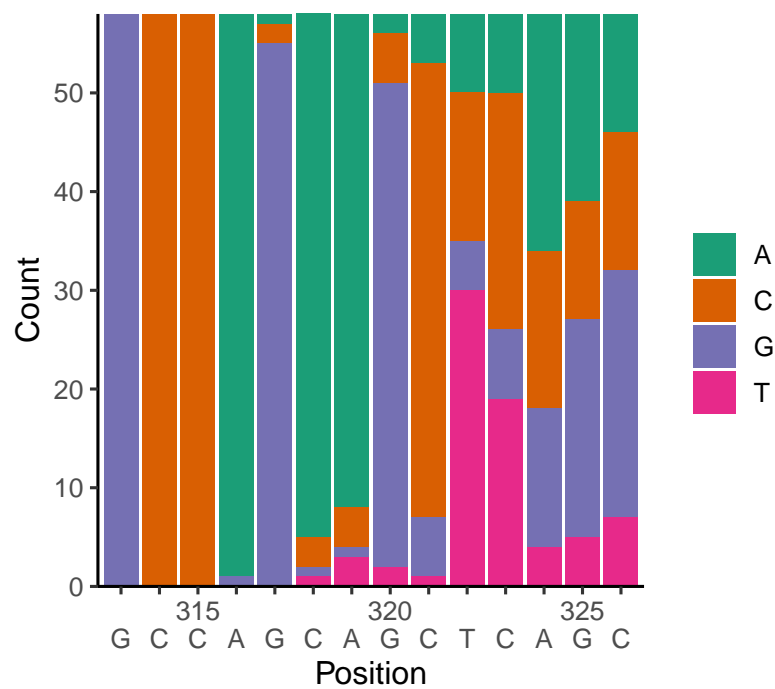
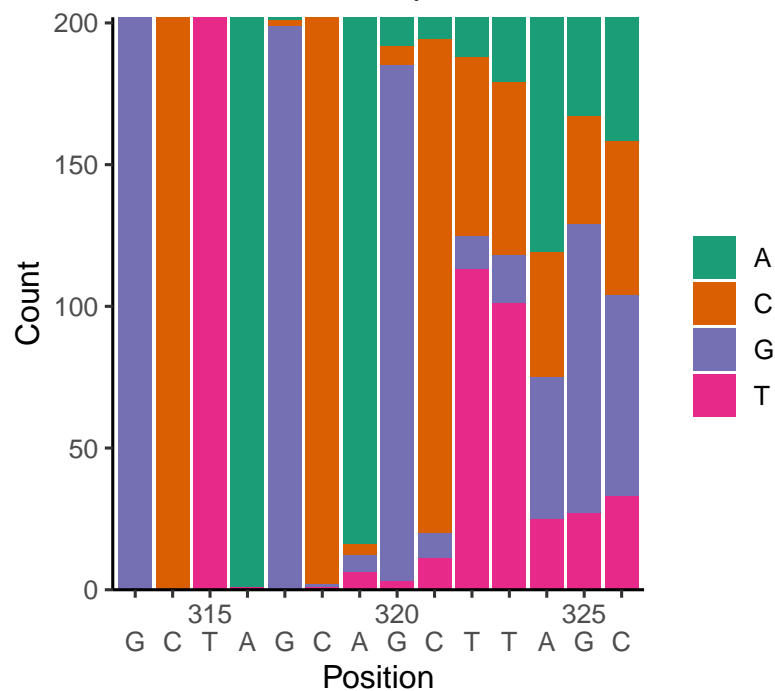


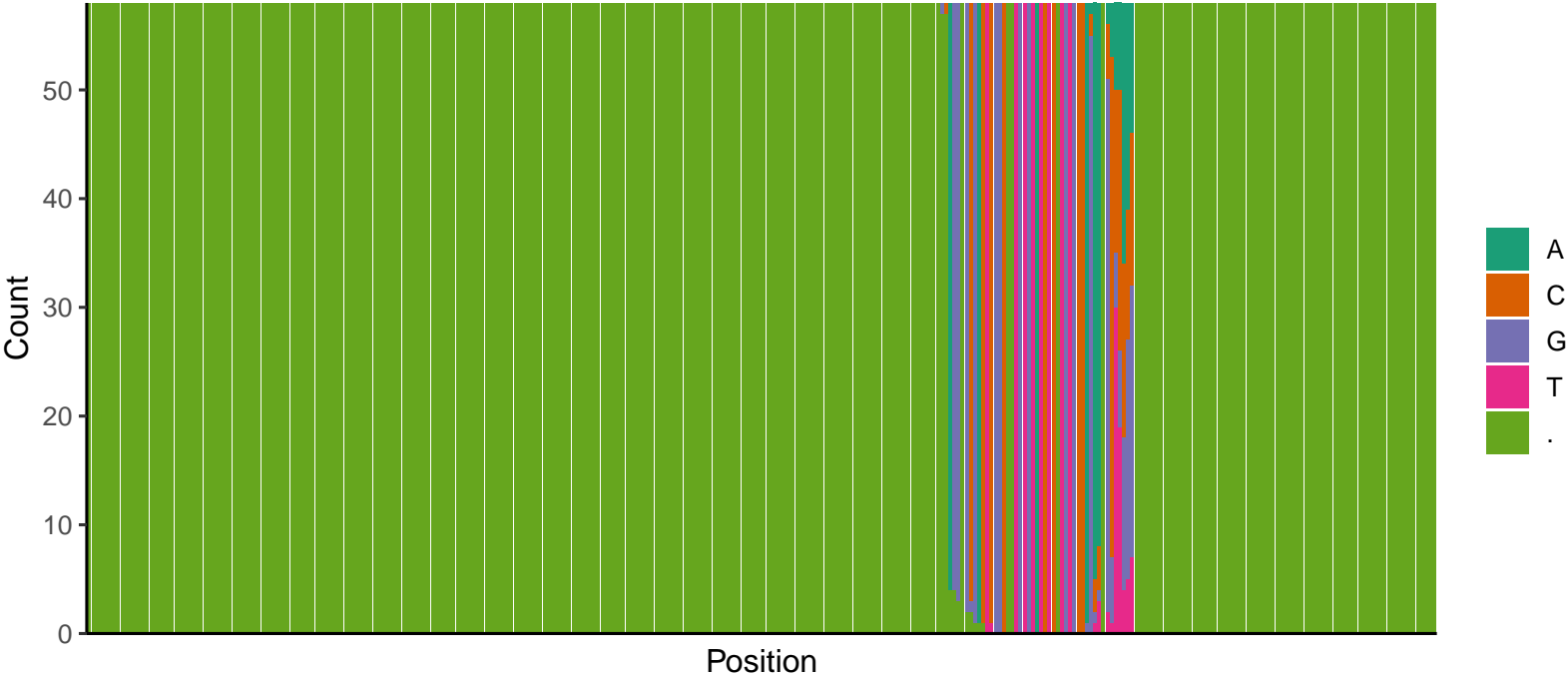
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



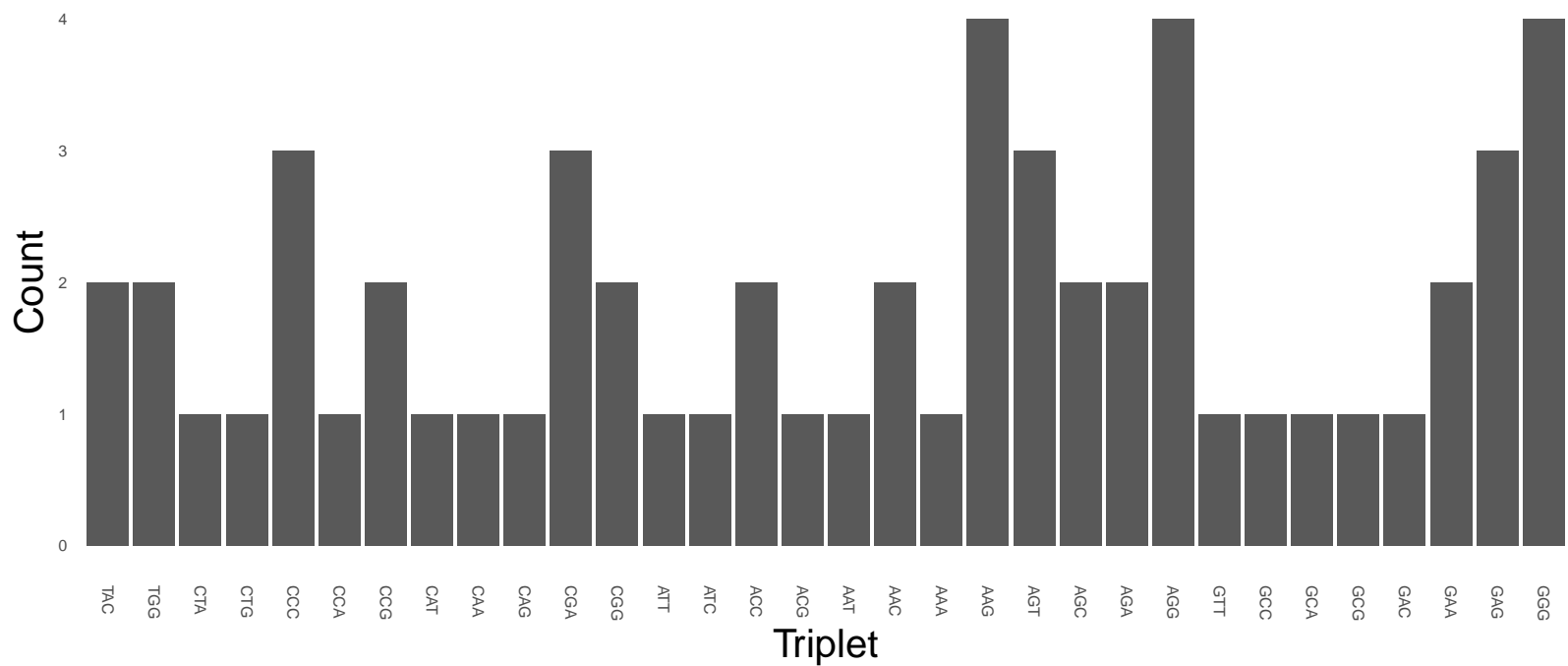
Gene TRBV7-1*ap01_G291C_T296C



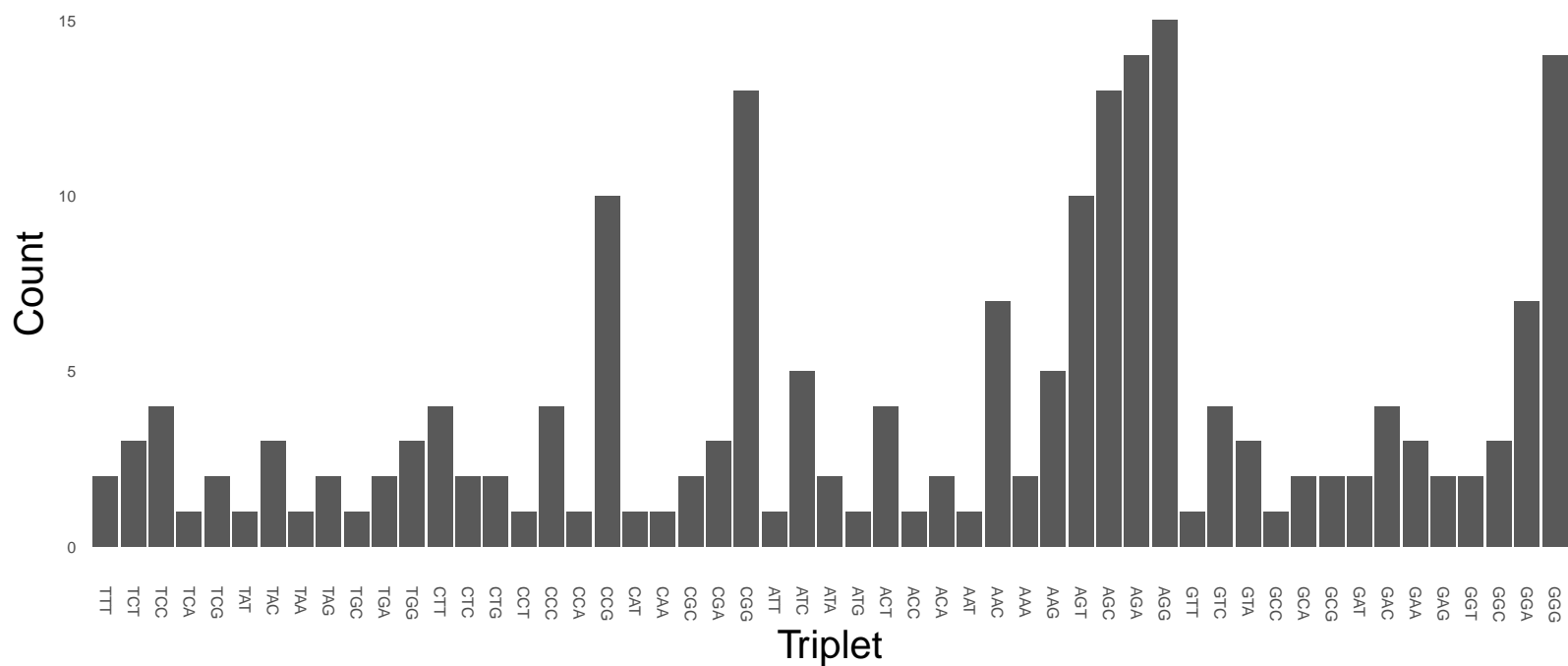
Gene TRBV7-7*ap01_C315T



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

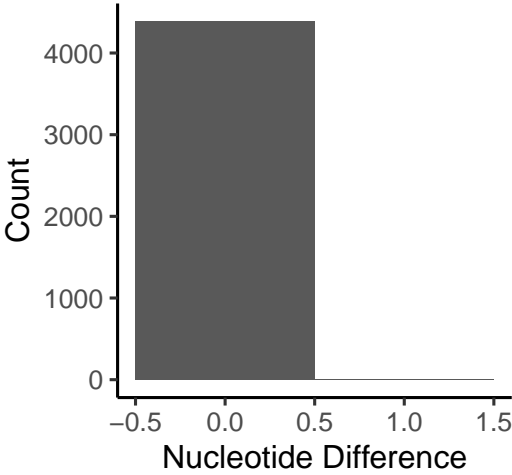


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



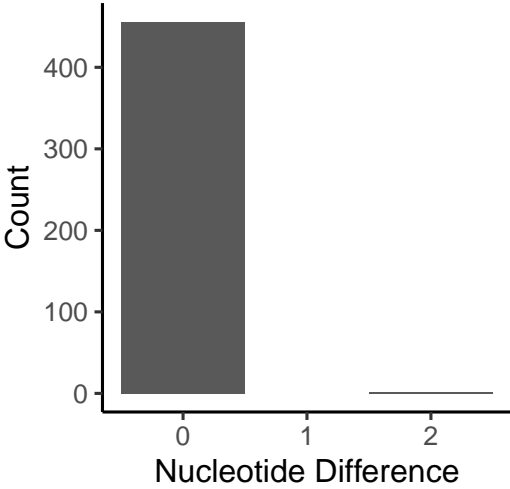
TRBV20–1*ap01

4396 sequences assigned
4387 (99.8%) exact matches, in which:
4374 unique CDR3
13 unique J



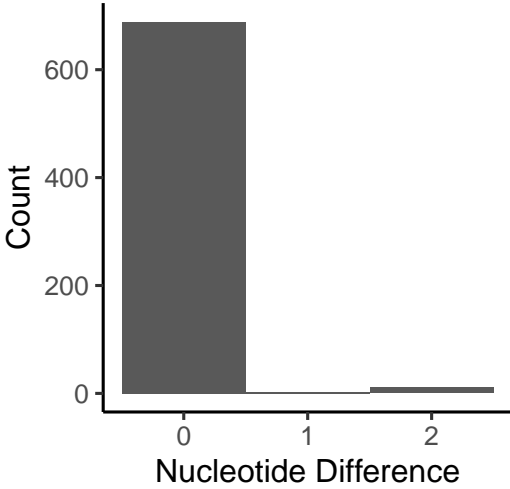
TRBV10–2*ap01

458 sequences assigned
456 (99.6%) exact matches, in which:
456 unique CDR3
13 unique J



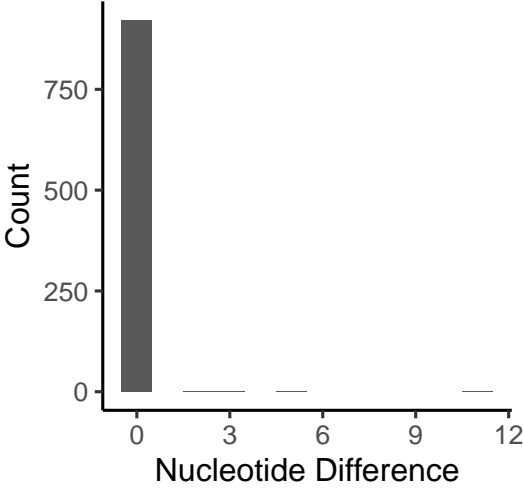
TRBV13*ap01

702 sequences assigned
689 (98.1%) exact matches, in which:
687 unique CDR3
13 unique J



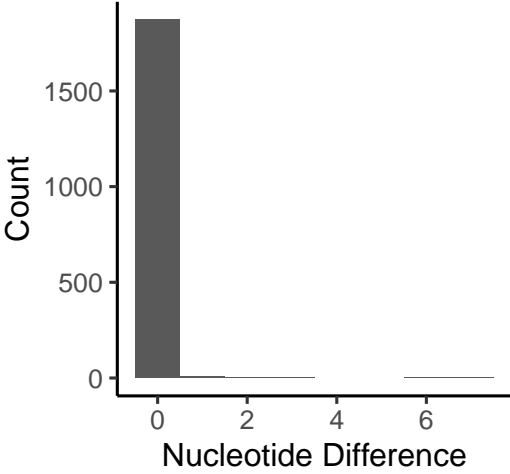
TRBV10–1*ap01

926 sequences assigned
922 (99.6%) exact matches, in which:
922 unique CDR3
13 unique J



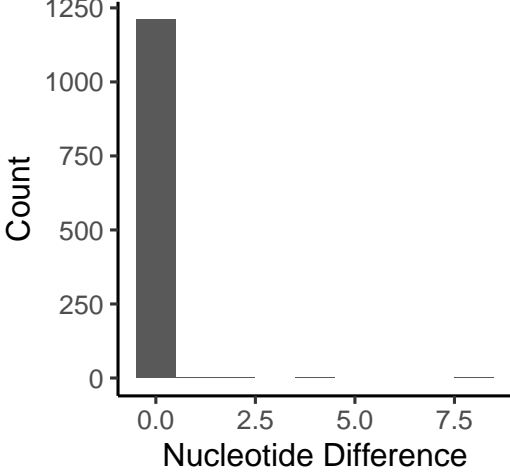
TRBV10–3*ap01

1888 sequences assigned
1872 (99.2%) exact matches, in which:
1869 unique CDR3
13 unique J



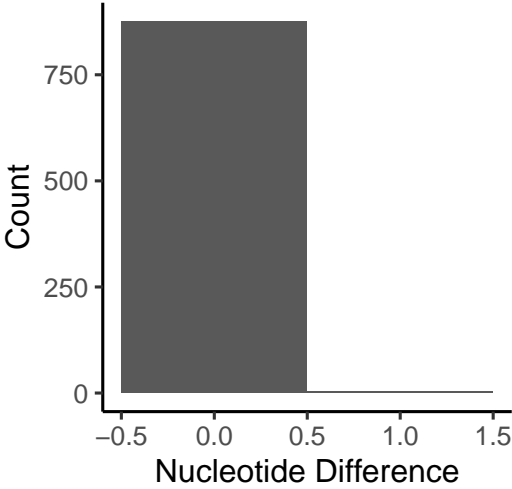
TRBV14*ap01

1214 sequences assigned
1210 (99.7%) exact matches, in which:
1210 unique CDR3
13 unique J



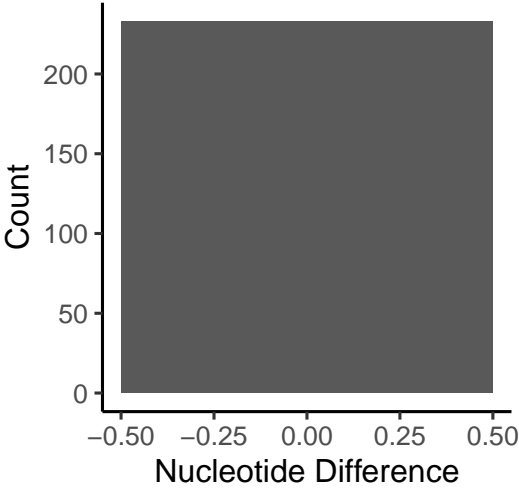
TRBV20–1*ap02

880 sequences assigned
876 (99.5%) exact matches, in which:
875 unique CDR3
13 unique J



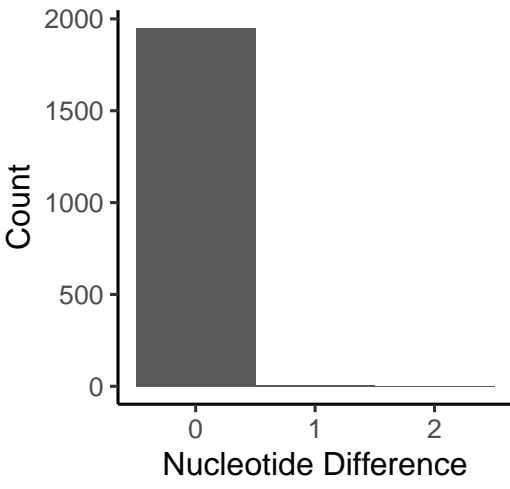
TRBV1*ap01

233 sequences assigned
233 (100%) exact matches, in which:
233 unique CDR3
13 unique J



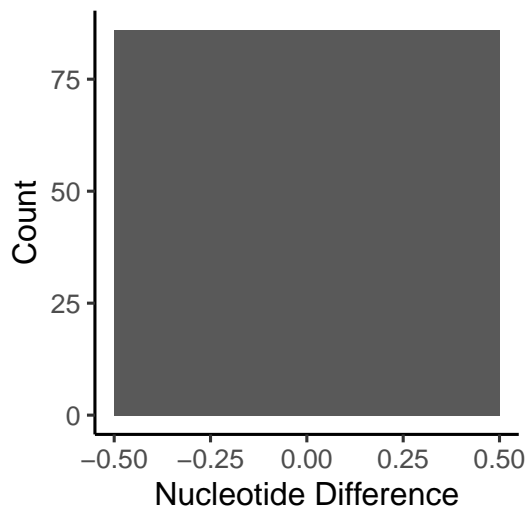
TRBV15*ap02

1959 sequences assigned
1950 (99.5%) exact matches, in which:
1947 unique CDR3
13 unique J



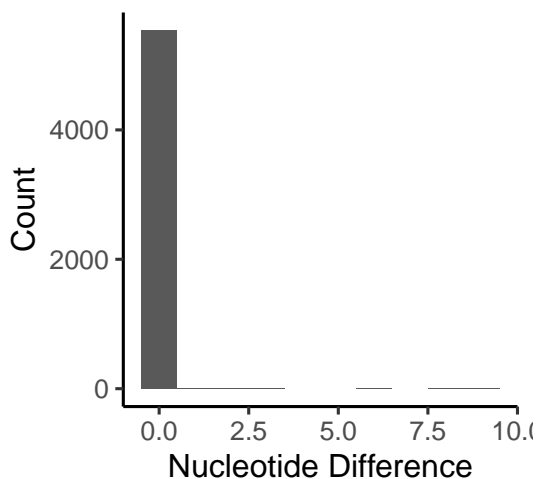
TRBV16*ap01

86 sequences assigned
86 (100%) exact matches, in which:
86 unique CDR3
13 unique J



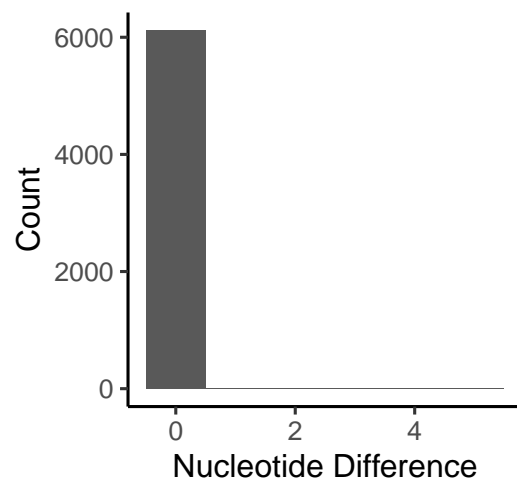
TRBV19*ap01

5557 sequences assigned
5538 (99.7%) exact matches, in which:
5538 unique CDR3
13 unique J



TRBV27*ap01

6138 sequences assigned
6117 (99.7%) exact matches, in which:
6092 unique CDR3
13 unique J



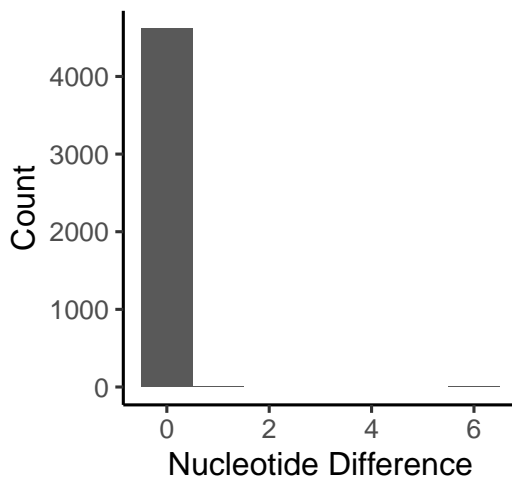
TRBV17*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



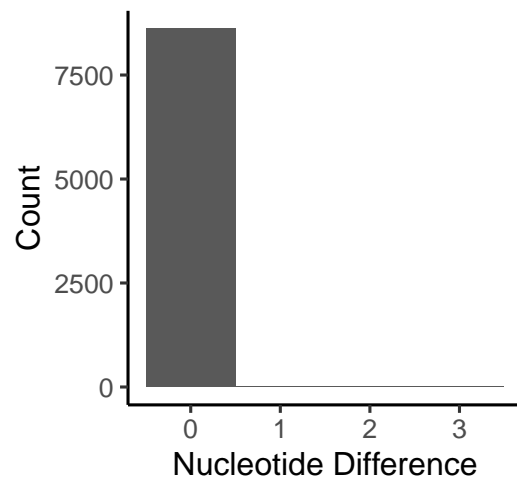
TRBV2*ap01

4627 sequences assigned
4615 (99.7%) exact matches, in which:
4596 unique CDR3
13 unique J



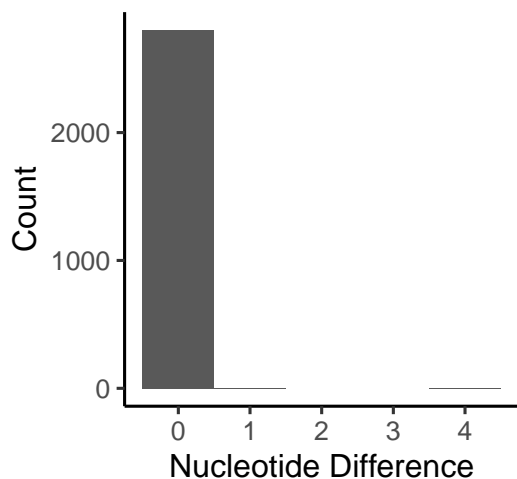
TRBV28*ap01

8631 sequences assigned
8613 (99.8%) exact matches, in which:
8607 unique CDR3
13 unique J



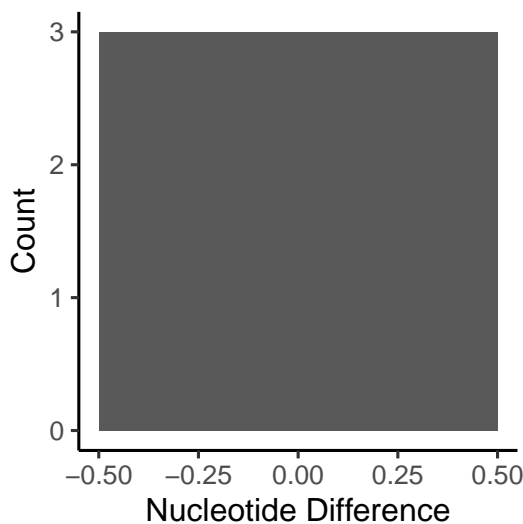
TRBV18*ap01

2806 sequences assigned
2802 (99.9%) exact matches, in which:
2800 unique CDR3
13 unique J



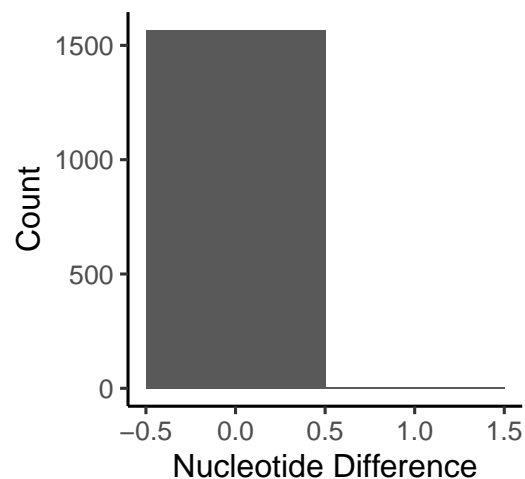
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
2 unique J



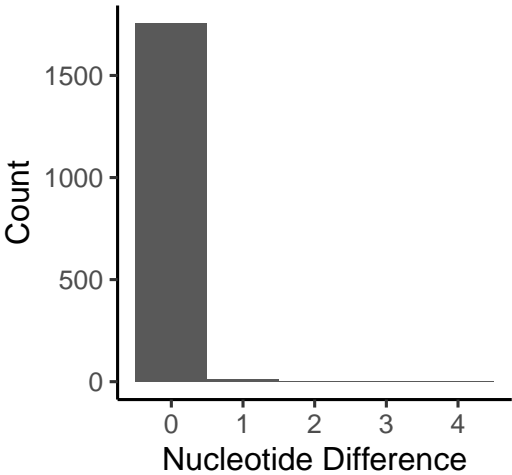
TRBV30*ap01

1572 sequences assigned
1567 (99.7%) exact matches, in which:
1560 unique CDR3
13 unique J



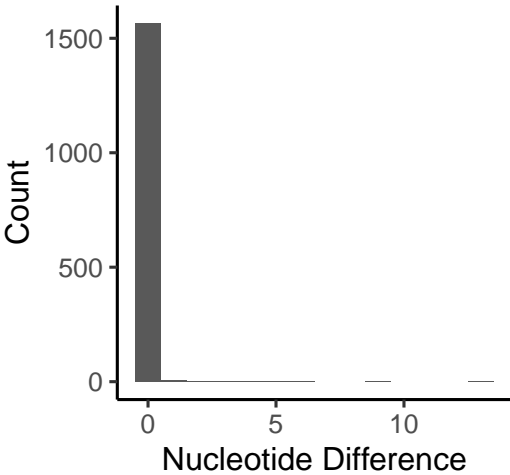
TRBV30*ap02

1772 sequences assigned
1755 (99%) exact matches, in which:
1754 unique CDR3
13 unique J



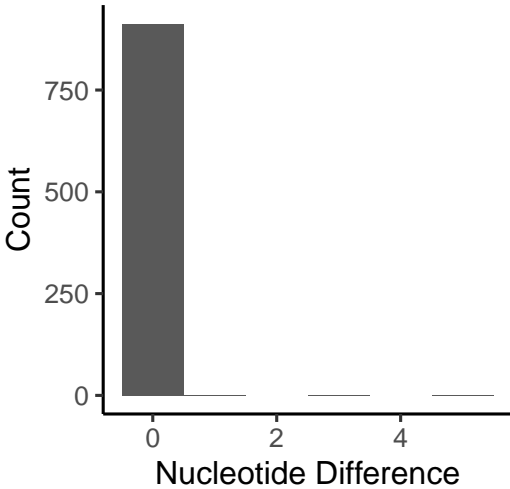
TRBV21-1*ap01

1582 sequences assigned
1565 (98.9%) exact matches, in which:
1565 unique CDR3
13 unique J



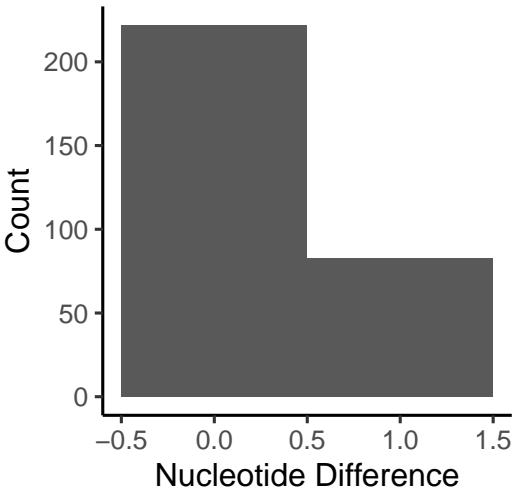
TRBV11-3*ap01

916 sequences assigned
913 (99.7%) exact matches, in which:
913 unique CDR3
13 unique J



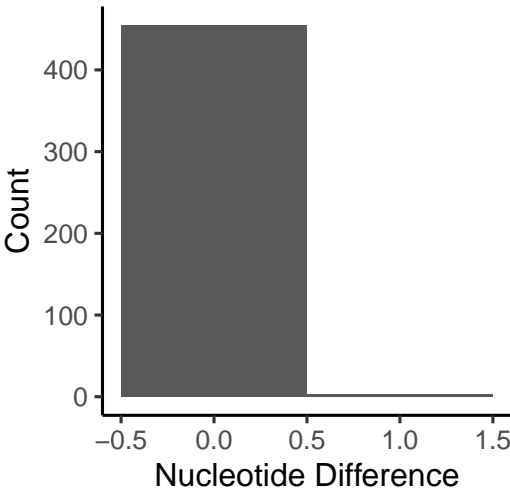
TRBV30*ap03

305 sequences assigned
222 (72.8%) exact matches, in which:
222 unique CDR3
13 unique J



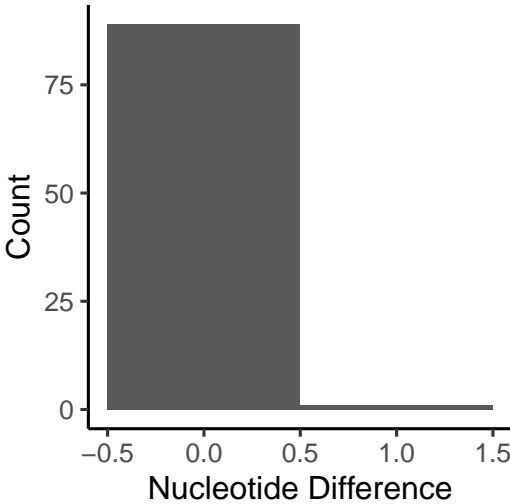
TRBV11-1*ap01

458 sequences assigned
455 (99.3%) exact matches, in which:
455 unique CDR3
13 unique J



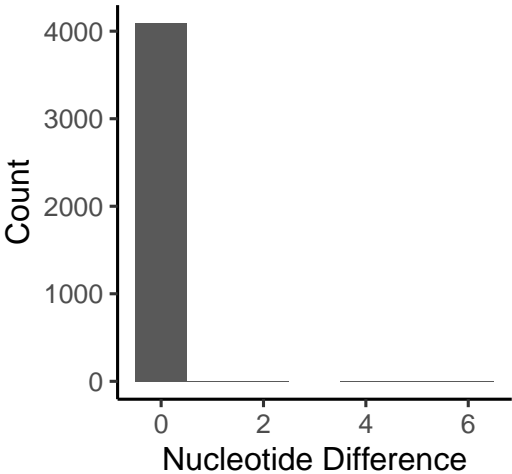
TRBV12-1*ap01

90 sequences assigned
89 (98.9%) exact matches, in which:
89 unique CDR3
11 unique J



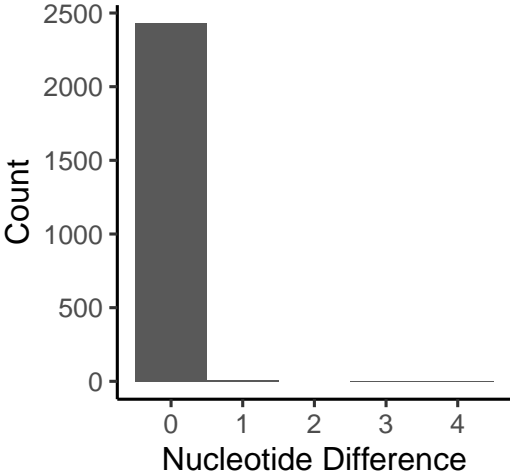
TRBV9*ap01

4104 sequences assigned
4093 (99.7%) exact matches, in which:
4086 unique CDR3
13 unique J



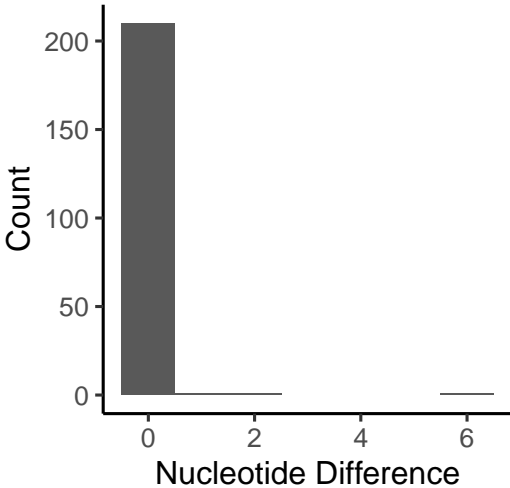
TRBV11-2*ap01

2442 sequences assigned
2432 (99.6%) exact matches, in which:
2429 unique CDR3
13 unique J



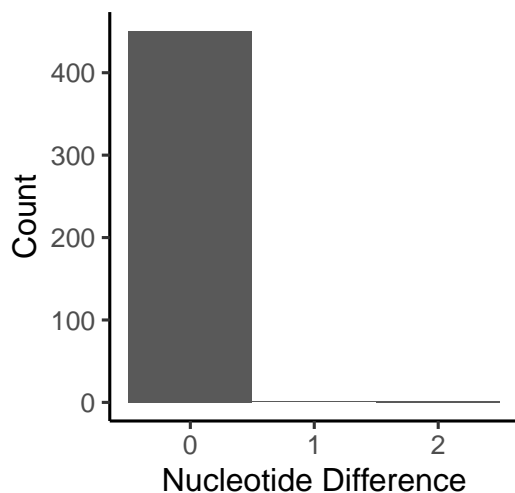
TRBV12-2*ap01

213 sequences assigned
210 (98.6%) exact matches, in which:
210 unique CDR3
13 unique J



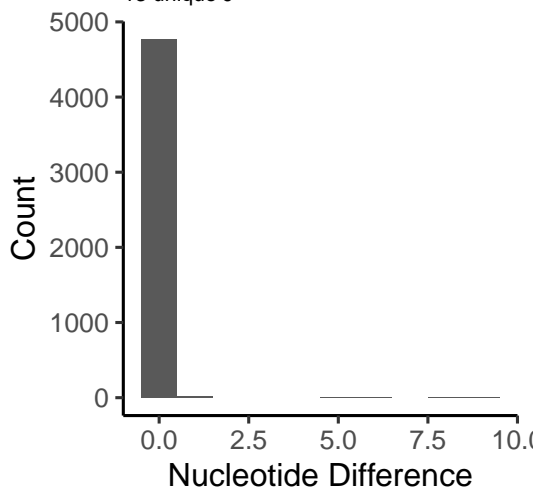
TRBV12–5*ap01

454 sequences assigned
451 (99.3%) exact matches, in which:
451 unique CDR3
13 unique J



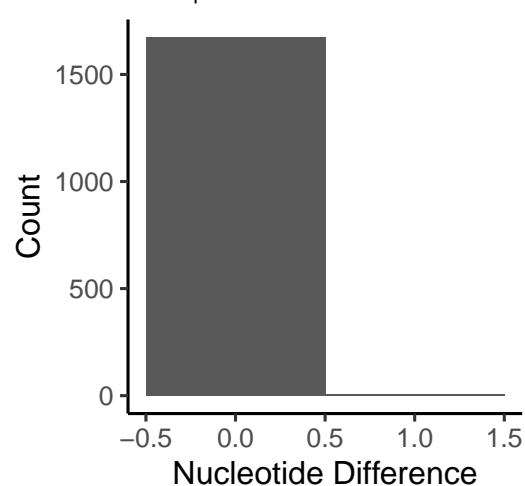
TRBV3–12*ap01

4789 sequences assigned
4767 (99.5%) exact matches, in which:
4754 unique CDR3
13 unique J



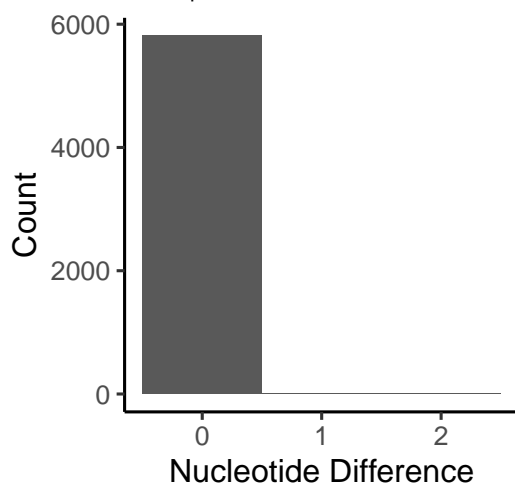
TRBV4–2*ap01

1678 sequences assigned
1673 (99.7%) exact matches, in which:
1667 unique CDR3
13 unique J



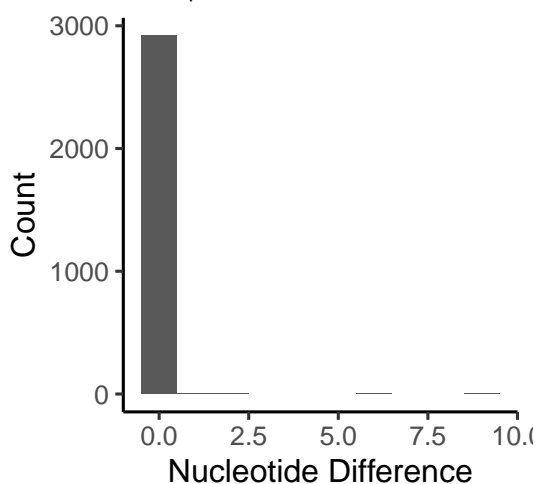
TRBV12–34*ap01

5823 sequences assigned
5813 (99.8%) exact matches, in which:
5811 unique CDR3
13 unique J



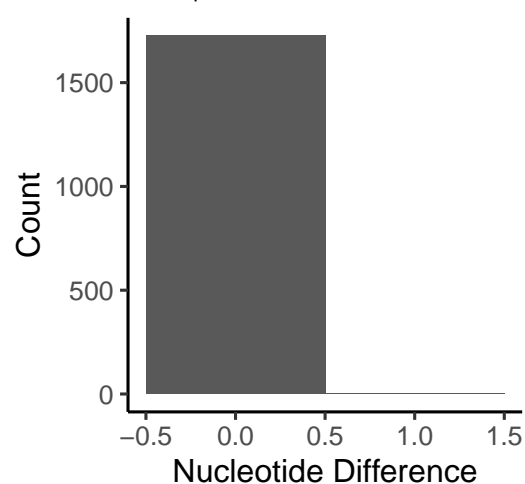
TRBV4–1*ap01

2929 sequences assigned
2919 (99.7%) exact matches, in which:
2915 unique CDR3
13 unique J



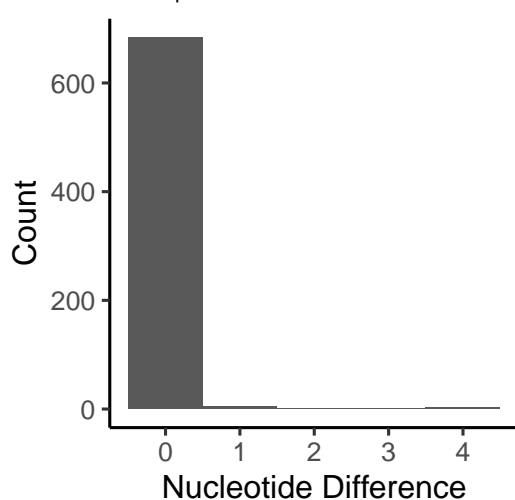
TRBV4–3*ap01

1729 sequences assigned
1726 (99.8%) exact matches, in which:
1723 unique CDR3
13 unique J



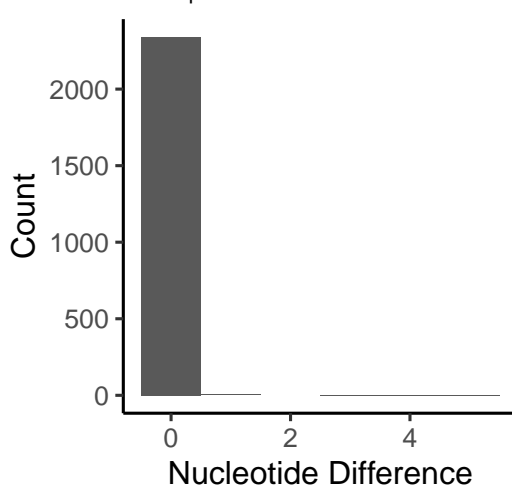
TRBV23–1*ap01

692 sequences assigned
684 (98.8%) exact matches, in which:
684 unique CDR3
13 unique J



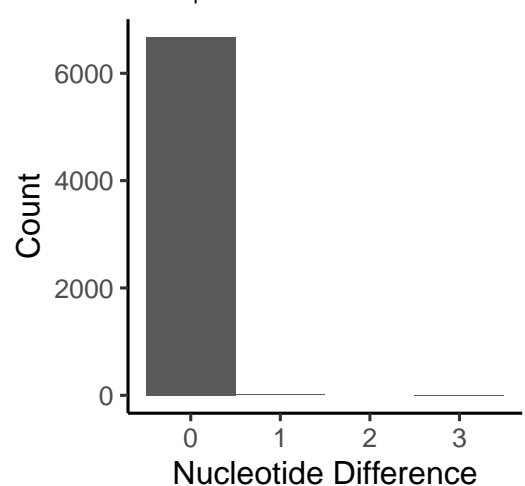
TRBV24–1*ap01

2349 sequences assigned
2340 (99.6%) exact matches, in which:
2336 unique CDR3
13 unique J



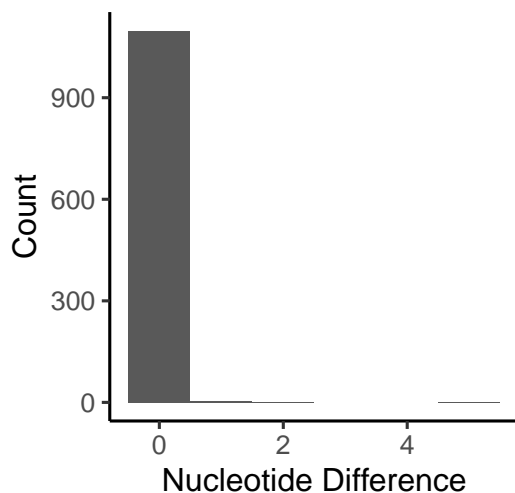
TRBV5–1*ap01

6691 sequences assigned
6675 (99.8%) exact matches, in which:
6645 unique CDR3
13 unique J



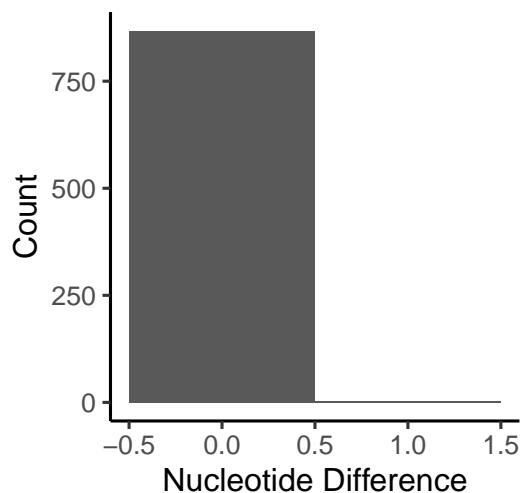
TRBV25–1*ap01

1105 sequences assigned
1098 (99.4%) exact matches, in which:
1091 unique CDR3
13 unique J



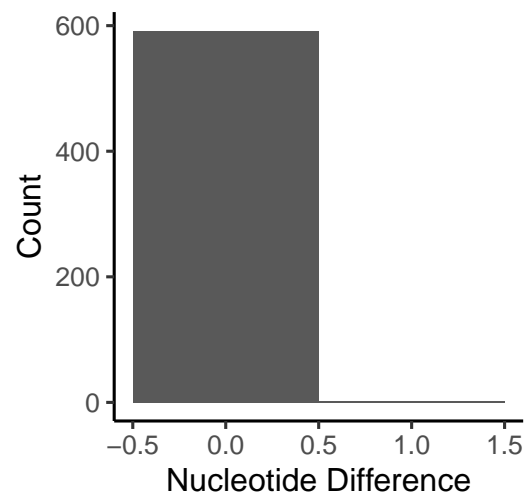
TRBV5–5*ap01

871 sequences assigned
868 (99.7%) exact matches, in which:
868 unique CDR3
13 unique J



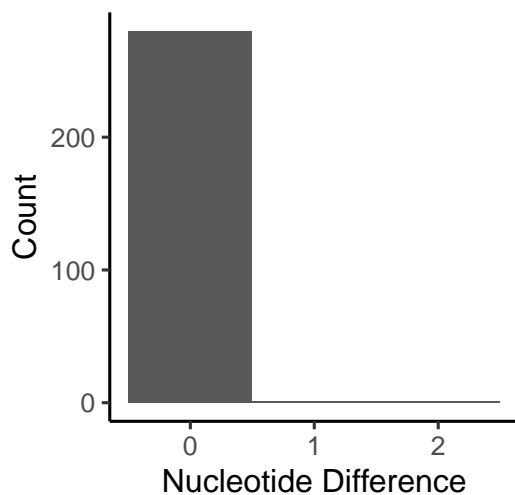
TRBV5–8*ap01

594 sequences assigned
592 (99.7%) exact matches, in which:
592 unique CDR3
13 unique J



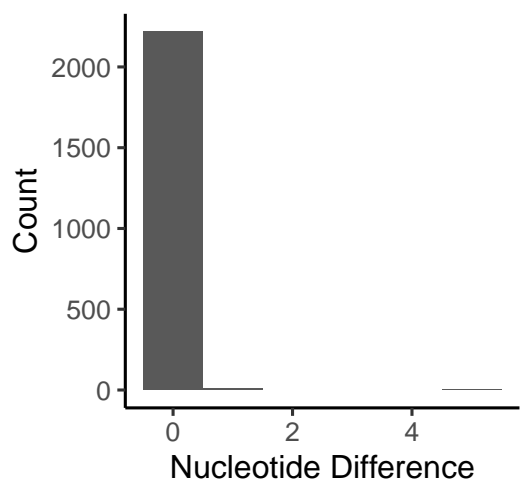
TRBV5–3*ap01

282 sequences assigned
280 (99.3%) exact matches, in which:
279 unique CDR3
13 unique J



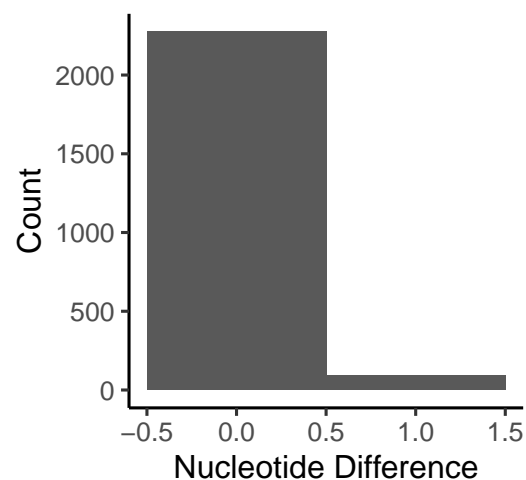
TRBV5–6*ap01

2228 sequences assigned
2218 (99.6%) exact matches, in which:
2204 unique CDR3
13 unique J



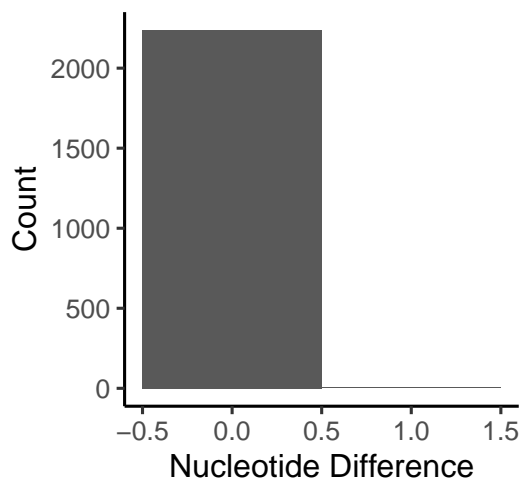
TRBV6–1*ap01

2367 sequences assigned
2275 (96.1%) exact matches, in which:
2270 unique CDR3
13 unique J



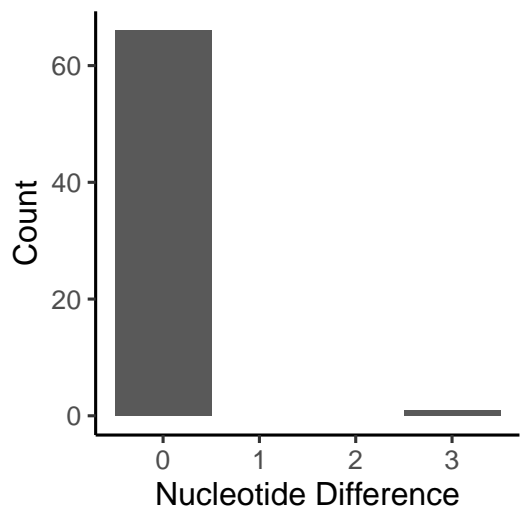
TRBV5–4*ap01

2244 sequences assigned
2238 (99.7%) exact matches, in which:
2237 unique CDR3
13 unique J



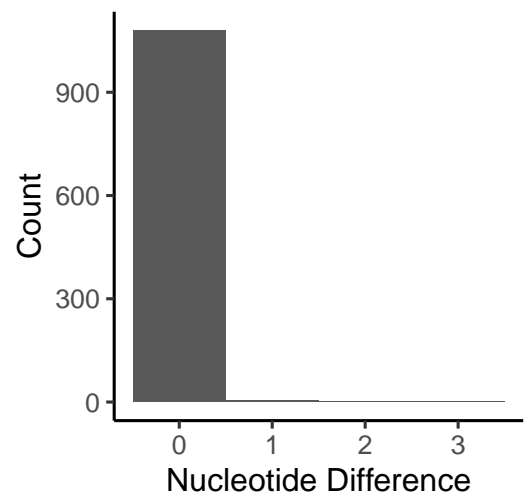
TRBV5–7*ap01

67 sequences assigned
66 (98.5%) exact matches, in which:
66 unique CDR3
13 unique J



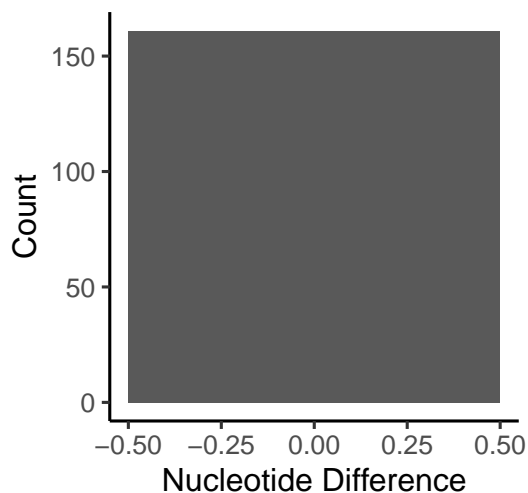
TRBV6–4*ap01

1089 sequences assigned
1080 (99.2%) exact matches, in which:
1080 unique CDR3
13 unique J



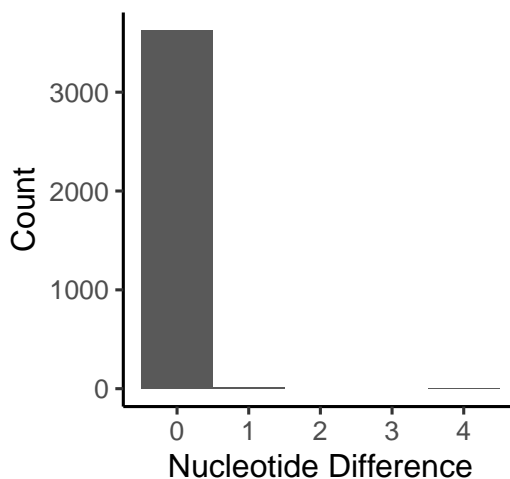
TRBV6-7*ap01

161 sequences assigned
161 (100%) exact matches, in which:
160 unique CDR3
13 unique J



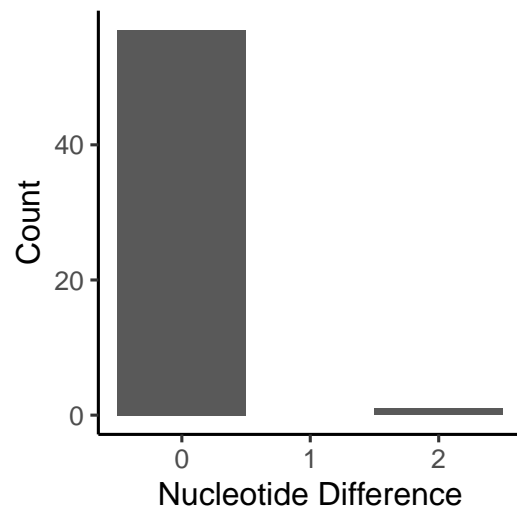
TRBV6-23*ap01

3637 sequences assigned
3625 (99.7%) exact matches, in which:
3617 unique CDR3
13 unique J



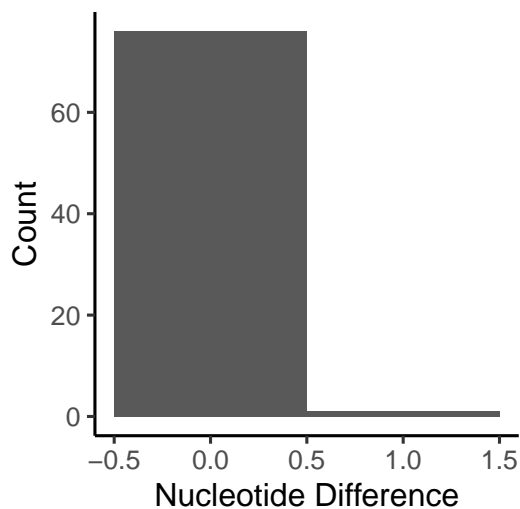
TRBV7-1*ap01_G291C_T

58 sequences assigned
57 (98.3%) exact matches, in which:
57 unique CDR3
13 unique J



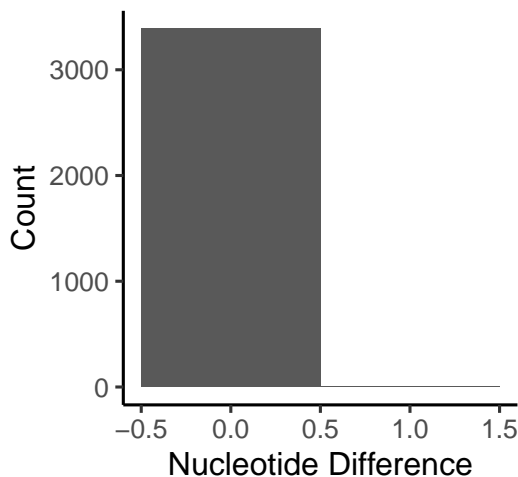
TRBV6-8*ap01

77 sequences assigned
76 (98.7%) exact matches, in which:
76 unique CDR3
13 unique J



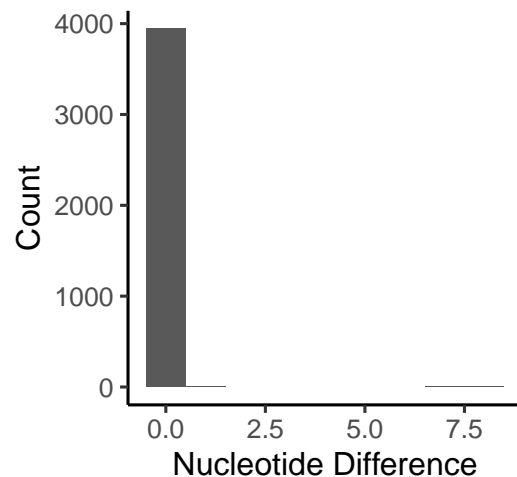
TRBV6-56*ap01

3397 sequences assigned
3388 (99.7%) exact matches, in which:
3381 unique CDR3
13 unique J



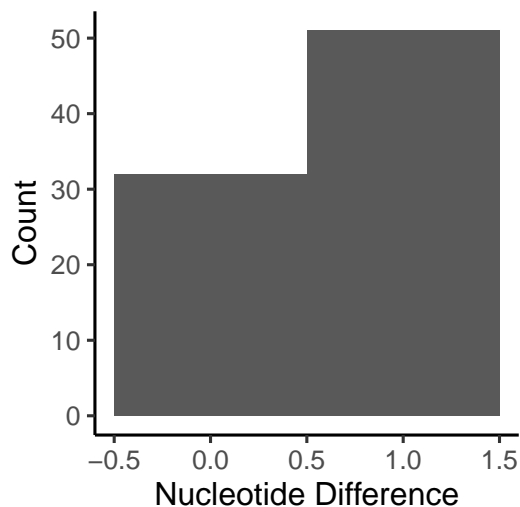
TRBV7-2*ap01

3950 sequences assigned
3944 (99.8%) exact matches, in which:
3942 unique CDR3
13 unique J



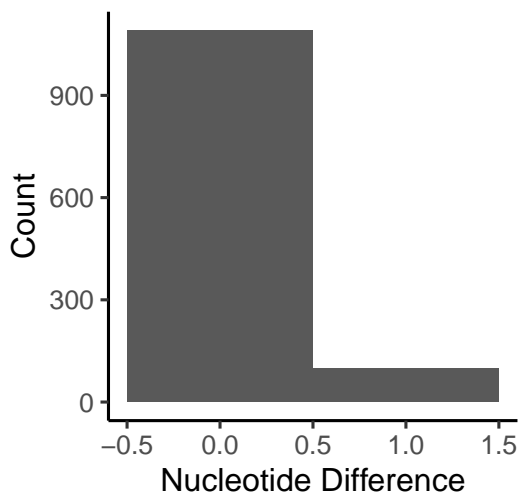
TRBV6-9*ap01

83 sequences assigned
32 (38.6%) exact matches, in which:
32 unique CDR3
10 unique J



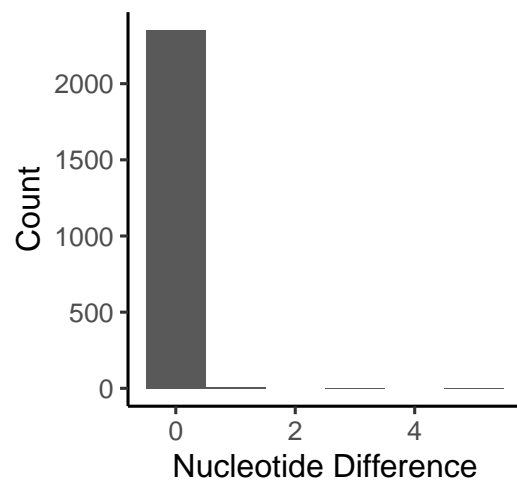
TRBV6-56*ap02

1190 sequences assigned
1091 (91.7%) exact matches, in which:
1090 unique CDR3
13 unique J



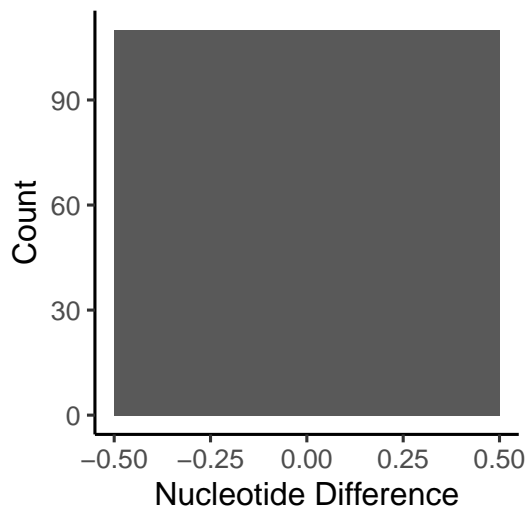
TRBV7-3*ap01

2361 sequences assigned
2352 (99.6%) exact matches, in which:
2347 unique CDR3
13 unique J



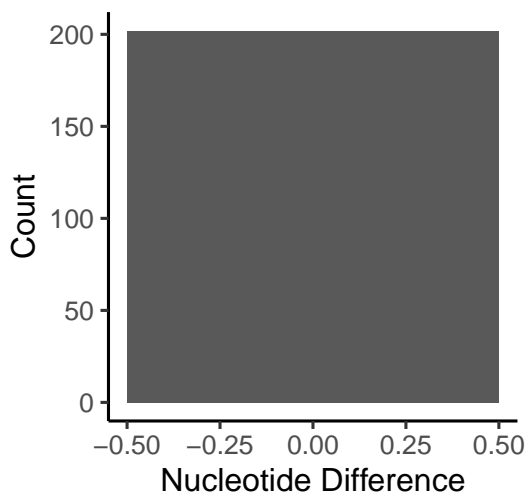
TRBV7-4*ap01

110 sequences assigned
110 (100%) exact matches, in which:
110 unique CDR3
12 unique J



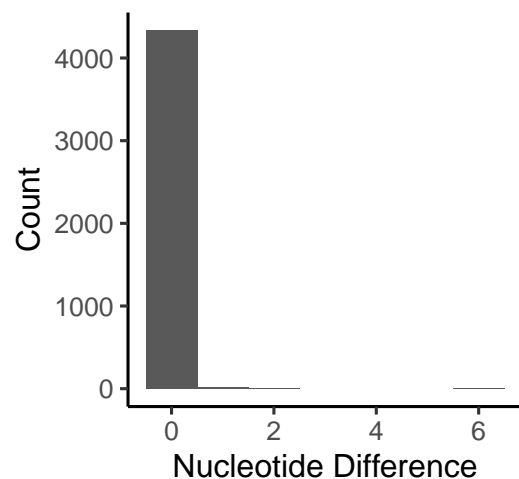
TRBV7-7*ap01_C315T

202 sequences assigned
202 (100%) exact matches, in which:
202 unique CDR3
12 unique J



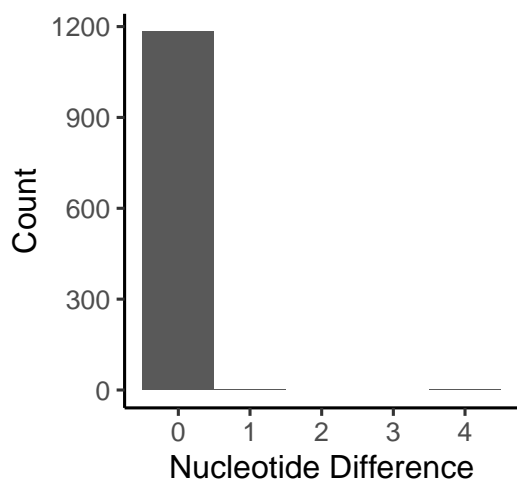
TRBV7-9*ap01

4351 sequences assigned
4334 (99.6%) exact matches, in which:
4332 unique CDR3
13 unique J



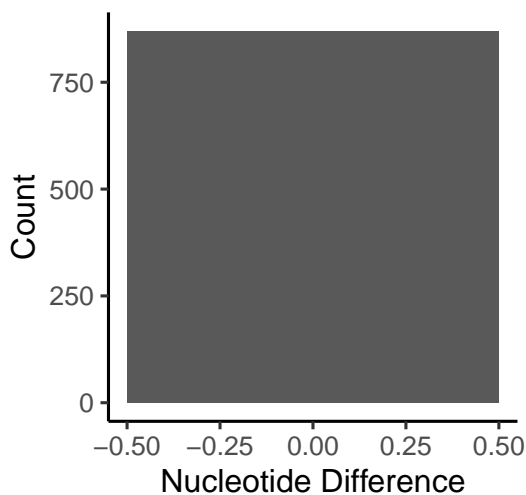
TRBV7-6*ap01

1186 sequences assigned
1183 (99.7%) exact matches, in which:
1181 unique CDR3
13 unique J



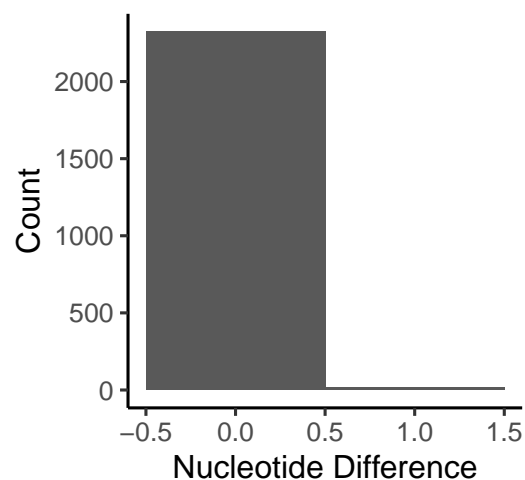
TRBV7-8*ap01

870 sequences assigned
870 (100%) exact matches, in which:
870 unique CDR3
13 unique J



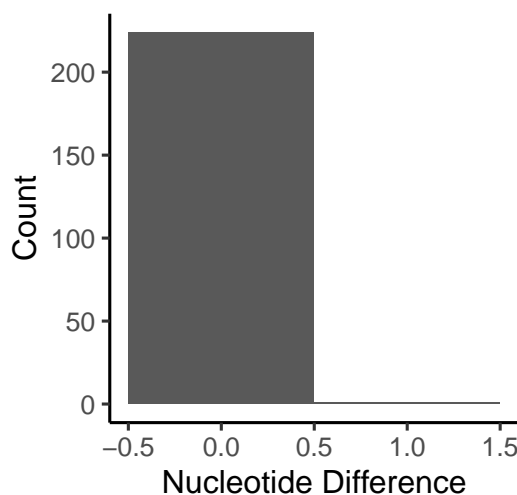
TRBV29-1*ap01

2338 sequences assigned
2323 (99.4%) exact matches, in which:
2313 unique CDR3
13 unique J



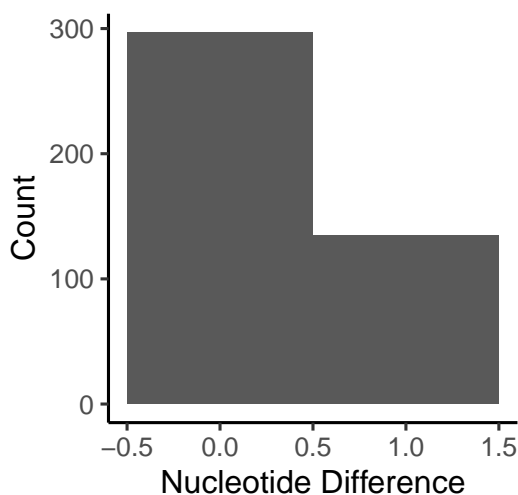
TRBV7-7*ap01

225 sequences assigned
224 (99.6%) exact matches, in which:
224 unique CDR3
13 unique J



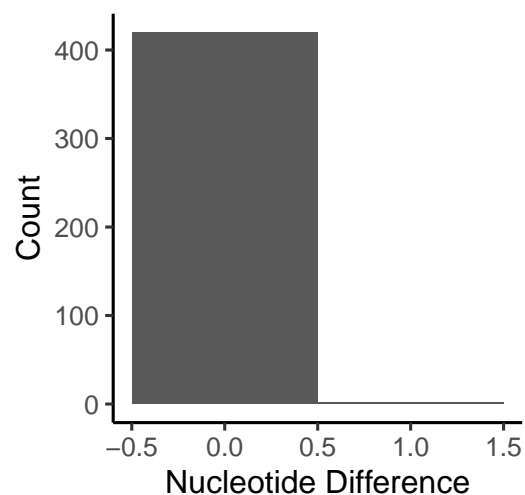
TRBV7-8*ap03

432 sequences assigned
297 (68.8%) exact matches, in which:
296 unique CDR3
13 unique J

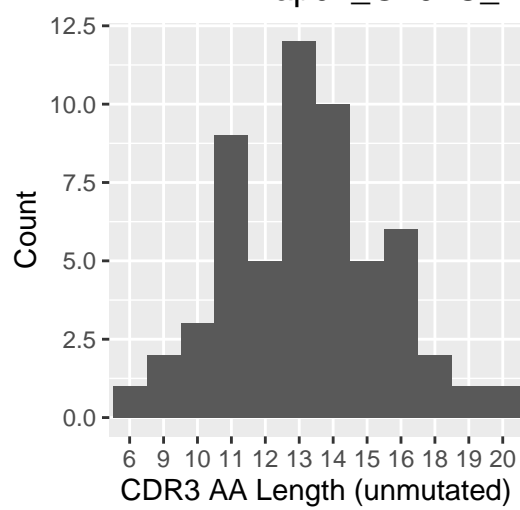


TRBV29-1*ap02

422 sequences assigned
420 (99.5%) exact matches, in which:
419 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

