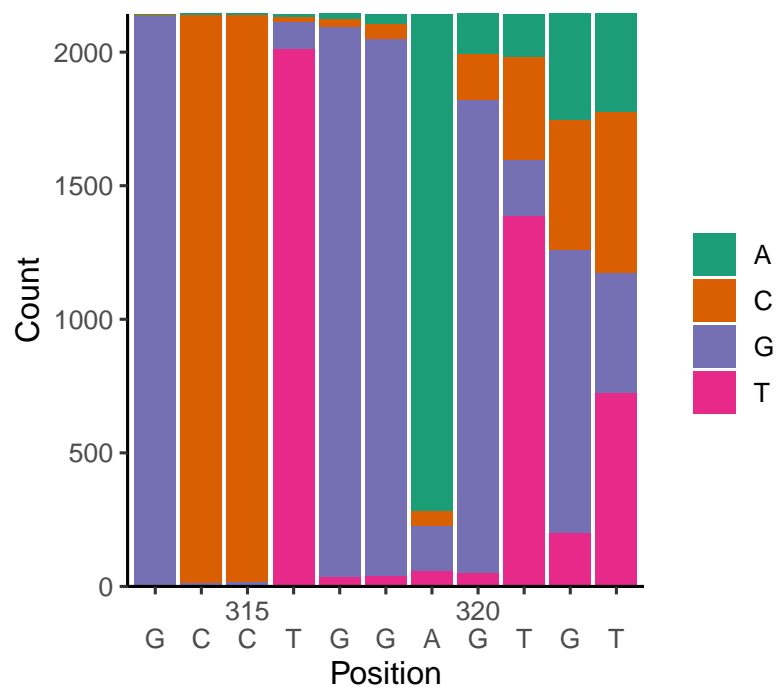
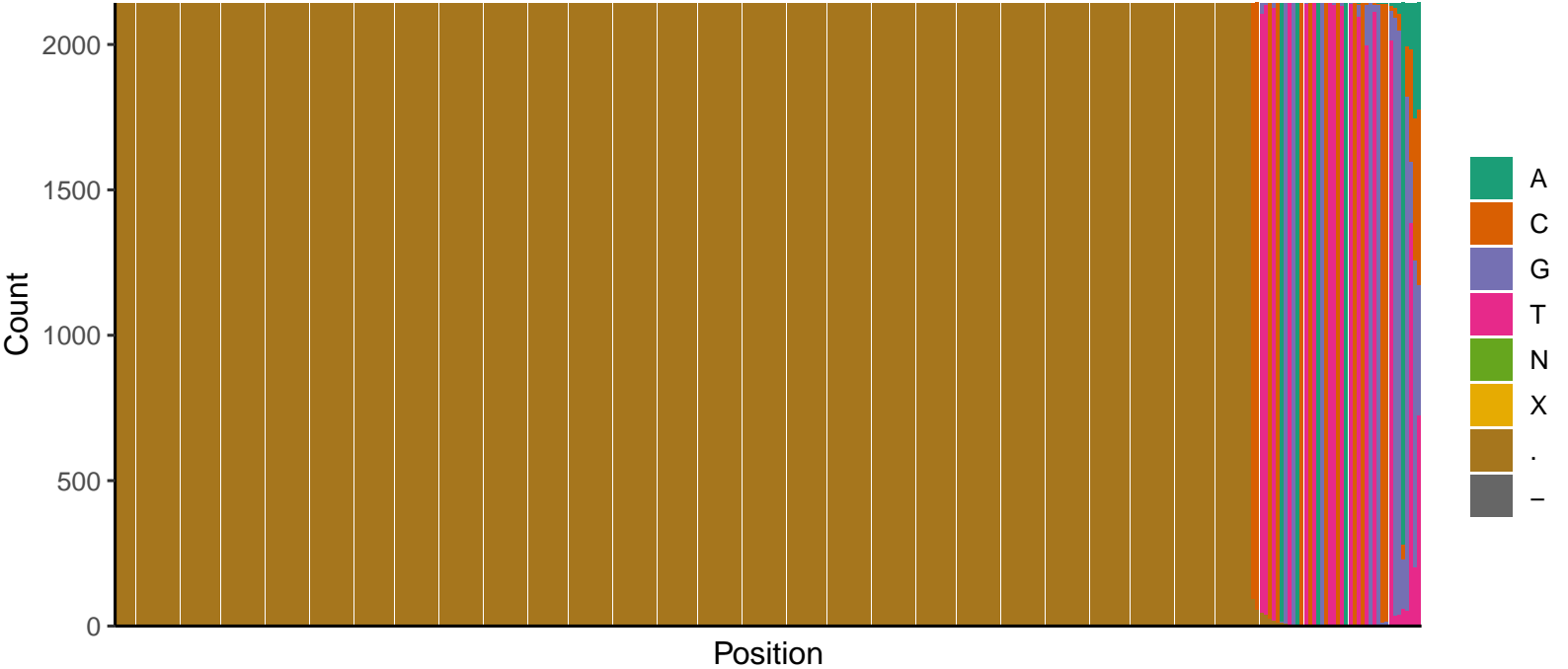


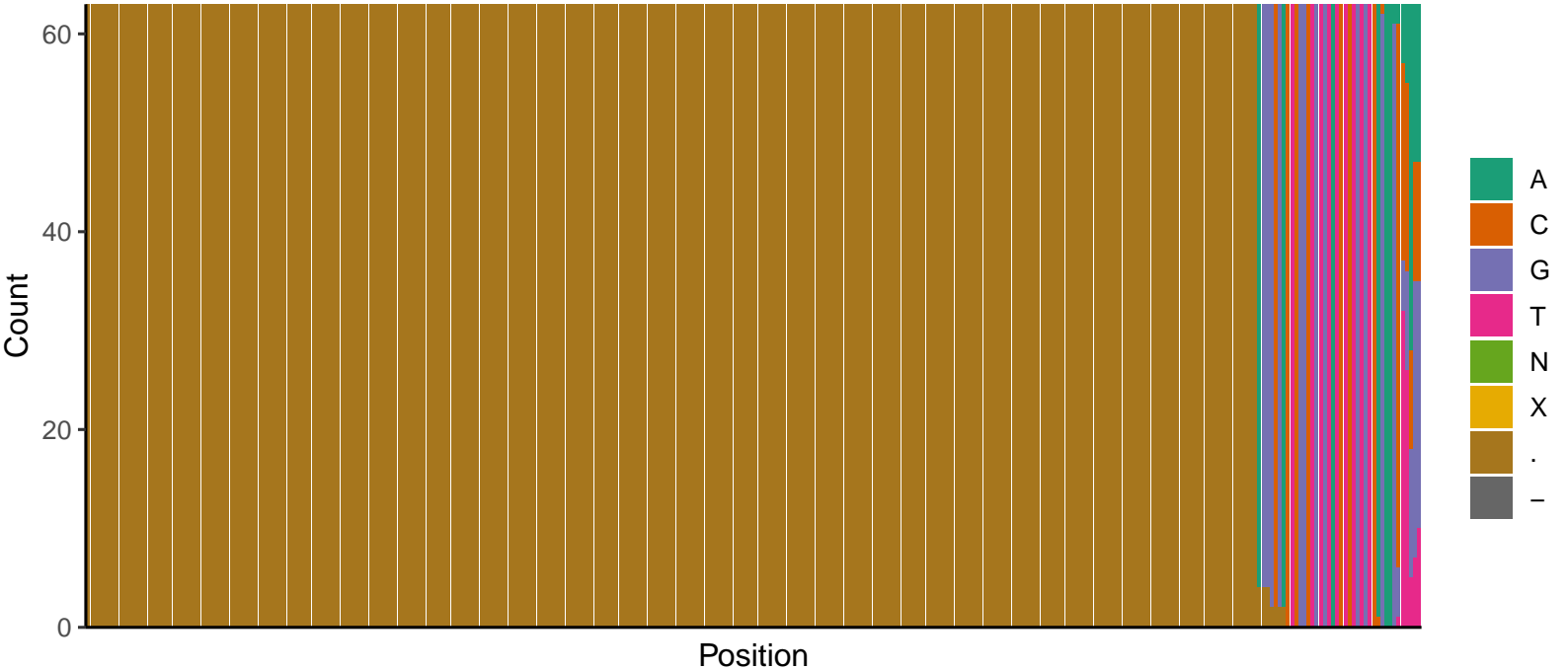
Gene TRBV30*ap01_G298A



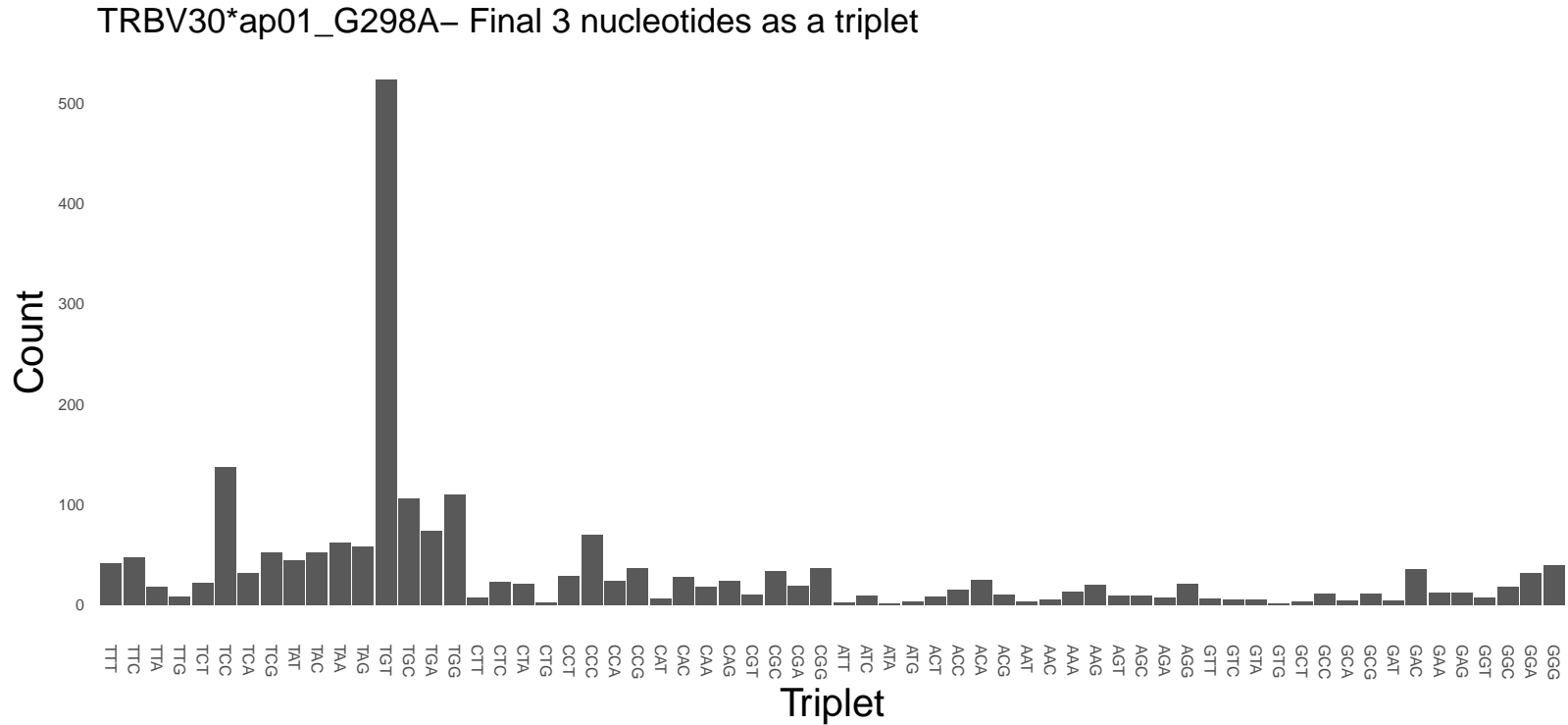
Gene TRBV30*ap01_G298A



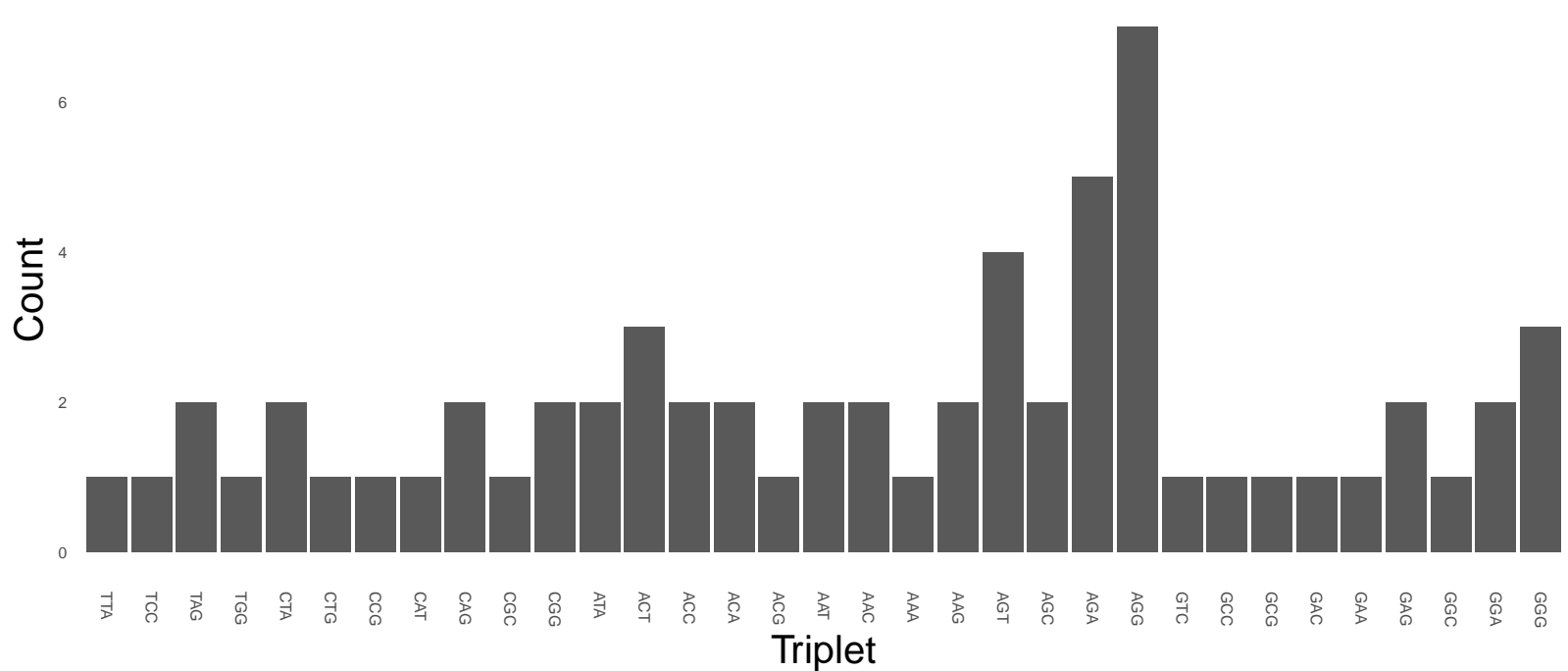
Gene TRBV7-1*ap01_G291C_T296C_C314T



TRBV30*ap01_G298A– Final 3 nucleotides as a triplet

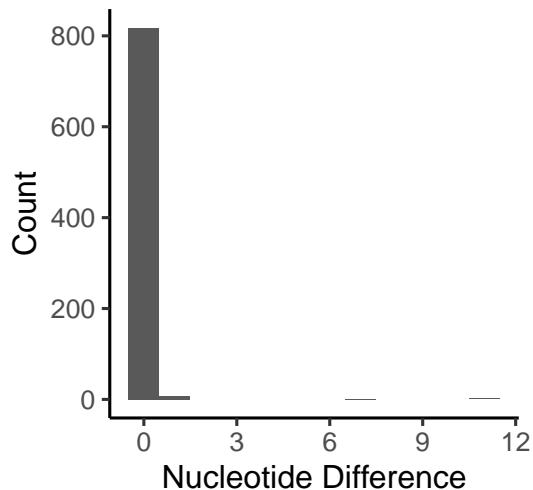


TRBV7-1*ap01_G291C_T296C_C314T– Final 3 nucleotides as a triplet



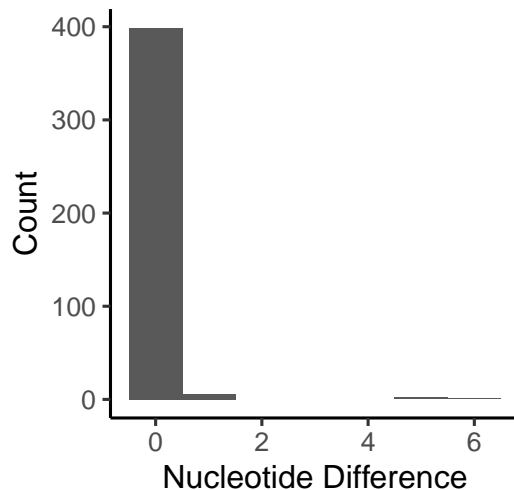
TRBV10–1*ap01

828 sequences assigned
818 (98.8%) exact matches, in which:
813 unique CDR3
13 unique J



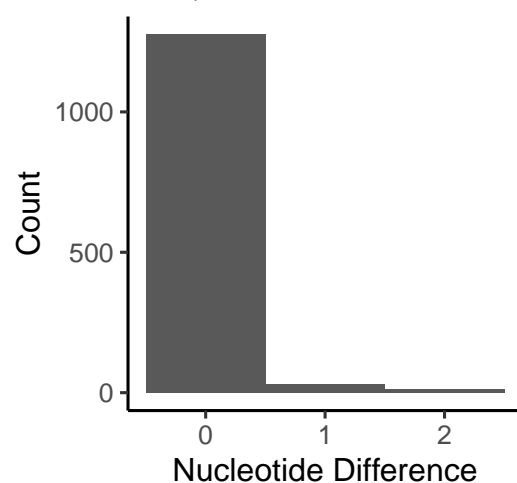
TRBV10–2*ap01

408 sequences assigned
399 (97.8%) exact matches, in which:
397 unique CDR3
13 unique J



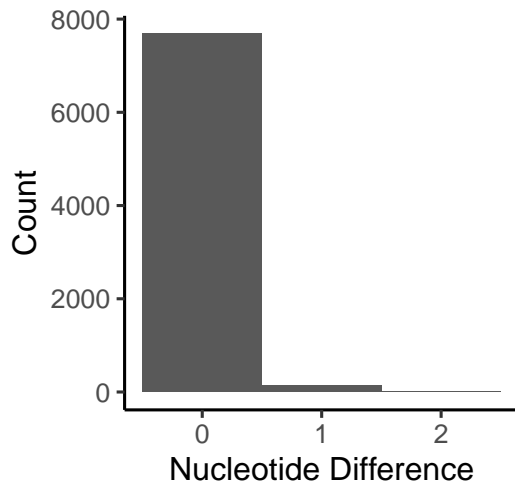
TRBV13*ap01

1318 sequences assigned
1276 (96.8%) exact matches, in which:
1256 unique CDR3
13 unique J



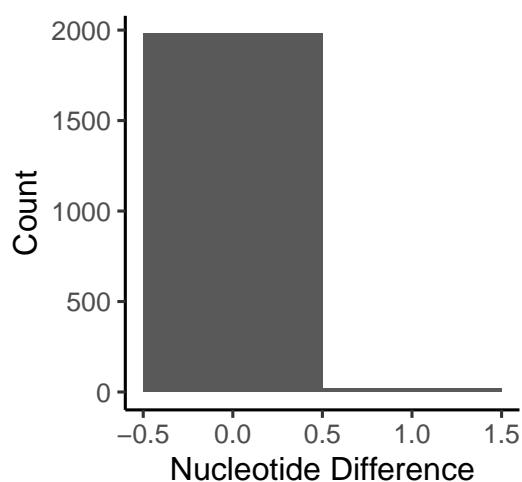
TRBV20–1*ap01

7832 sequences assigned
7686 (98.1%) exact matches, in which:
7465 unique CDR3
14 unique J



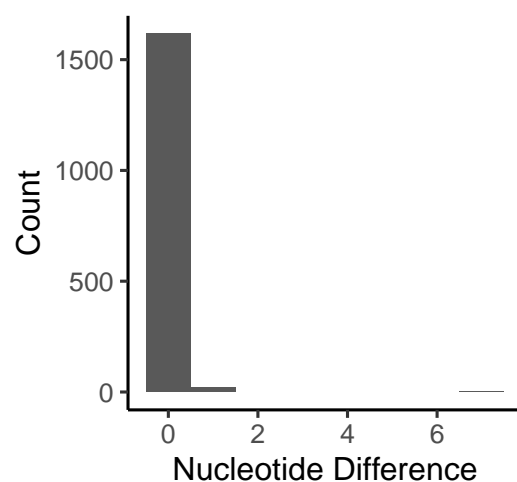
TRBV10–3*ap01

2002 sequences assigned
1980 (98.9%) exact matches, in which:
1965 unique CDR3
13 unique J



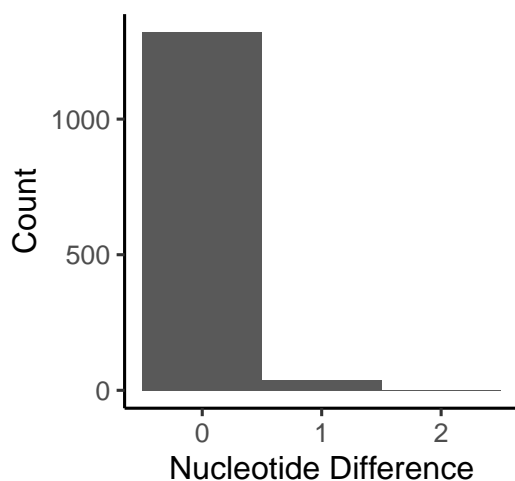
TRBV14*ap01

1640 sequences assigned
1617 (98.6%) exact matches, in which:
1599 unique CDR3
13 unique J



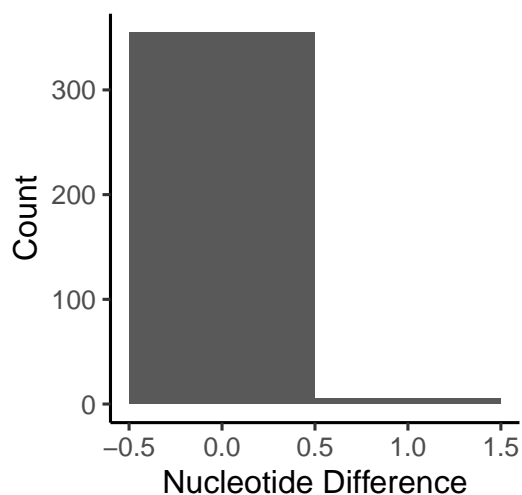
TRBV20–1*ap02

1360 sequences assigned
1321 (97.1%) exact matches, in which:
1269 unique CDR3
13 unique J



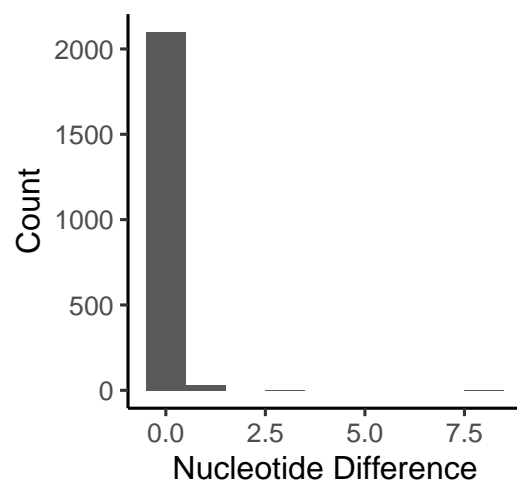
TRBV1*ap01

360 sequences assigned
355 (98.6%) exact matches, in which:
348 unique CDR3
13 unique J



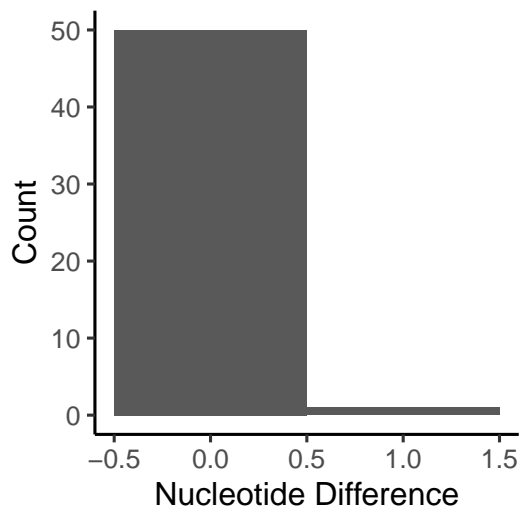
TRBV15*ap02

2134 sequences assigned
2099 (98.4%) exact matches, in which:
2076 unique CDR3
13 unique J



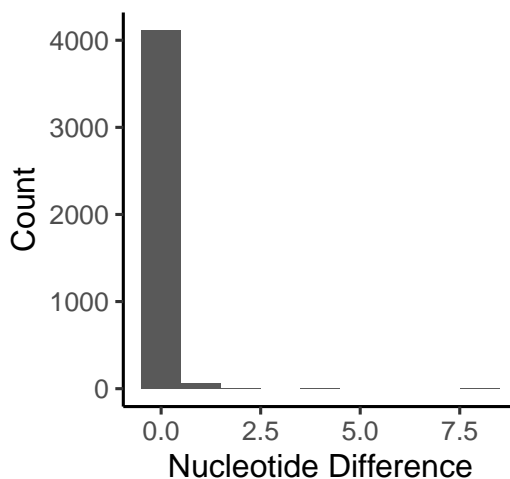
TRBV16*ap01

51 sequences assigned
50 (98%) exact matches, in which:
50 unique CDR3
9 unique J



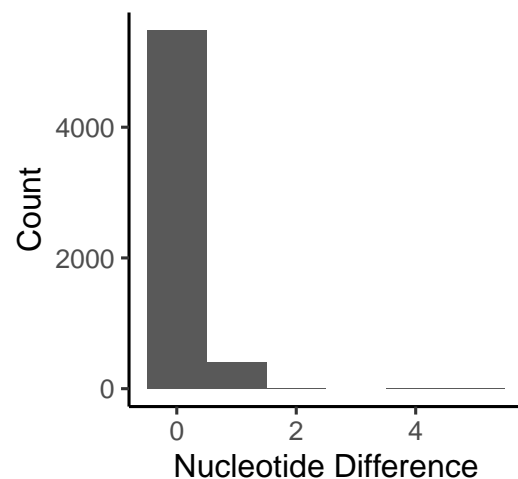
TRBV2*ap01

4183 sequences assigned
4113 (98.3%) exact matches, in which:
4079 unique CDR3
13 unique J



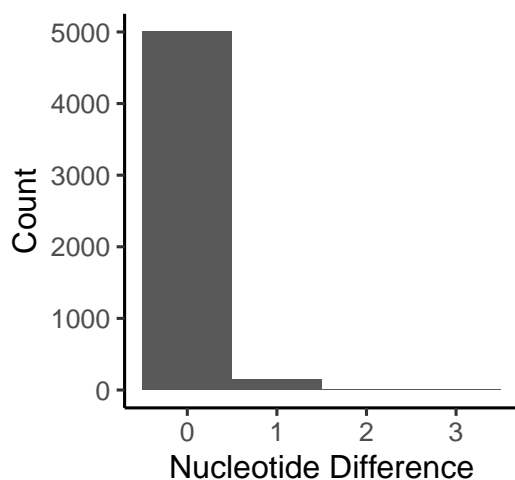
TRBV30*ap01

5892 sequences assigned
5481 (93%) exact matches, in which:
5133 unique CDR3
14 unique J



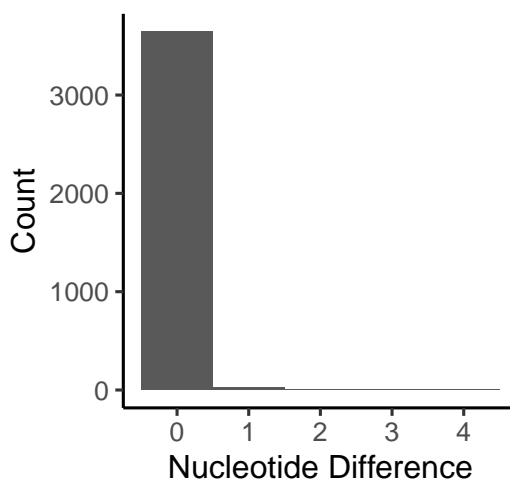
TRBV18*ap01

5151 sequences assigned
5003 (97.1%) exact matches, in which:
4888 unique CDR3
13 unique J



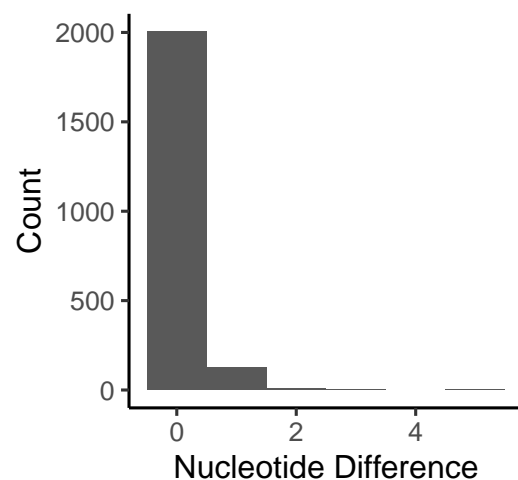
TRBV27*ap01

3672 sequences assigned
3644 (99.2%) exact matches, in which:
3615 unique CDR3
13 unique J



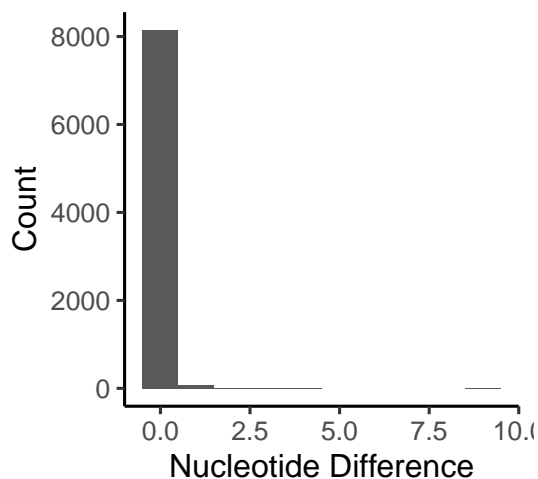
TRBV30*ap01_G298A

2143 sequences assigned
2004 (93.5%) exact matches, in which:
1849 unique CDR3
13 unique J



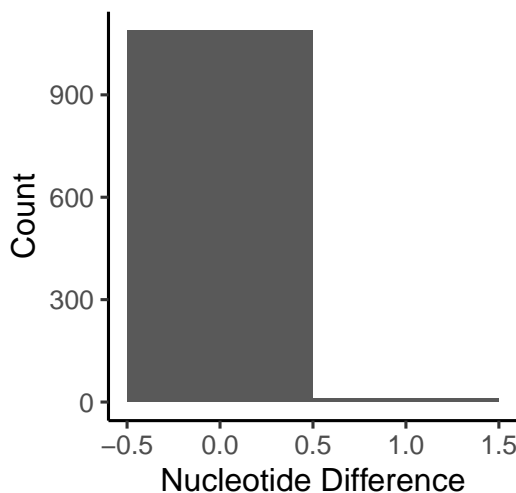
TRBV19*ap01

8230 sequences assigned
8147 (99%) exact matches, in which:
8044 unique CDR3
13 unique J



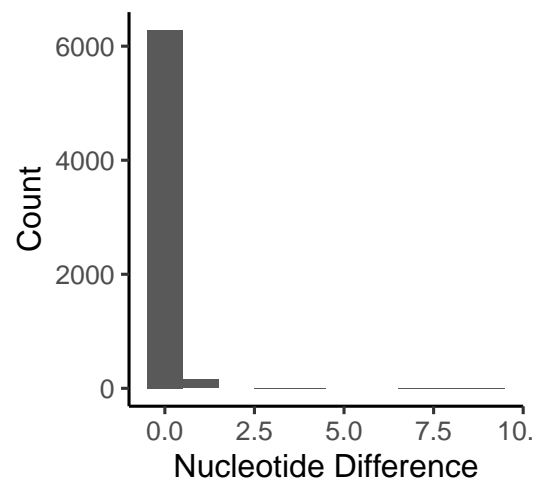
TRBV28*ap01

1099 sequences assigned
1089 (99.1%) exact matches, in which:
1074 unique CDR3
13 unique J



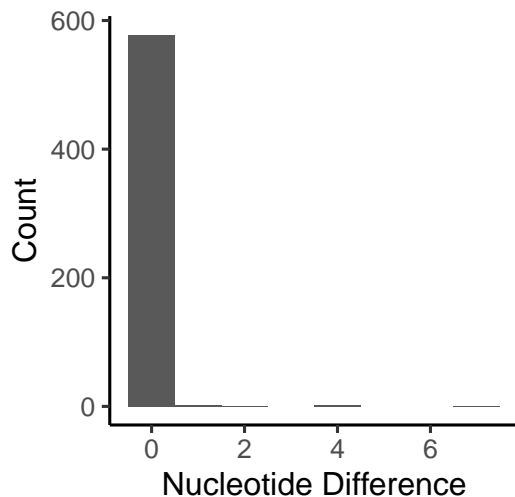
TRBV9*ap01

6445 sequences assigned
6283 (97.5%) exact matches, in which:
6204 unique CDR3
13 unique J



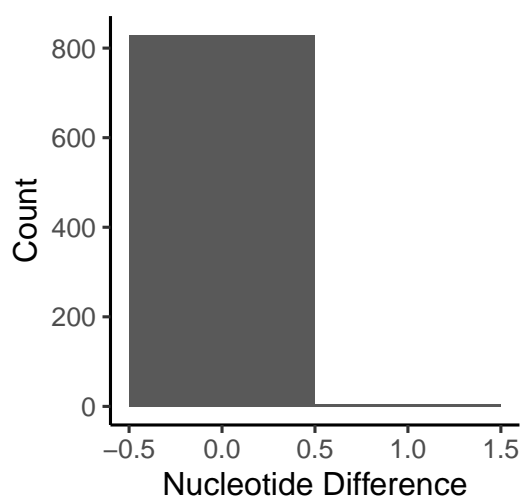
TRBV21–1*ap01

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



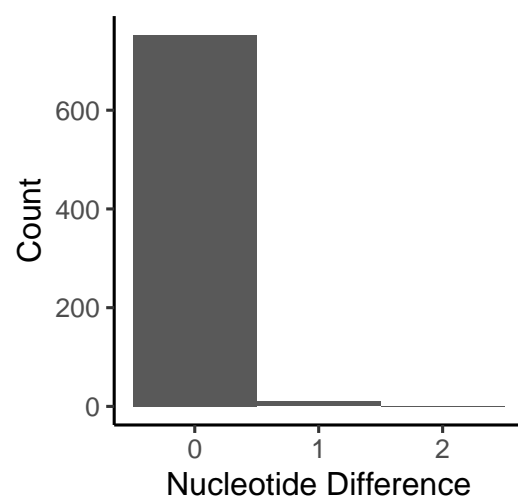
TRBV11–3*ap01

835 sequences assigned
830 (99.4%) exact matches, in which:
825 unique CDR3
13 unique J



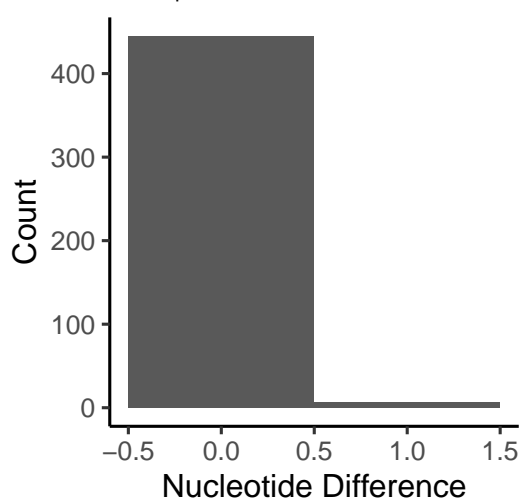
TRBV12–5*ap01

764 sequences assigned
753 (98.6%) exact matches, in which:
742 unique CDR3
13 unique J



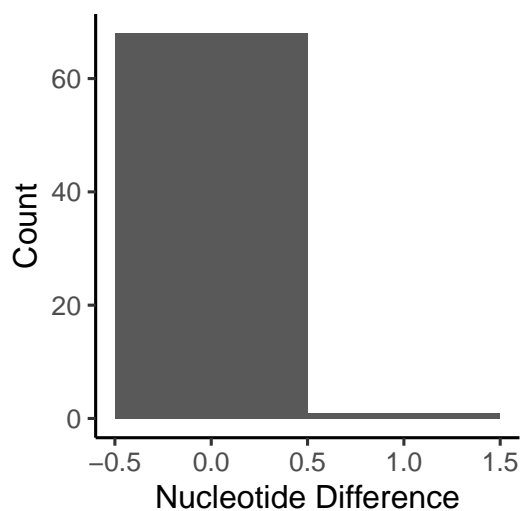
TRBV11–1*ap01

452 sequences assigned
445 (98.5%) exact matches, in which:
442 unique CDR3
13 unique J



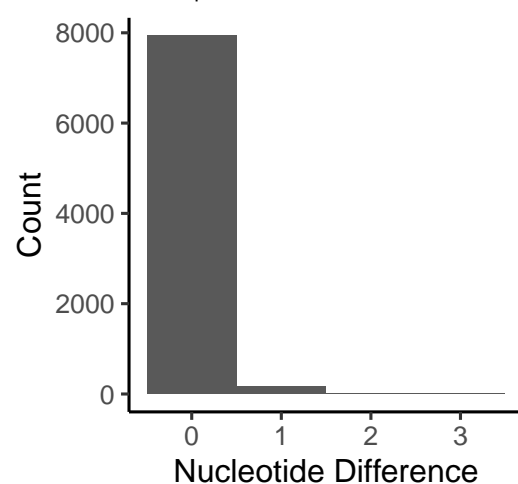
TRBV12–1*ap01

69 sequences assigned
68 (98.6%) exact matches, in which:
68 unique CDR3
12 unique J



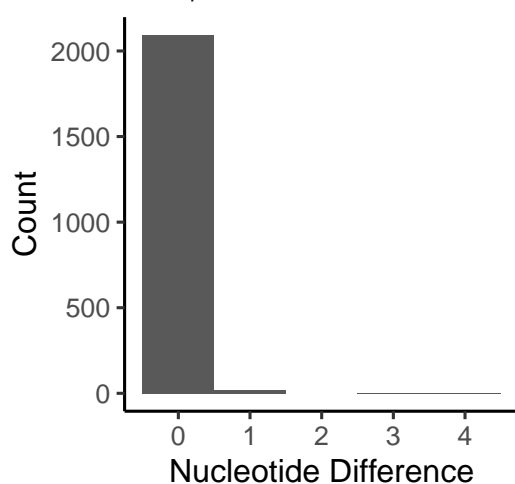
TRBV12–34*ap01

8104 sequences assigned
7935 (97.9%) exact matches, in which:
7842 unique CDR3
13 unique J



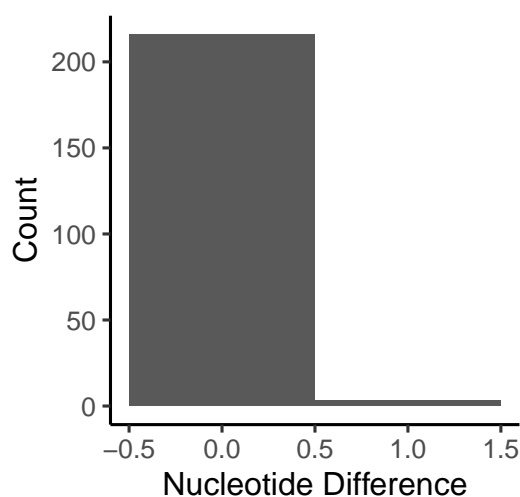
TRBV11–2*ap01

2113 sequences assigned
2093 (99.1%) exact matches, in which:
2067 unique CDR3
13 unique J



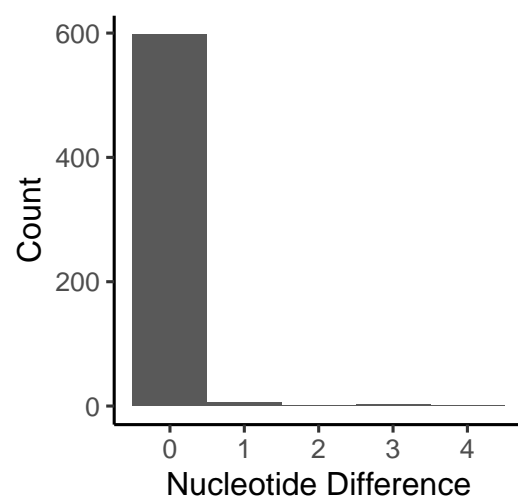
TRBV12–2*ap01

219 sequences assigned
216 (98.6%) exact matches, in which:
216 unique CDR3
13 unique J



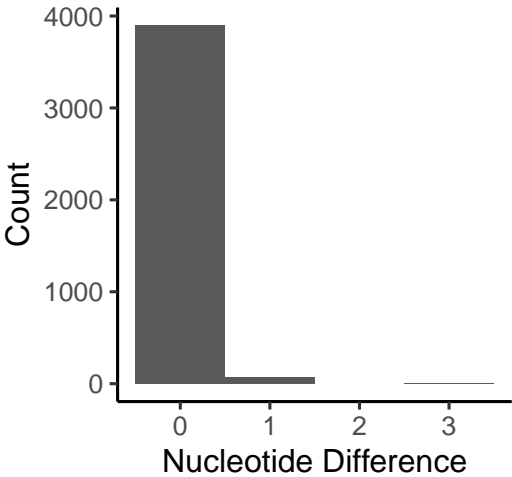
TRBV23–1*ap01

607 sequences assigned
598 (98.5%) exact matches, in which:
593 unique CDR3
13 unique J



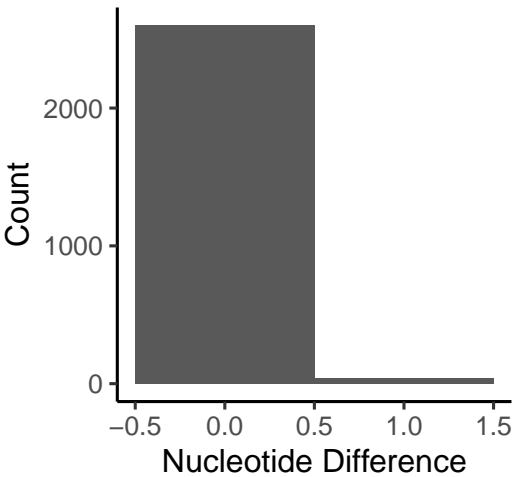
TRBV3-12*ap01

3966 sequences assigned
3898 (98.3%) exact matches, in which:
3872 unique CDR3
13 unique J



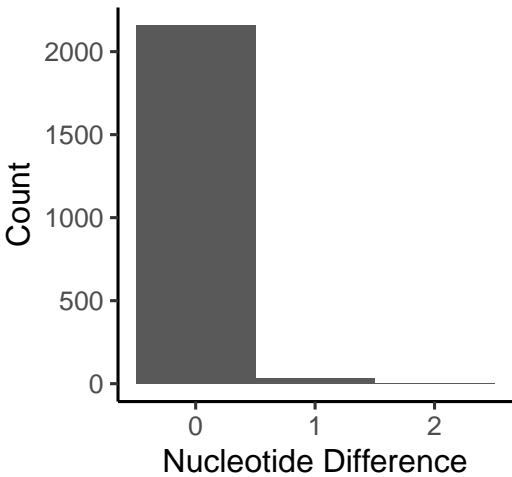
TRBV4-2*ap01

2640 sequences assigned
2600 (98.5%) exact matches, in which:
2545 unique CDR3
13 unique J



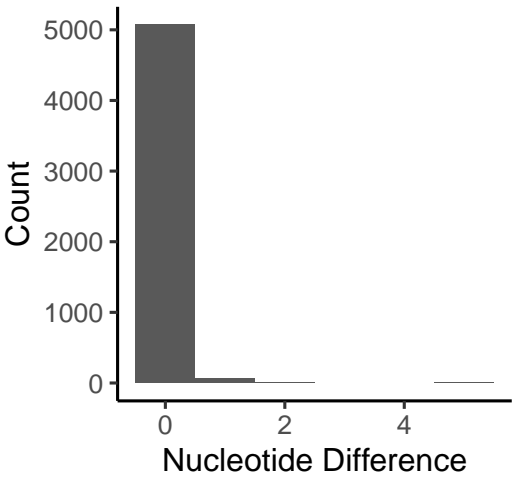
TRBV25-1*ap01

2196 sequences assigned
2158 (98.3%) exact matches, in which:
2122 unique CDR3
13 unique J



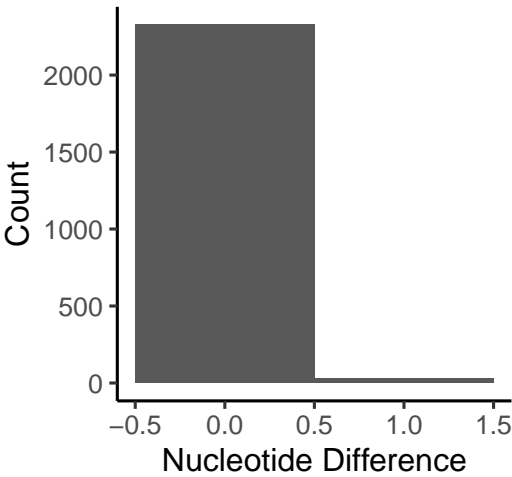
TRBV4-1*ap01

5134 sequences assigned
5072 (98.8%) exact matches, in which:
4952 unique CDR3
13 unique J



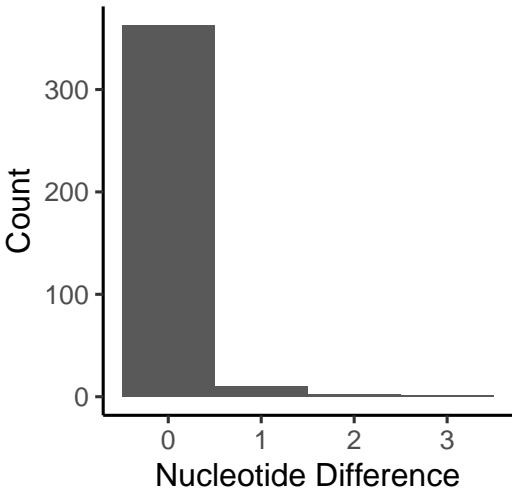
TRBV4-3*ap01

2357 sequences assigned
2327 (98.7%) exact matches, in which:
2273 unique CDR3
13 unique J



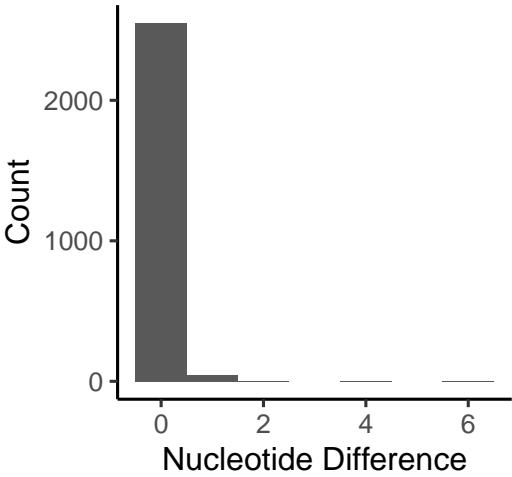
TRBV5-3*ap01

376 sequences assigned
363 (96.5%) exact matches, in which:
358 unique CDR3
13 unique J



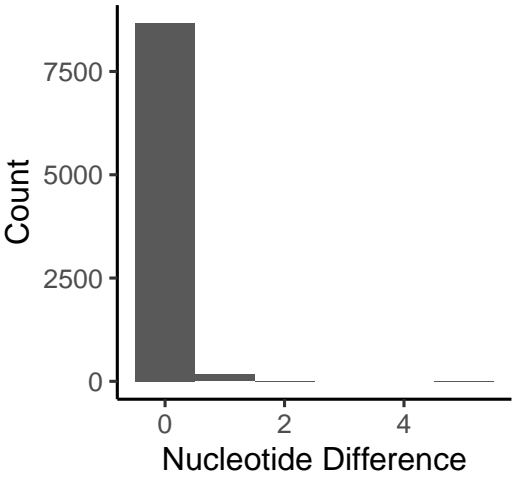
TRBV24-1*ap01

2601 sequences assigned
2550 (98%) exact matches, in which:
2496 unique CDR3
13 unique J



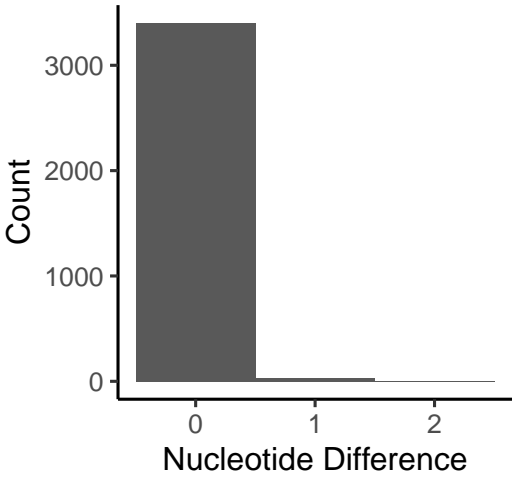
TRBV5-1*ap01

8843 sequences assigned
8672 (98.1%) exact matches, in which:
8498 unique CDR3
13 unique J



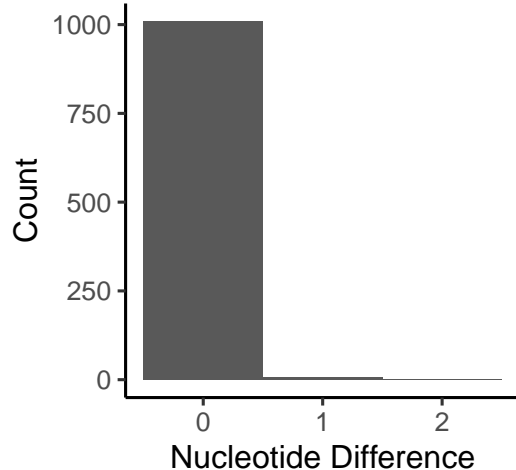
TRBV5-4*ap01

3437 sequences assigned
3401 (99%) exact matches, in which:
3362 unique CDR3
13 unique J



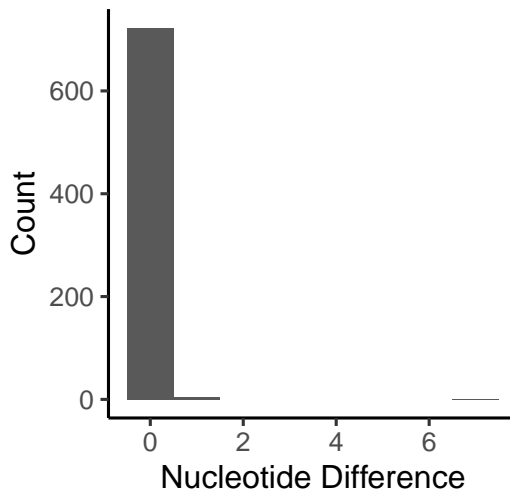
TRBV5-5*ap01

1018 sequences assigned
1009 (99.1%) exact matches, in which:
997 unique CDR3
13 unique J



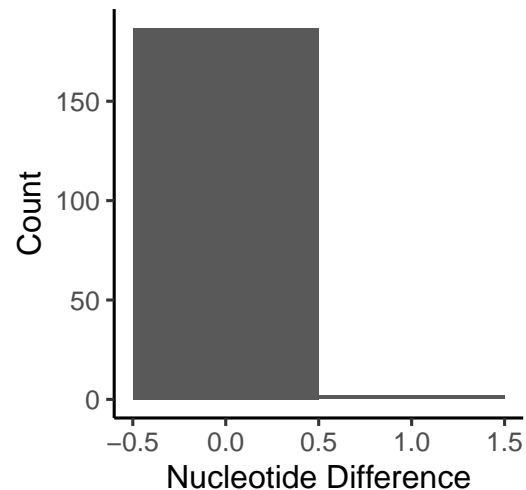
TRBV5-8*ap01

729 sequences assigned
723 (99.2%) exact matches, in which:
721 unique CDR3
13 unique J



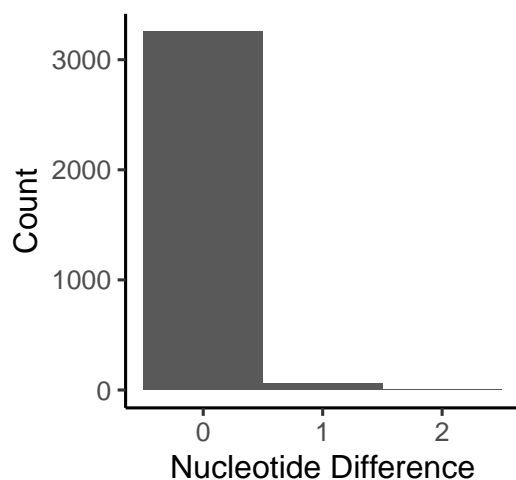
TRBV6-7*ap01

189 sequences assigned
187 (98.9%) exact matches, in which:
183 unique CDR3
11 unique J



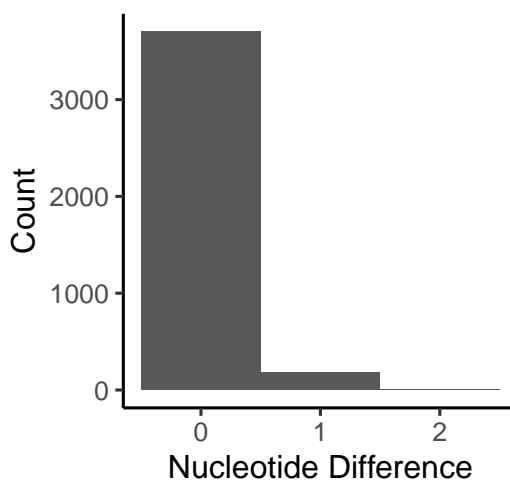
TRBV5-6*ap01

3312 sequences assigned
3254 (98.2%) exact matches, in which:
3150 unique CDR3
13 unique J



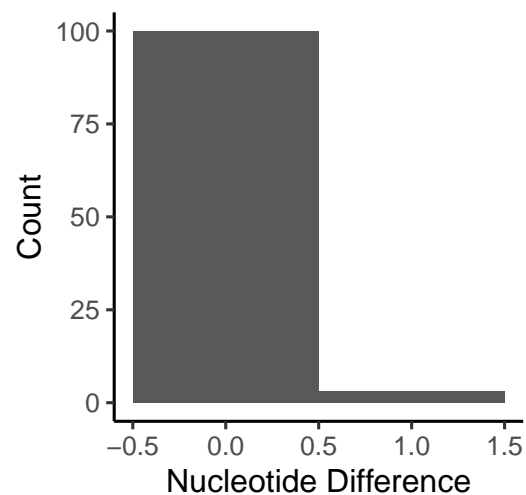
TRBV6-1*ap01

3889 sequences assigned
3701 (95.2%) exact matches, in which:
3644 unique CDR3
13 unique J



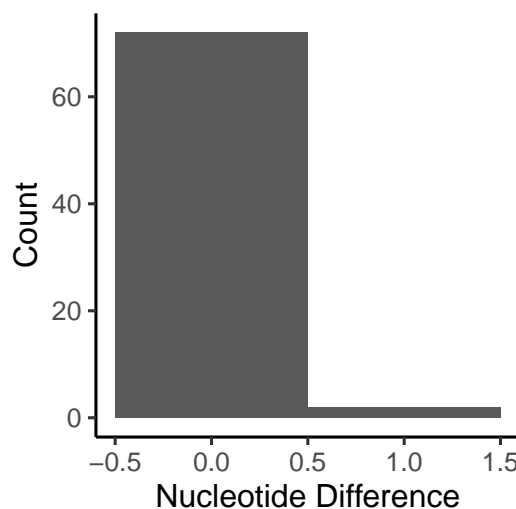
TRBV6-8*ap01

103 sequences assigned
100 (97.1%) exact matches, in which:
99 unique CDR3
13 unique J



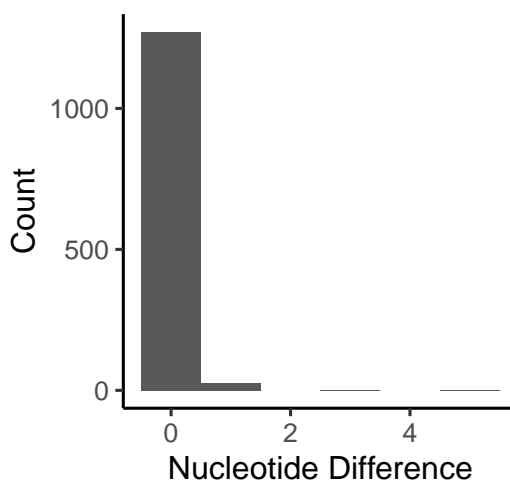
TRBV5-7*ap01

74 sequences assigned
72 (97.3%) exact matches, in which:
71 unique CDR3
12 unique J



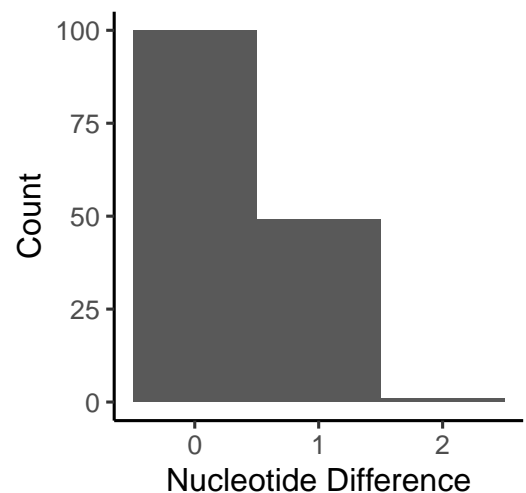
TRBV6-4*ap01

1298 sequences assigned
1271 (97.9%) exact matches, in which:
1252 unique CDR3
13 unique J



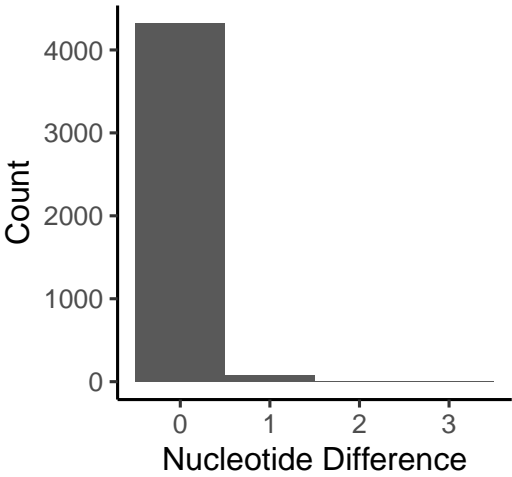
TRBV6-9*ap01

150 sequences assigned
100 (66.7%) exact matches, in which:
98 unique CDR3
11 unique J



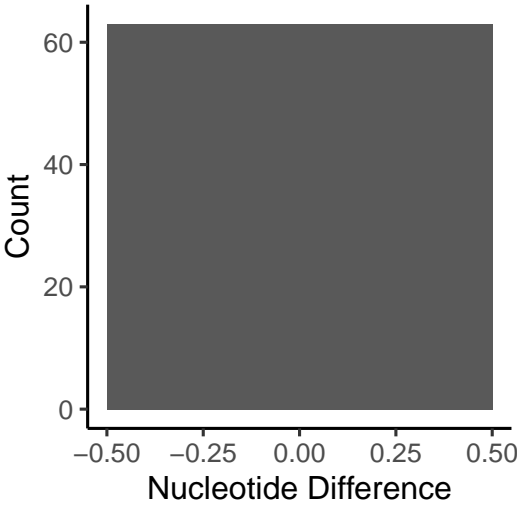
TRBV6-23*ap01

4405 sequences assigned
4320 (98.1%) exact matches, in which:
4241 unique CDR3
13 unique J



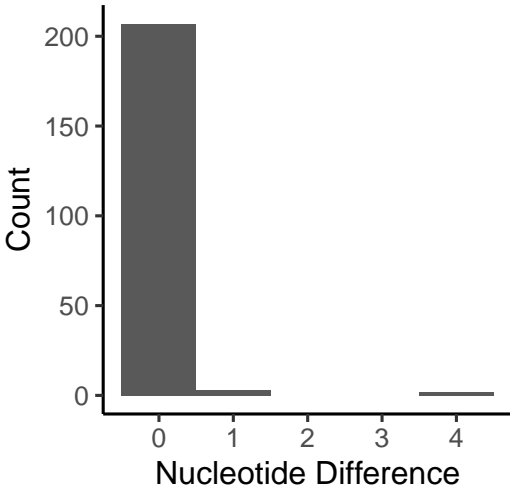
TRBV7-1*ap01_G291C_T

63 sequences assigned
63 (100%) exact matches, in which:
63 unique CDR3
12 unique J



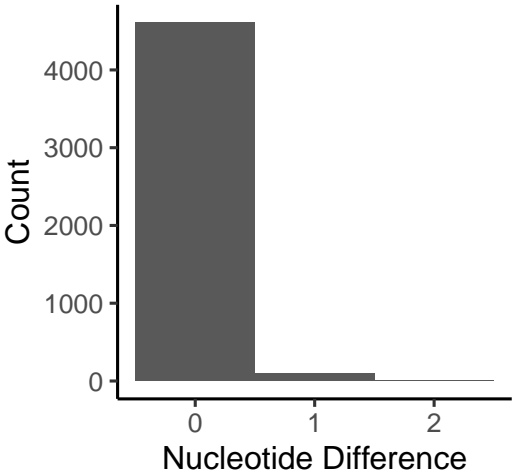
TRBV7-4*ap01

212 sequences assigned
207 (97.6%) exact matches, in which:
203 unique CDR3
13 unique J



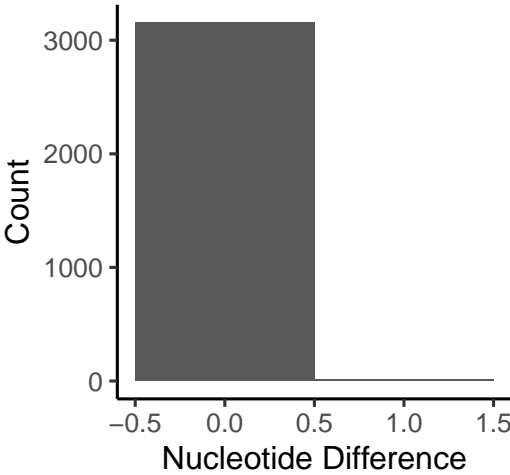
TRBV6-56*ap01

4710 sequences assigned
4607 (97.8%) exact matches, in which:
4485 unique CDR3
13 unique J



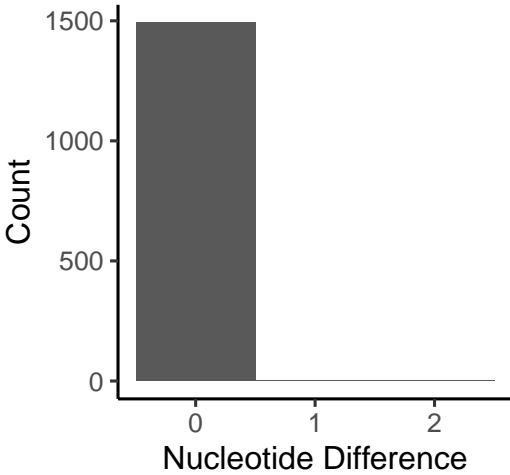
TRBV7-2*ap01

3170 sequences assigned
3154 (99.5%) exact matches, in which:
3115 unique CDR3
13 unique J



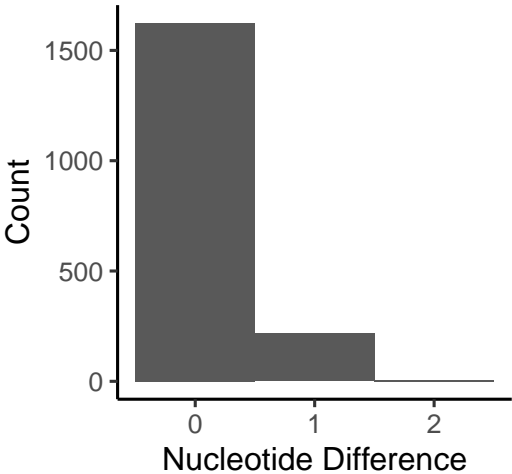
TRBV7-6*ap01

1496 sequences assigned
1492 (99.7%) exact matches, in which:
1474 unique CDR3
13 unique J



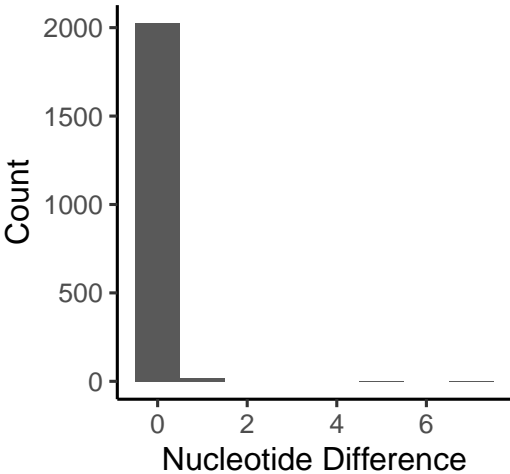
TRBV6-56*ap02

1846 sequences assigned
1624 (88%) exact matches, in which:
1587 unique CDR3
13 unique J



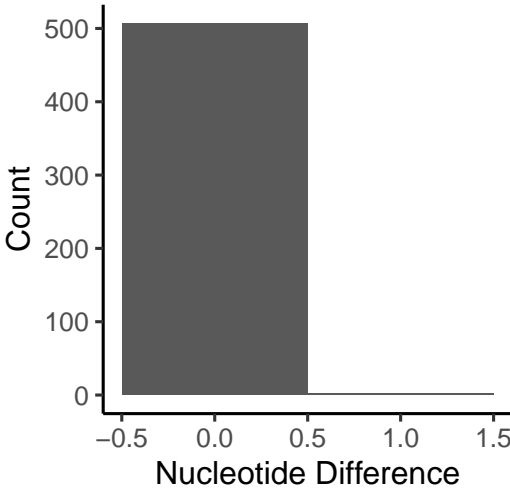
TRBV7-3*ap01

2046 sequences assigned
2026 (99%) exact matches, in which:
1998 unique CDR3
13 unique J



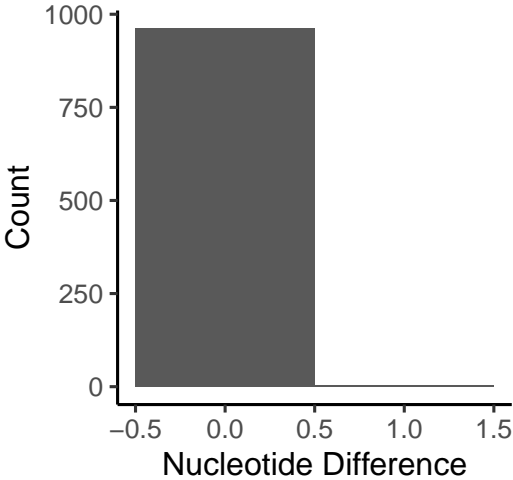
TRBV7-7*ap01

509 sequences assigned
507 (99.6%) exact matches, in which:
495 unique CDR3
13 unique J



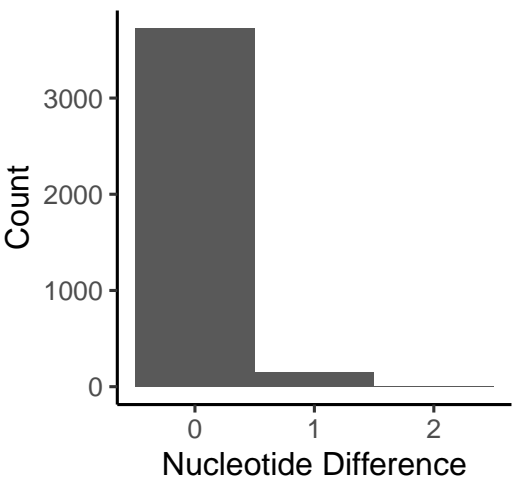
TRBV7-8*ap01

967 sequences assigned
962 (99.5%) exact matches, in which:
947 unique CDR3
13 unique J



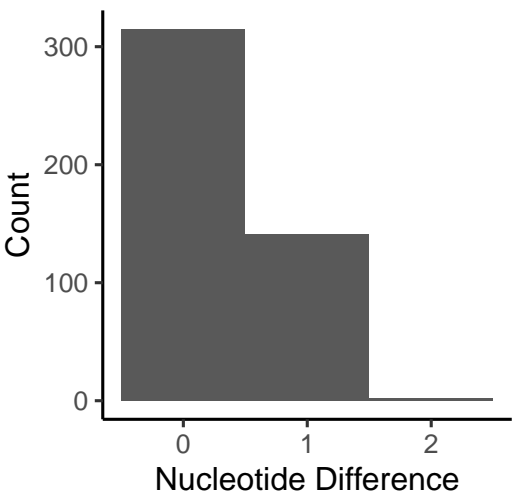
TRBV29-1*ap01

3873 sequences assigned
3724 (96.2%) exact matches, in which:
3507 unique CDR3
13 unique J



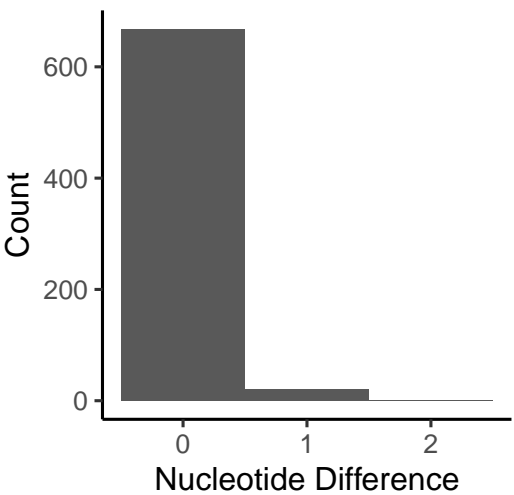
TRBV7-8*ap03

458 sequences assigned
315 (68.8%) exact matches, in which:
311 unique CDR3
13 unique J



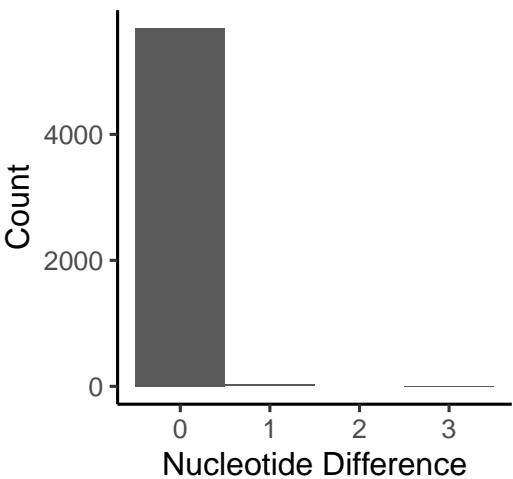
TRBV29-1*ap02

689 sequences assigned
668 (97%) exact matches, in which:
627 unique CDR3
13 unique J

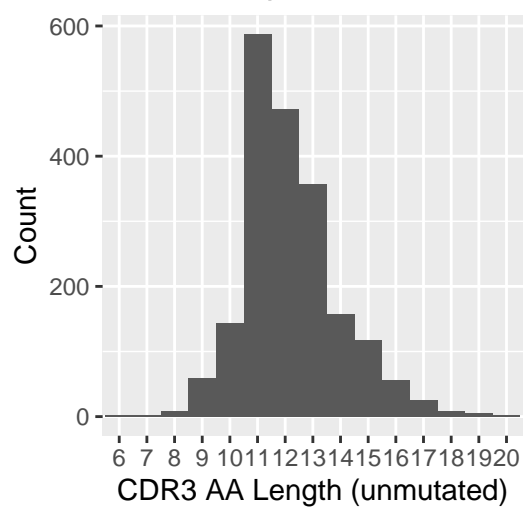


TRBV7-9*ap01

5717 sequences assigned
5688 (99.5%) exact matches, in which:
5609 unique CDR3
13 unique J



TRBV30*ap01_G298A



TRBV7-1*ap01_G291C_T296C_C314T

