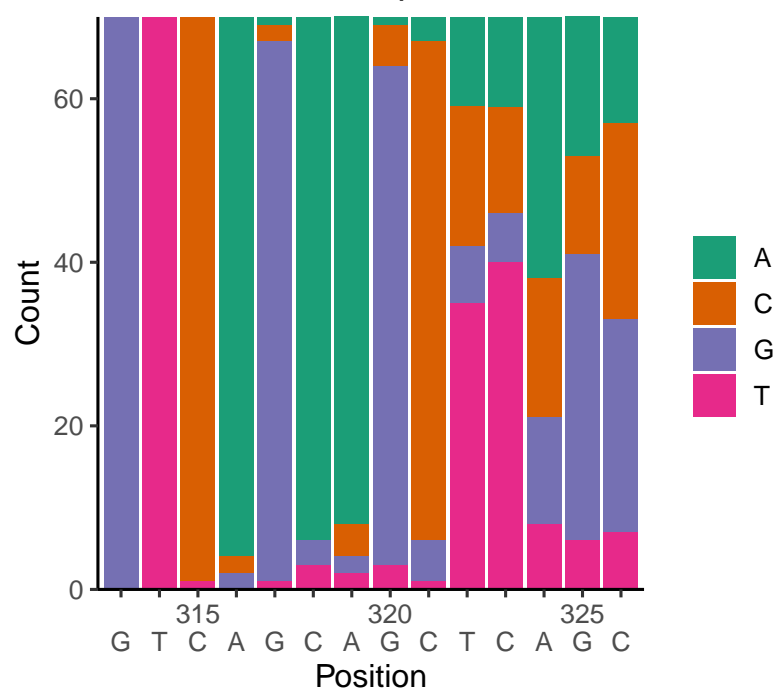
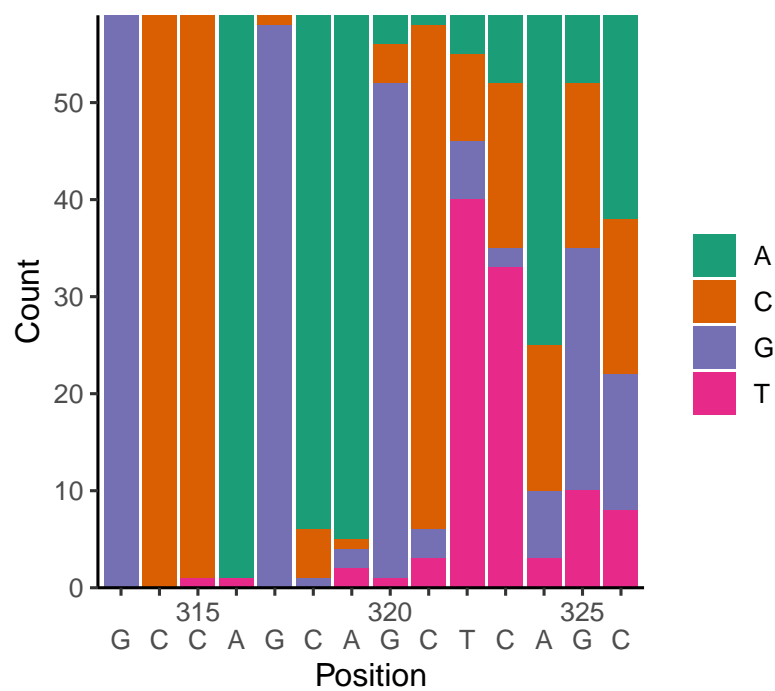


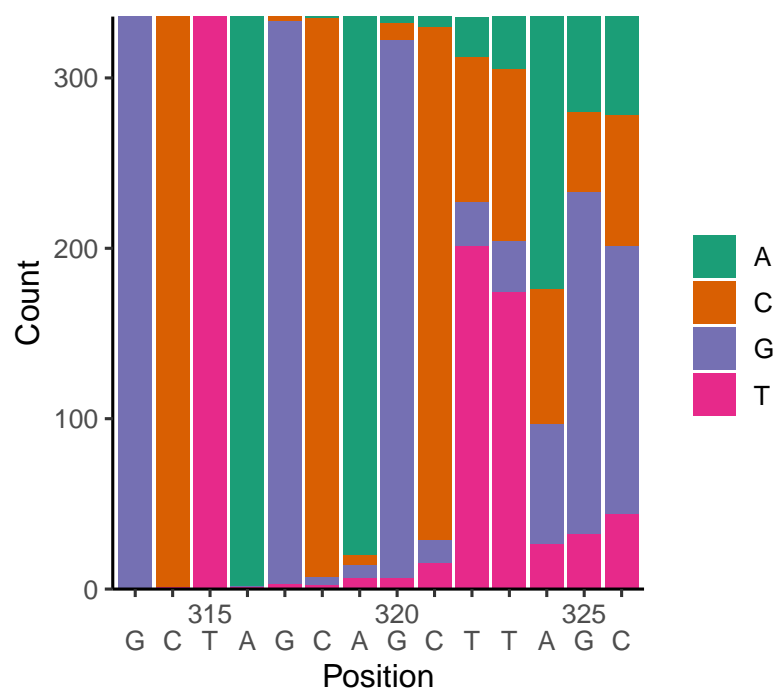
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



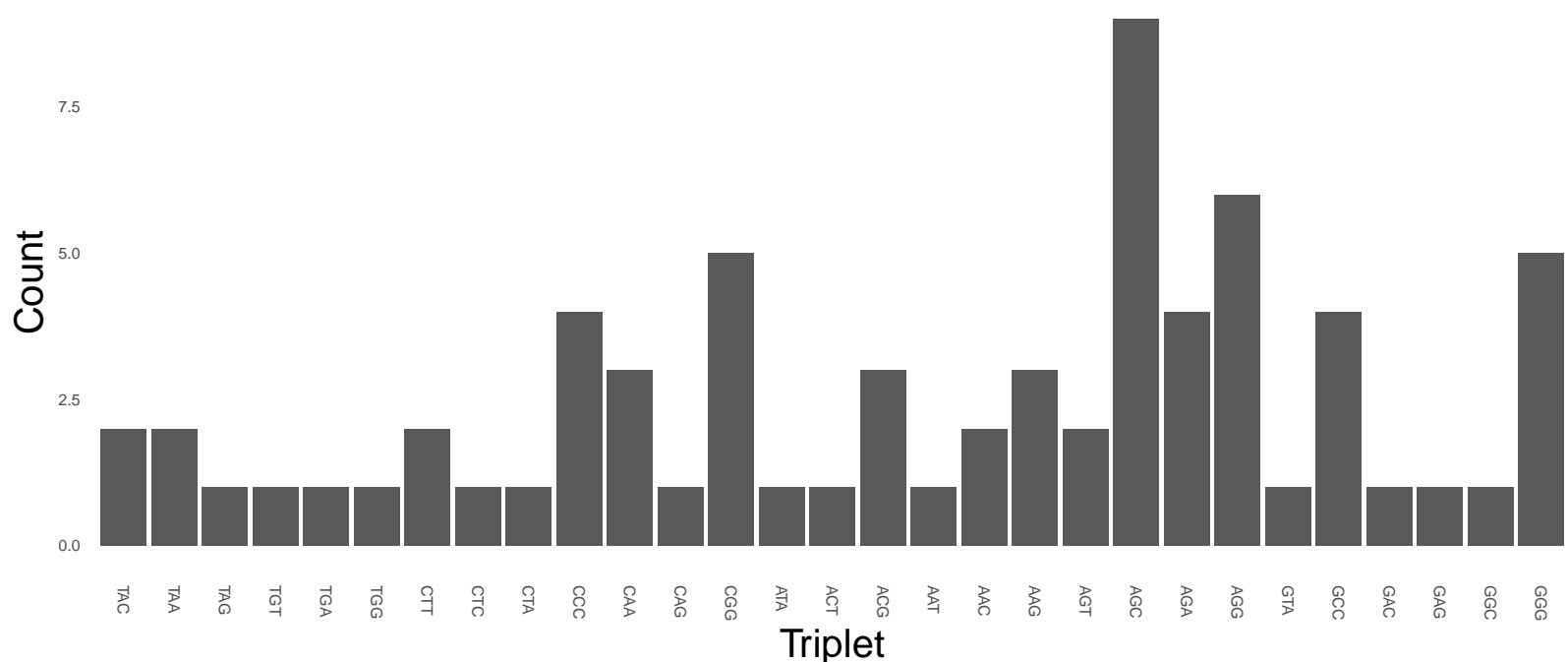
Gene TRBV7-1*ap01_G291C_T296C



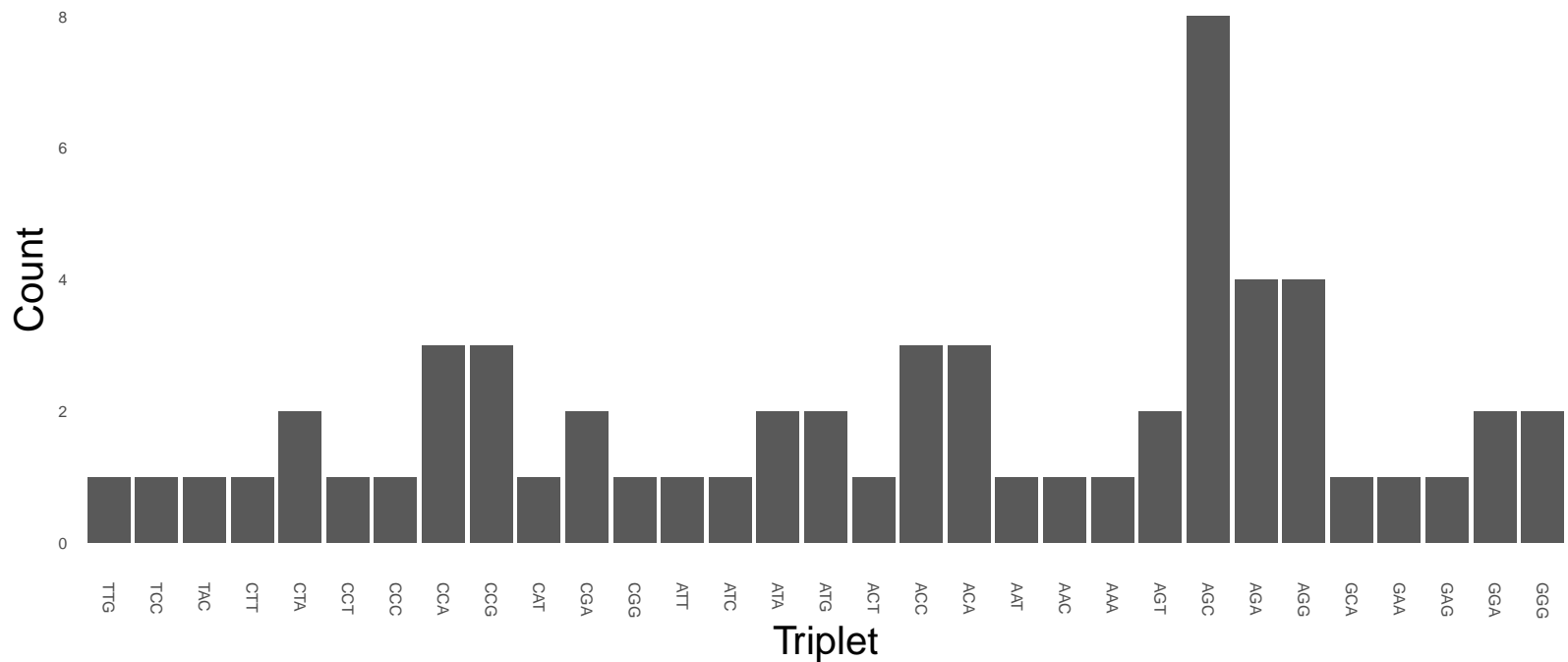
Gene TRBV7-7*ap01_C315T



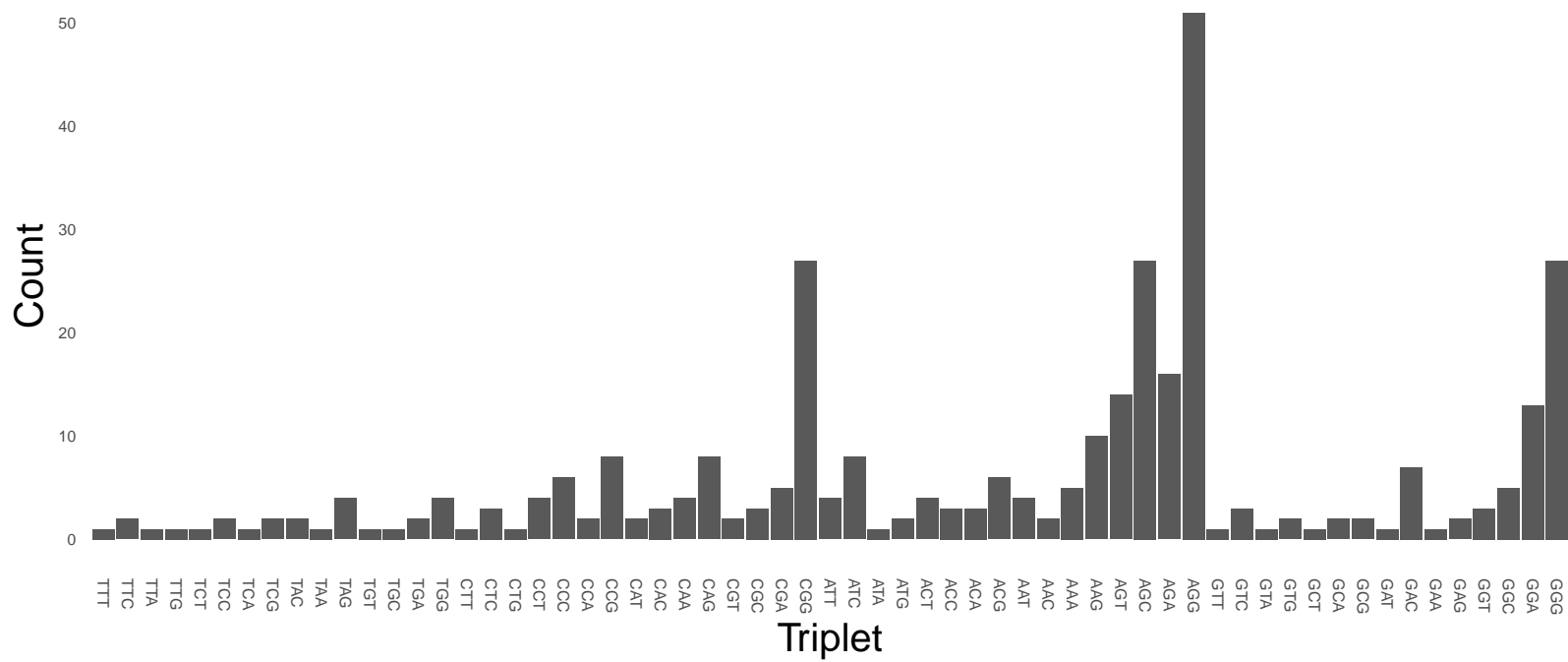
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

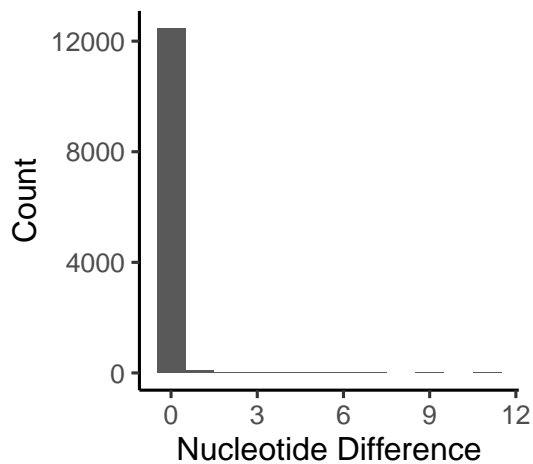


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



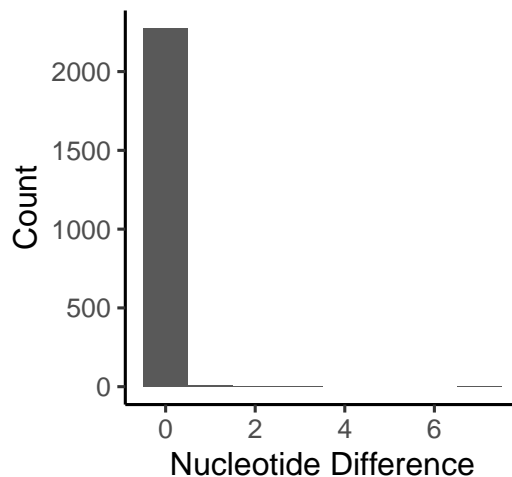
TRBV20–1*ap01

12563 sequences assigned
12470 (99.3%) exact matches, in which:
12436 unique CDR3
13 unique J



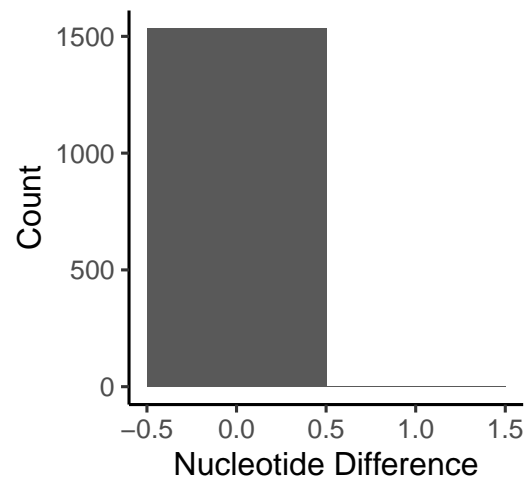
TRBV10–3*ap01

2285 sequences assigned
2274 (99.5%) exact matches, in which:
2270 unique CDR3
13 unique J



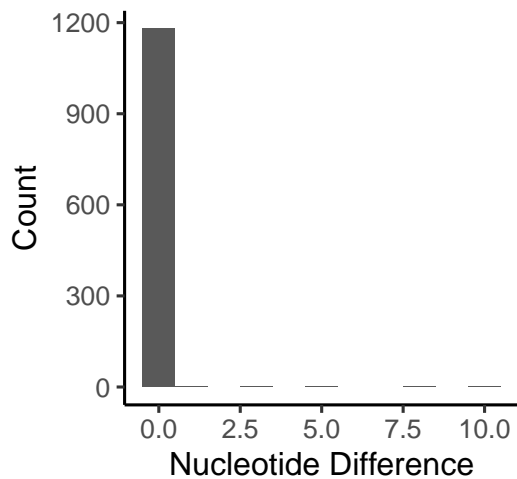
TRBV14*ap01

1536 sequences assigned
1534 (99.9%) exact matches, in which:
1530 unique CDR3
13 unique J



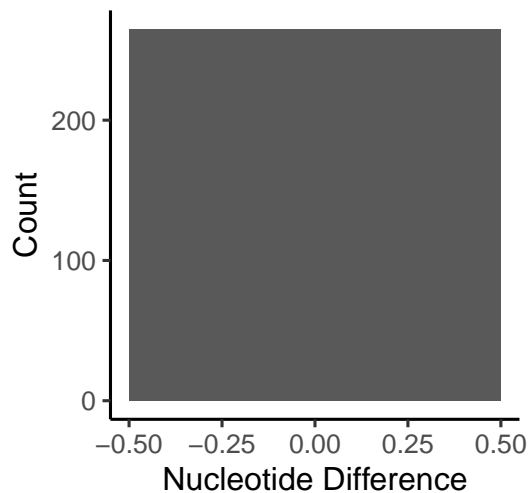
TRBV10–1*ap01

1187 sequences assigned
1180 (99.4%) exact matches, in which:
1176 unique CDR3
13 unique J



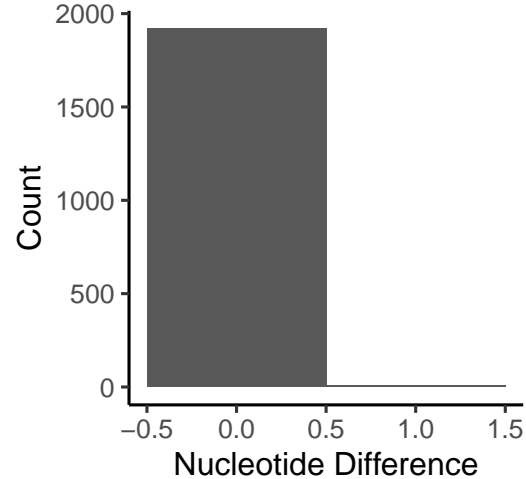
TRBV1*ap01

265 sequences assigned
265 (100%) exact matches, in which:
265 unique CDR3
13 unique J



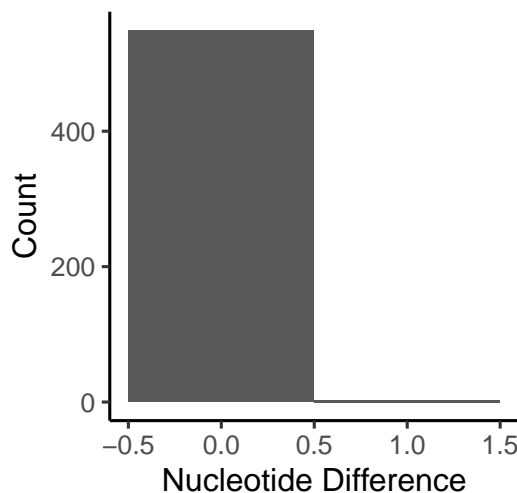
TRBV15*ap02

1929 sequences assigned
1919 (99.5%) exact matches, in which:
1907 unique CDR3
13 unique J



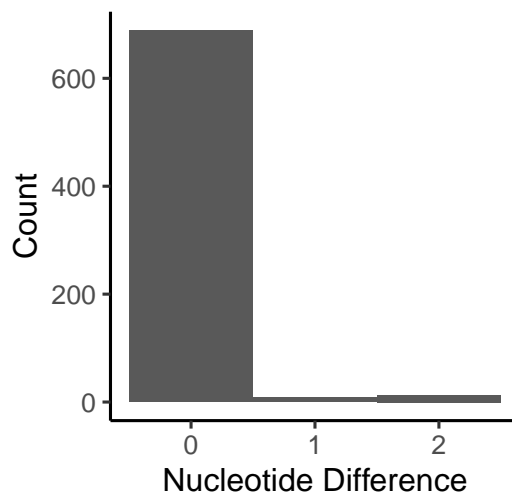
TRBV10–2*ap01

552 sequences assigned
549 (99.5%) exact matches, in which:
546 unique CDR3
13 unique J



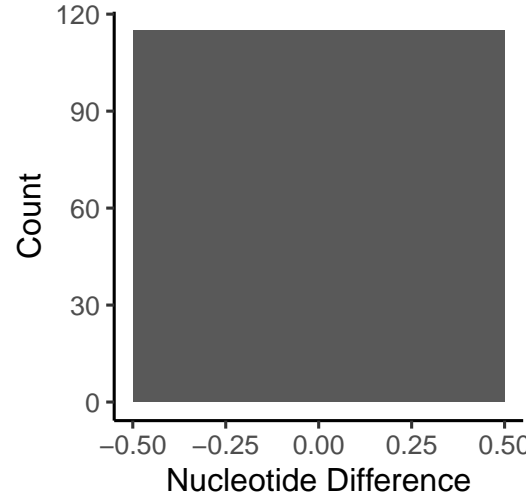
TRBV13*ap01

710 sequences assigned
689 (97%) exact matches, in which:
684 unique CDR3
13 unique J



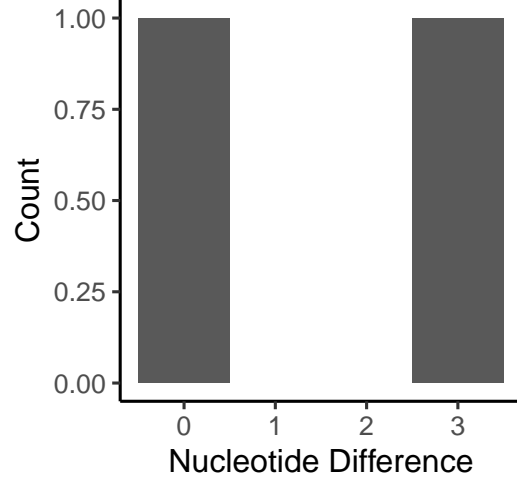
TRBV16*ap01

115 sequences assigned
115 (100%) exact matches, in which:
115 unique CDR3
13 unique J



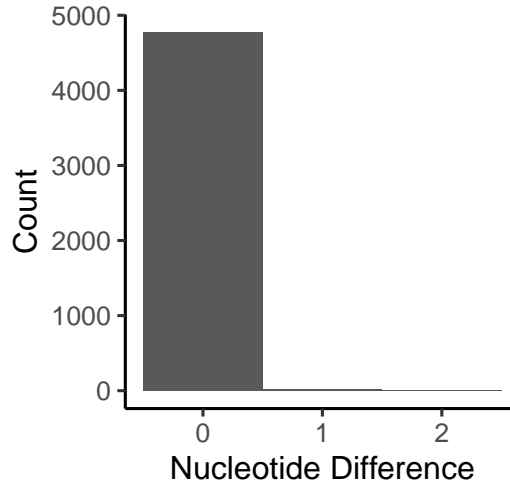
TRBV17*ap01

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



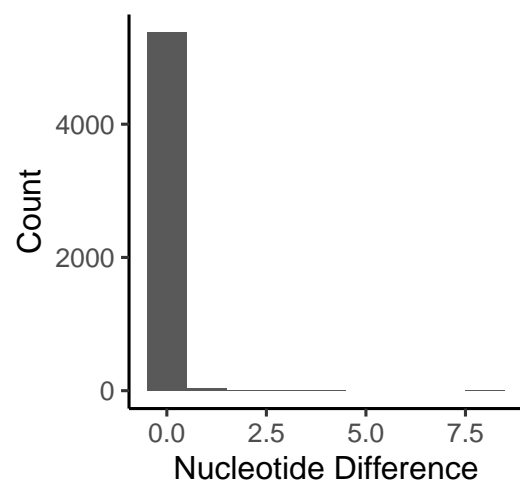
TRBV2*ap01

4793 sequences assigned
4772 (99.6%) exact matches, in which:
4758 unique CDR3
13 unique J



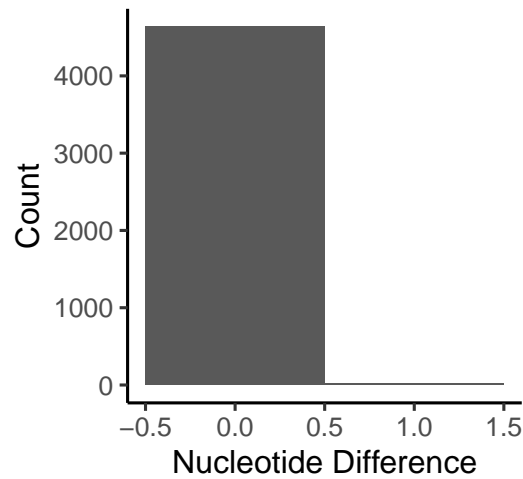
TRBV30*ap01

5429 sequences assigned
5378 (99.1%) exact matches, in which:
5368 unique CDR3
13 unique J



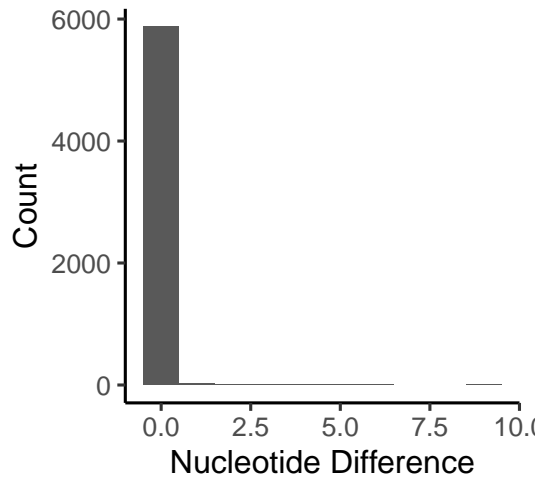
TRBV18*ap01

4651 sequences assigned
4636 (99.7%) exact matches, in which:
4625 unique CDR3
13 unique J



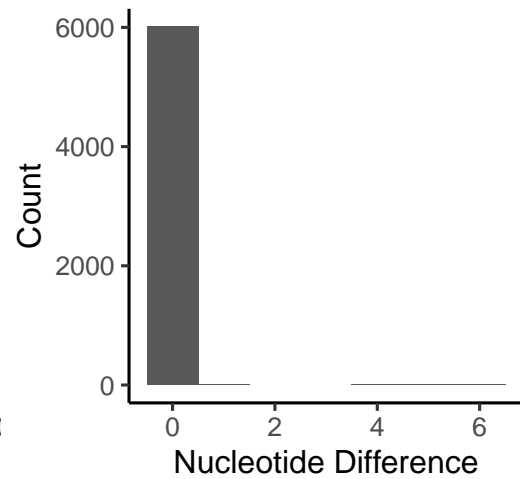
TRBV27*ap01

5914 sequences assigned
5874 (99.3%) exact matches, in which:
5863 unique CDR3
13 unique J



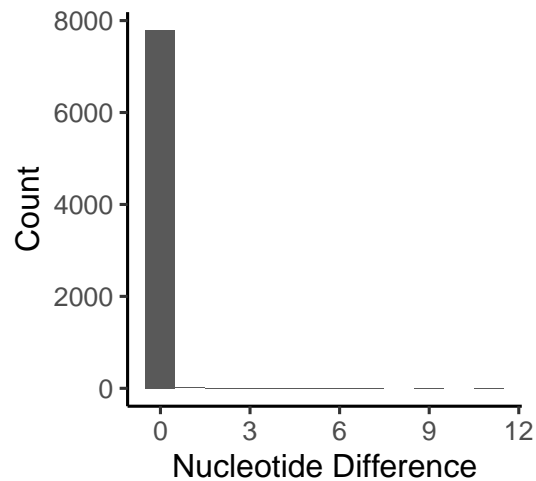
TRBV9*ap01

6026 sequences assigned
6011 (99.8%) exact matches, in which:
5989 unique CDR3
13 unique J



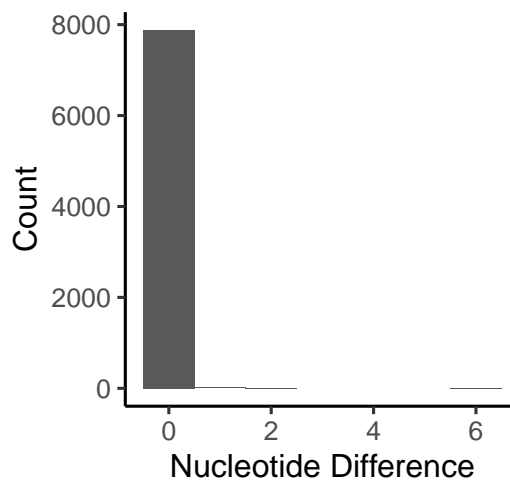
TRBV19*ap01

7823 sequences assigned
7794 (99.6%) exact matches, in which:
7792 unique CDR3
13 unique J



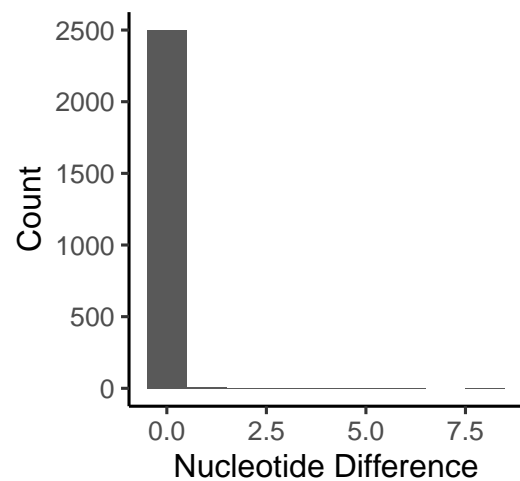
TRBV28*ap01

7900 sequences assigned
7881 (99.8%) exact matches, in which:
7857 unique CDR3
13 unique J



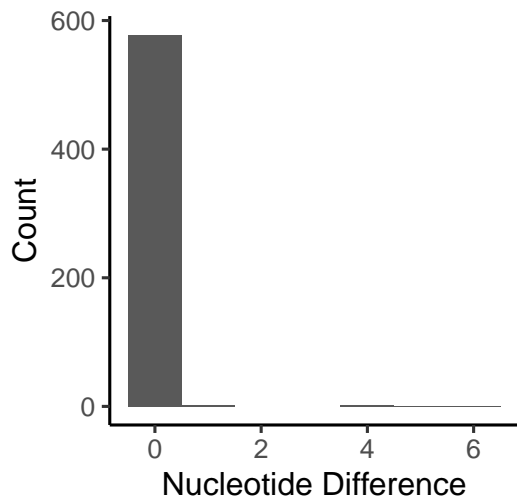
TRBV21-1*ap01

2522 sequences assigned
2500 (99.1%) exact matches, in which:
2497 unique CDR3
13 unique J



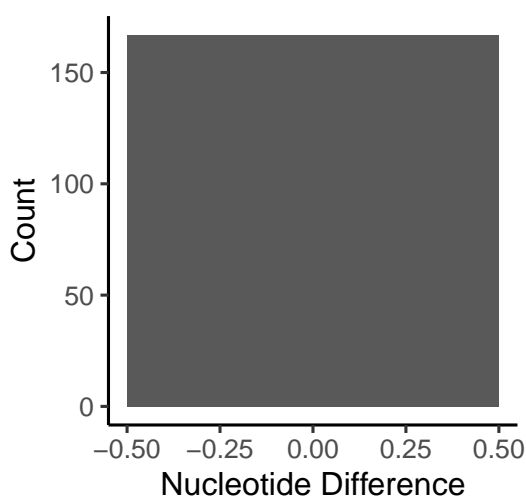
TRBV11-1*ap01

584 sequences assigned
578 (99%) exact matches, in which:
578 unique CDR3
13 unique J



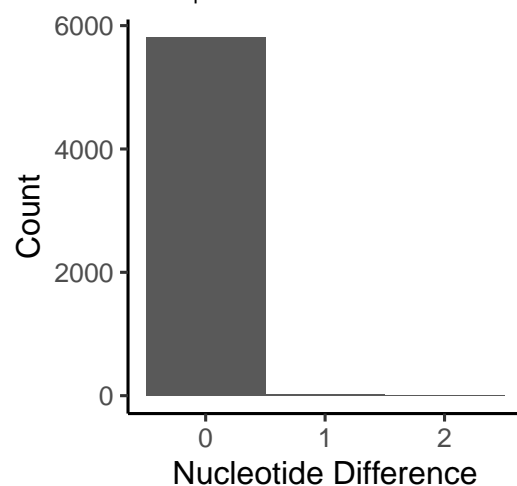
TRBV12-1*ap01

167 sequences assigned
167 (100%) exact matches, in which:
165 unique CDR3
13 unique J



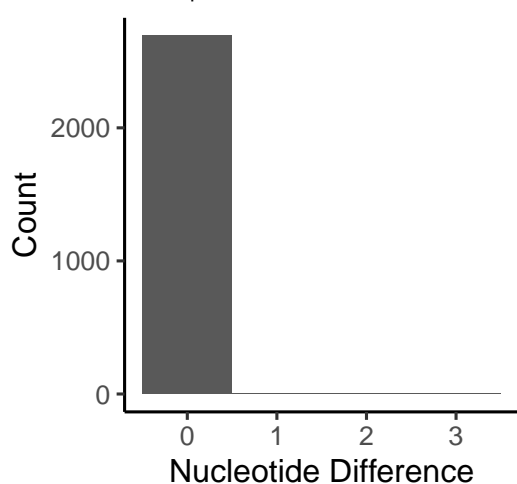
TRBV12-34*ap01

5833 sequences assigned
5809 (99.6%) exact matches, in which:
5790 unique CDR3
13 unique J



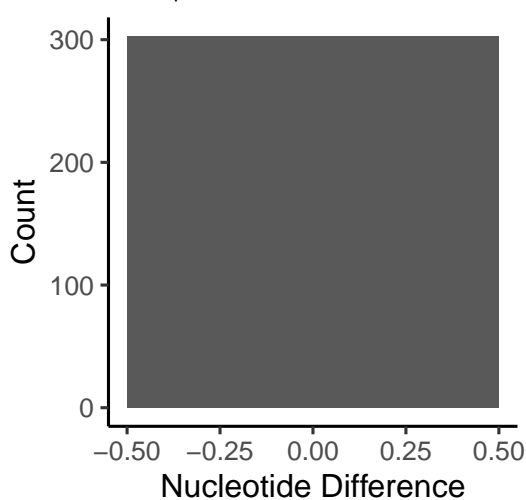
TRBV11-2*ap01

2697 sequences assigned
2692 (99.8%) exact matches, in which:
2687 unique CDR3
13 unique J



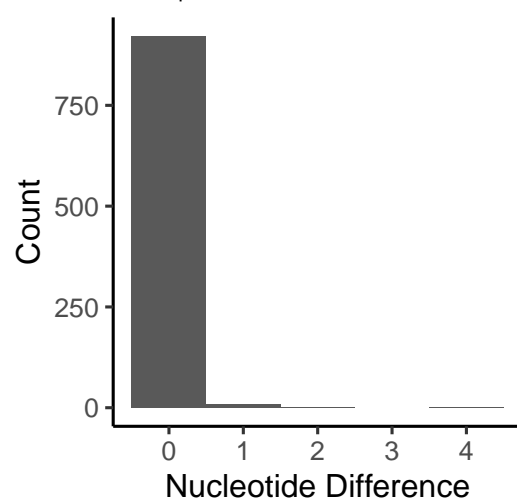
TRBV12-2*ap01

303 sequences assigned
303 (100%) exact matches, in which:
302 unique CDR3
13 unique J



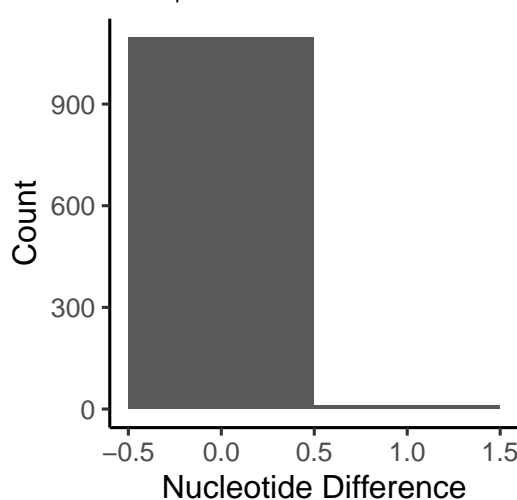
TRBV23-1*ap01

934 sequences assigned
922 (98.7%) exact matches, in which:
921 unique CDR3
13 unique J



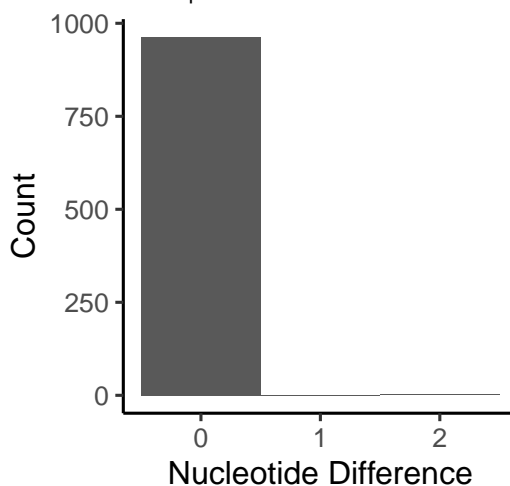
TRBV11-3*ap01

1107 sequences assigned
1097 (99.1%) exact matches, in which:
1095 unique CDR3
13 unique J



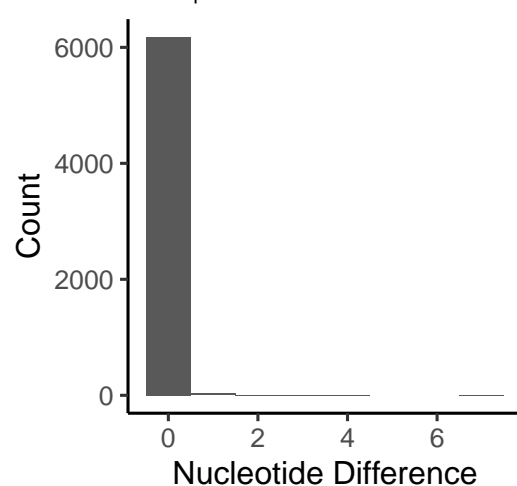
TRBV12-5*ap01

966 sequences assigned
963 (99.7%) exact matches, in which:
961 unique CDR3
13 unique J



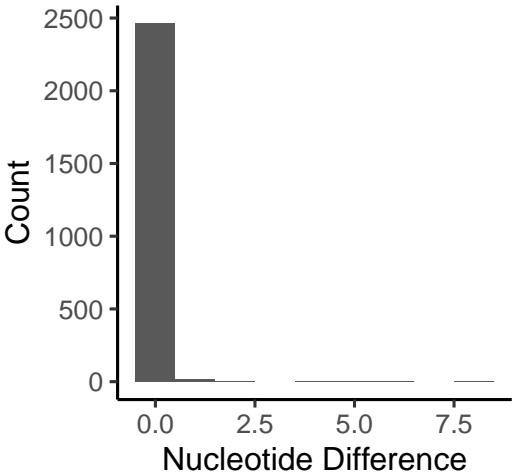
TRBV3-12*ap01

6216 sequences assigned
6178 (99.4%) exact matches, in which:
6166 unique CDR3
13 unique J



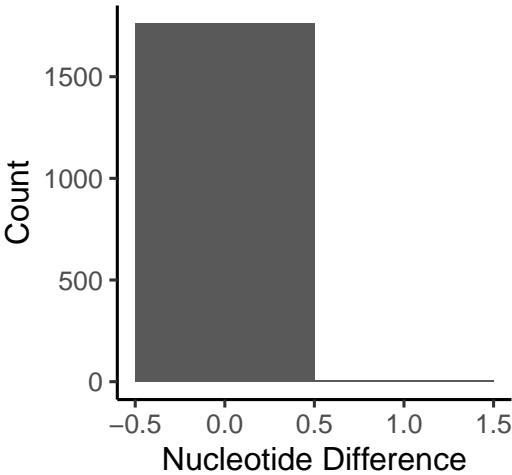
TRBV24-1*ap01

2485 sequences assigned
2463 (99.1%) exact matches, in which:
2458 unique CDR3
13 unique J



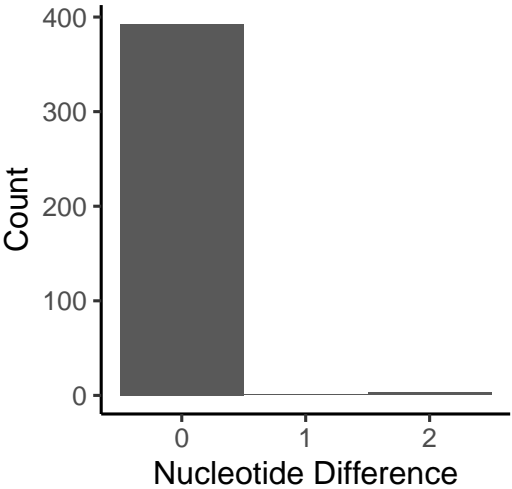
TRBV4-3*ap01

1768 sequences assigned
1762 (99.7%) exact matches, in which:
1752 unique CDR3
13 unique J



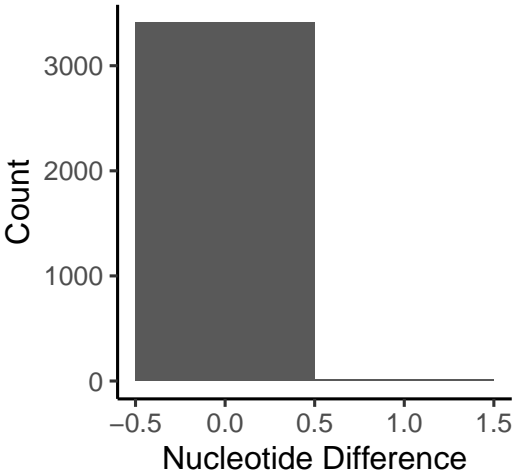
TRBV5-3*ap01

397 sequences assigned
393 (99%) exact matches, in which:
392 unique CDR3
13 unique J



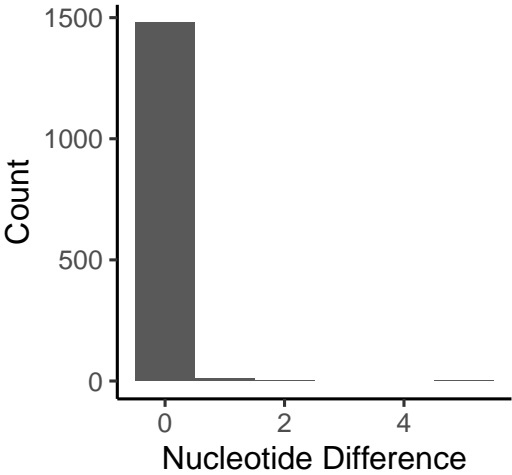
TRBV4-1*ap01

3421 sequences assigned
3409 (99.6%) exact matches, in which:
3399 unique CDR3
13 unique J



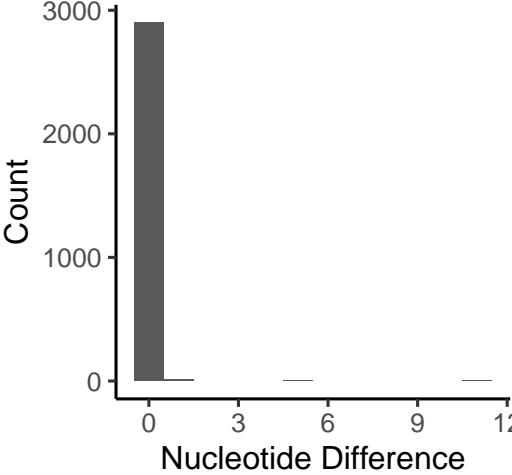
TRBV25-1*ap01

1493 sequences assigned
1479 (99.1%) exact matches, in which:
1476 unique CDR3
13 unique J



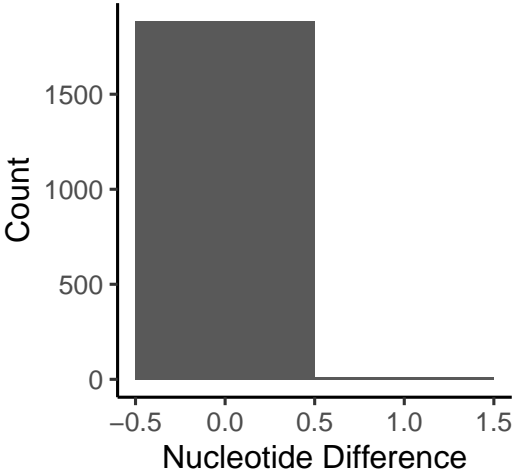
TRBV5-4*ap01

2912 sequences assigned
2899 (99.6%) exact matches, in which:
2891 unique CDR3
13 unique J



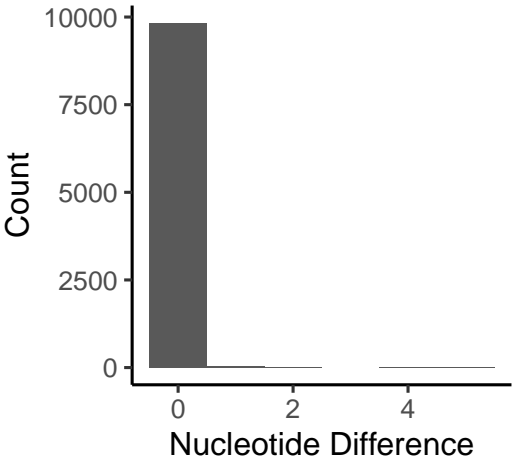
TRBV4-2*ap01

1898 sequences assigned
1885 (99.3%) exact matches, in which:
1884 unique CDR3
13 unique J



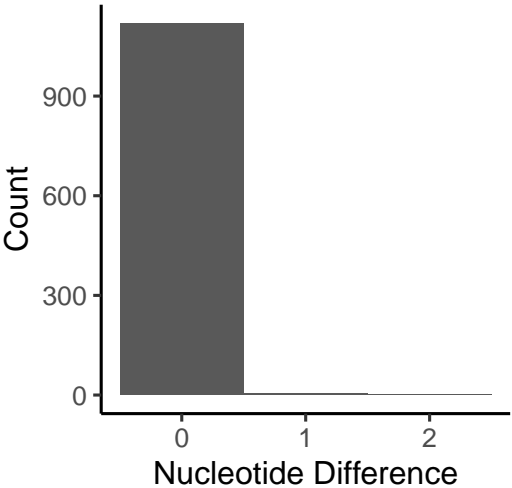
TRBV5-1*ap01

9882 sequences assigned
9836 (99.5%) exact matches, in which:
9764 unique CDR3
13 unique J



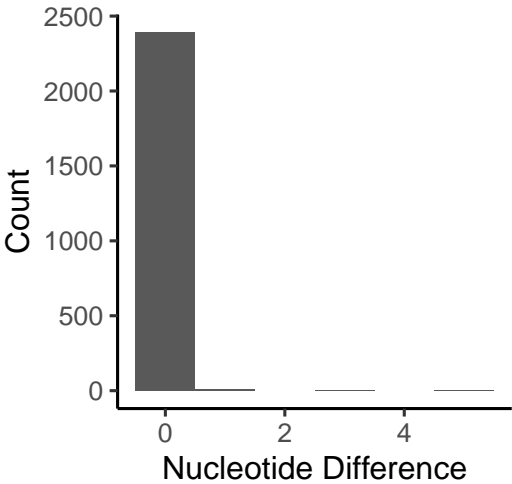
TRBV5-5*ap01

1125 sequences assigned
1119 (99.5%) exact matches, in which:
1116 unique CDR3
13 unique J



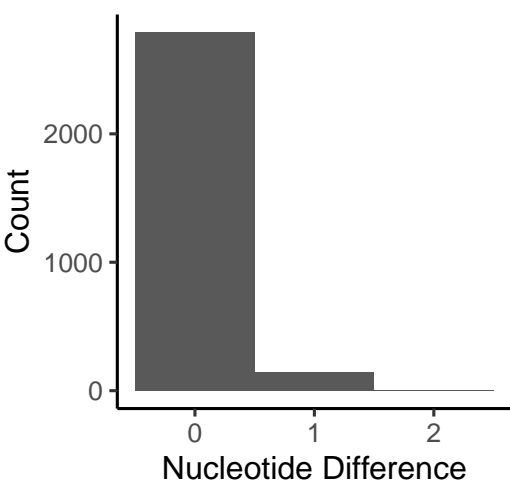
TRBV5-6*ap01

2406 sequences assigned
2391 (99.4%) exact matches, in which:
2373 unique CDR3
13 unique J



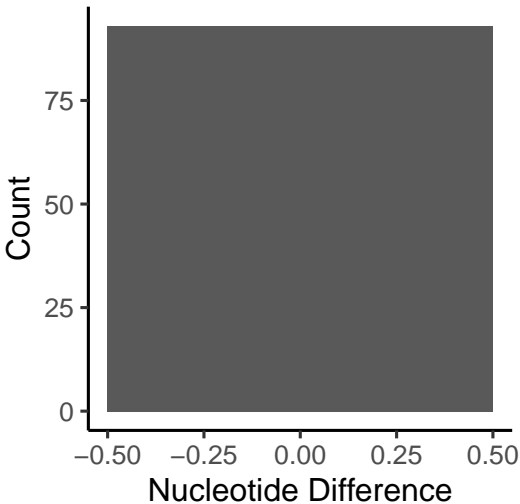
TRBV6-1*ap01

2938 sequences assigned
2790 (95%) exact matches, in which:
2783 unique CDR3
13 unique J



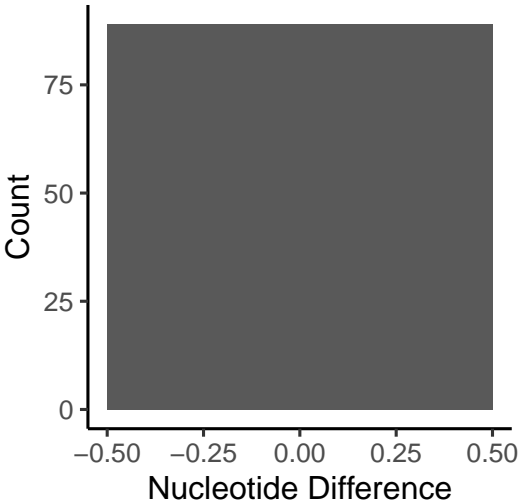
TRBV6-8*ap01

93 sequences assigned
93 (100%) exact matches, in which:
93 unique CDR3
12 unique J



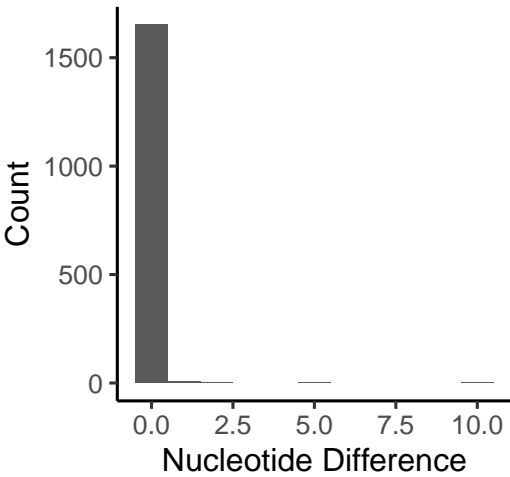
TRBV5-7*ap01

89 sequences assigned
89 (100%) exact matches, in which:
89 unique CDR3
13 unique J



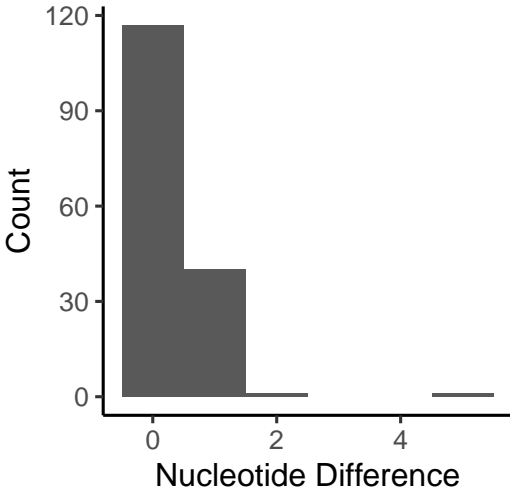
TRBV6-4*ap01

1663 sequences assigned
1652 (99.3%) exact matches, in which:
1648 unique CDR3
13 unique J



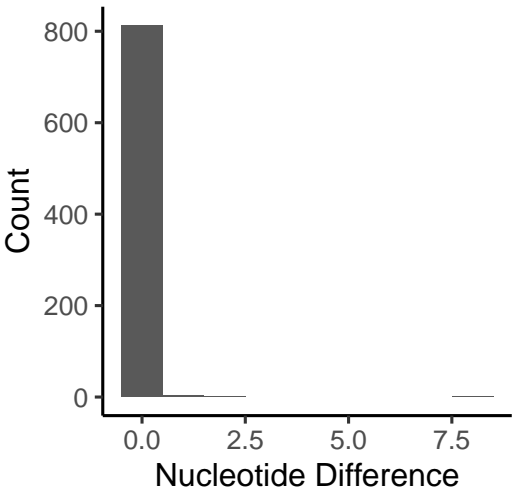
TRBV6-9*ap01

159 sequences assigned
117 (73.6%) exact matches, in which:
116 unique CDR3
13 unique J



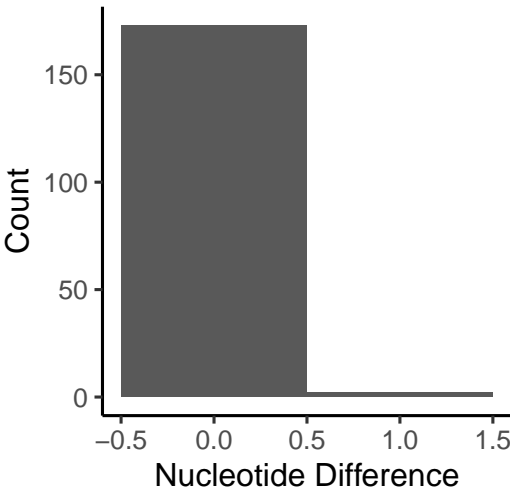
TRBV5-8*ap01

819 sequences assigned
813 (99.3%) exact matches, in which:
813 unique CDR3
13 unique J



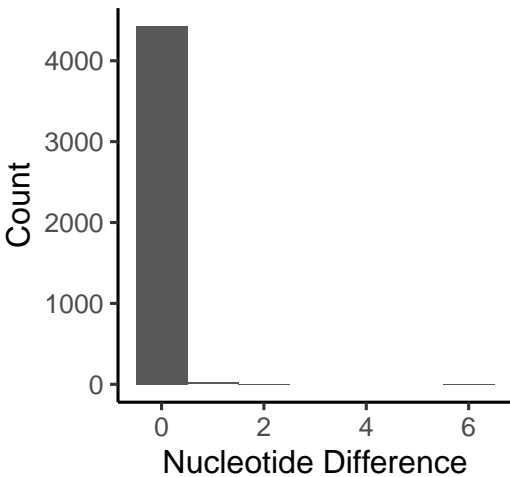
TRBV6-7*ap01

175 sequences assigned
173 (98.9%) exact matches, in which:
172 unique CDR3
12 unique J



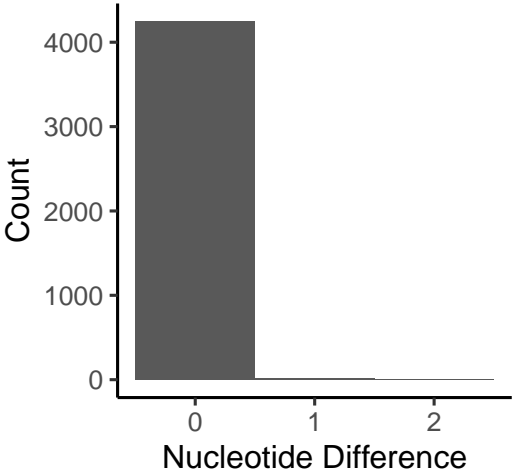
TRBV6-23*ap01

4452 sequences assigned
4429 (99.5%) exact matches, in which:
4419 unique CDR3
13 unique J



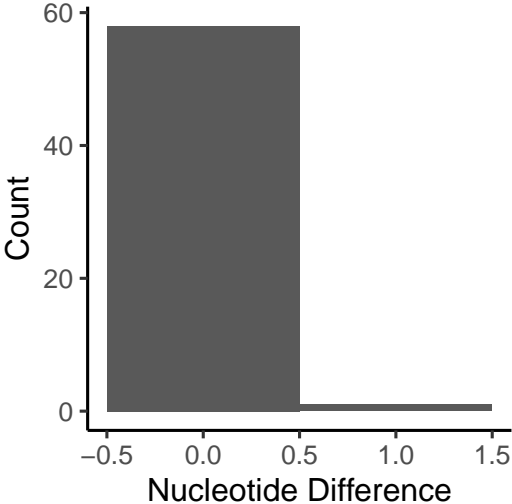
TRBV6-56*ap01

4266 sequences assigned
4247 (99.6%) exact matches, in which:
4237 unique CDR3
13 unique J



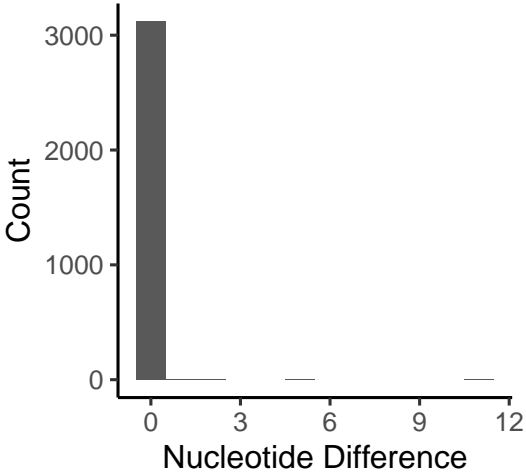
TRBV7-1*ap01_G291C_T

59 sequences assigned
58 (98.3%) exact matches, in which:
58 unique CDR3
11 unique J



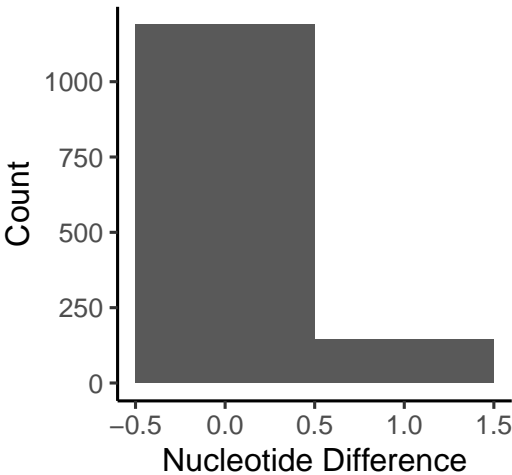
TRBV7-3*ap01

3133 sequences assigned
3120 (99.6%) exact matches, in which:
3099 unique CDR3
13 unique J



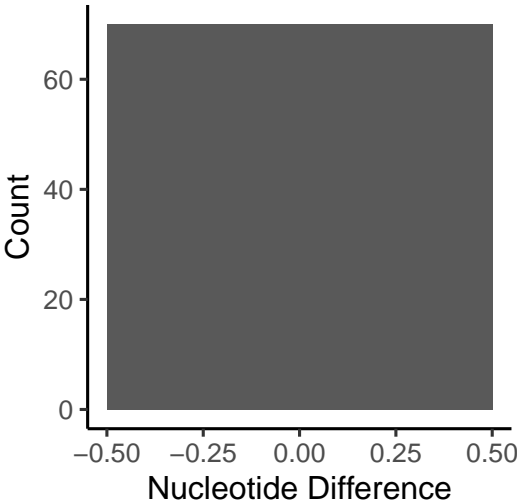
TRBV6-56*ap02

1334 sequences assigned
1189 (89.1%) exact matches, in which:
1186 unique CDR3
13 unique J



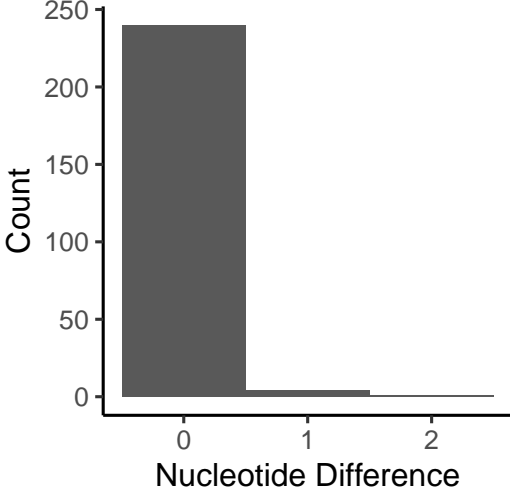
TRBV7-1*ap01_G291C_T

70 sequences assigned
70 (100%) exact matches, in which:
70 unique CDR3
13 unique J



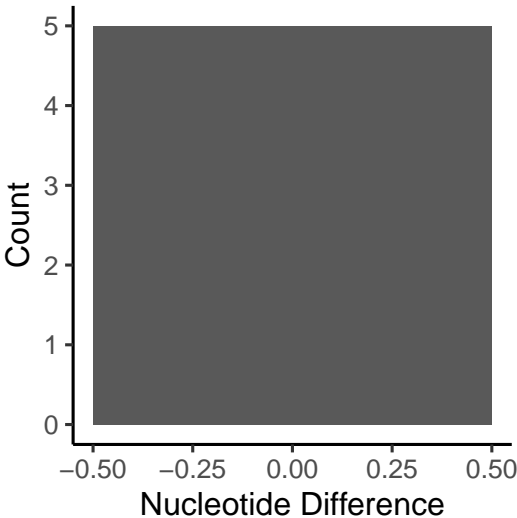
TRBV7-4*ap01

245 sequences assigned
240 (98%) exact matches, in which:
239 unique CDR3
13 unique J



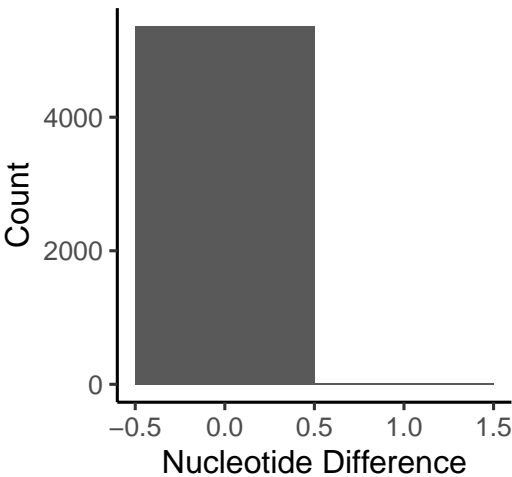
TRBV7-1*ap01

5 sequences assigned
5 (100%) exact matches, in which:
5 unique CDR3
4 unique J



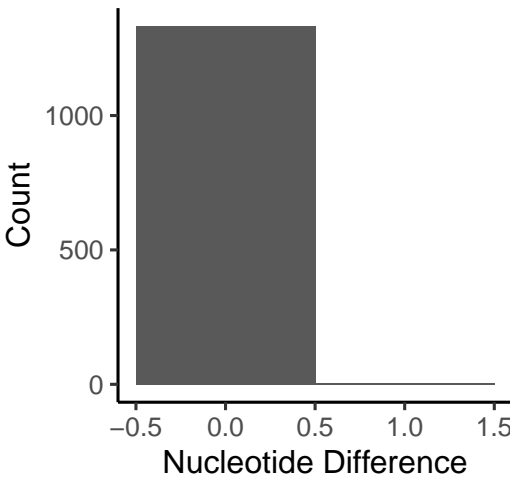
TRBV7-2*ap01

5384 sequences assigned
5365 (99.6%) exact matches, in which:
5360 unique CDR3
13 unique J



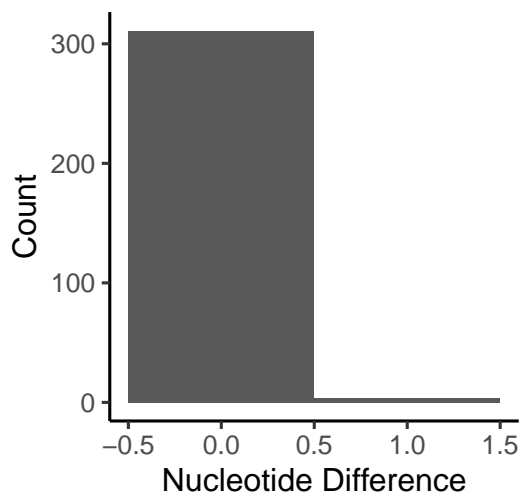
TRBV7-6*ap01

1338 sequences assigned
1333 (99.6%) exact matches, in which:
1331 unique CDR3
13 unique J



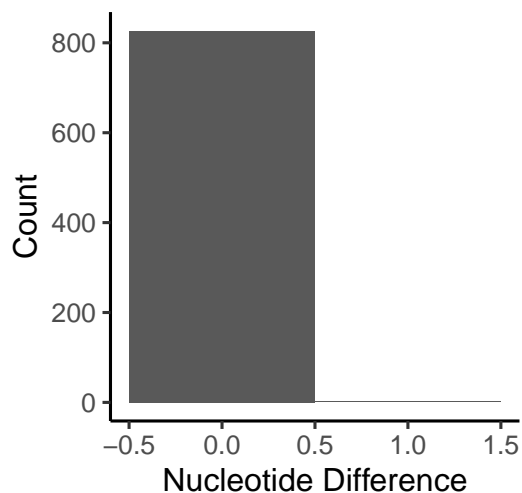
TRBV7-7*ap01

315 sequences assigned
311 (98.7%) exact matches, in which:
310 unique CDR3
13 unique J



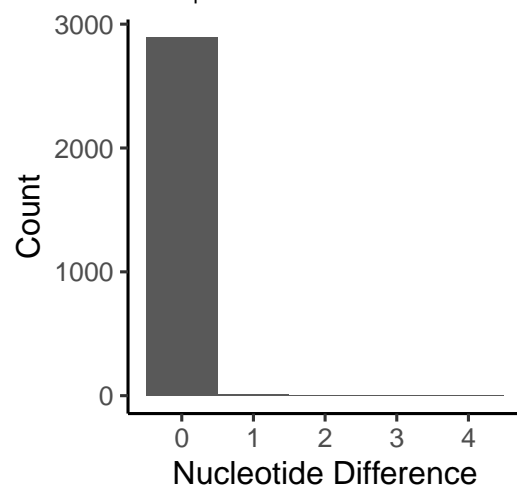
TRBV7-8*ap02

829 sequences assigned
827 (99.8%) exact matches, in which:
825 unique CDR3
13 unique J



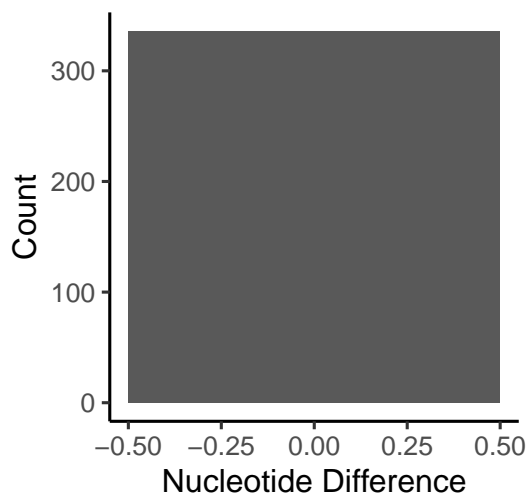
TRBV29-1*ap01

2907 sequences assigned
2893 (99.5%) exact matches, in which:
2887 unique CDR3
13 unique J



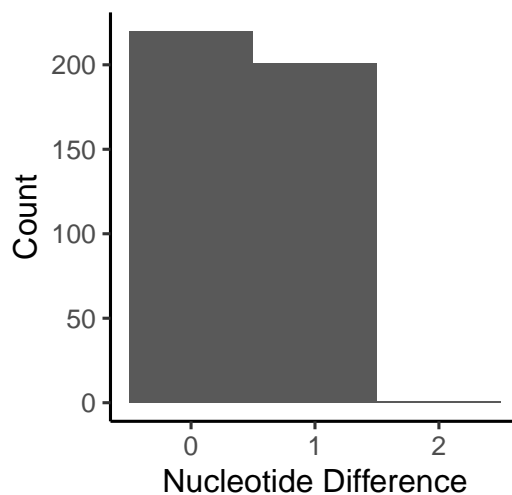
TRBV7-7*ap01_C315T

336 sequences assigned
336 (100%) exact matches, in which:
335 unique CDR3
12 unique J



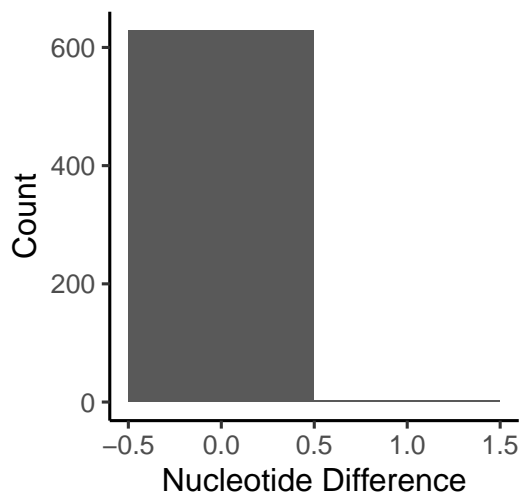
TRBV7-8*ap03

422 sequences assigned
220 (52.1%) exact matches, in which:
220 unique CDR3
13 unique J



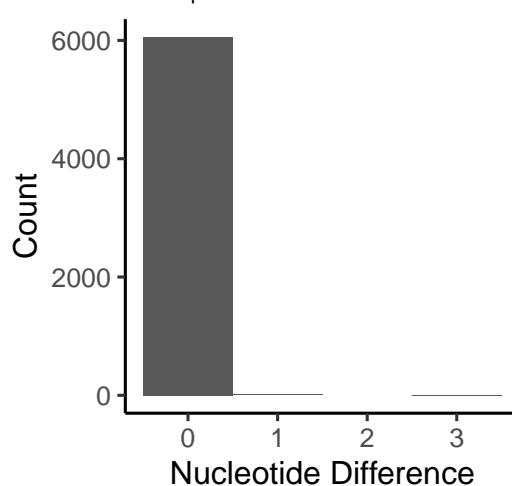
TRBV7-8*ap01

632 sequences assigned
629 (99.5%) exact matches, in which:
624 unique CDR3
13 unique J

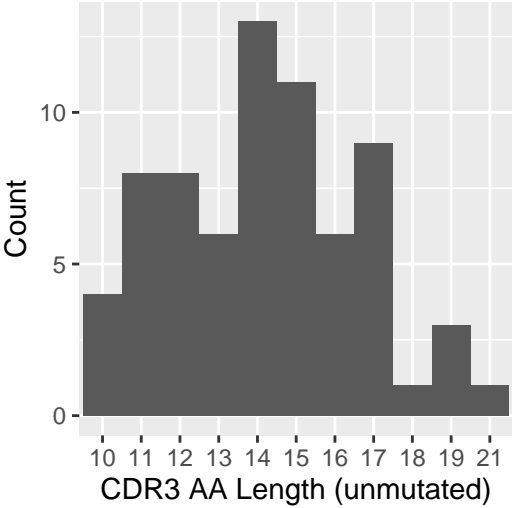


TRBV7-9*ap01

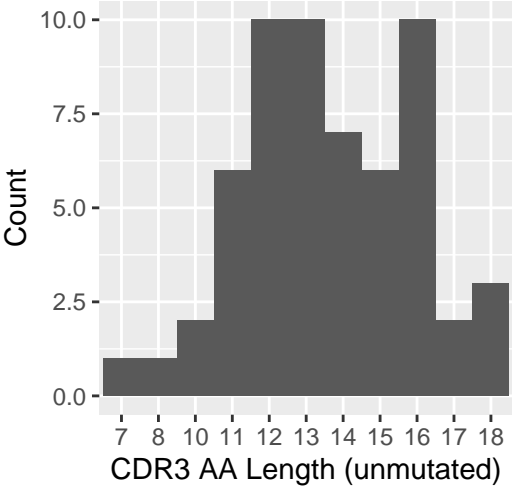
6072 sequences assigned
6057 (99.8%) exact matches, in which:
6038 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

