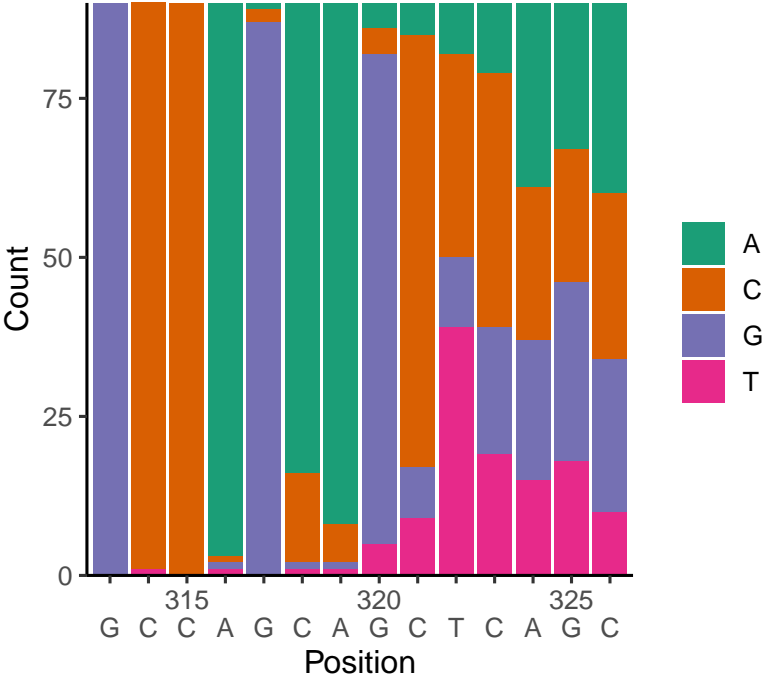
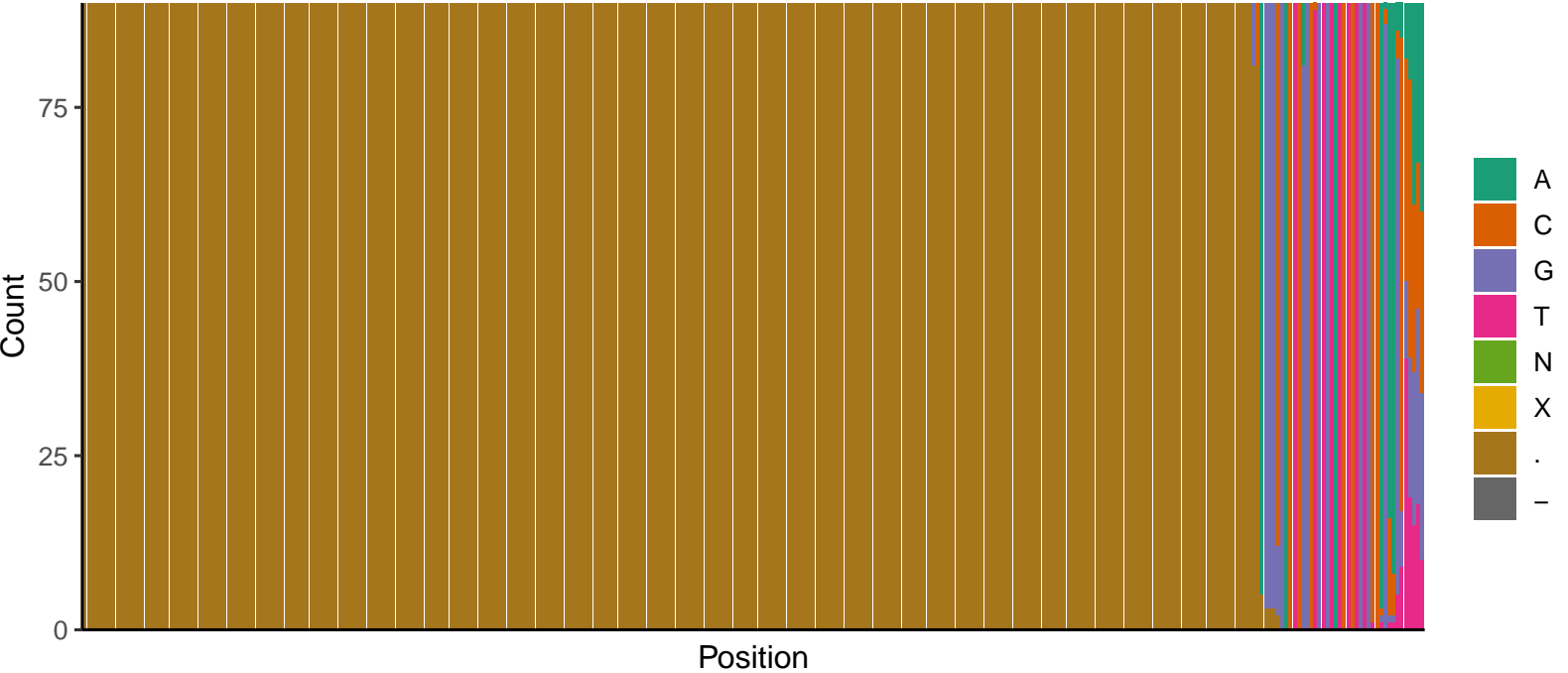


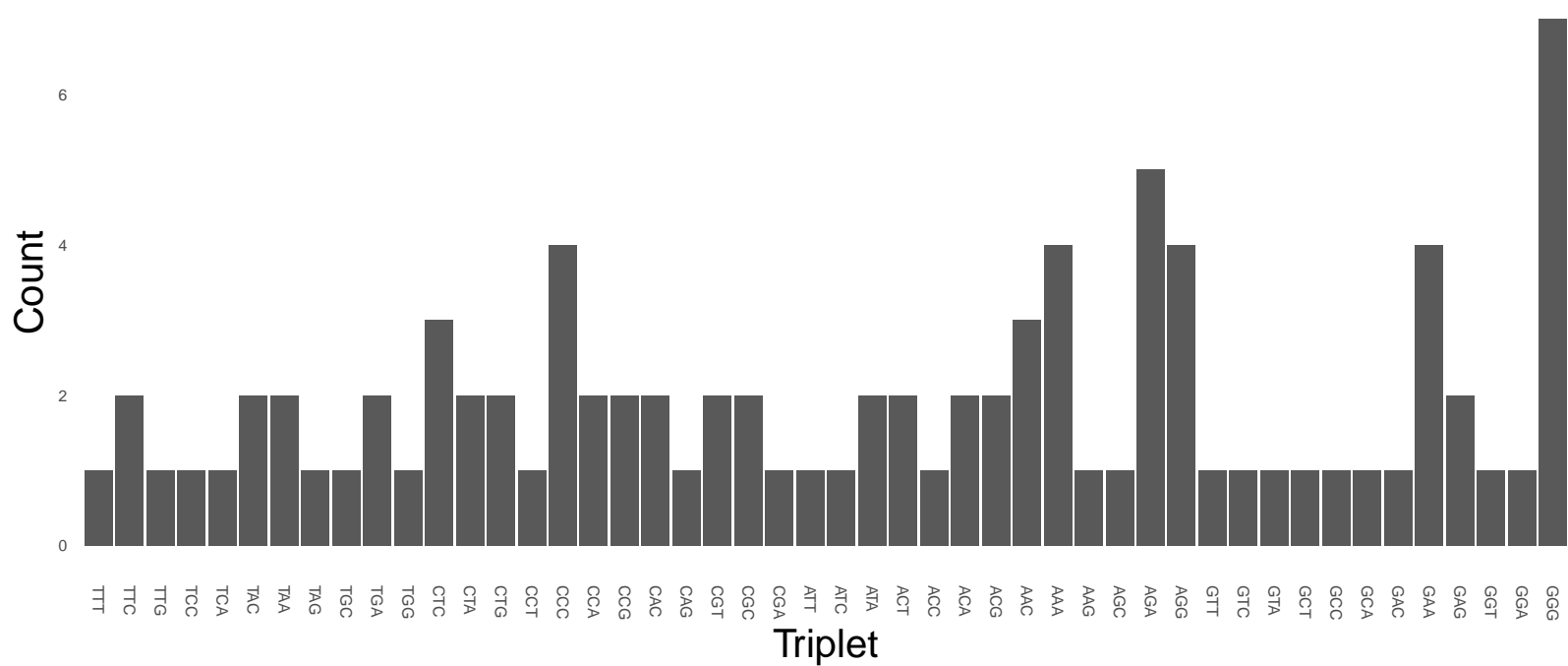
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

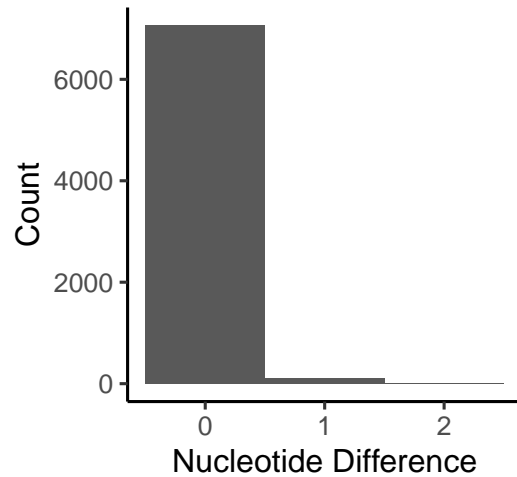


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



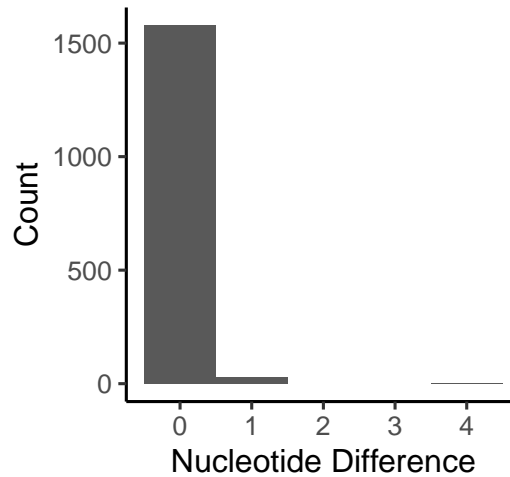
TRBV20-1*ap01

7164 sequences assigned
7063 (98.6%) exact matches, in which:
6935 unique CDR3
13 unique J



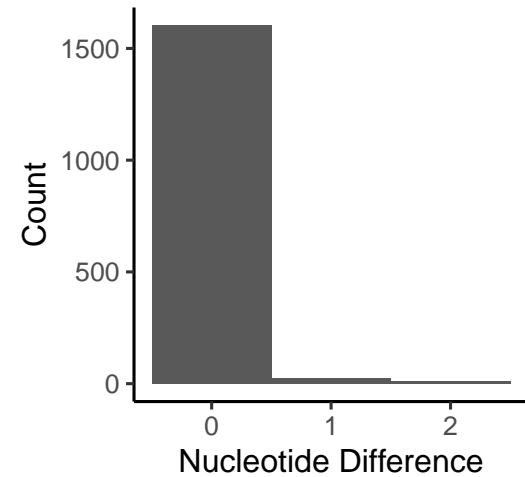
TRBV10-2*ap01

1608 sequences assigned
1578 (98.1%) exact matches, in which:
1549 unique CDR3
13 unique J



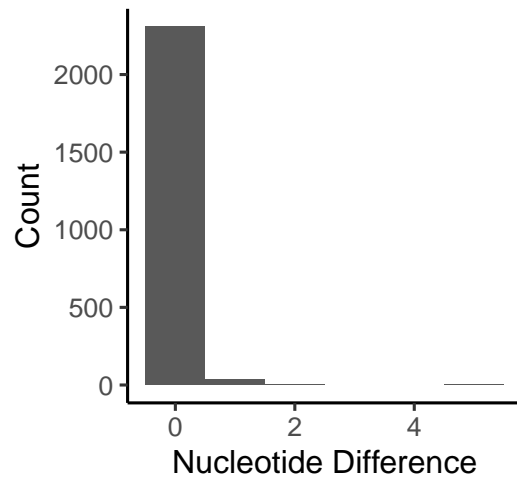
TRBV13*ap01

1639 sequences assigned
1603 (97.8%) exact matches, in which:
1546 unique CDR3
13 unique J



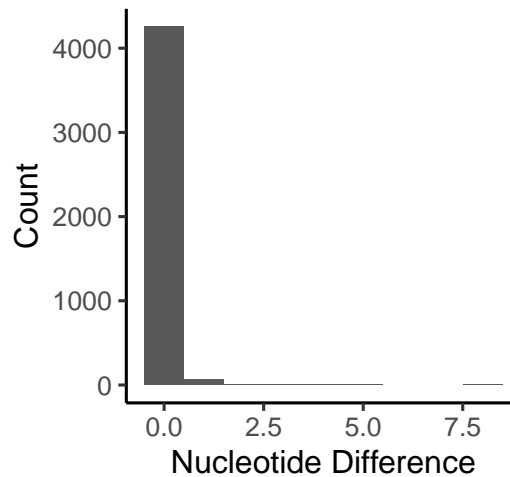
TRBV10-1*ap01

2345 sequences assigned
2308 (98.4%) exact matches, in which:
2268 unique CDR3
13 unique J



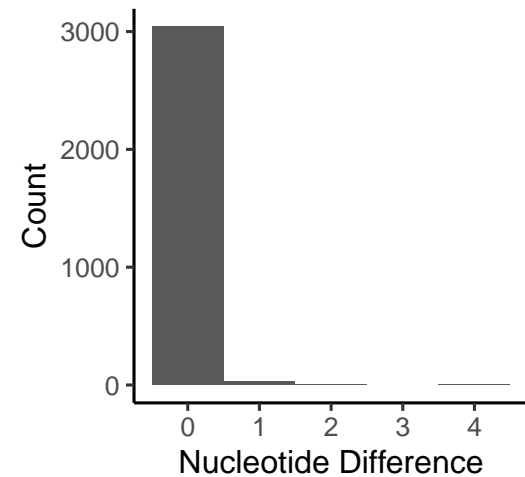
TRBV10-3*ap01

4330 sequences assigned
4255 (98.3%) exact matches, in which:
4157 unique CDR3
13 unique J



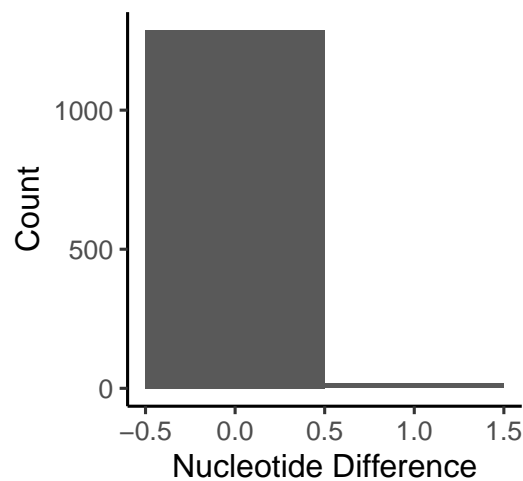
TRBV14*ap01

3074 sequences assigned
3041 (98.9%) exact matches, in which:
2993 unique CDR3
13 unique J



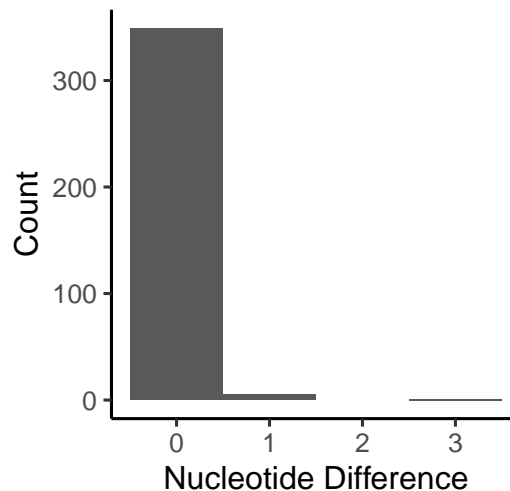
TRBV20-1*ap02

1305 sequences assigned
1288 (98.7%) exact matches, in which:
1264 unique CDR3
13 unique J



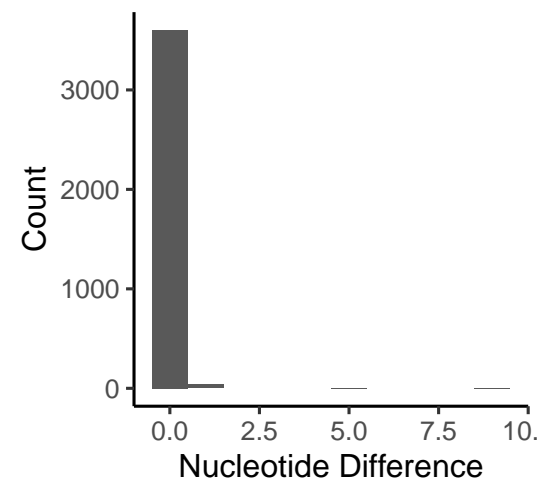
TRBV1*ap01

355 sequences assigned
349 (98.3%) exact matches, in which:
334 unique CDR3
13 unique J



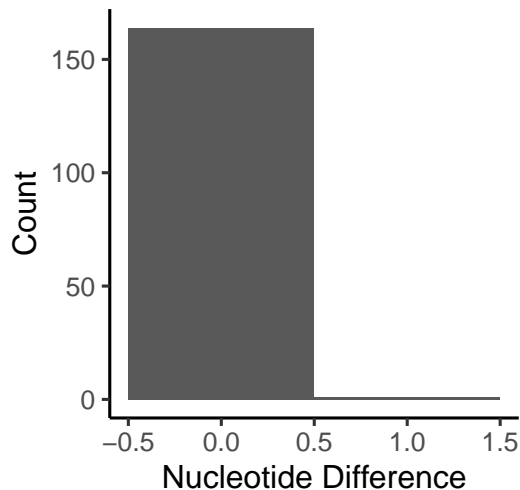
TRBV15*ap02

3643 sequences assigned
3602 (98.9%) exact matches, in which:
3503 unique CDR3
13 unique J



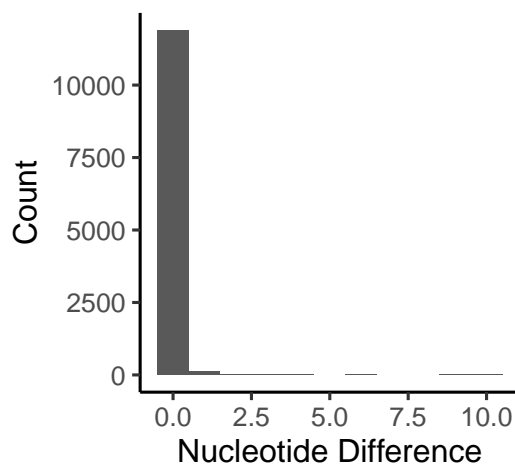
TRBV16*ap01

165 sequences assigned
164 (99.4%) exact matches, in which:
162 unique CDR3
13 unique J



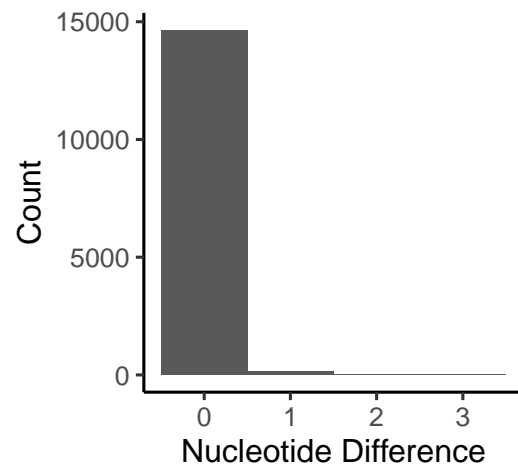
TRBV19*ap01

12042 sequences assigned
11895 (98.8%) exact matches, in which:
11740 unique CDR3
13 unique J



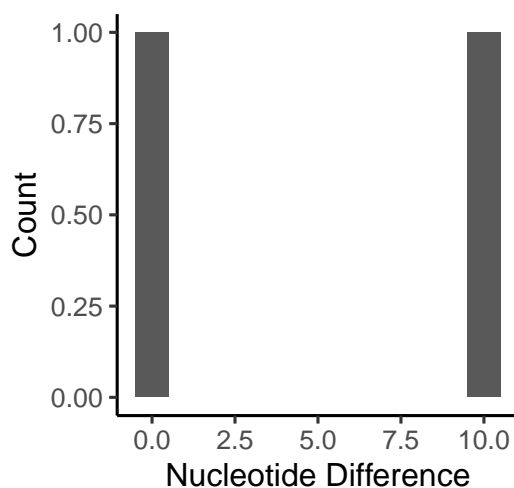
TRBV28*ap01

14805 sequences assigned
14642 (98.9%) exact matches, in which:
14419 unique CDR3
13 unique J



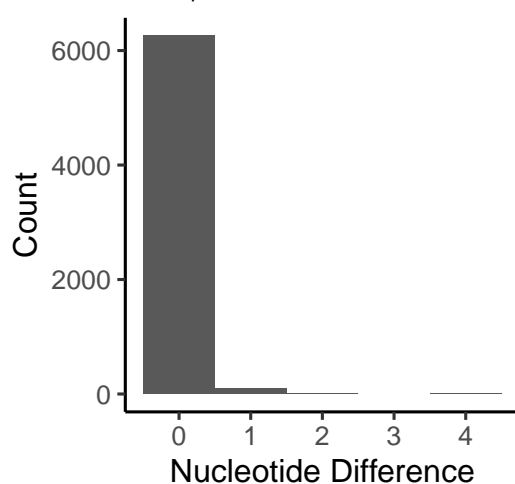
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



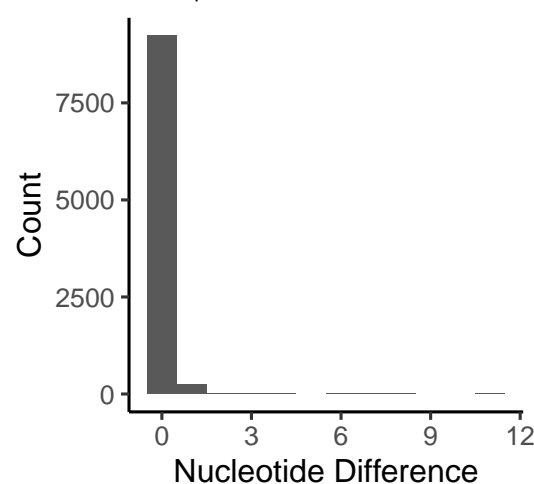
TRBV2*ap01

6351 sequences assigned
6259 (98.6%) exact matches, in which:
6145 unique CDR3
13 unique J



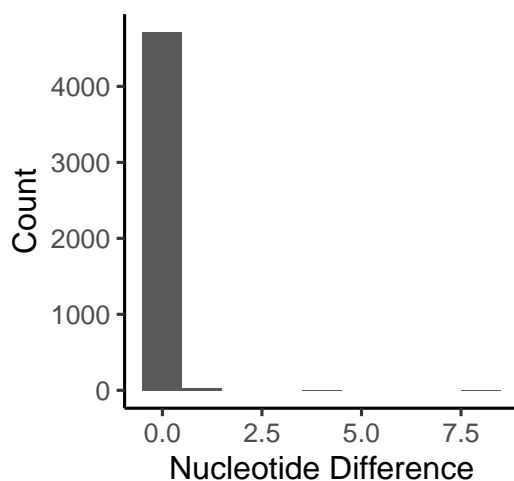
TRBV30*ap01

9502 sequences assigned
9230 (97.1%) exact matches, in which:
8906 unique CDR3
13 unique J



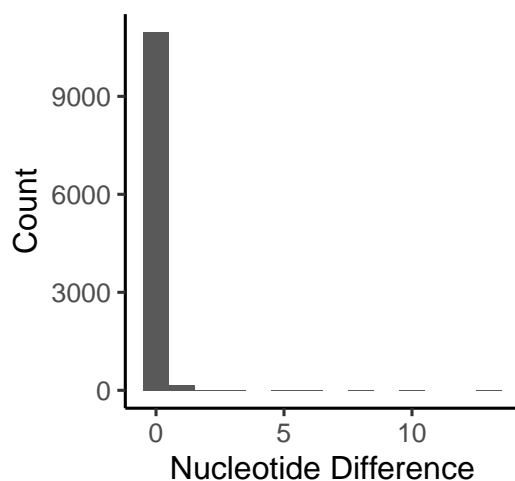
TRBV18*ap01

4749 sequences assigned
4715 (99.3%) exact matches, in which:
4661 unique CDR3
13 unique J



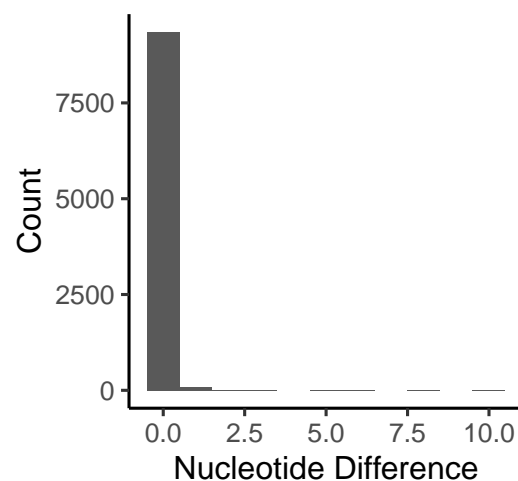
TRBV27*ap01

11145 sequences assigned
10968 (98.4%) exact matches, in which:
10737 unique CDR3
13 unique J



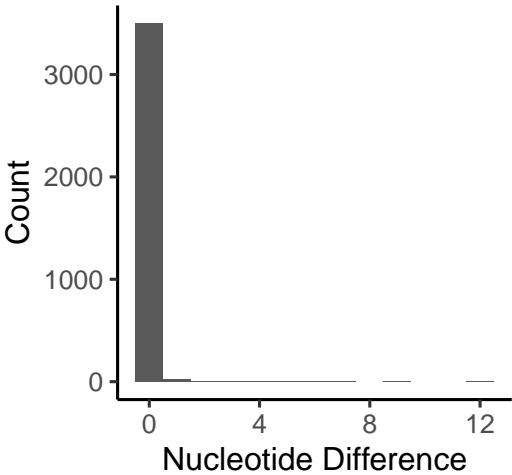
TRBV9*ap01

9454 sequences assigned
9349 (98.9%) exact matches, in which:
9211 unique CDR3
14 unique J



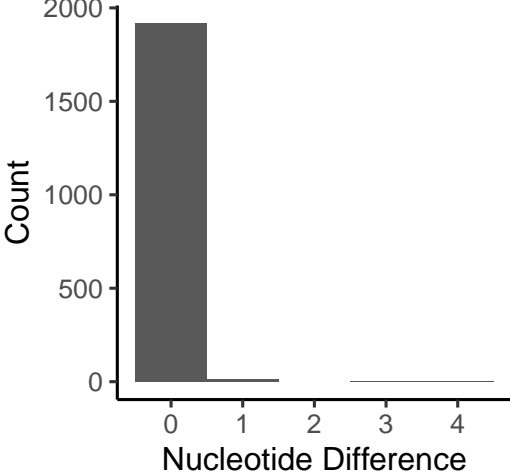
TRBV21-1*ap01

3541 sequences assigned
3499 (98.8%) exact matches, in which:
3473 unique CDR3
13 unique J



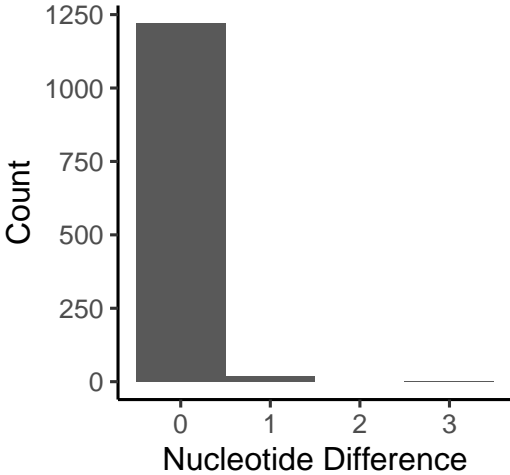
TRBV11-3*ap01

1936 sequences assigned
1917 (99%) exact matches, in which:
1907 unique CDR3
13 unique J



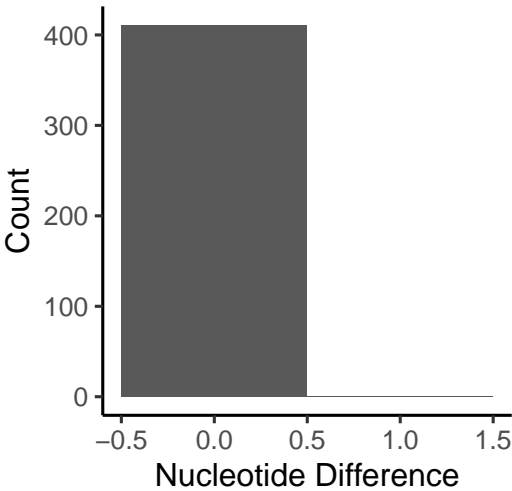
TRBV12-5*ap01

1242 sequences assigned
1220 (98.2%) exact matches, in which:
1199 unique CDR3
13 unique J



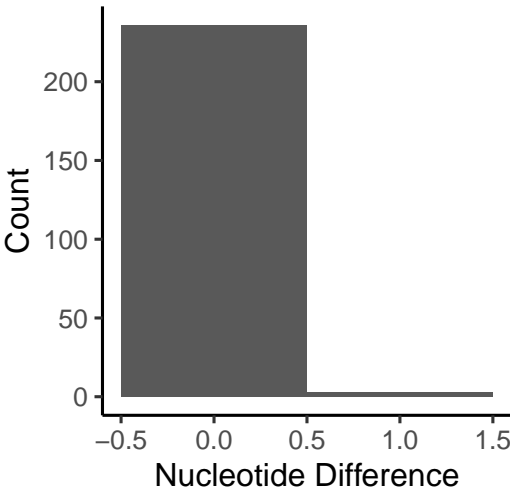
TRBV11-1*ap01

412 sequences assigned
411 (99.8%) exact matches, in which:
409 unique CDR3
13 unique J



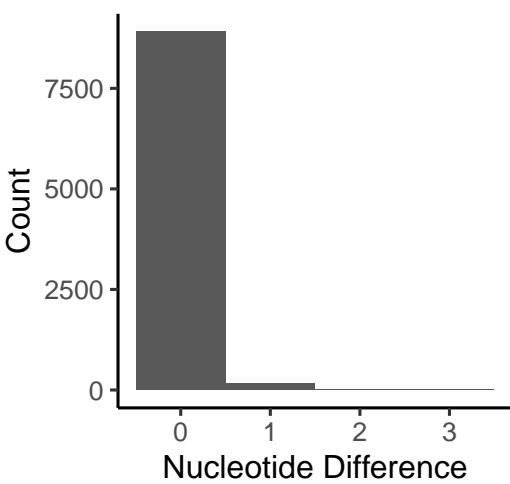
TRBV12-1*ap01

239 sequences assigned
236 (98.7%) exact matches, in which:
233 unique CDR3
13 unique J



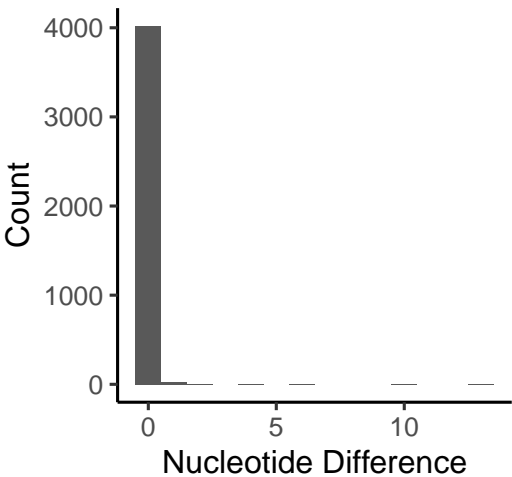
TRBV12-34*ap01

9067 sequences assigned
8908 (98.2%) exact matches, in which:
8728 unique CDR3
13 unique J



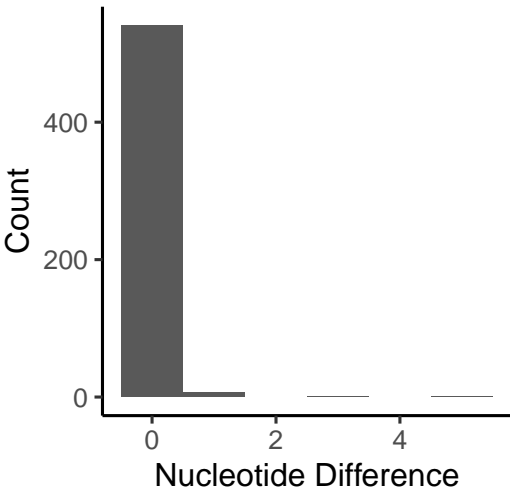
TRBV11-2*ap01

4050 sequences assigned
4019 (99.2%) exact matches, in which:
3983 unique CDR3
13 unique J



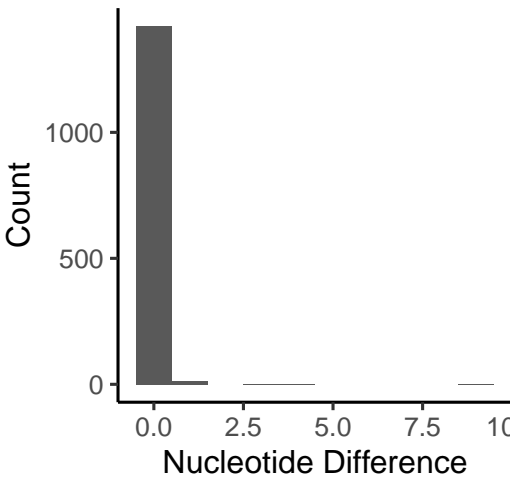
TRBV12-2*ap01

550 sequences assigned
541 (98.4%) exact matches, in which:
534 unique CDR3
13 unique J



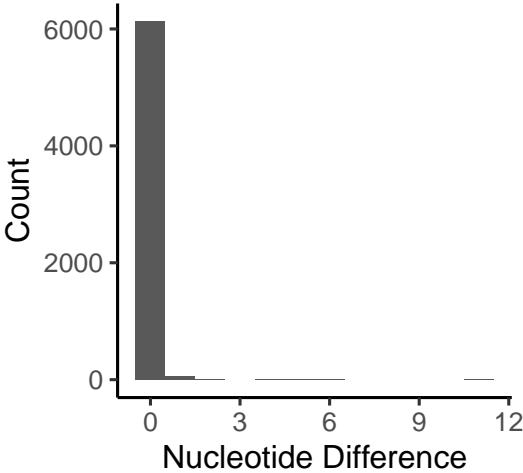
TRBV23-1*ap01

1438 sequences assigned
1422 (98.9%) exact matches, in which:
1398 unique CDR3
13 unique J



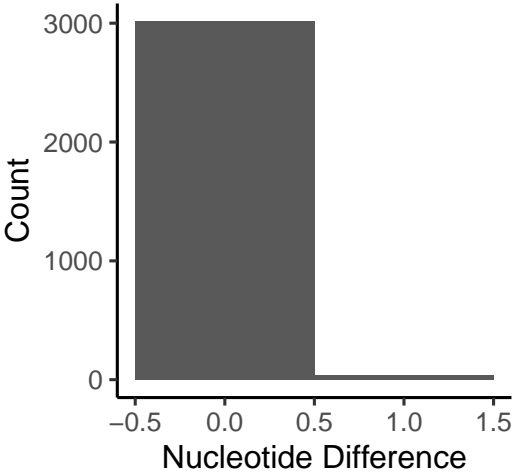
TRBV3-12*ap01

6203 sequences assigned
6129 (98.8%) exact matches, in which:
6051 unique CDR3
13 unique J



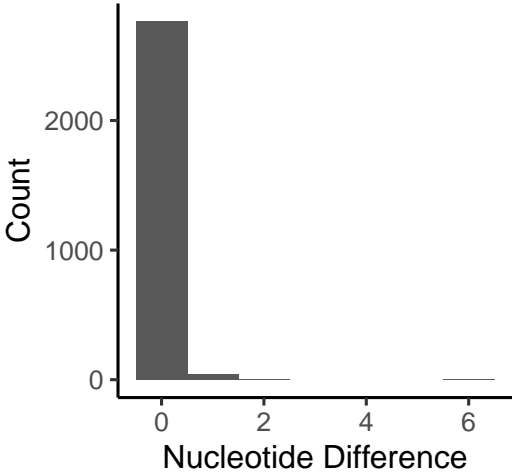
TRBV4-2*ap01

3056 sequences assigned
3015 (98.7%) exact matches, in which:
2929 unique CDR3
13 unique J



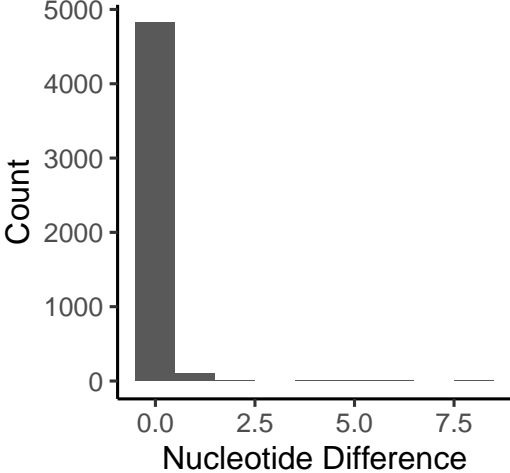
TRBV25-1*ap01

2808 sequences assigned
2765 (98.5%) exact matches, in which:
2678 unique CDR3
13 unique J



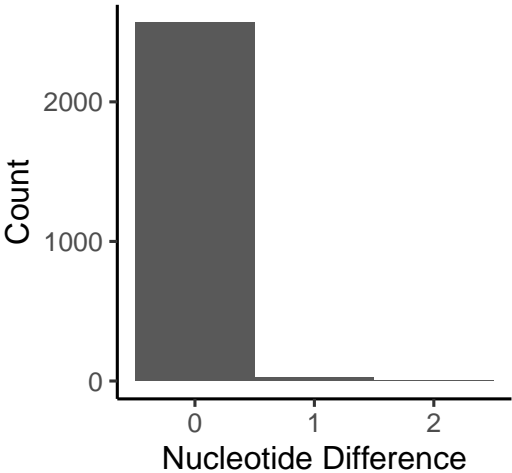
TRBV24-1*ap01

4925 sequences assigned
4821 (97.9%) exact matches, in which:
4717 unique CDR3
13 unique J



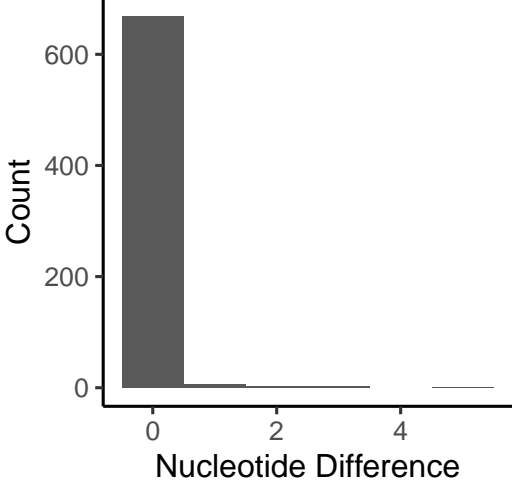
TRBV4-3*ap01

2592 sequences assigned
2567 (99%) exact matches, in which:
2492 unique CDR3
13 unique J



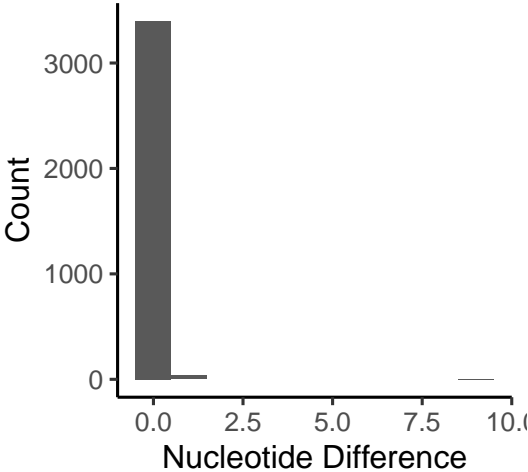
TRBV5-3*ap01

681 sequences assigned
669 (98.2%) exact matches, in which:
652 unique CDR3
13 unique J



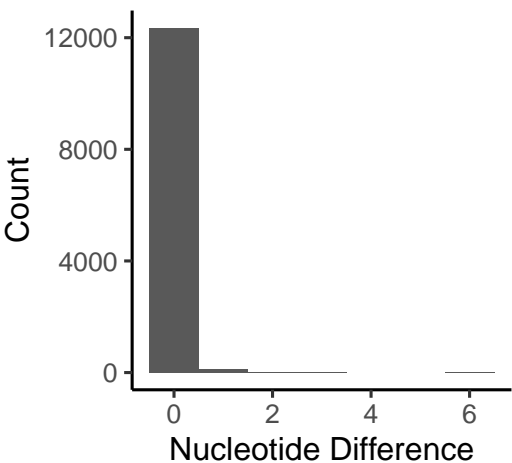
TRBV4-1*ap01

3435 sequences assigned
3398 (98.9%) exact matches, in which:
3305 unique CDR3
13 unique J



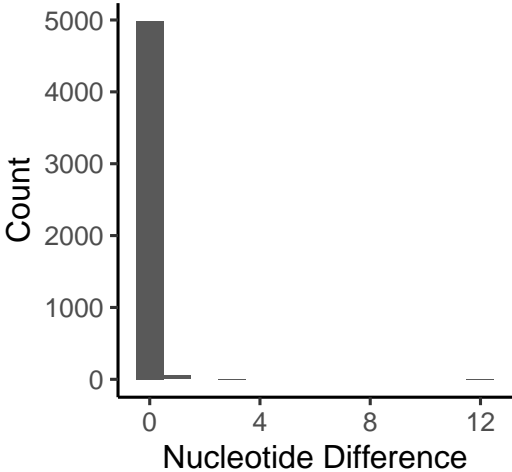
TRBV5-1*ap01

12491 sequences assigned
12355 (98.9%) exact matches, in which:
11980 unique CDR3
13 unique J



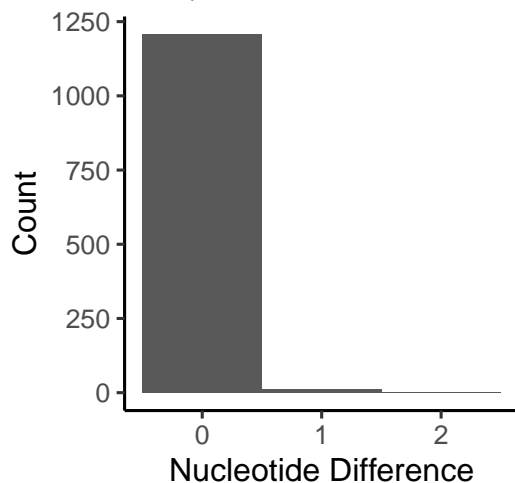
TRBV5-4*ap01

5039 sequences assigned
4985 (98.9%) exact matches, in which:
4833 unique CDR3
13 unique J



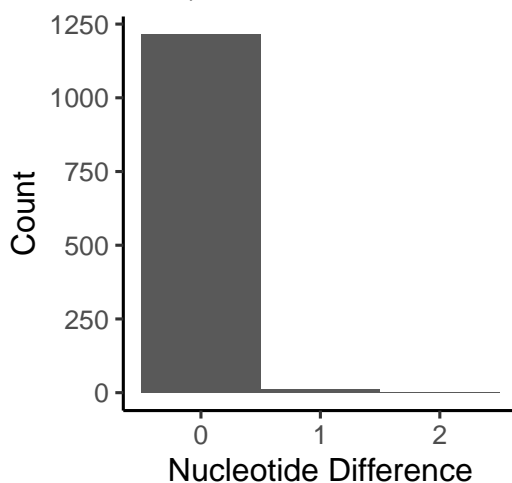
TRBV5-5*ap01

1219 sequences assigned
1207 (99%) exact matches, in which:
1199 unique CDR3
13 unique J



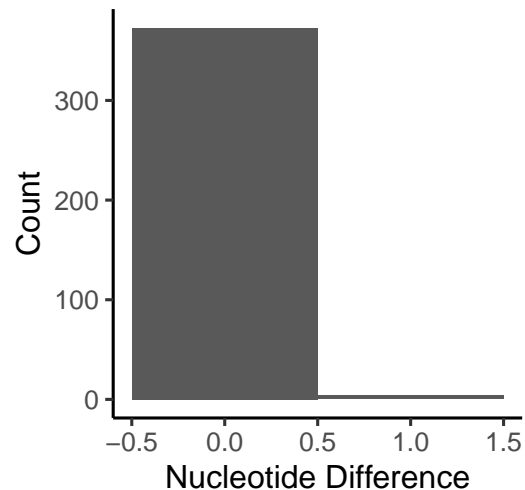
TRBV5-8*ap01

1227 sequences assigned
1215 (99%) exact matches, in which:
1195 unique CDR3
13 unique J



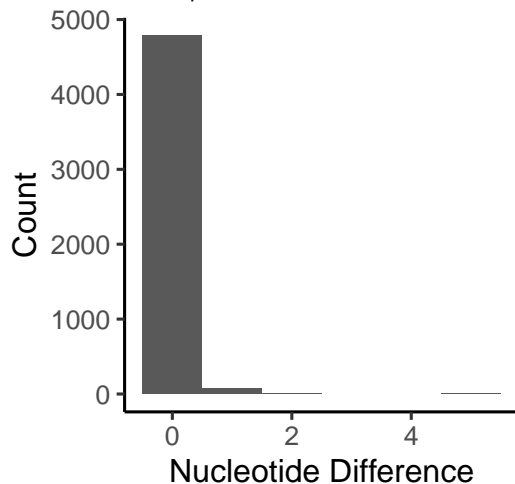
TRBV6-7*ap01

377 sequences assigned
373 (98.9%) exact matches, in which:
364 unique CDR3
13 unique J



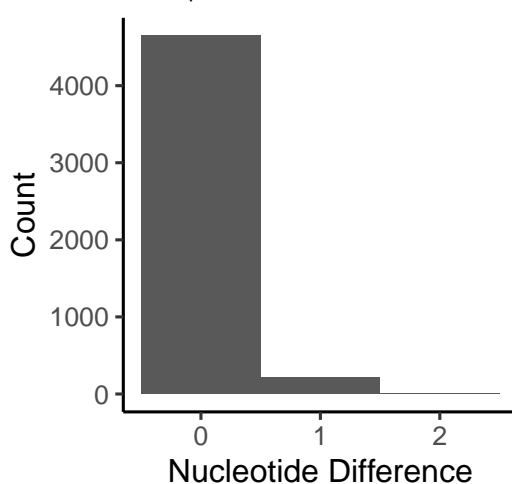
TRBV5-6*ap01

4863 sequences assigned
4784 (98.4%) exact matches, in which:
4612 unique CDR3
13 unique J



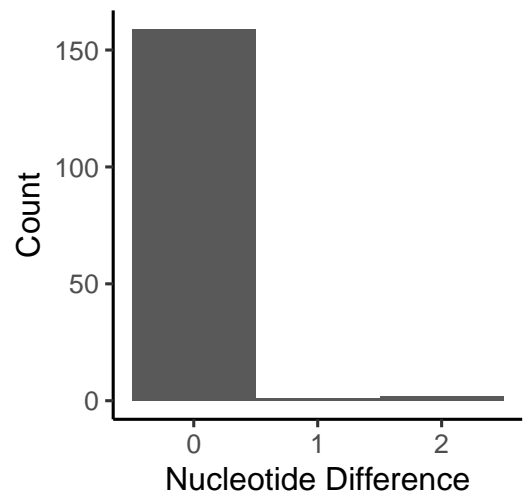
TRBV6-1*ap01

4858 sequences assigned
4648 (95.7%) exact matches, in which:
4514 unique CDR3
13 unique J



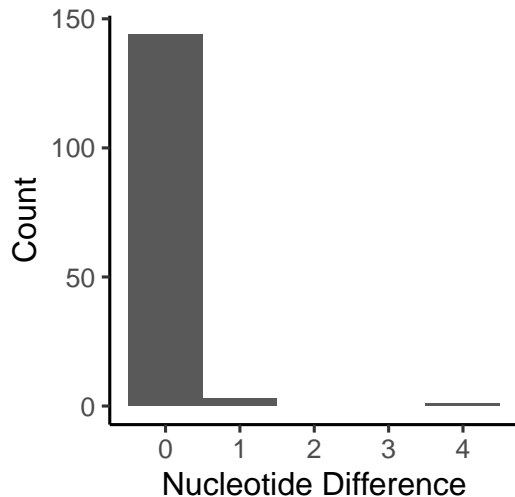
TRBV6-8*ap01

162 sequences assigned
159 (98.1%) exact matches, in which:
157 unique CDR3
13 unique J



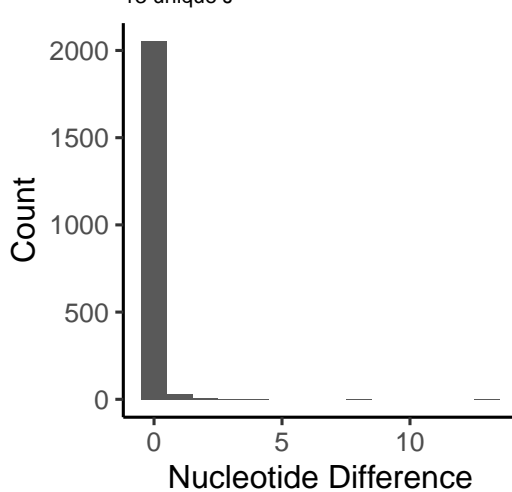
TRBV5-7*ap01

148 sequences assigned
144 (97.3%) exact matches, in which:
140 unique CDR3
13 unique J



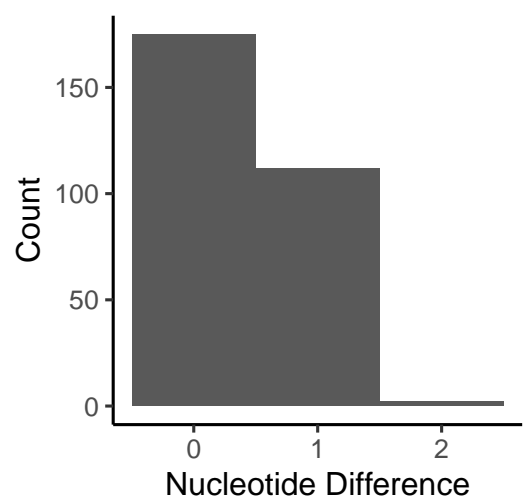
TRBV6-4*ap01

2096 sequences assigned
2054 (98%) exact matches, in which:
2024 unique CDR3
13 unique J



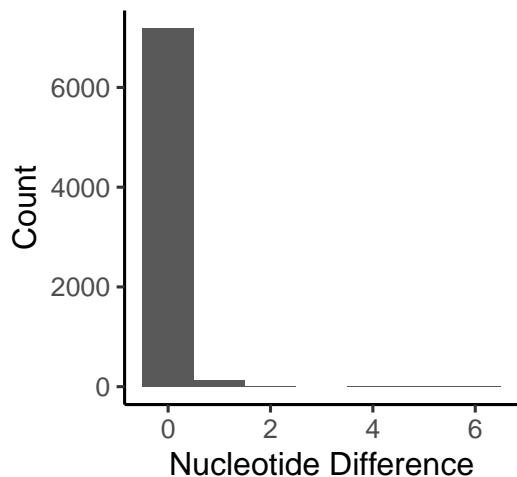
TRBV6-9*ap01

289 sequences assigned
175 (60.6%) exact matches, in which:
165 unique CDR3
13 unique J



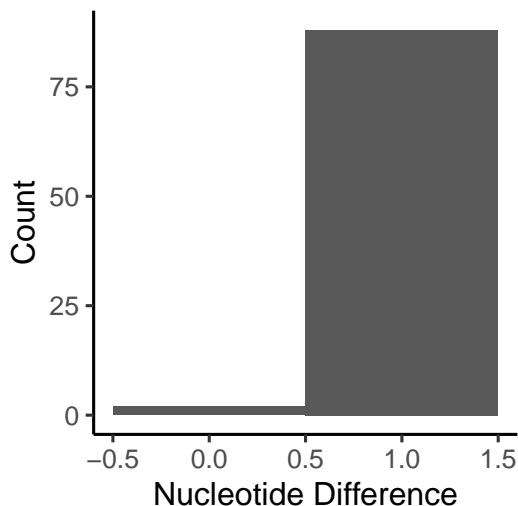
TRBV6-23*ap01

7322 sequences assigned
7184 (98.1%) exact matches, in which:
6923 unique CDR3
13 unique J



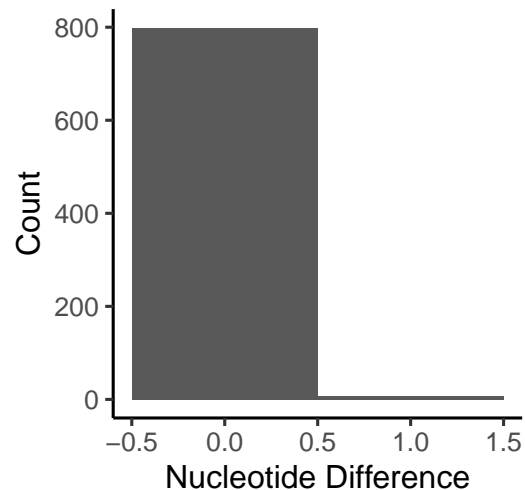
TRBV7-1*ap01_T296C

90 sequences assigned
2 (2.2%) exact matches, in which:
2 unique CDR3
2 unique J



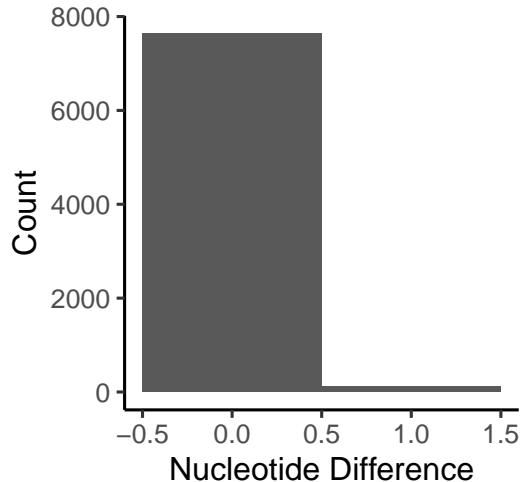
TRBV7-3*ap02

807 sequences assigned
799 (99%) exact matches, in which:
791 unique CDR3
13 unique J



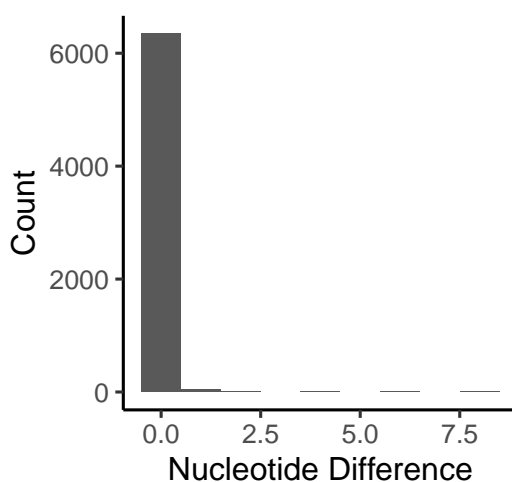
TRBV6-56*ap01

7758 sequences assigned
7634 (98.4%) exact matches, in which:
7382 unique CDR3
13 unique J



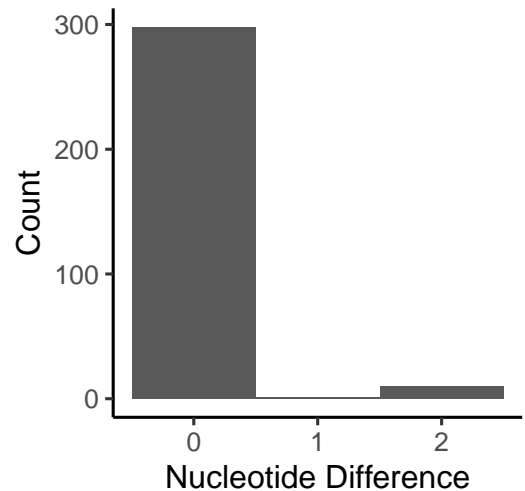
TRBV7-2*ap01

6399 sequences assigned
6345 (99.2%) exact matches, in which:
6222 unique CDR3
13 unique J



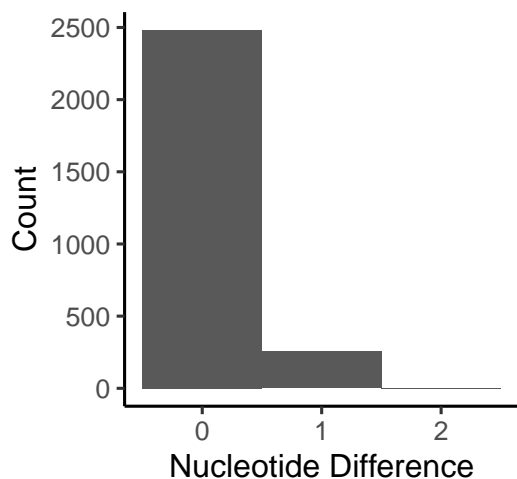
TRBV7-4*ap01

309 sequences assigned
298 (96.4%) exact matches, in which:
296 unique CDR3
13 unique J



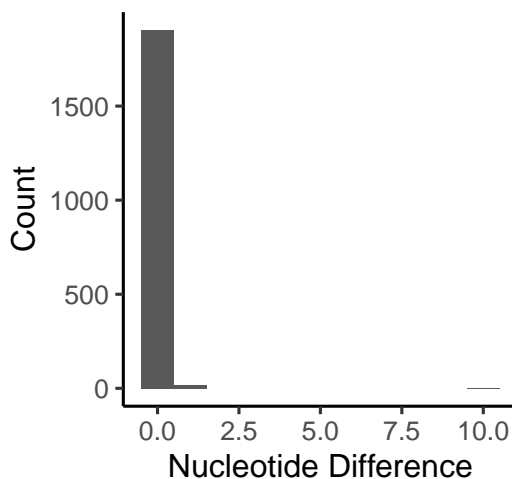
TRBV6-56*ap02

2739 sequences assigned
2482 (90.6%) exact matches, in which:
2405 unique CDR3
13 unique J



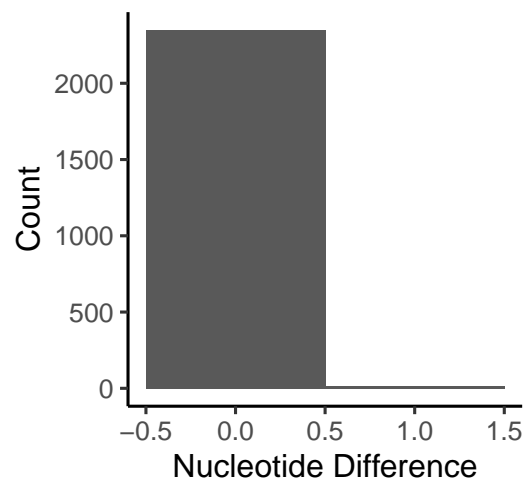
TRBV7-3*ap01

1922 sequences assigned
1904 (99.1%) exact matches, in which:
1882 unique CDR3
13 unique J



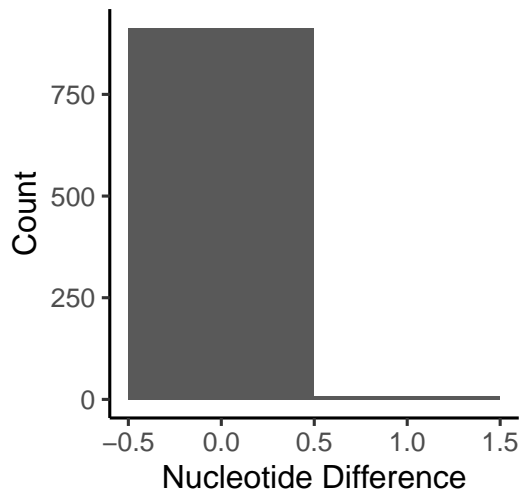
TRBV7-6*ap01

2366 sequences assigned
2349 (99.3%) exact matches, in which:
2299 unique CDR3
13 unique J



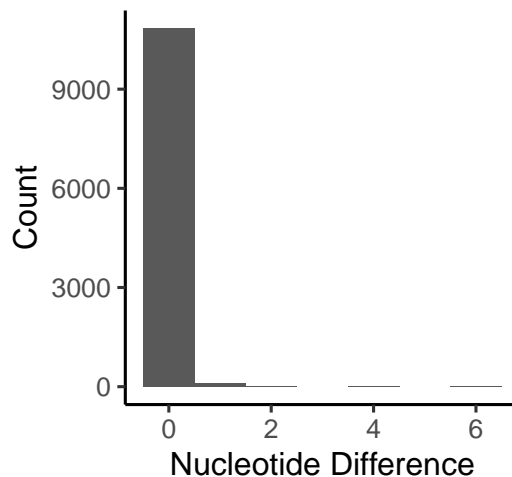
TRBV7-7*ap01

923 sequences assigned
914 (99%) exact matches, in which:
892 unique CDR3
13 unique J



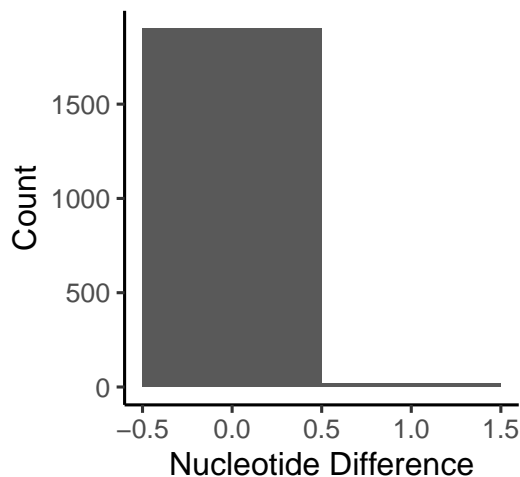
TRBV7-9*ap01

10935 sequences assigned
10838 (99.1%) exact matches, in which:
10639 unique CDR3
13 unique J



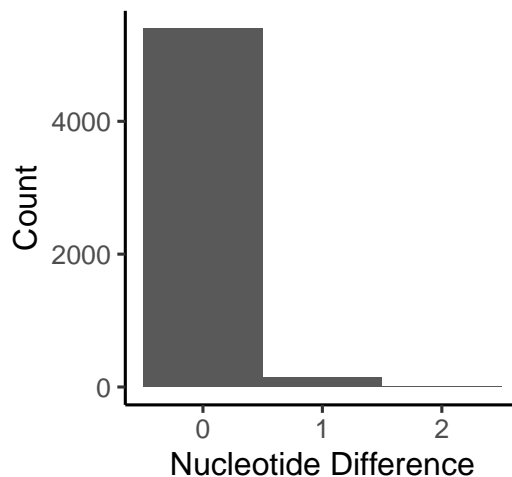
TRBV7-8*ap01

1916 sequences assigned
1900 (99.2%) exact matches, in which:
1866 unique CDR3
13 unique J



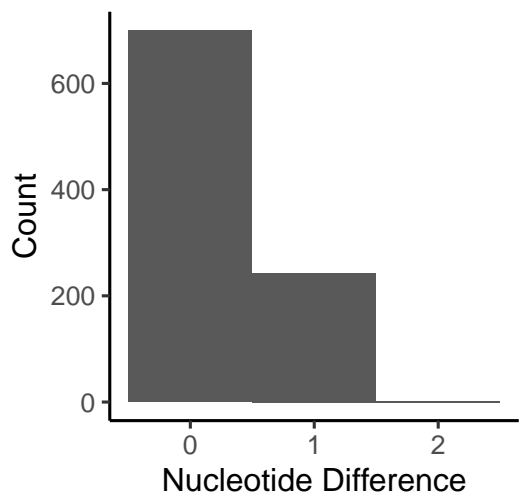
TRBV29-1*ap01

5541 sequences assigned
5394 (97.3%) exact matches, in which:
5170 unique CDR3
13 unique J



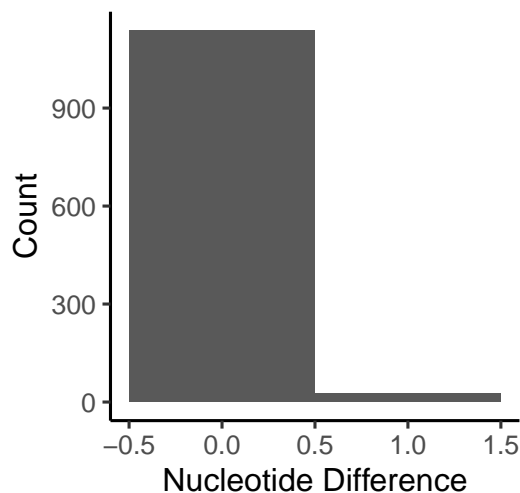
TRBV7-8*ap03

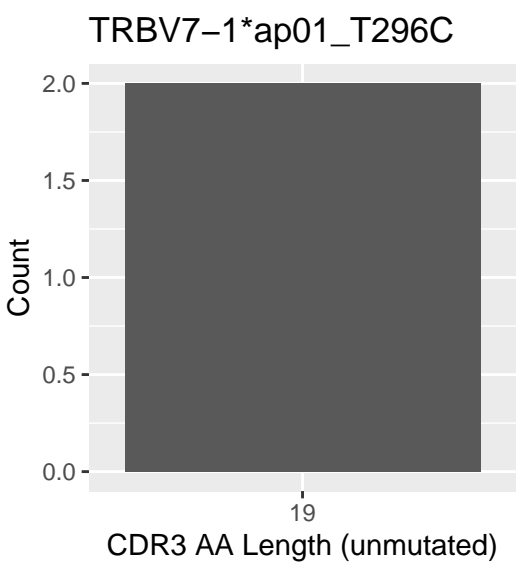
945 sequences assigned
700 (74.1%) exact matches, in which:
685 unique CDR3
13 unique J



TRBV29-1*ap02

1163 sequences assigned
1138 (97.9%) exact matches, in which:
1088 unique CDR3
13 unique J







[illegible]