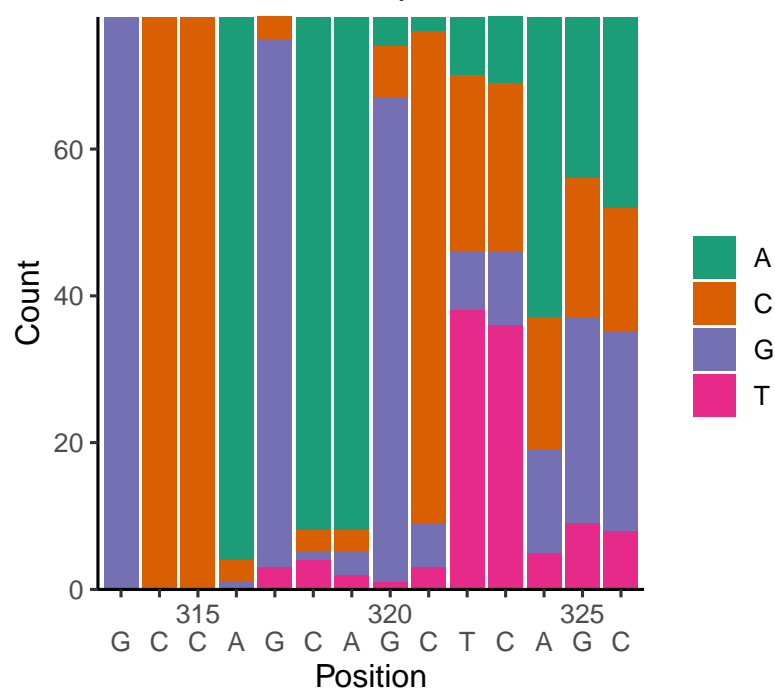
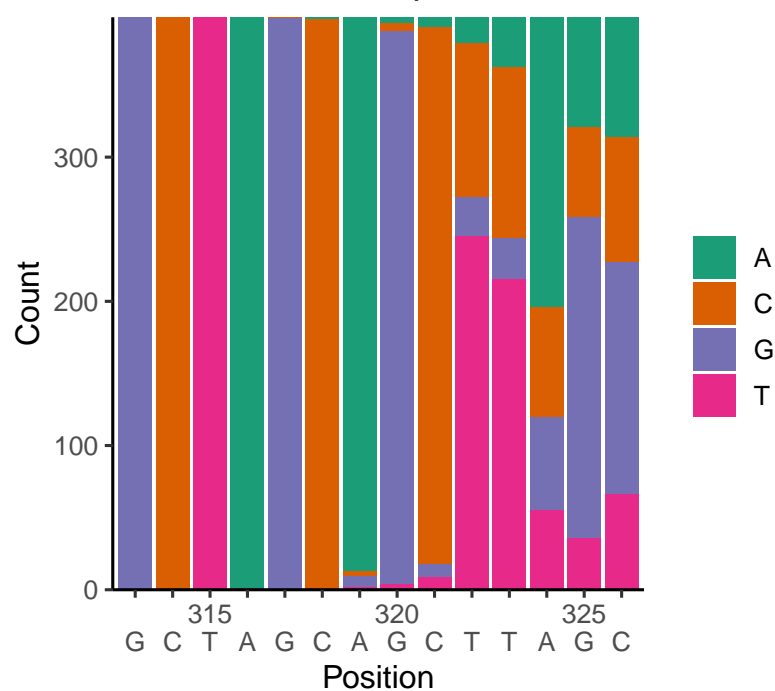


Gene TRBV7-1*ap01_G291C_T296C



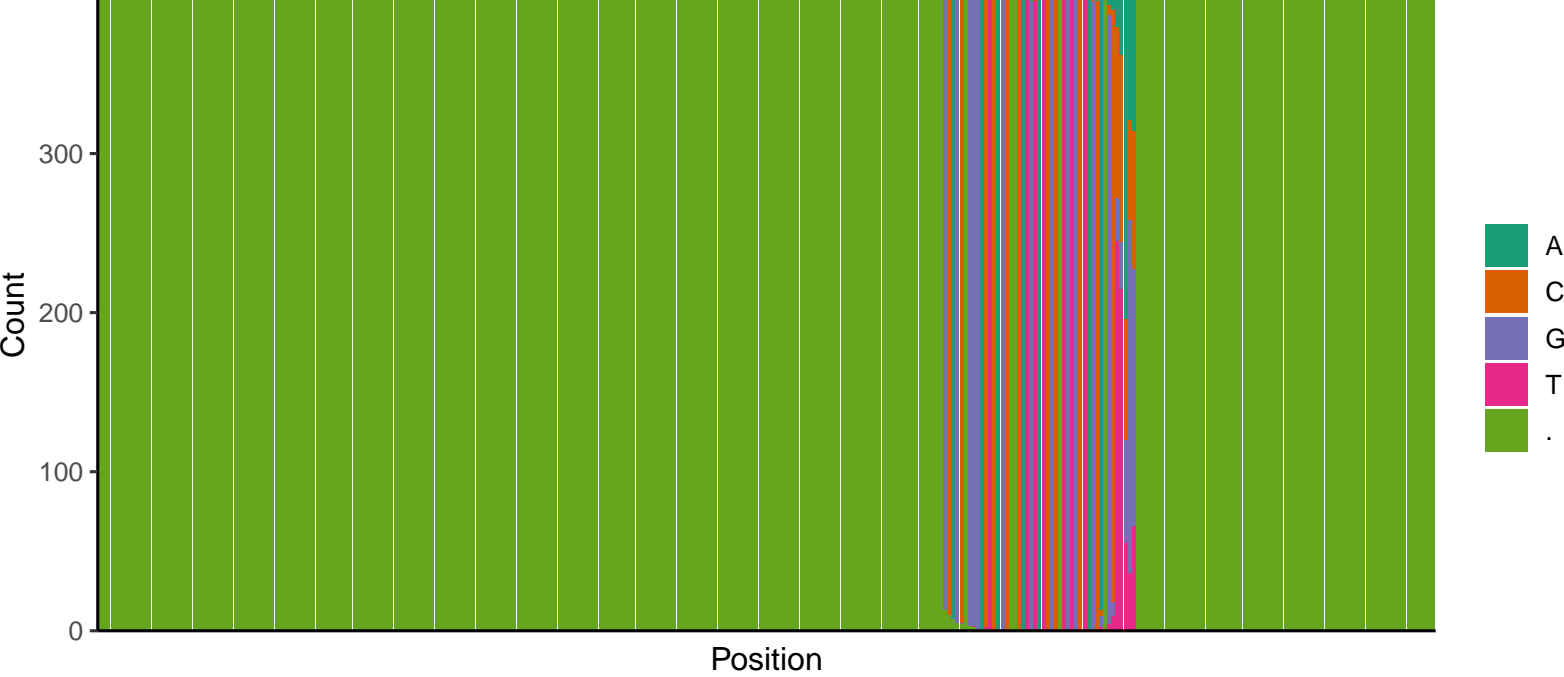
Gene TRBV7-7*ap01_C315T



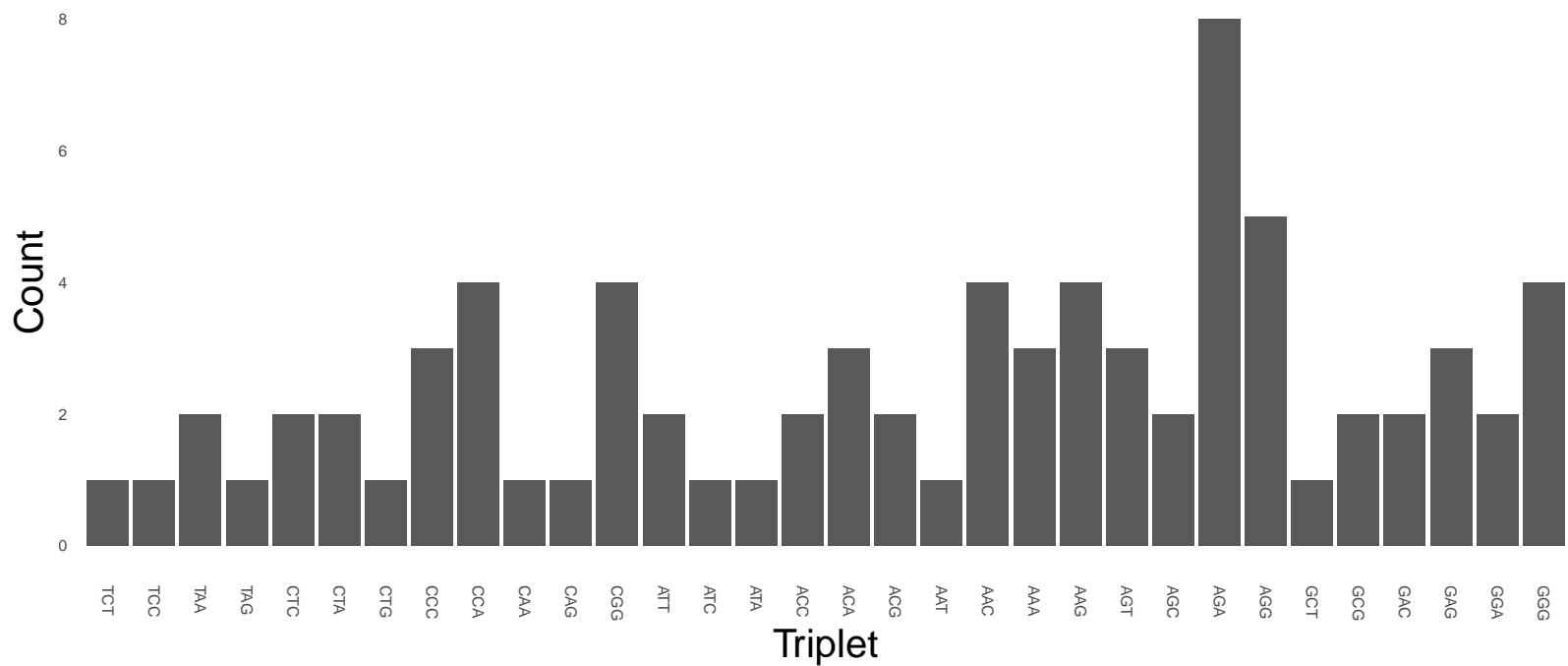
Gene TRBV7-1*ap01_G291C_T296C



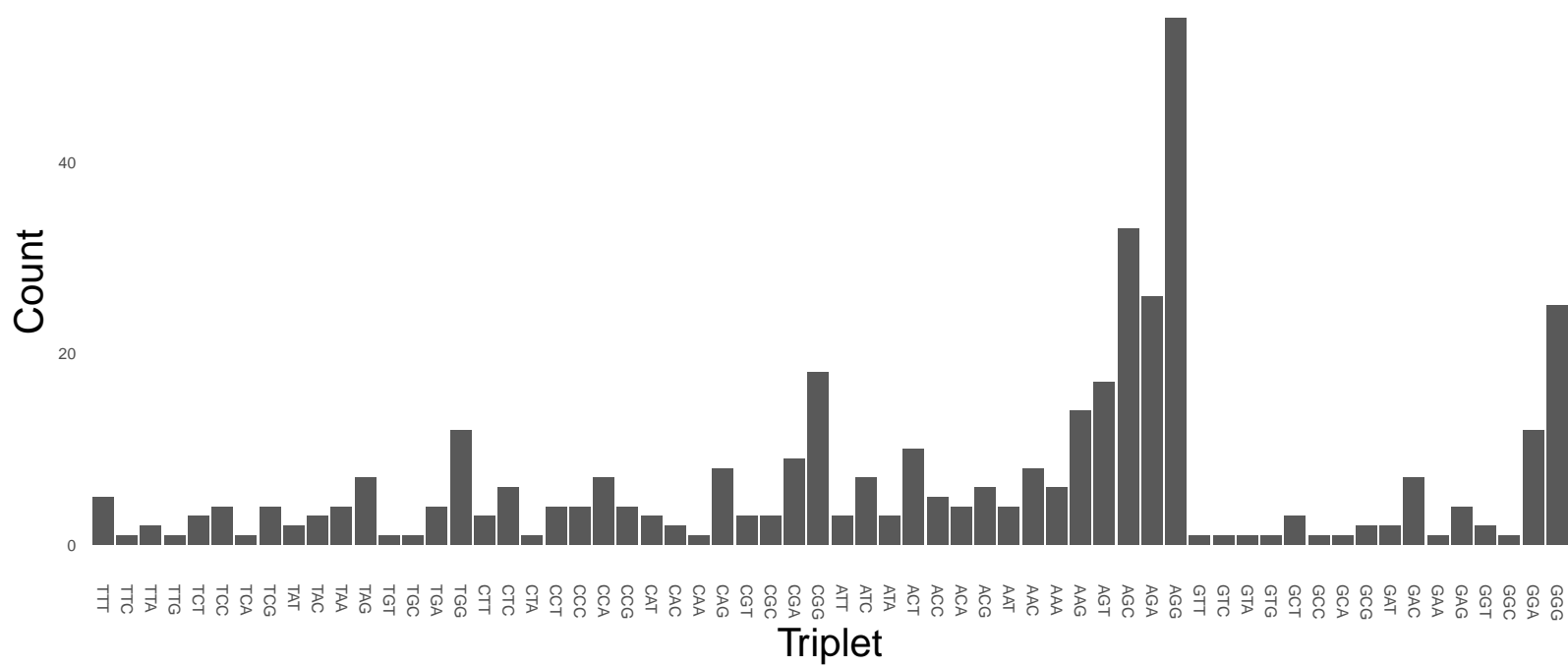
Gene TRBV7-7*ap01_C315T



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

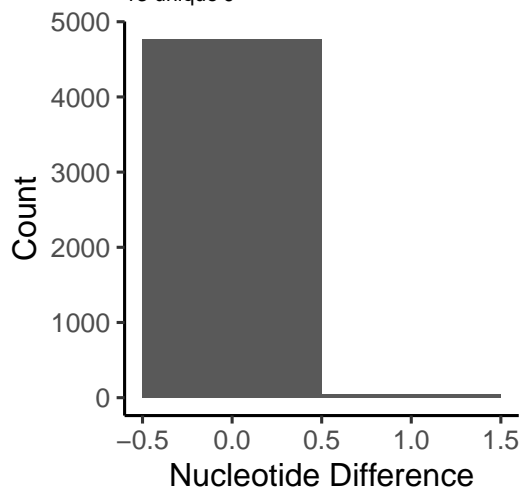


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



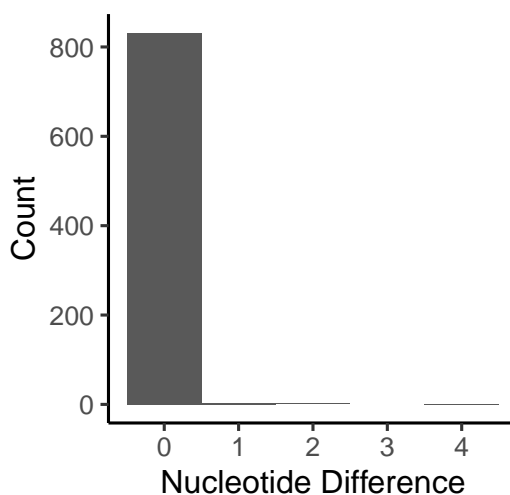
TRBV20-1*ap01

4805 sequences assigned
4765 (99.2%) exact matches, in which:
4739 unique CDR3
13 unique J



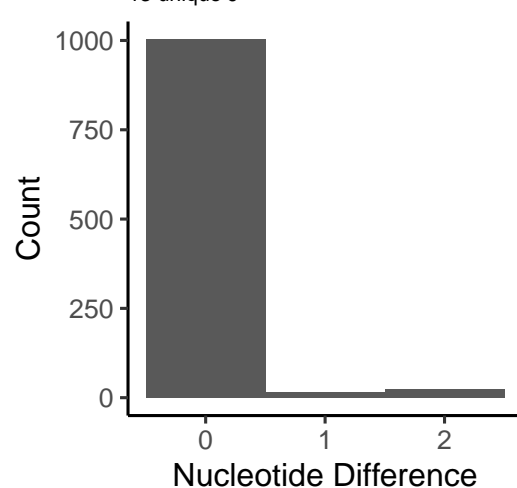
TRBV10-2*ap01

839 sequences assigned
832 (99.2%) exact matches, in which:
822 unique CDR3
13 unique J



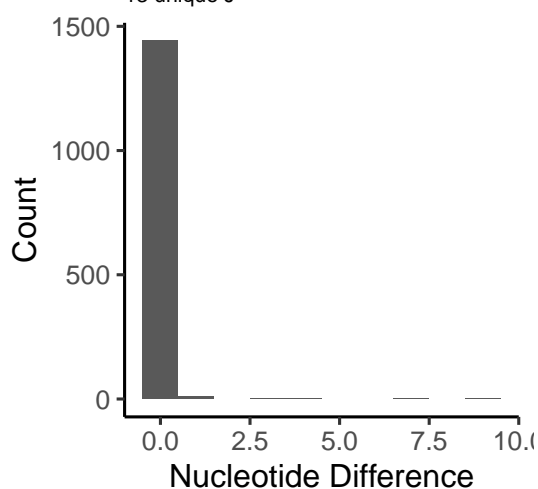
TRBV13*ap01

1041 sequences assigned
1003 (96.3%) exact matches, in which:
994 unique CDR3
13 unique J



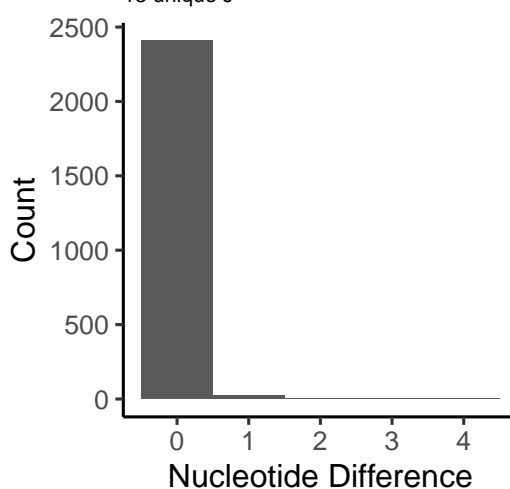
TRBV10-1*ap01

1459 sequences assigned
1442 (98.8%) exact matches, in which:
1431 unique CDR3
13 unique J



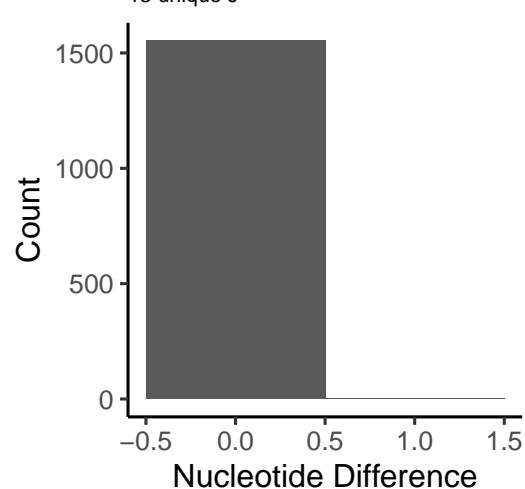
TRBV10-3*ap01

2435 sequences assigned
2408 (98.9%) exact matches, in which:
2387 unique CDR3
13 unique J



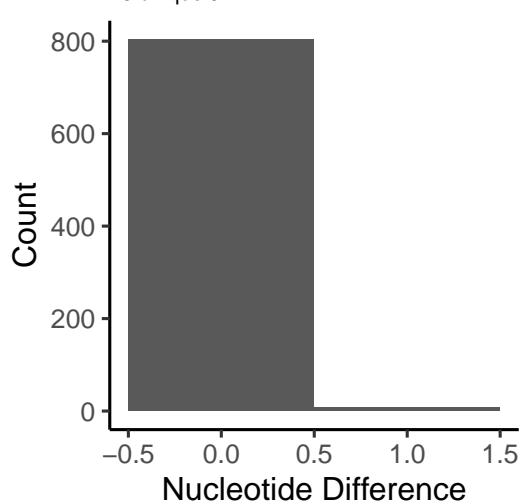
TRBV14*ap01

1556 sequences assigned
1553 (99.8%) exact matches, in which:
1539 unique CDR3
13 unique J



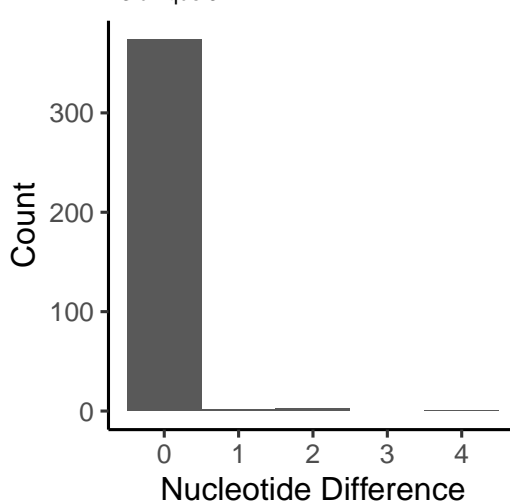
TRBV20-1*ap02

812 sequences assigned
804 (99%) exact matches, in which:
799 unique CDR3
13 unique J



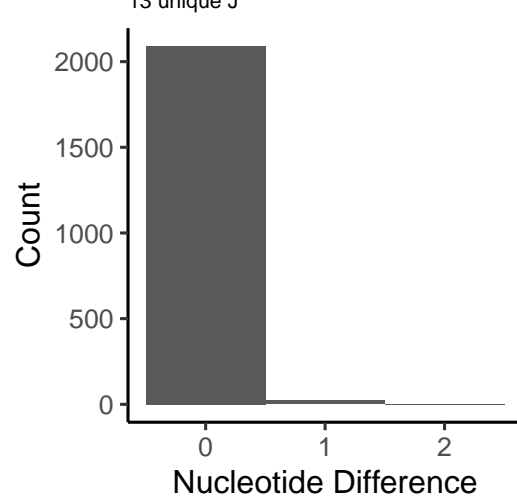
TRBV1*ap01

380 sequences assigned
374 (98.4%) exact matches, in which:
370 unique CDR3
13 unique J



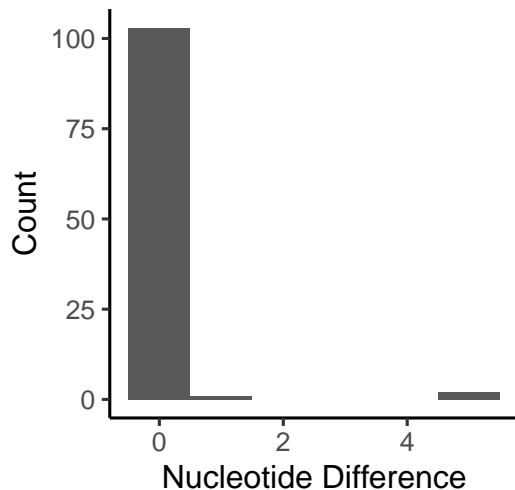
TRBV15*ap02

2116 sequences assigned
2091 (98.8%) exact matches, in which:
2075 unique CDR3
13 unique J



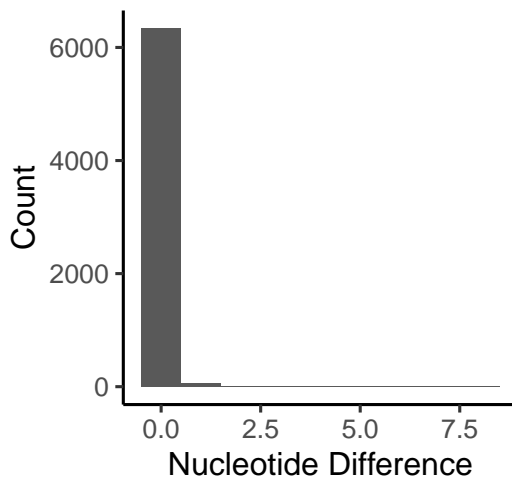
TRBV16*ap01

106 sequences assigned
103 (97.2%) exact matches, in which:
102 unique CDR3
13 unique J



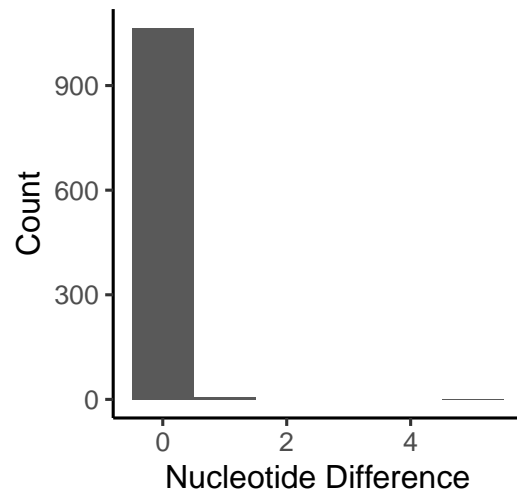
TRBV19*ap01

6409 sequences assigned
6337 (98.9%) exact matches, in which:
6310 unique CDR3
13 unique J



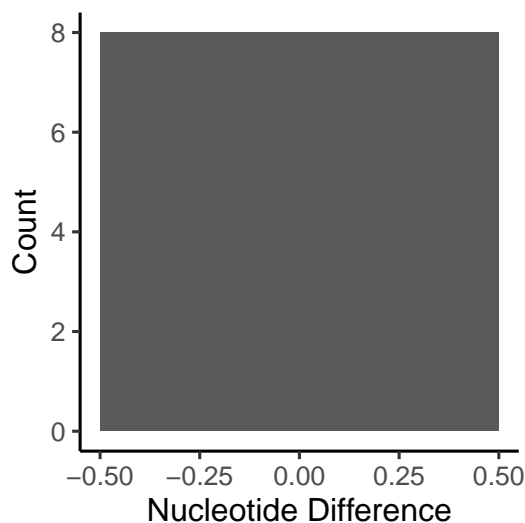
TRBV28*ap01

1073 sequences assigned
1066 (99.3%) exact matches, in which:
1054 unique CDR3
13 unique J



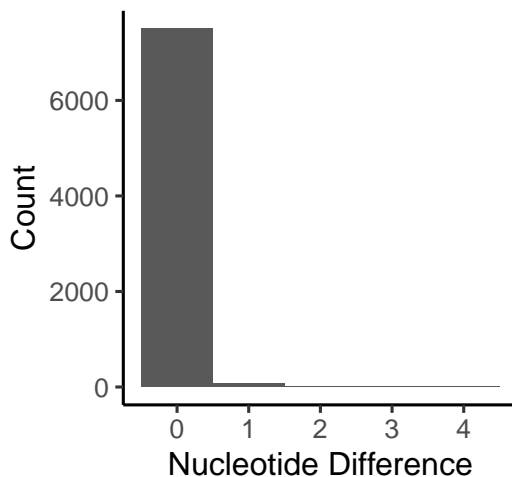
TRBV17*ap01

8 sequences assigned
8 (100%) exact matches, in which:
8 unique CDR3
5 unique J



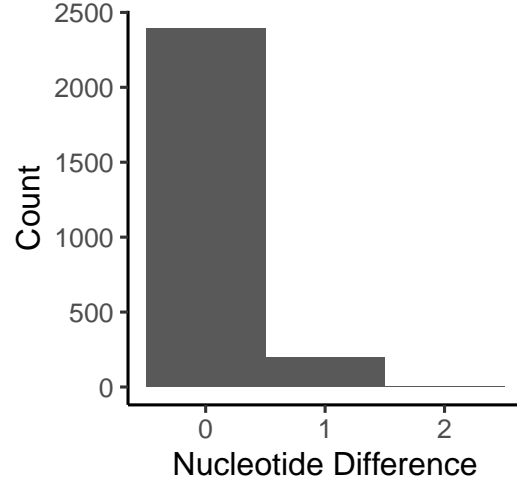
TRBV2*ap01

7568 sequences assigned
7501 (99.1%) exact matches, in which:
7435 unique CDR3
13 unique J



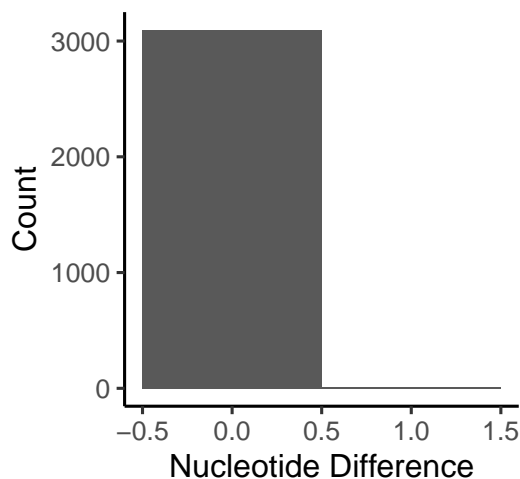
TRBV30*ap01

2593 sequences assigned
2391 (92.2%) exact matches, in which:
2358 unique CDR3
13 unique J



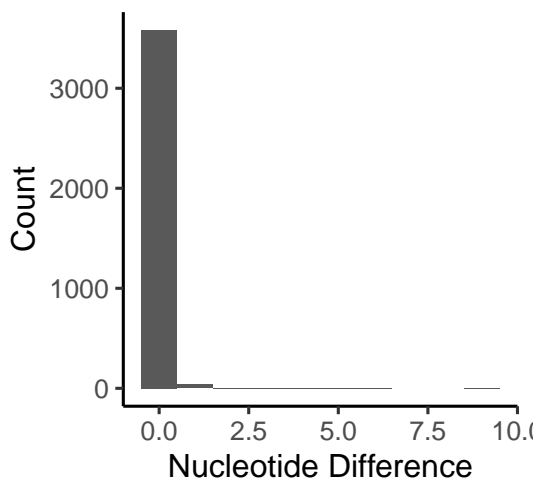
TRBV18*ap01

3108 sequences assigned
3095 (99.6%) exact matches, in which:
3082 unique CDR3
13 unique J



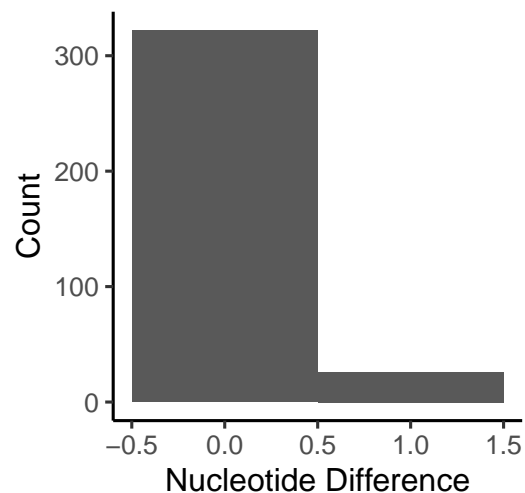
TRBV27*ap01

3627 sequences assigned
3582 (98.8%) exact matches, in which:
3546 unique CDR3
13 unique J



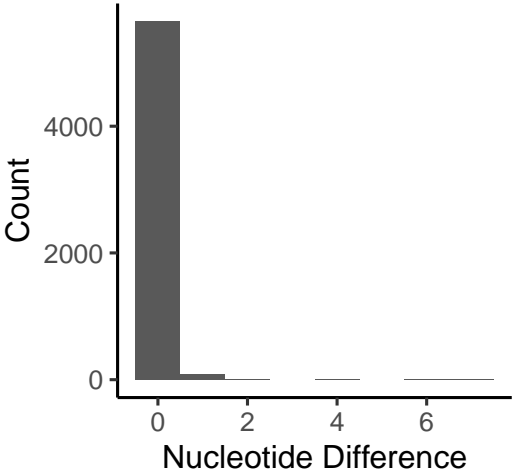
TRBV30*ap03

348 sequences assigned
322 (92.5%) exact matches, in which:
316 unique CDR3
13 unique J



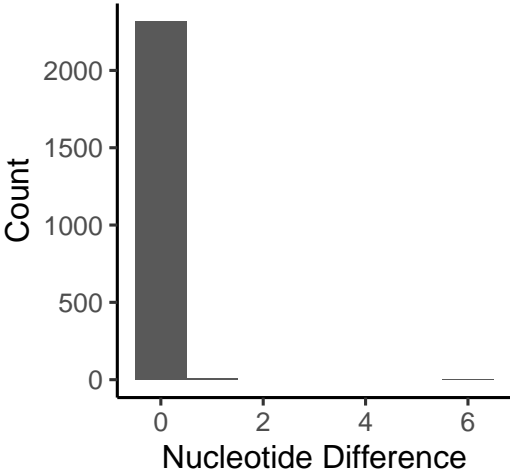
TRBV9*ap01

5754 sequences assigned
5654 (98.3%) exact matches, in which:
5610 unique CDR3
13 unique J



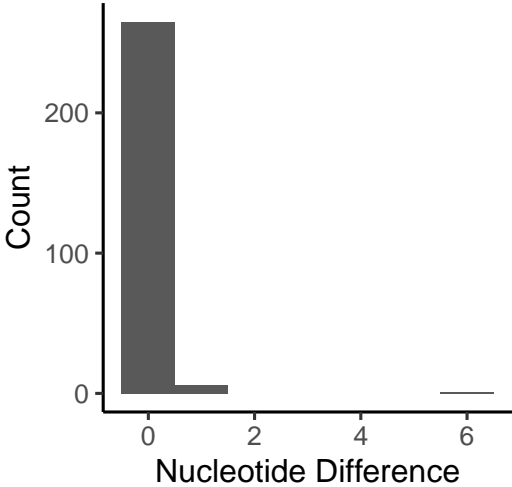
TRBV11-2*ap01

2329 sequences assigned
2317 (99.5%) exact matches, in which:
2302 unique CDR3
13 unique J



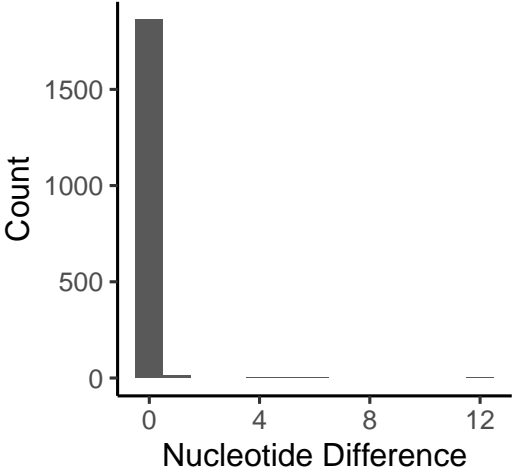
TRBV12-2*ap01

272 sequences assigned
265 (97.4%) exact matches, in which:
263 unique CDR3
13 unique J



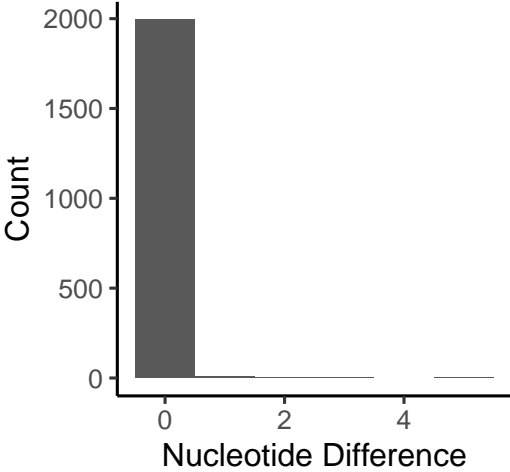
TRBV21-1*ap01

1878 sequences assigned
1862 (99.1%) exact matches, in which:
1851 unique CDR3
13 unique J



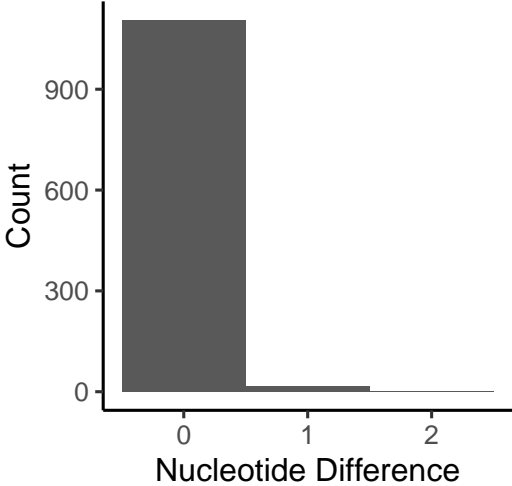
TRBV11-3*ap01

2007 sequences assigned
1994 (99.4%) exact matches, in which:
1975 unique CDR3
13 unique J



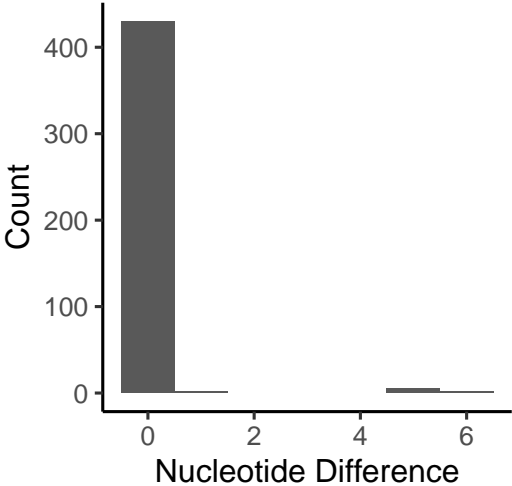
TRBV12-5*ap01

1124 sequences assigned
1106 (98.4%) exact matches, in which:
1092 unique CDR3
13 unique J



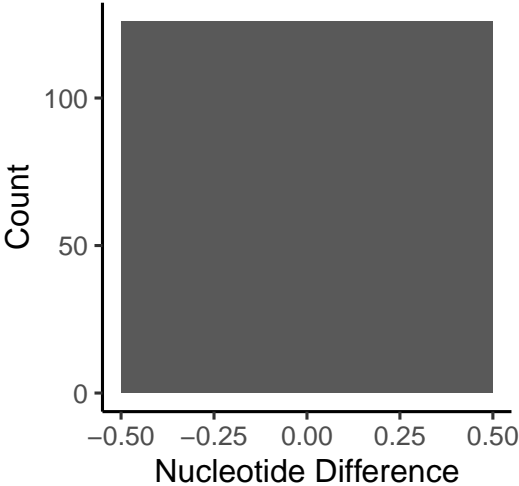
TRBV11-1*ap01

439 sequences assigned
430 (97.9%) exact matches, in which:
428 unique CDR3
13 unique J



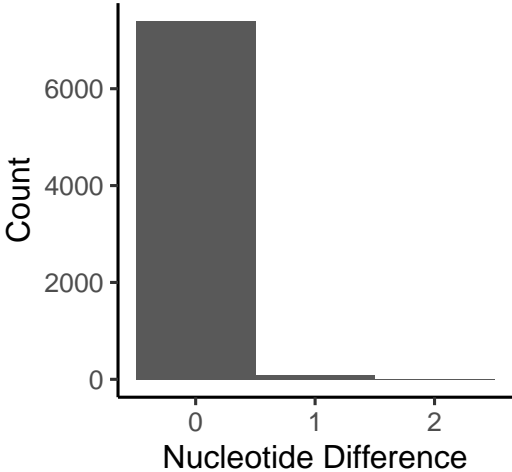
TRBV12-1*ap01

126 sequences assigned
126 (100%) exact matches, in which:
124 unique CDR3
13 unique J



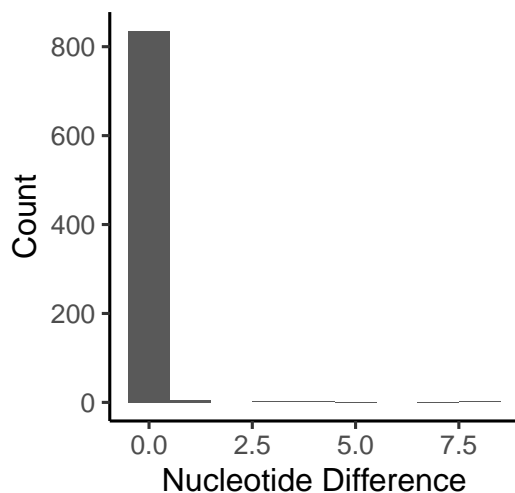
TRBV12-34*ap01

7491 sequences assigned
7397 (98.7%) exact matches, in which:
7333 unique CDR3
13 unique J



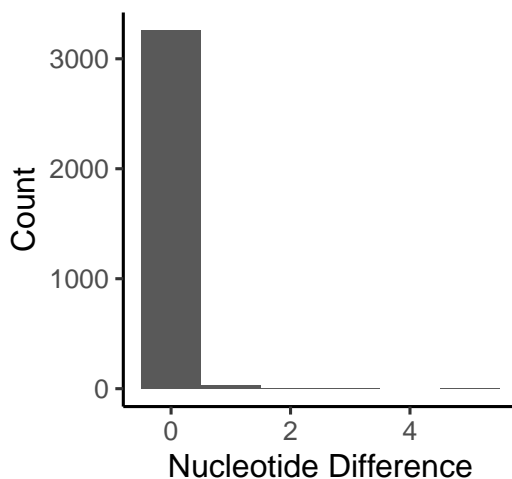
TRBV23-1*ap01

850 sequences assigned
836 (98.4%) exact matches, in which:
829 unique CDR3
13 unique J



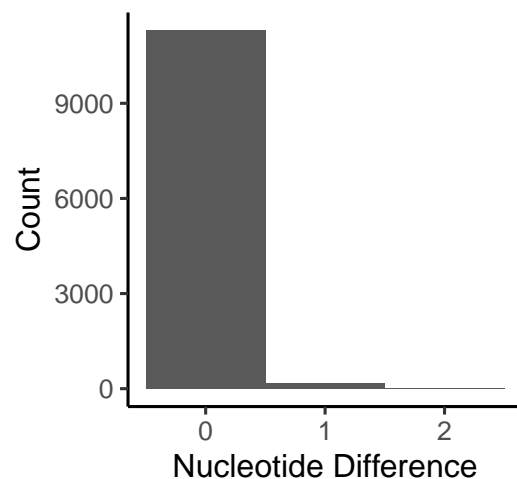
TRBV4-1*ap01

3293 sequences assigned
3258 (98.9%) exact matches, in which:
3217 unique CDR3
13 unique J



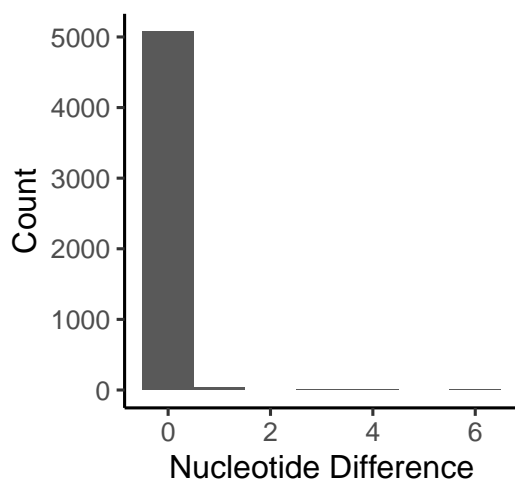
TRBV5-1*ap01

11459 sequences assigned
11299 (98.6%) exact matches, in which:
11173 unique CDR3
13 unique J



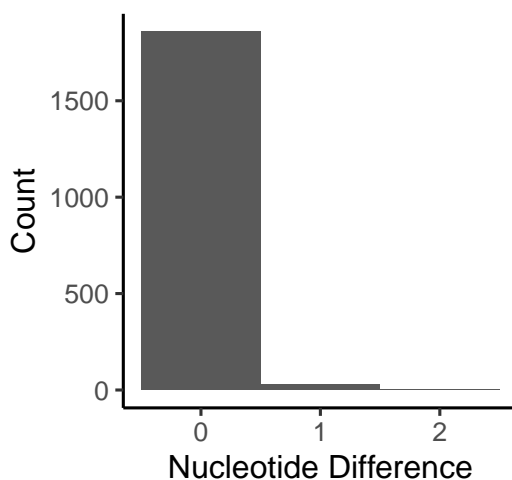
TRBV3-12*ap01

5118 sequences assigned
5074 (99.1%) exact matches, in which:
5048 unique CDR3
13 unique J



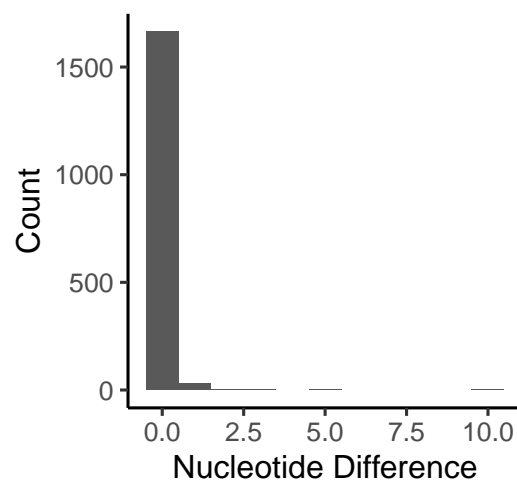
TRBV4-2*ap01

1885 sequences assigned
1858 (98.6%) exact matches, in which:
1839 unique CDR3
13 unique J



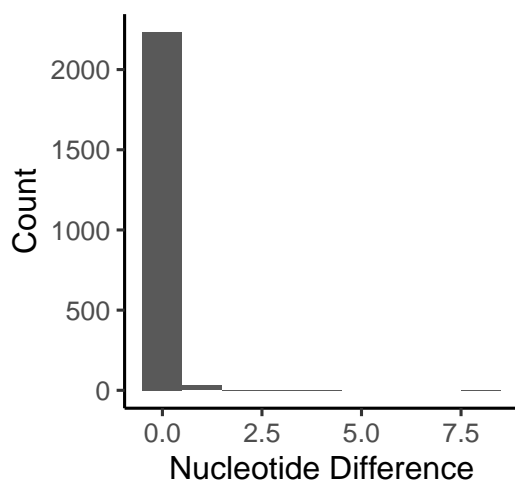
TRBV25-1*ap01

1697 sequences assigned
1664 (98.1%) exact matches, in which:
1651 unique CDR3
13 unique J



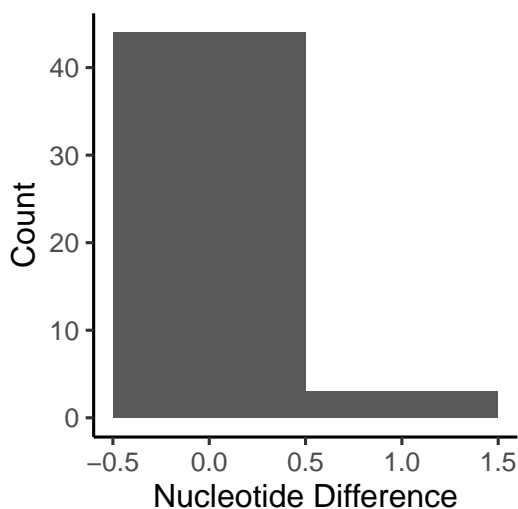
TRBV24-1*ap01

2270 sequences assigned
2234 (98.4%) exact matches, in which:
2212 unique CDR3
13 unique J



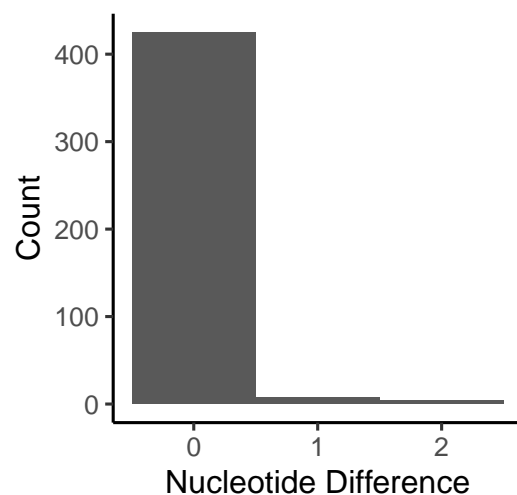
TRBV4-3*ap01

47 sequences assigned
44 (93.6%) exact matches, in which:
42 unique CDR3
12 unique J



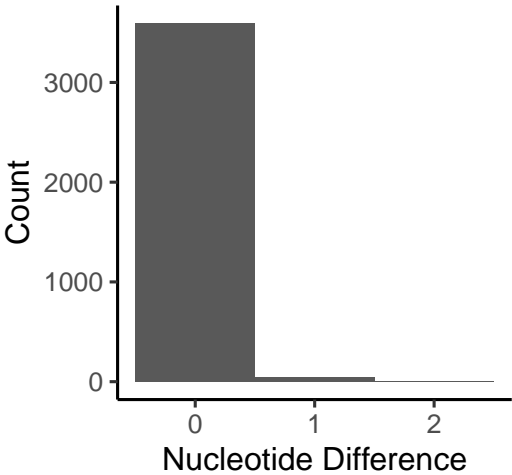
TRBV5-3*ap01

437 sequences assigned
425 (97.3%) exact matches, in which:
424 unique CDR3
13 unique J



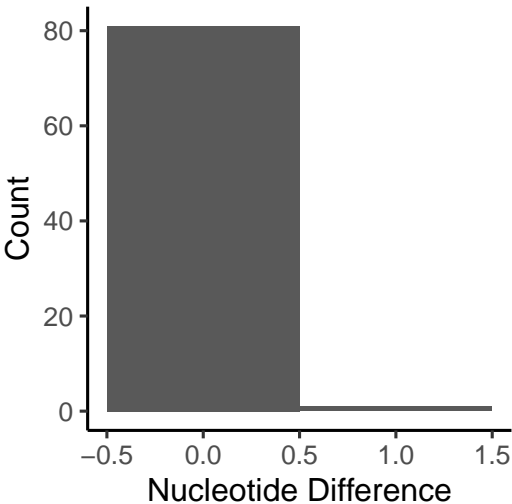
TRBV5-4*ap01

3635 sequences assigned
3592 (98.8%) exact matches, in which:
3564 unique CDR3
13 unique J



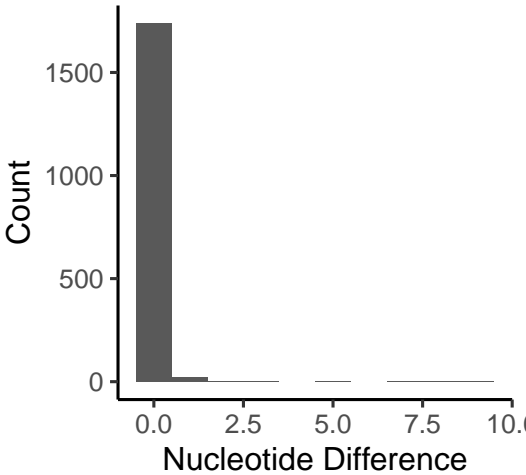
TRBV5-7*ap01

82 sequences assigned
81 (98.8%) exact matches, in which:
79 unique CDR3
12 unique J



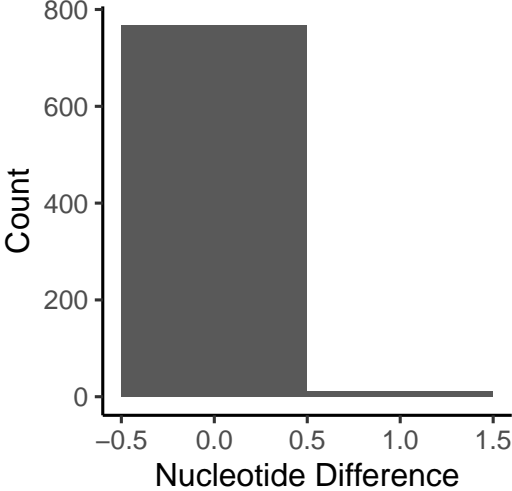
TRBV6-4*ap01

1769 sequences assigned
1738 (98.2%) exact matches, in which:
1726 unique CDR3
13 unique J



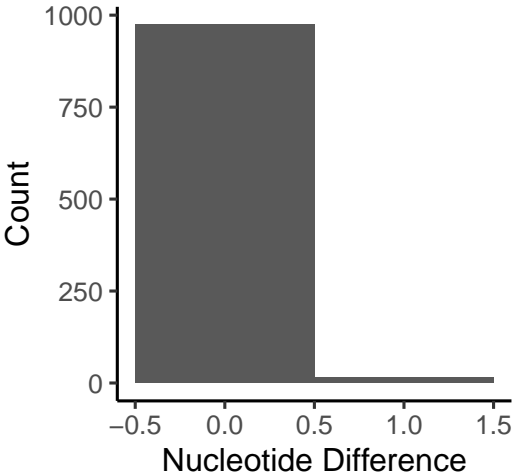
TRBV5-5*ap01

779 sequences assigned
768 (98.6%) exact matches, in which:
766 unique CDR3
13 unique J



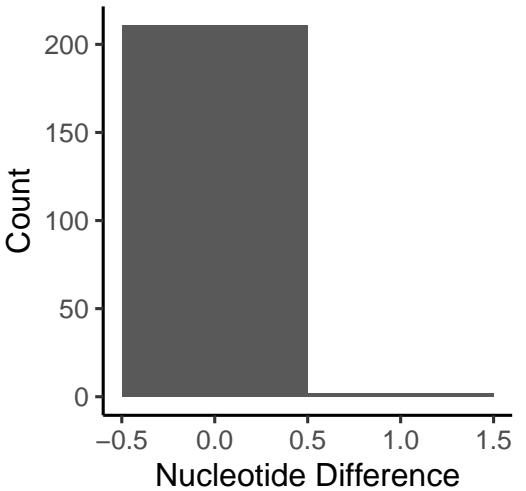
TRBV5-8*ap01

989 sequences assigned
974 (98.5%) exact matches, in which:
970 unique CDR3
13 unique J



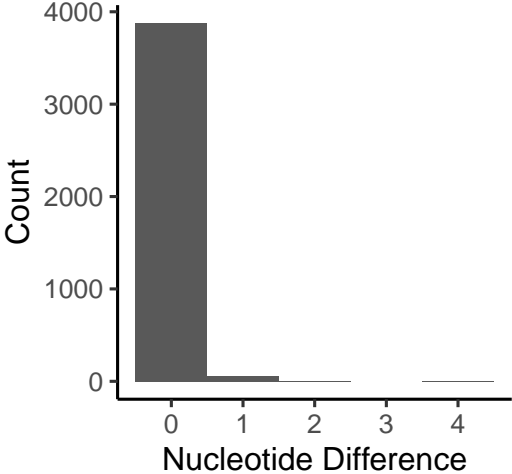
TRBV6-7*ap01

213 sequences assigned
211 (99.1%) exact matches, in which:
210 unique CDR3
13 unique J



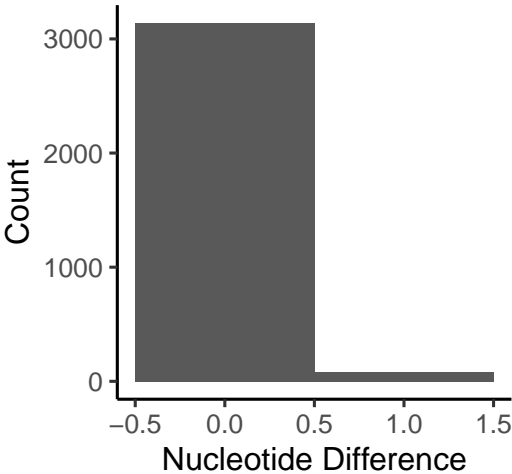
TRBV5-6*ap01

3941 sequences assigned
3878 (98.4%) exact matches, in which:
3816 unique CDR3
13 unique J



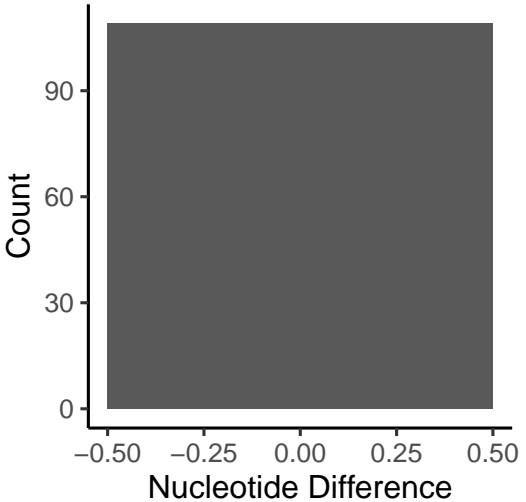
TRBV6-1*ap01

3220 sequences assigned
3139 (97.5%) exact matches, in which:
3103 unique CDR3
13 unique J



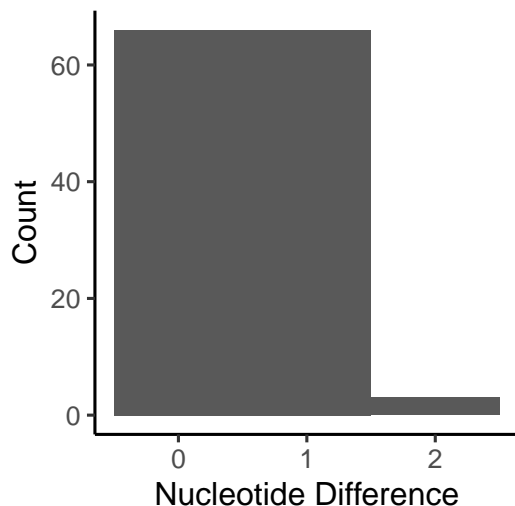
TRBV6-8*ap01

109 sequences assigned
109 (100%) exact matches, in which:
107 unique CDR3
13 unique J



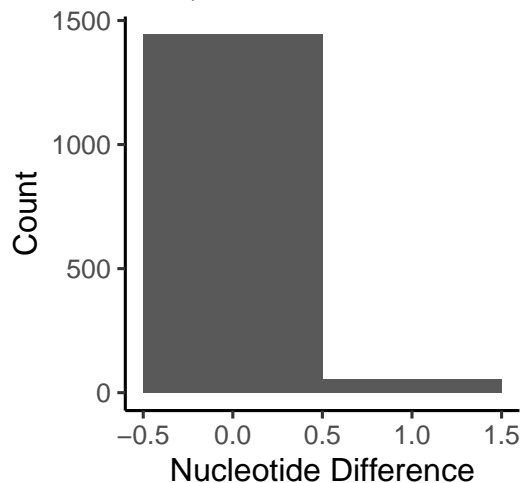
TRBV6–9*ap01

135 sequences assigned
66 (48.9%) exact matches, in which:
63 unique CDR3
13 unique J



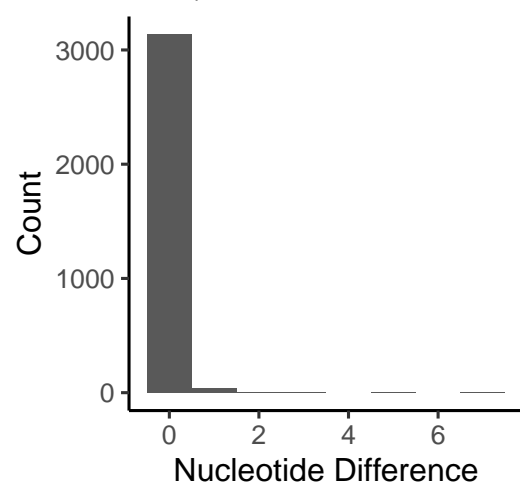
TRBV6–56*ap02

1497 sequences assigned
1444 (96.5%) exact matches, in which:
1422 unique CDR3
13 unique J



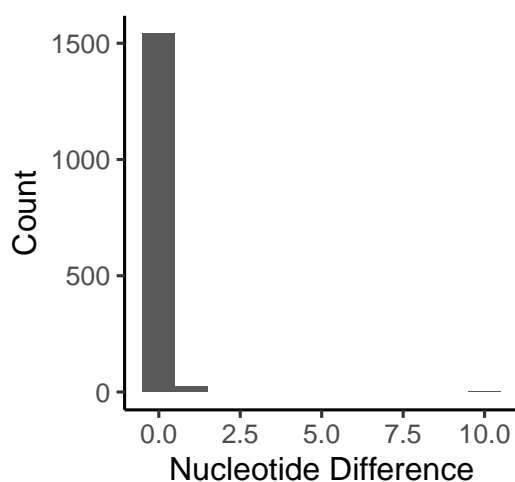
TRBV7–3*ap01

3182 sequences assigned
3136 (98.6%) exact matches, in which:
3115 unique CDR3
13 unique J



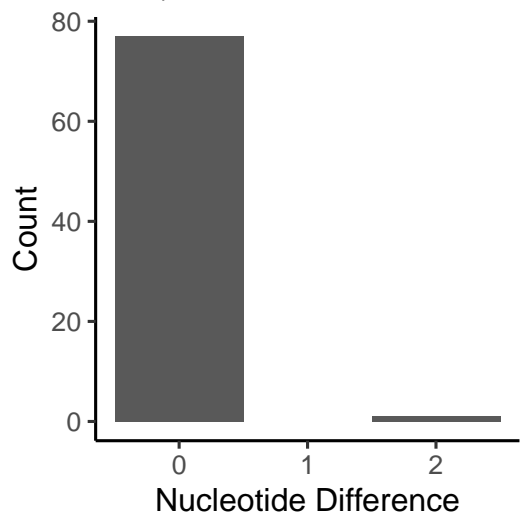
TRBV6–23*ap01

1564 sequences assigned
1541 (98.5%) exact matches, in which:
1517 unique CDR3
13 unique J



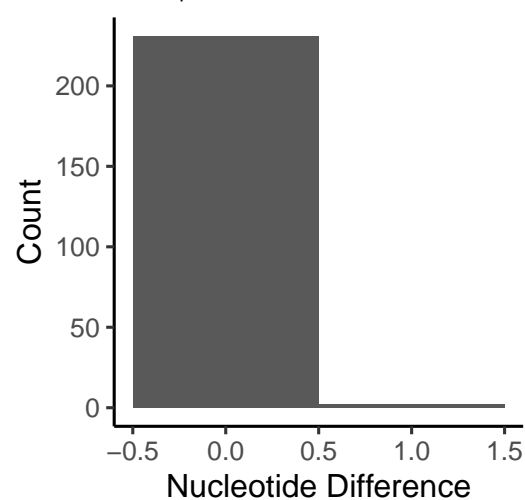
TRBV7–1*ap01_G291C_T

78 sequences assigned
77 (98.7%) exact matches, in which:
77 unique CDR3
13 unique J



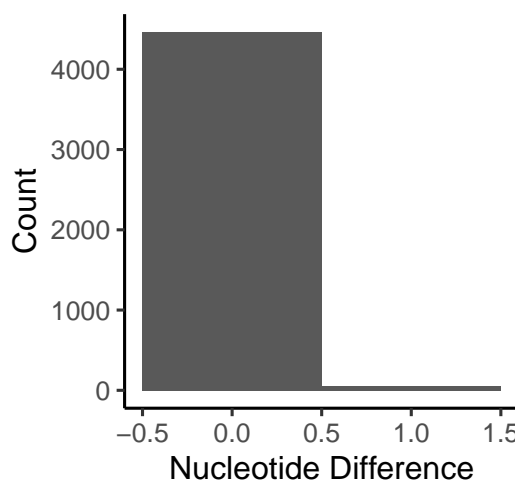
TRBV7–4*ap01

233 sequences assigned
231 (99.1%) exact matches, in which:
229 unique CDR3
13 unique J



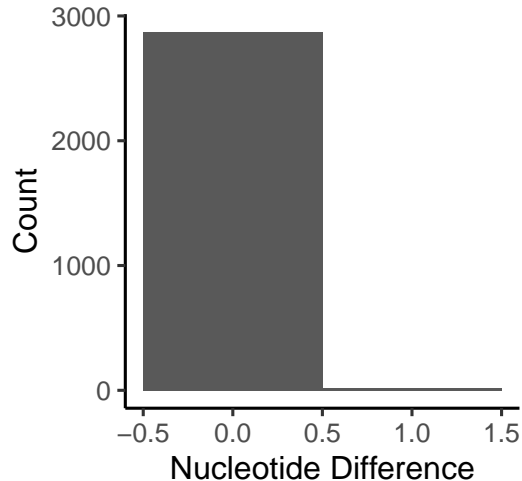
TRBV6–56*ap01

4518 sequences assigned
4464 (98.8%) exact matches, in which:
4410 unique CDR3
13 unique J



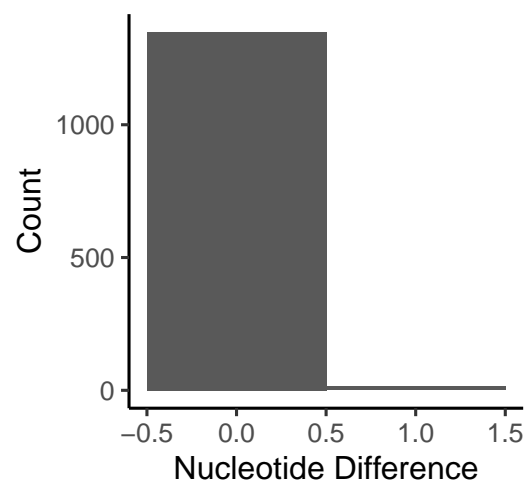
TRBV7–2*ap01

2890 sequences assigned
2871 (99.3%) exact matches, in which:
2849 unique CDR3
13 unique J



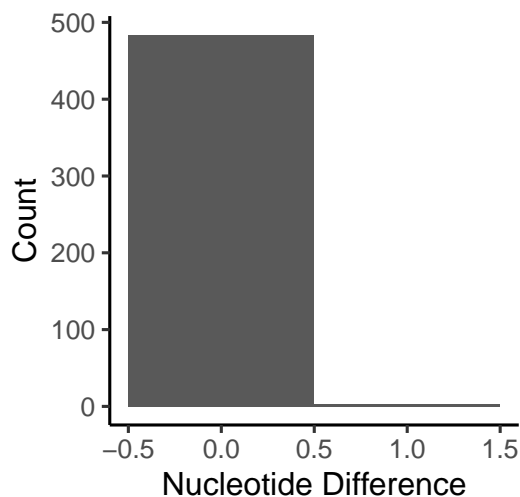
TRBV7–6*ap01

1363 sequences assigned
1349 (99%) exact matches, in which:
1343 unique CDR3
13 unique J



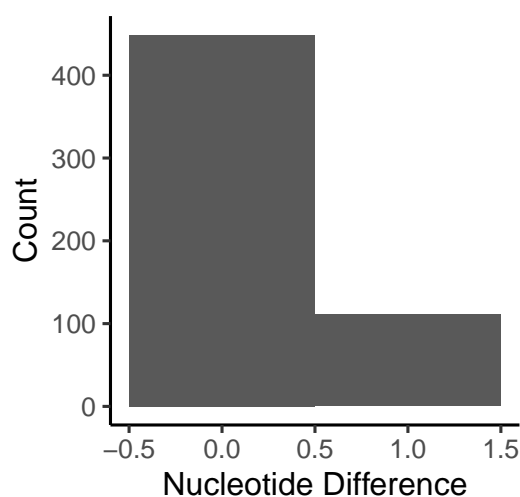
TRBV7-7*ap01

487 sequences assigned
484 (99.4%) exact matches, in which:
481 unique CDR3
13 unique J



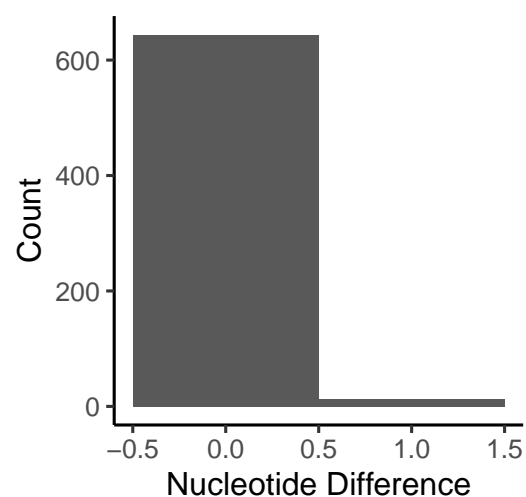
TRBV7-8*ap03

560 sequences assigned
449 (80.2%) exact matches, in which:
444 unique CDR3
13 unique J



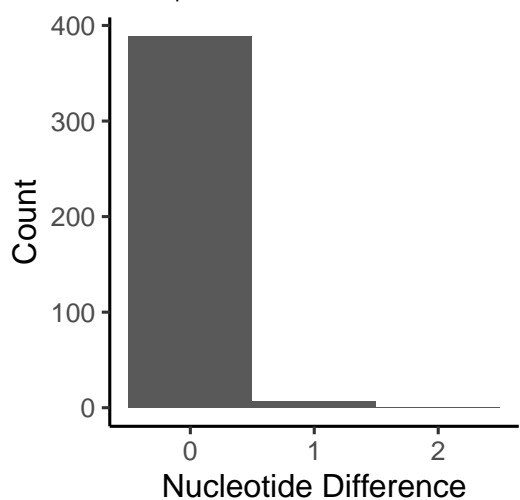
TRBV29-1*ap02

657 sequences assigned
644 (98%) exact matches, in which:
635 unique CDR3
13 unique J



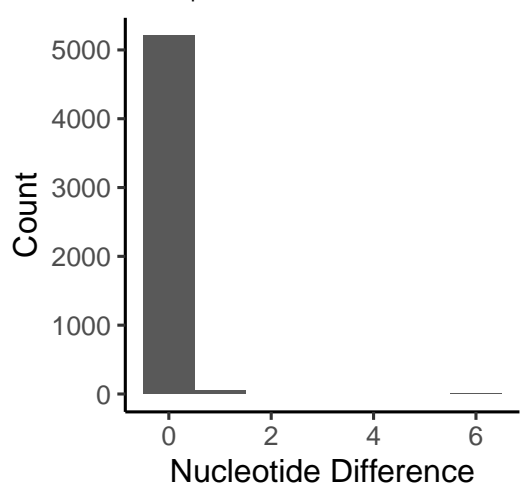
TRBV7-7*ap01_C315T

397 sequences assigned
389 (98%) exact matches, in which:
385 unique CDR3
13 unique J



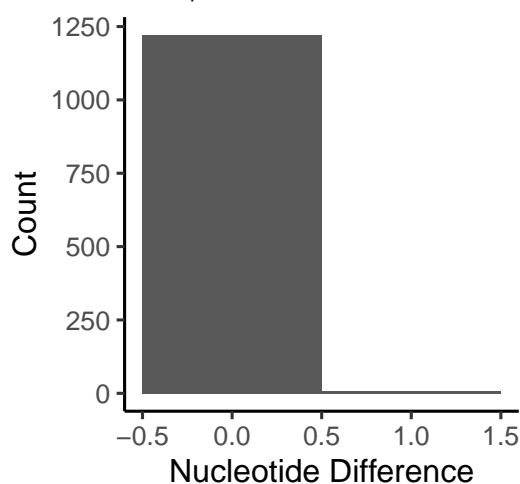
TRBV7-9*ap01

5262 sequences assigned
5206 (98.9%) exact matches, in which:
5164 unique CDR3
13 unique J



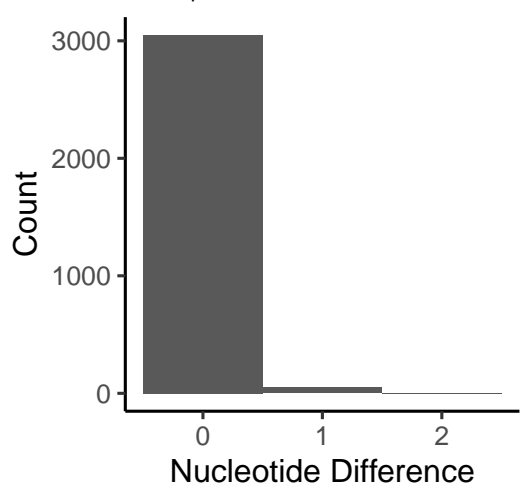
TRBV7-8*ap01

1229 sequences assigned
1221 (99.3%) exact matches, in which:
1208 unique CDR3
13 unique J

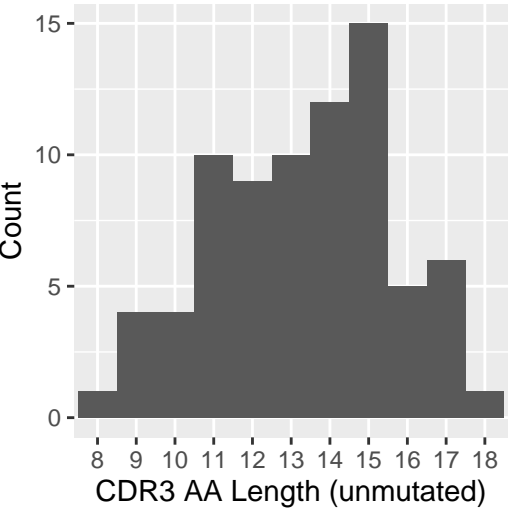


TRBV29-1*ap01

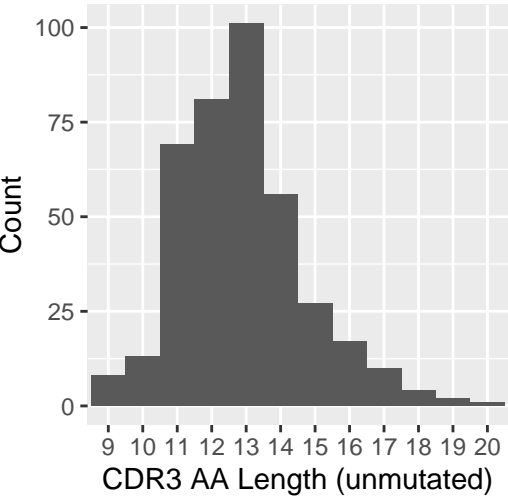
3100 sequences assigned
3049 (98.4%) exact matches, in which:
3009 unique CDR3
13 unique J

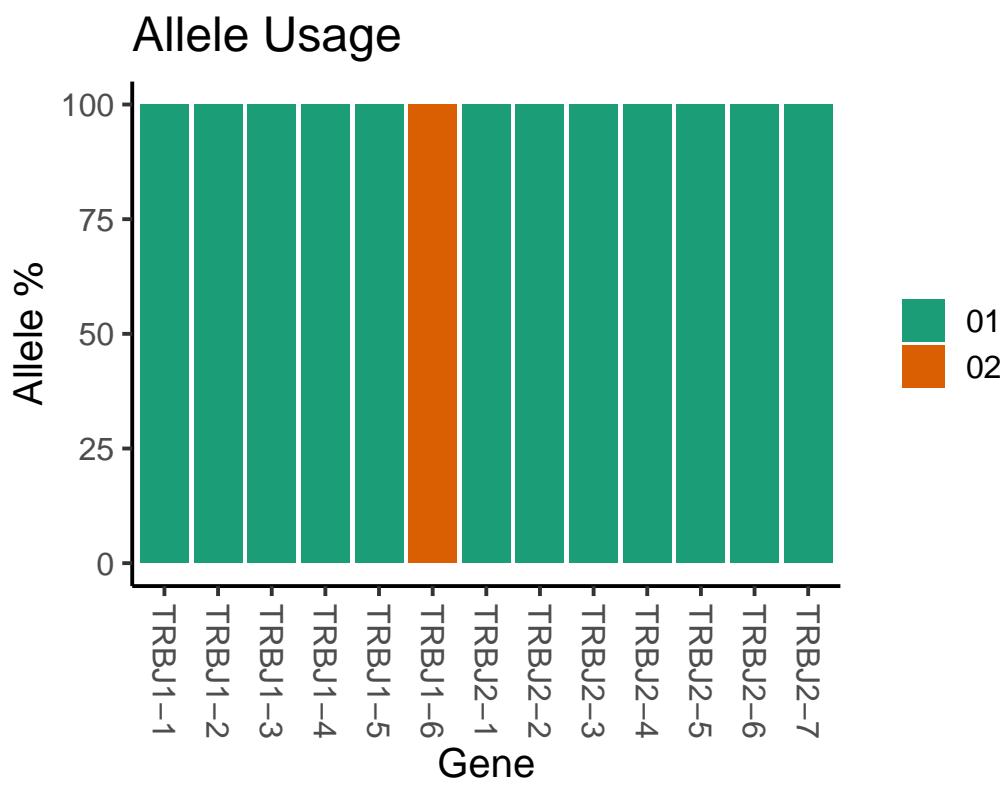


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]