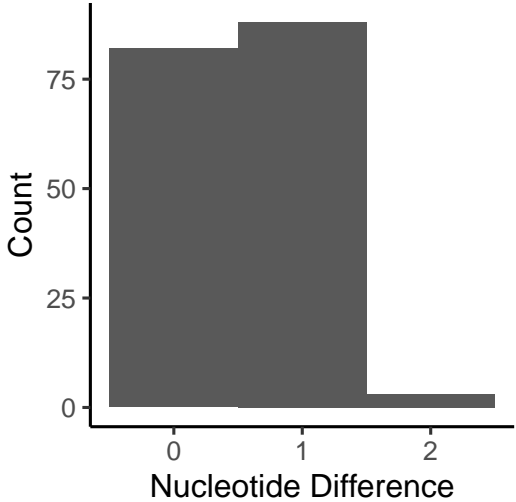
TRBV6-4*ap01

2205 sequences assigned
2176 (98.7%) exact matches, in which:
2169 unique CDR3
13 unique J



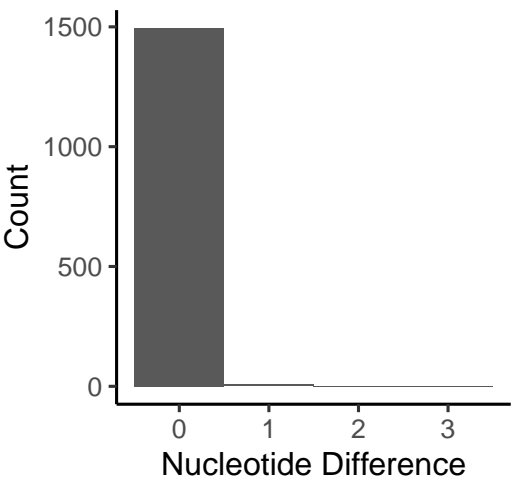
TRBV6-9*ap01

173 sequences assigned
82 (47.4%) exact matches, in which:
82 unique CDR3
11 unique J



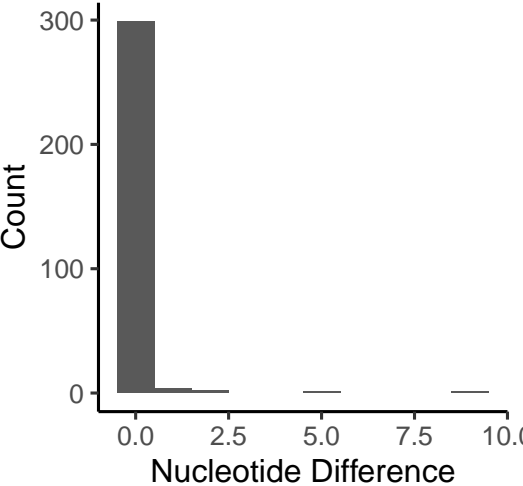
TRBV5-8*ap01

1506 sequences assigned
1495 (99.3%) exact matches, in which:
1483 unique CDR3
13 unique J



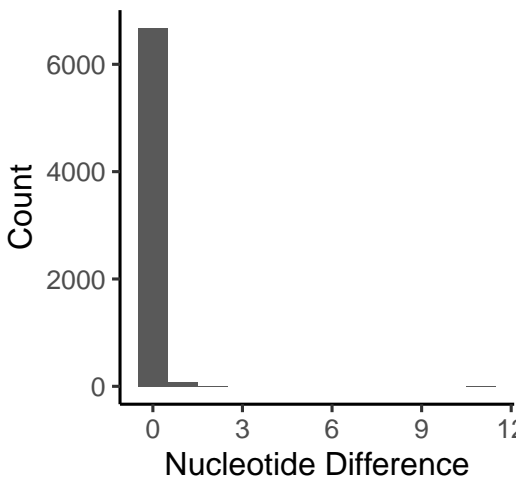
TRBV6-7*ap01

307 sequences assigned
299 (97.4%) exact matches, in which:
296 unique CDR3
13 unique J



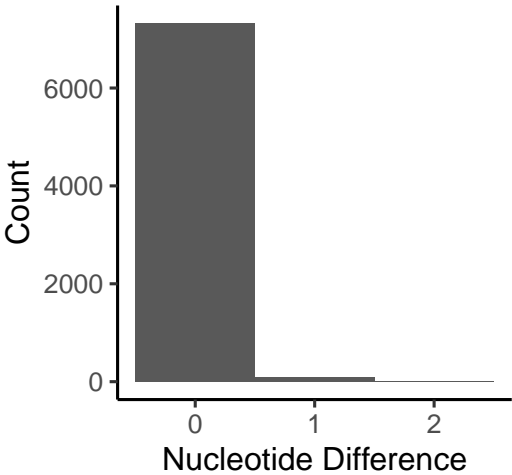
TRBV6-23*ap01

6760 sequences assigned
6676 (98.8%) exact matches, in which:
6563 unique CDR3
13 unique J



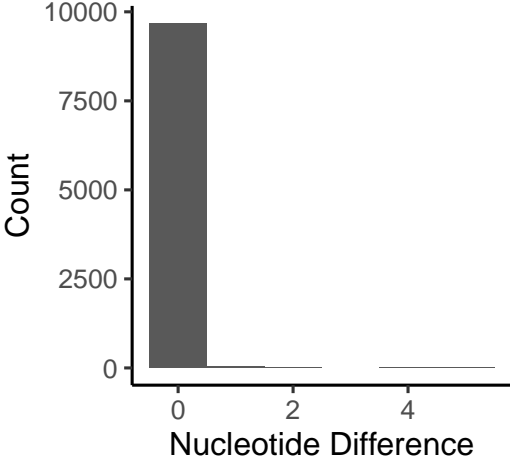
TRBV6-56*ap01

7412 sequences assigned
7320 (98.8%) exact matches, in which:
7228 unique CDR3
13 unique J



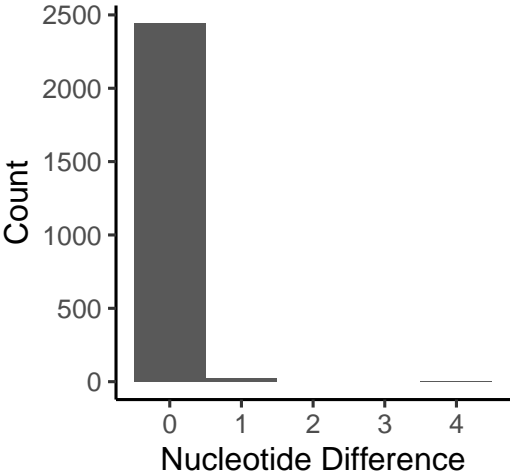
TRBV7-2*ap01

9733 sequences assigned
9682 (99.5%) exact matches, in which:
9629 unique CDR3
13 unique J



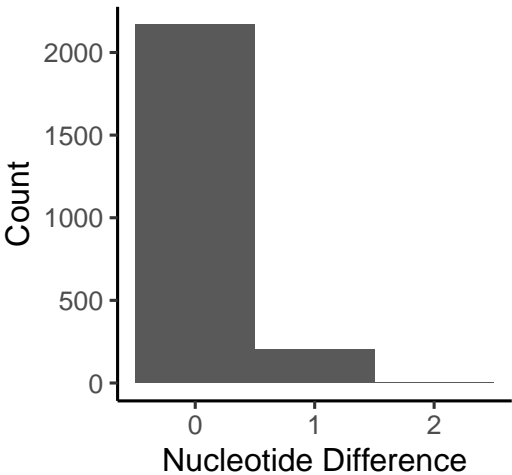
TRBV7-6*ap01

2464 sequences assigned
2442 (99.1%) exact matches, in which:
2426 unique CDR3
13 unique J



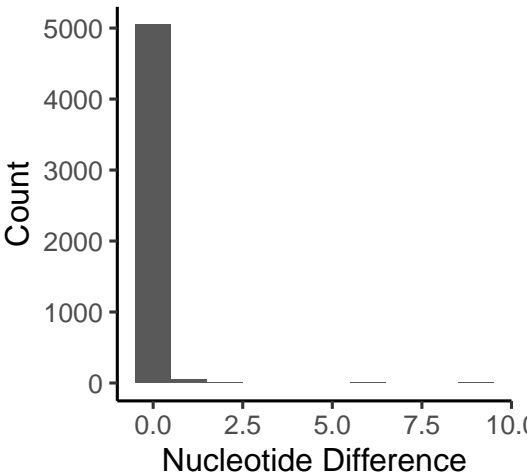
TRBV6-56*ap02

2372 sequences assigned
2168 (91.4%) exact matches, in which:
2138 unique CDR3
13 unique J



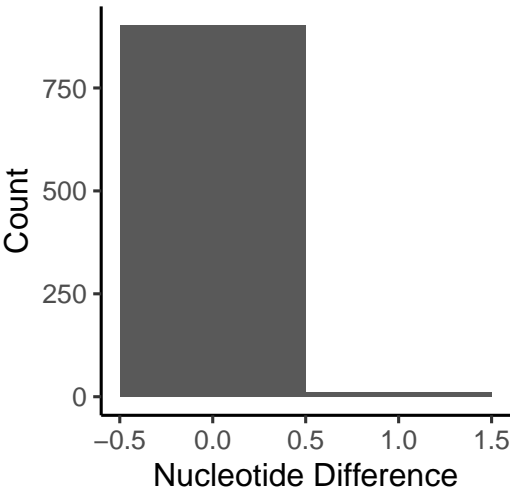
TRBV7-3*ap01

5103 sequences assigned
5047 (98.9%) exact matches, in which:
5028 unique CDR3
13 unique J



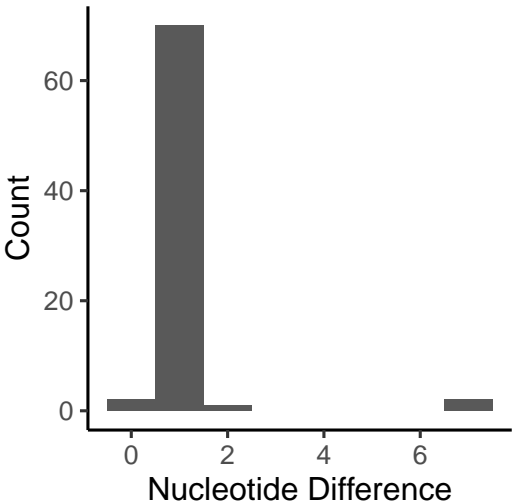
TRBV7-7*ap01

913 sequences assigned
903 (98.9%) exact matches, in which:
892 unique CDR3
13 unique J



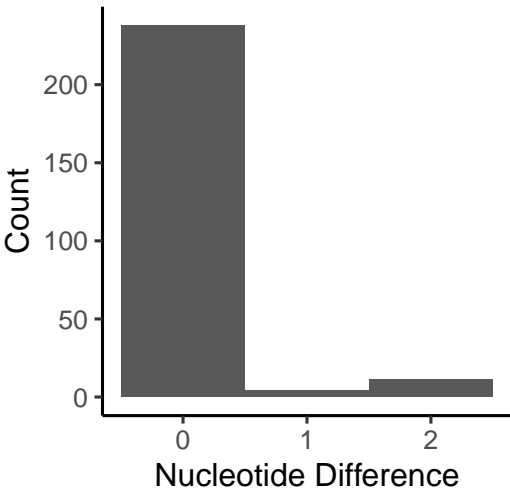
TRBV7-1*ap01_T296C

75 sequences assigned
2 (2.7%) exact matches, in which:
2 unique CDR3
2 unique J



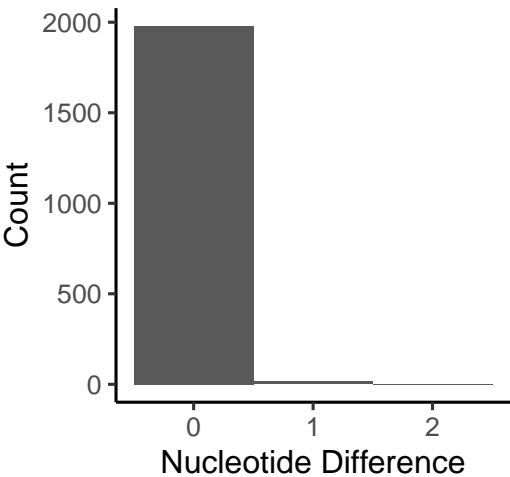
TRBV7-4*ap01

253 sequences assigned
238 (94.1%) exact matches, in which:
236 unique CDR3
13 unique J



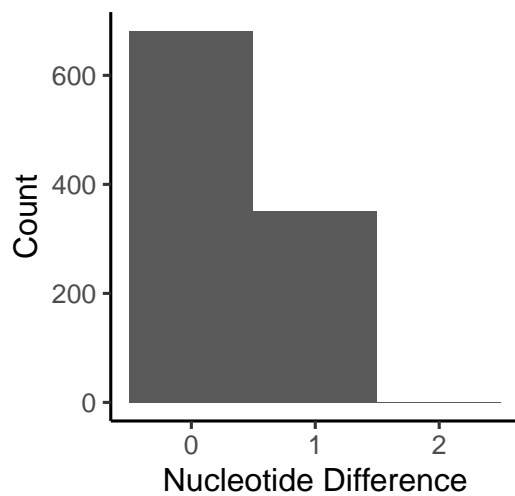
TRBV7-8*ap01

1996 sequences assigned
1979 (99.1%) exact matches, in which:
1967 unique CDR3
13 unique J



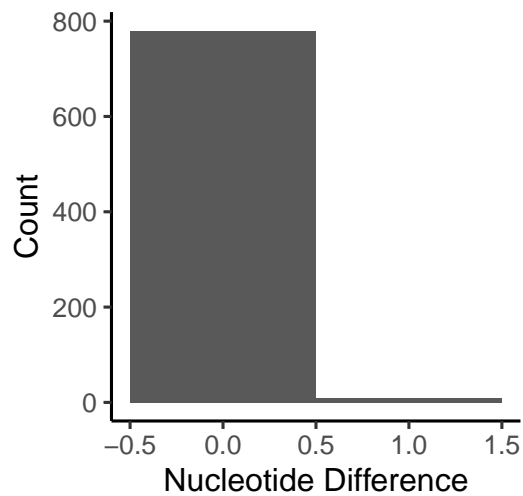
TRBV7–8*ap03

1034 sequences assigned
682 (66%) exact matches, in which:
677 unique CDR3
13 unique J



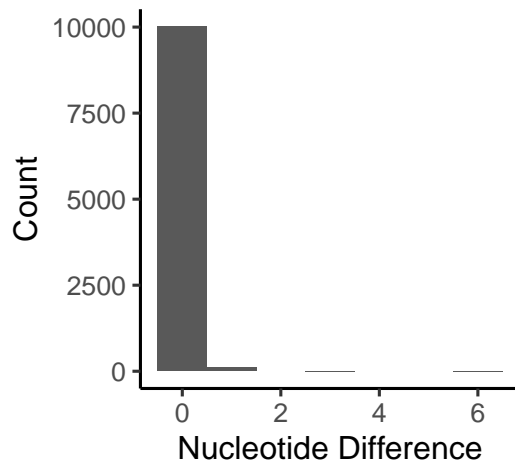
TRBV29–1*ap02

790 sequences assigned
780 (98.7%) exact matches, in which:
763 unique CDR3
13 unique J



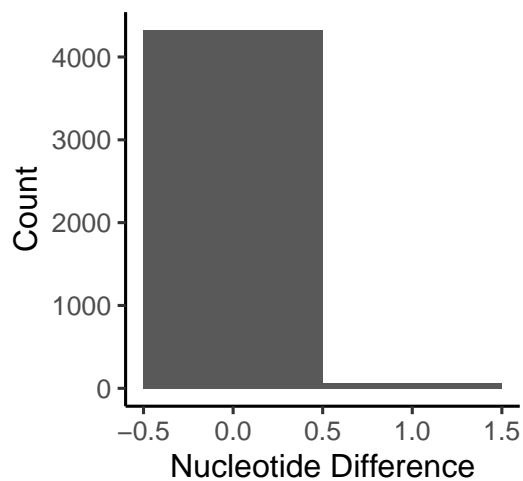
TRBV7–9*ap01

10126 sequences assigned
10018 (98.9%) exact matches, in which:
9934 unique CDR3
13 unique J



TRBV29–1*ap01

4386 sequences assigned
4325 (98.6%) exact matches, in which:
4250 unique CDR3
13 unique J



TRBV7-1*ap01_T296C

