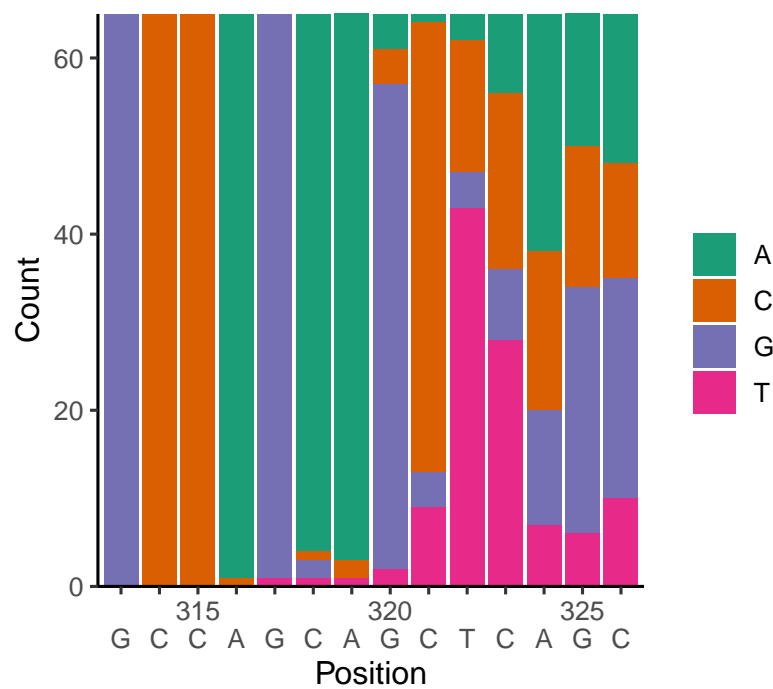
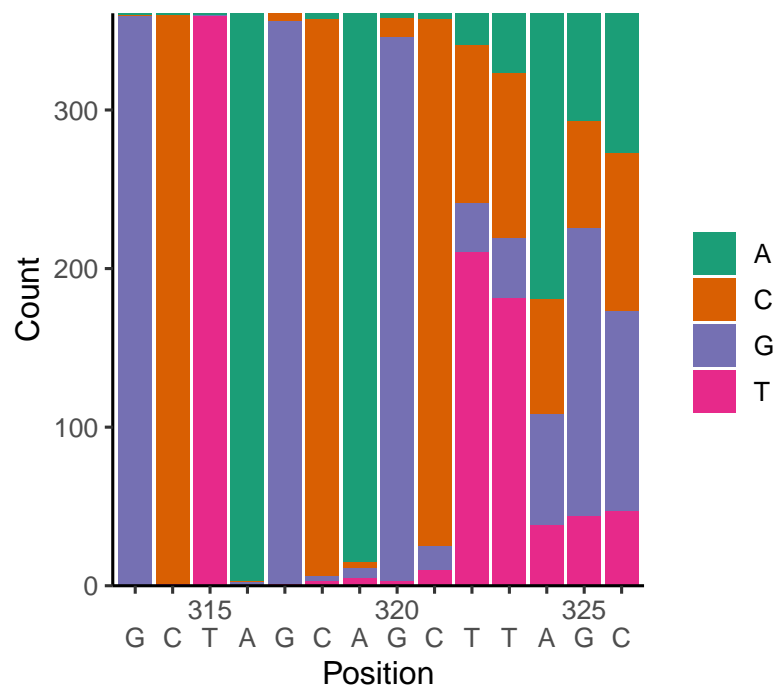


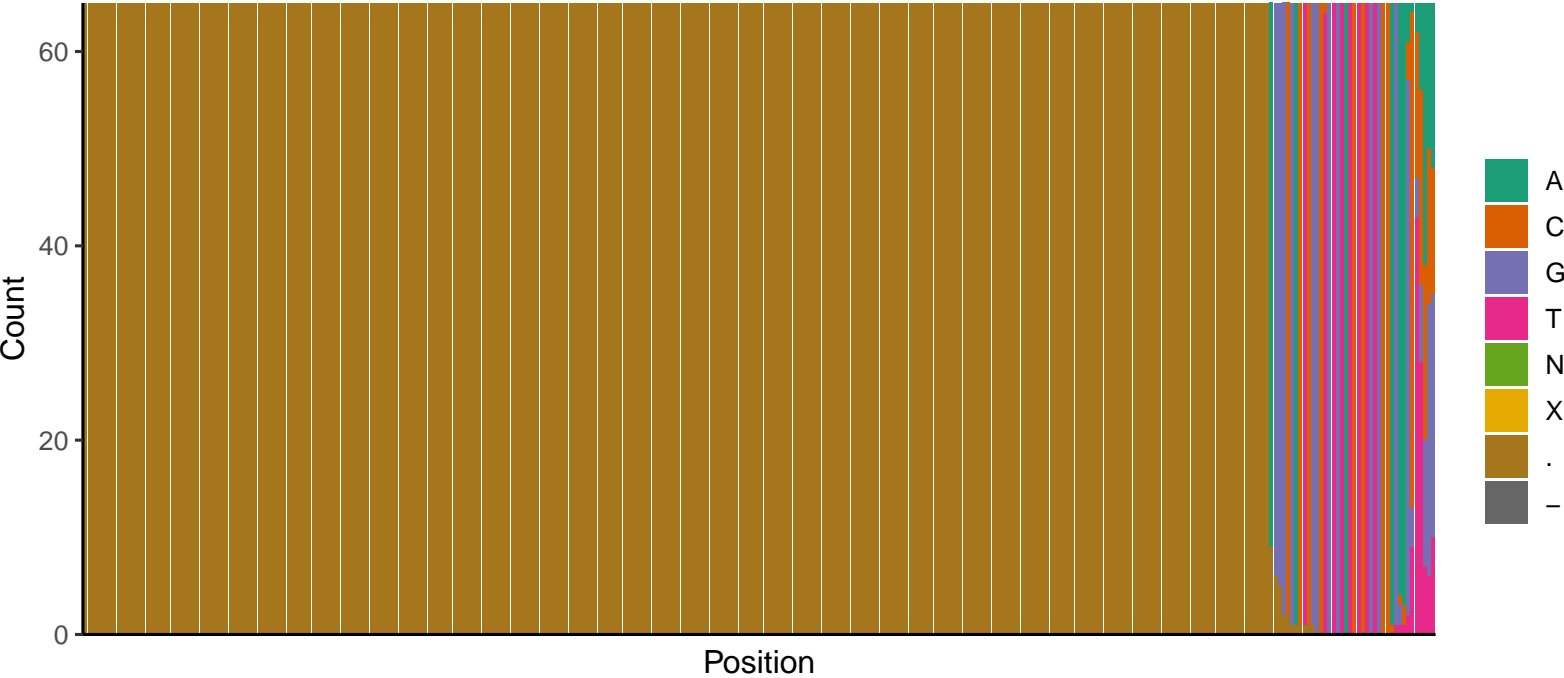
Gene TRBV7-1*ap01_G291C_T296C



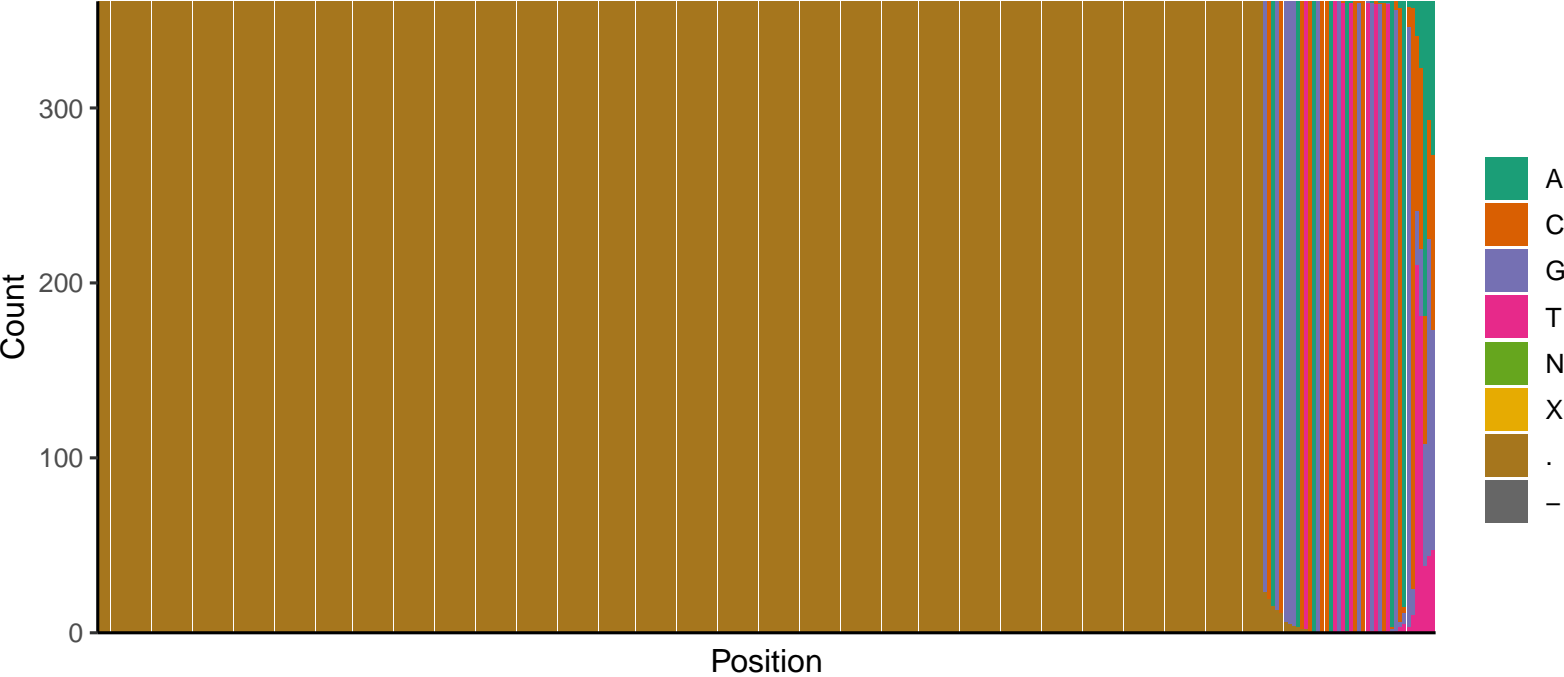
Gene TRBV7-7*ap01_C315T



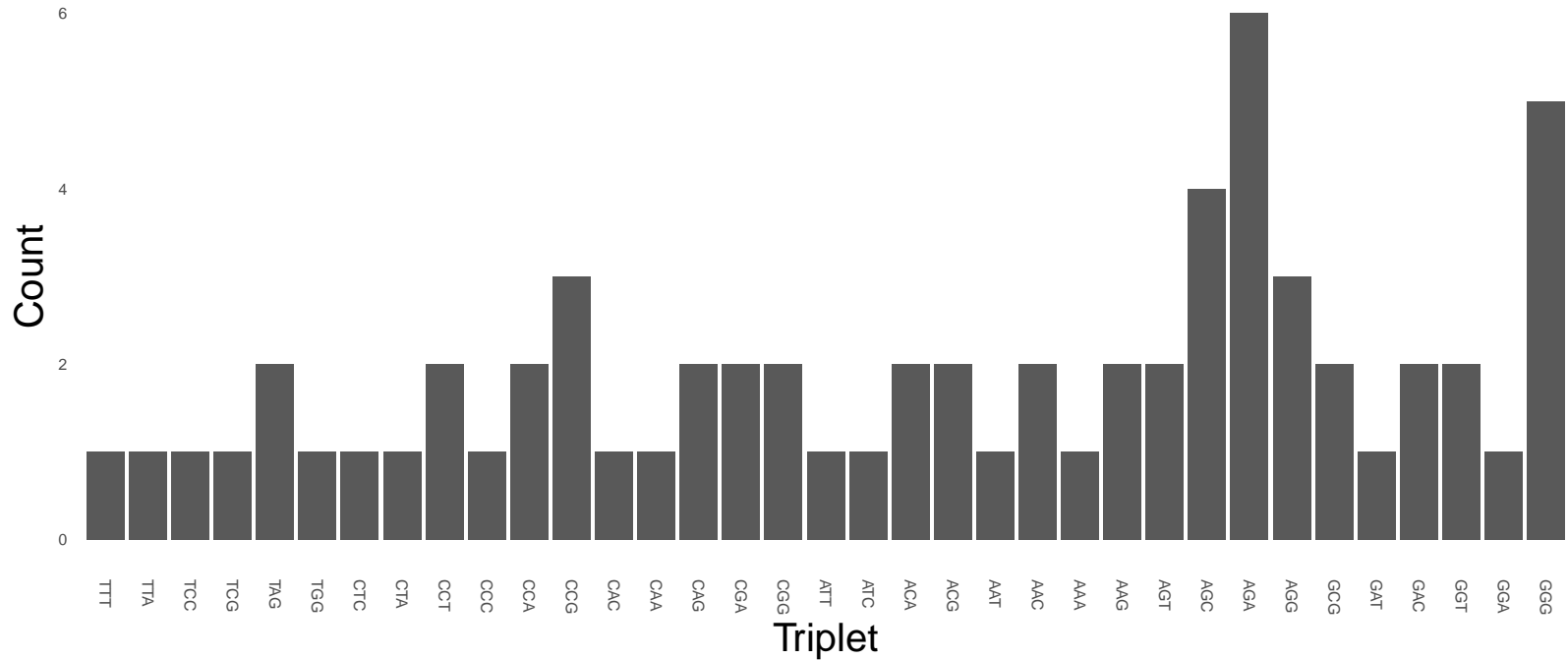
Gene TRBV7-1*ap01_G291C_T296C



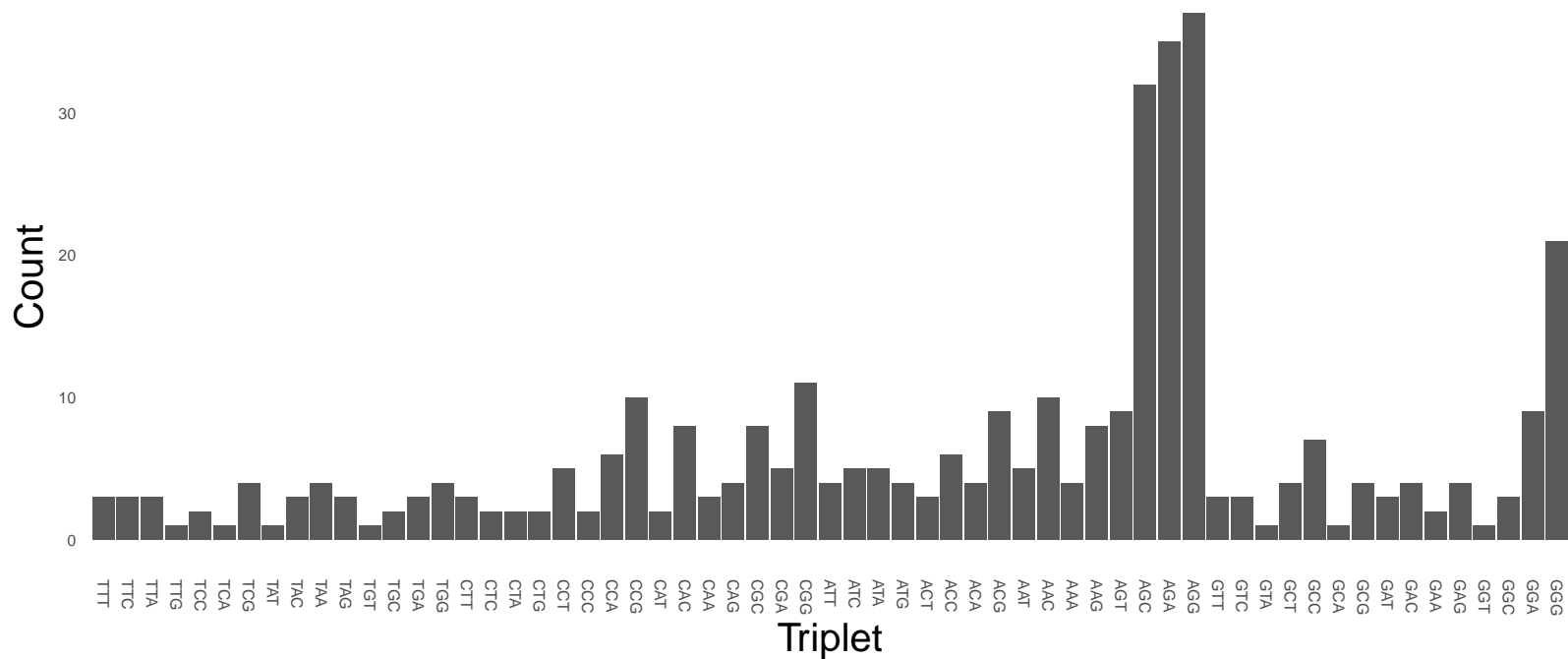
Gene TRBV7-7*ap01_C315T



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

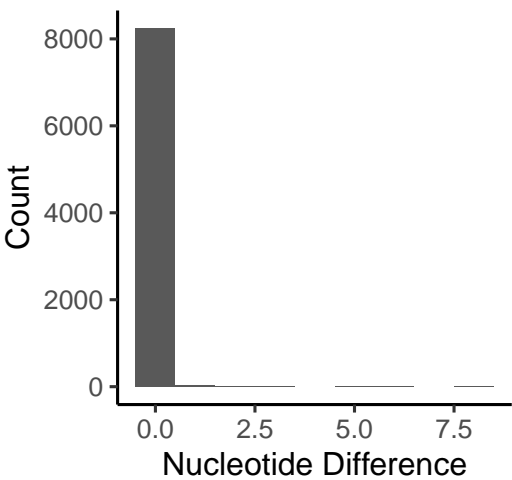


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



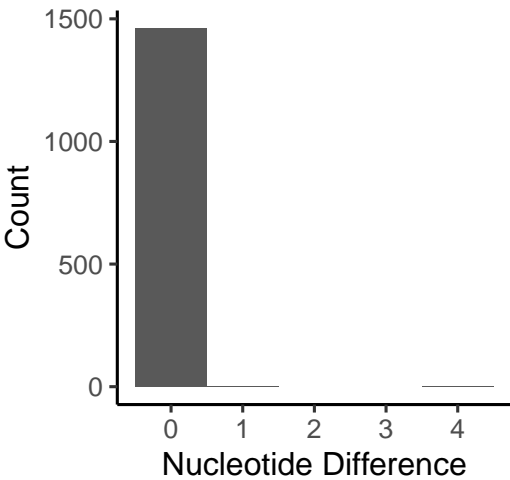
TRBV20-1*ap01

8283 sequences assigned
8241 (99.5%) exact matches, in which:
8214 unique CDR3
13 unique J



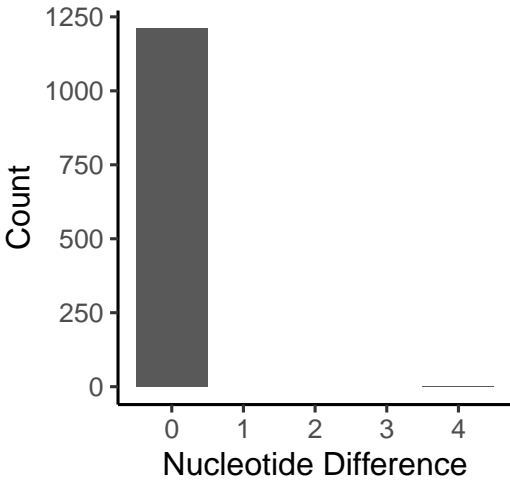
TRBV10-3*ap01

1465 sequences assigned
1461 (99.7%) exact matches, in which:
1460 unique CDR3
13 unique J



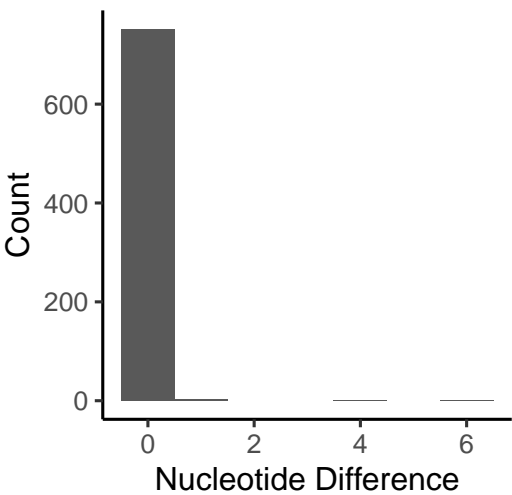
TRBV14*ap01

1212 sequences assigned
1211 (99.9%) exact matches, in which:
1210 unique CDR3
13 unique J



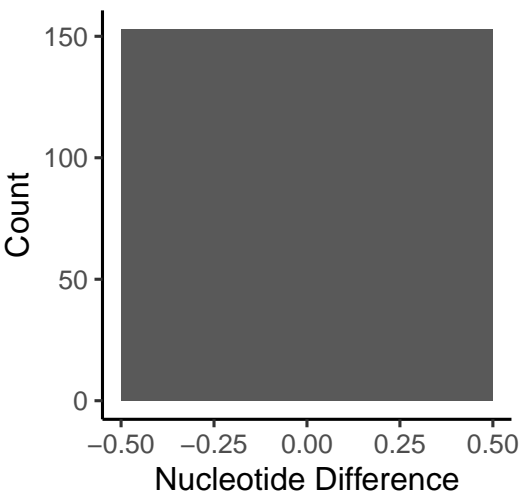
TRBV10-1*ap01

757 sequences assigned
752 (99.3%) exact matches, in which:
749 unique CDR3
13 unique J



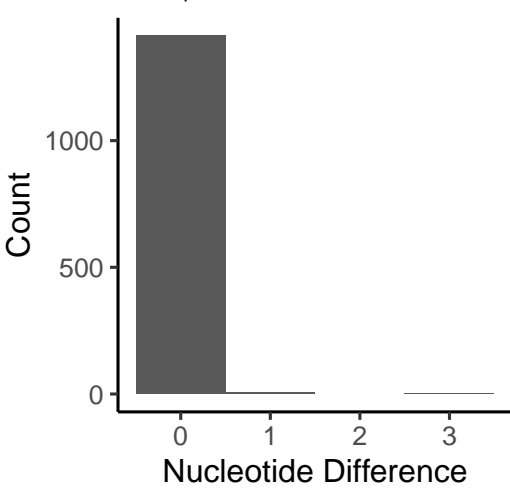
TRBV1*ap01

153 sequences assigned
153 (100%) exact matches, in which:
153 unique CDR3
13 unique J



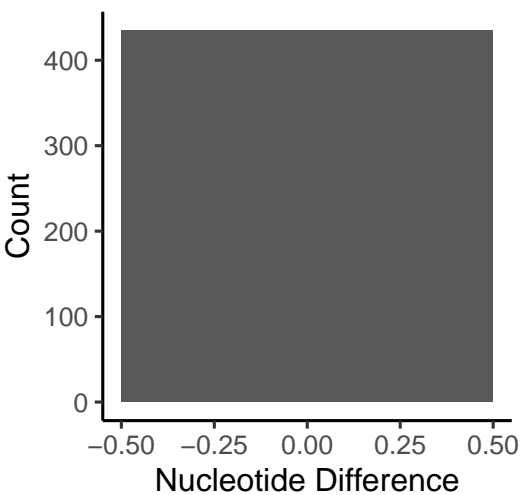
TRBV15*ap02

1422 sequences assigned
1414 (99.4%) exact matches, in which:
1408 unique CDR3
13 unique J



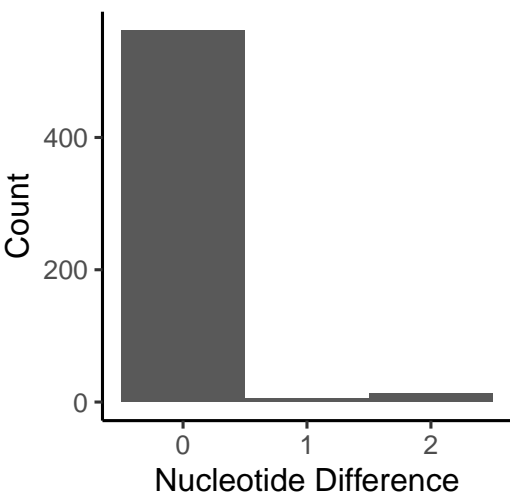
TRBV10-2*ap01

435 sequences assigned
435 (100%) exact matches, in which:
434 unique CDR3
13 unique J



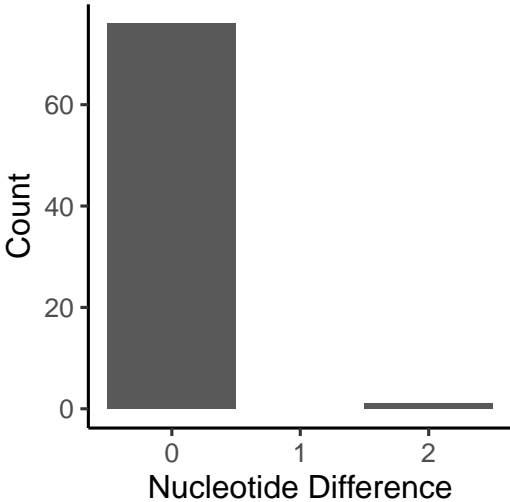
TRBV13*ap01

580 sequences assigned
562 (96.9%) exact matches, in which:
559 unique CDR3
13 unique J



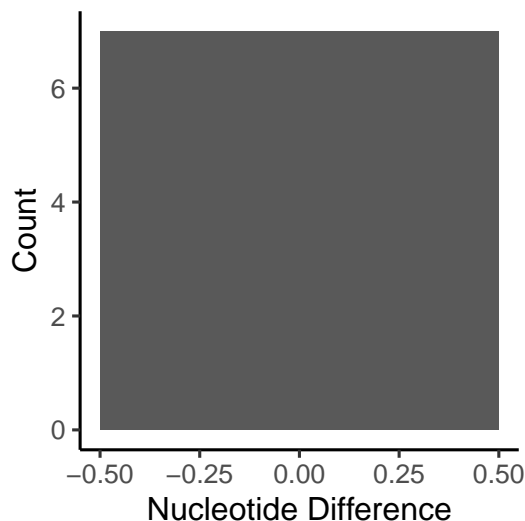
TRBV16*ap01

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



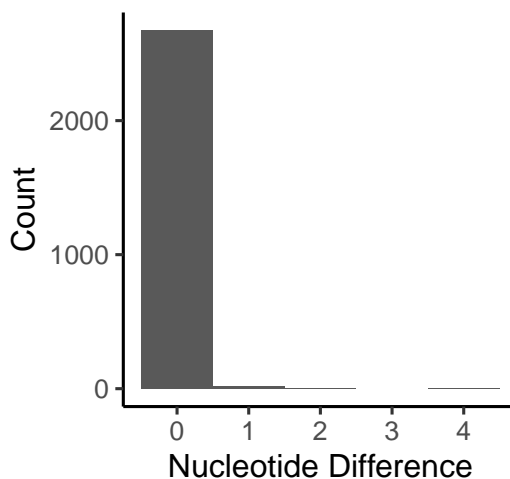
TRBV17*ap01

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
5 unique J



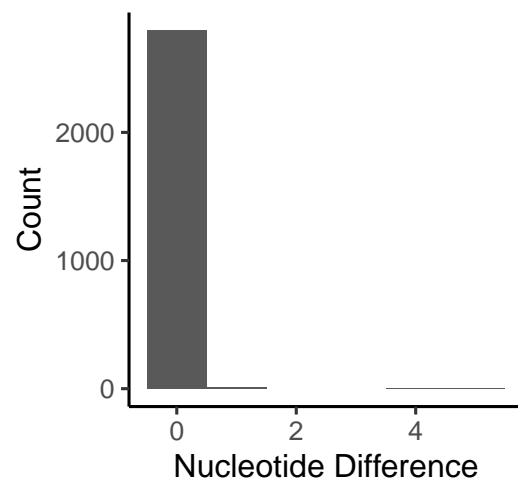
TRBV2*ap01

2695 sequences assigned
2673 (99.2%) exact matches, in which:
2670 unique CDR3
14 unique J



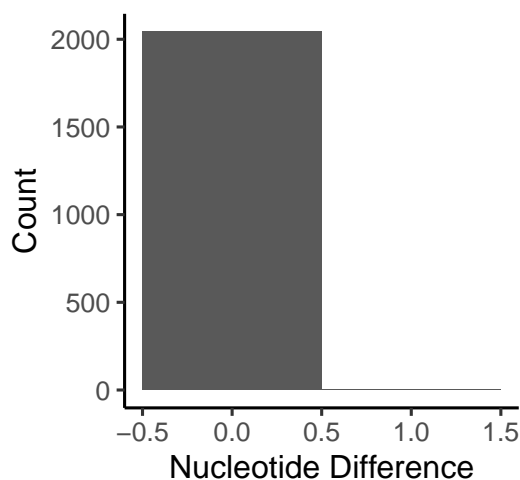
TRBV30*ap01

2813 sequences assigned
2796 (99.4%) exact matches, in which:
2790 unique CDR3
13 unique J



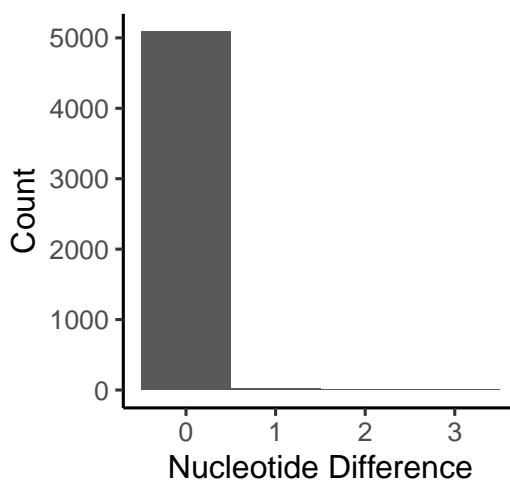
TRBV18*ap01

2045 sequences assigned
2043 (99.9%) exact matches, in which:
2042 unique CDR3
13 unique J



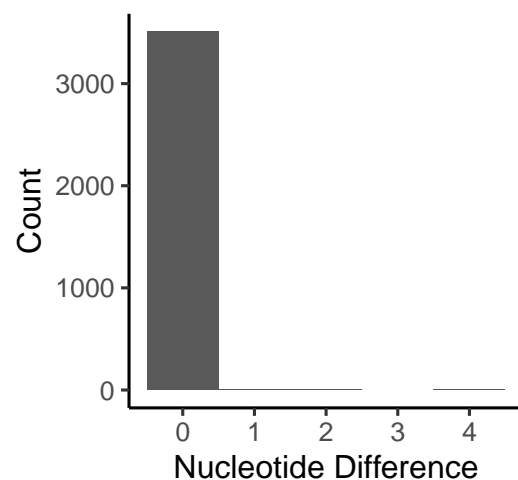
TRBV27*ap01

5106 sequences assigned
5087 (99.6%) exact matches, in which:
5079 unique CDR3
13 unique J



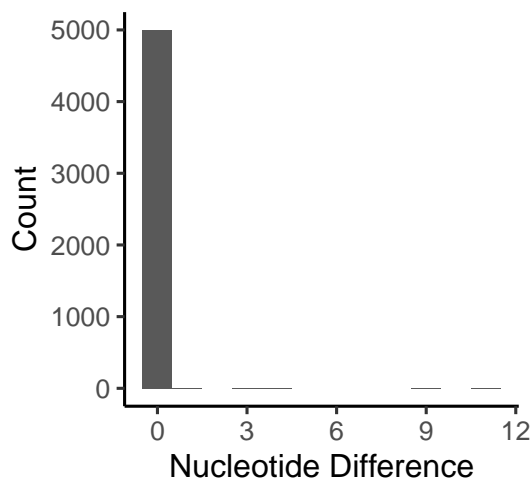
TRBV9*ap01

3518 sequences assigned
3508 (99.7%) exact matches, in which:
3503 unique CDR3
13 unique J



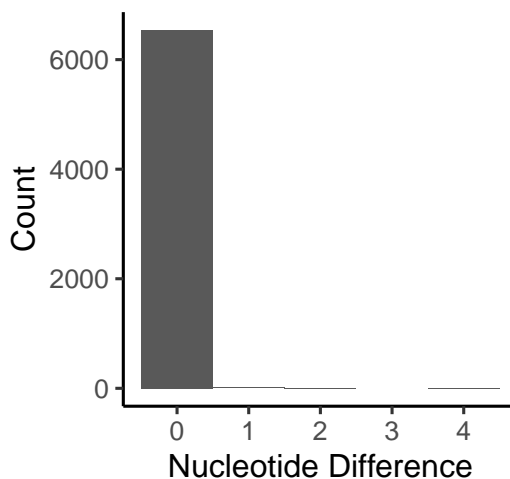
TRBV19*ap01

5010 sequences assigned
4998 (99.8%) exact matches, in which:
4996 unique CDR3
13 unique J



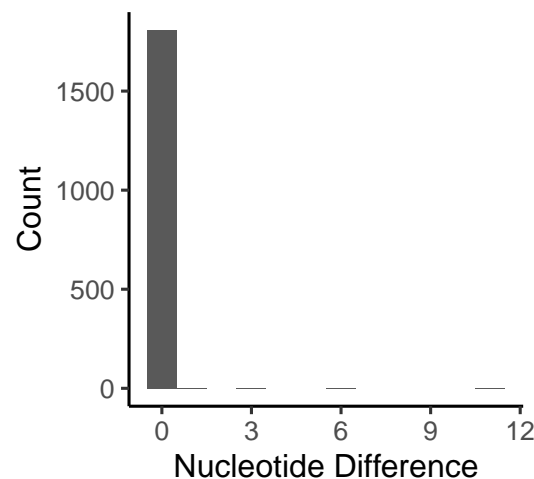
TRBV28*ap01

6554 sequences assigned
6540 (99.8%) exact matches, in which:
6528 unique CDR3
13 unique J



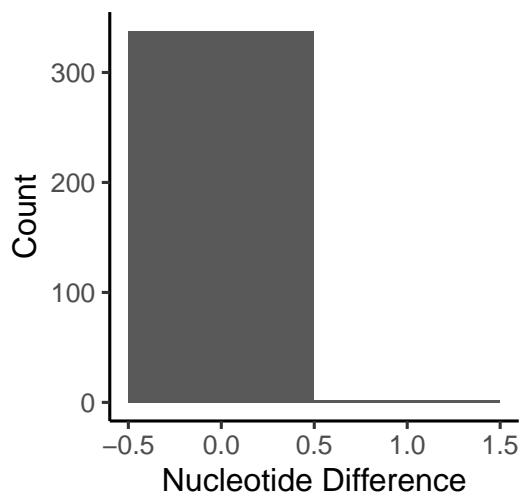
TRBV21-1*ap01

1814 sequences assigned
1808 (99.7%) exact matches, in which:
1806 unique CDR3
13 unique J



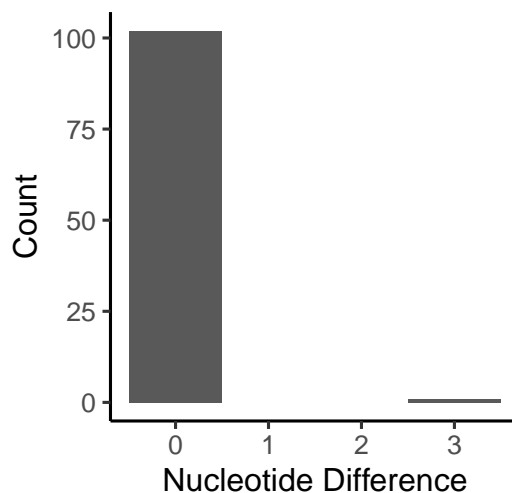
TRBV11-1*ap01

340 sequences assigned
338 (99.4%) exact matches, in which:
337 unique CDR3
13 unique J



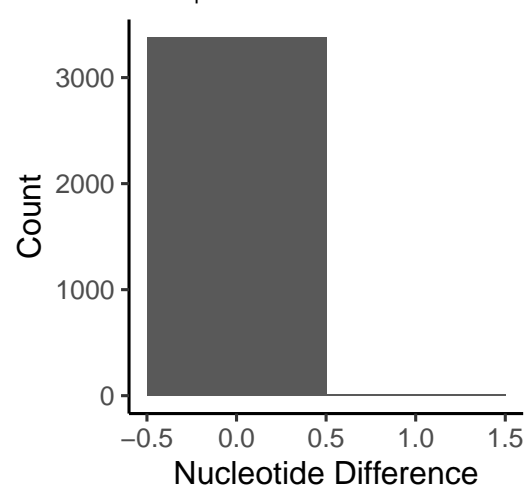
TRBV12-1*ap01

103 sequences assigned
102 (99%) exact matches, in which:
102 unique CDR3
12 unique J



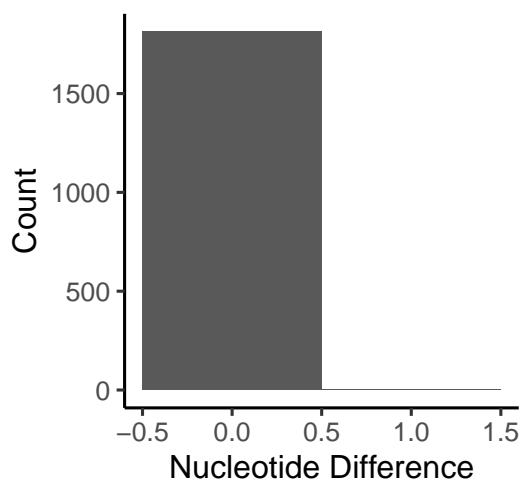
TRBV12-34*ap01

3389 sequences assigned
3379 (99.7%) exact matches, in which:
3374 unique CDR3
13 unique J



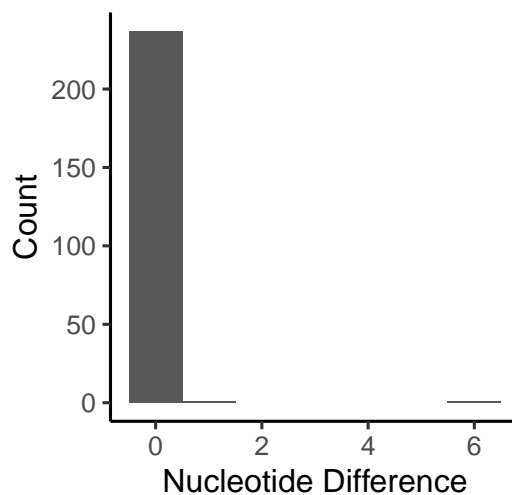
TRBV11-2*ap01

1815 sequences assigned
1813 (99.9%) exact matches, in which:
1812 unique CDR3
13 unique J



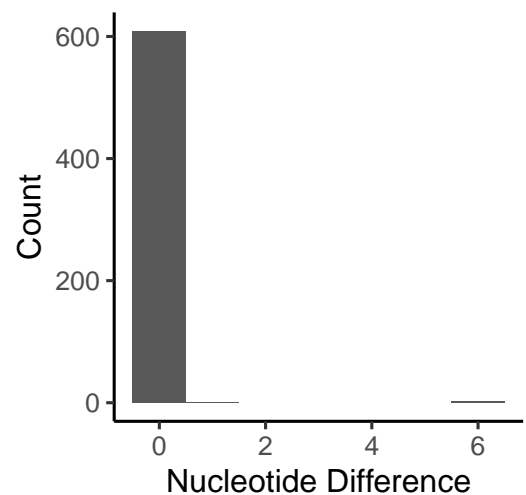
TRBV12-2*ap01

239 sequences assigned
237 (99.2%) exact matches, in which:
237 unique CDR3
13 unique J



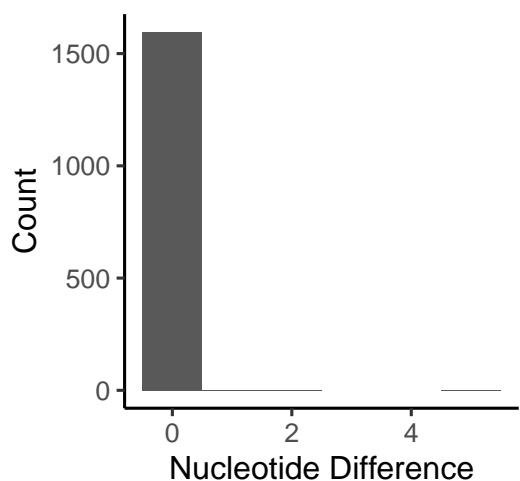
TRBV23-1*ap01

612 sequences assigned
609 (99.5%) exact matches, in which:
608 unique CDR3
13 unique J



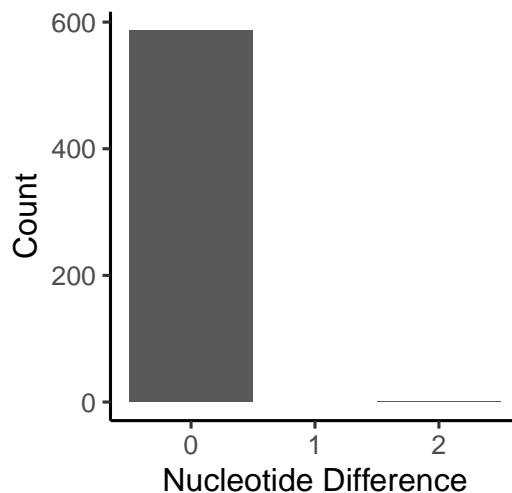
TRBV11-3*ap01

1600 sequences assigned
1596 (99.8%) exact matches, in which:
1593 unique CDR3
13 unique J



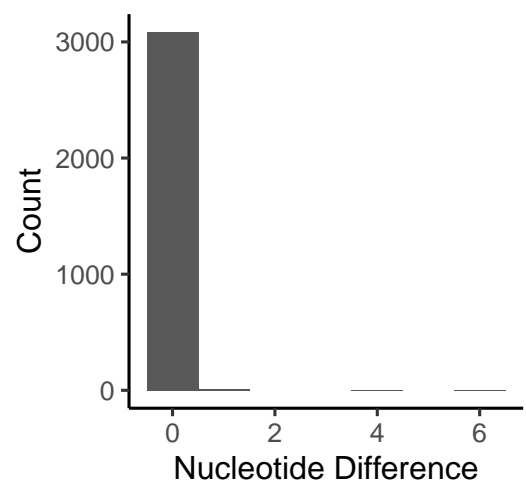
TRBV12-5*ap01

588 sequences assigned
587 (99.8%) exact matches, in which:
587 unique CDR3
13 unique J



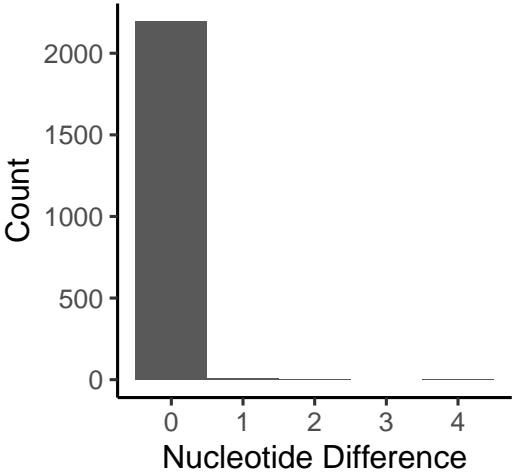
TRBV3-12*ap01

3098 sequences assigned
3085 (99.6%) exact matches, in which:
3082 unique CDR3
13 unique J



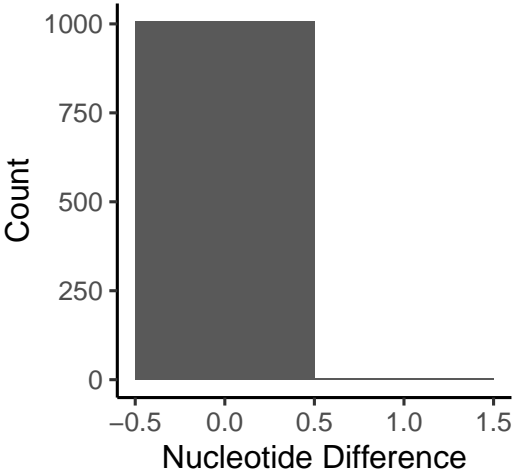
TRBV24-1*ap01

2208 sequences assigned
2195 (99.4%) exact matches, in which:
2193 unique CDR3
13 unique J



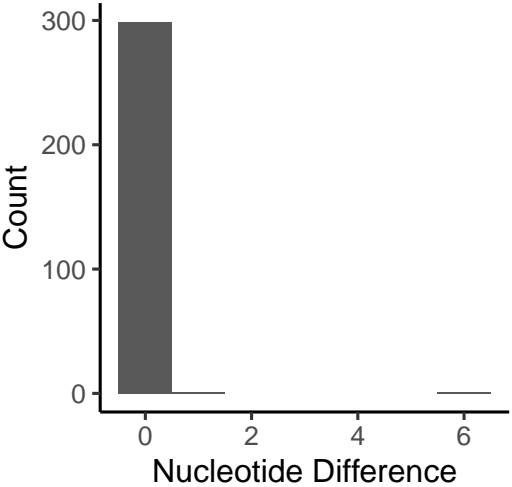
TRBV4-3*ap01

1010 sequences assigned
1007 (99.7%) exact matches, in which:
1005 unique CDR3
13 unique J



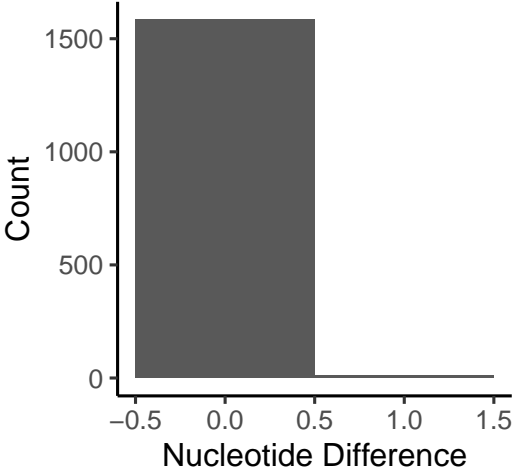
TRBV5-3*ap01

301 sequences assigned
299 (99.3%) exact matches, in which:
298 unique CDR3
13 unique J



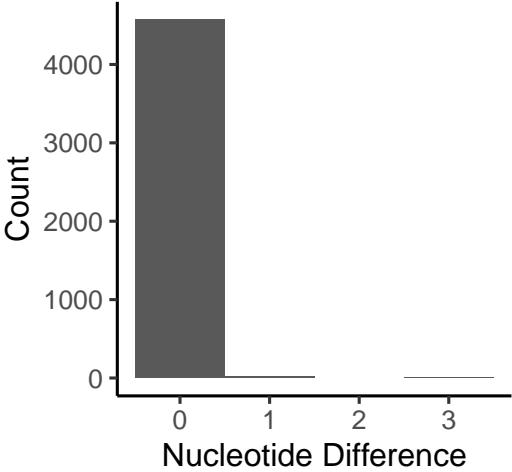
TRBV4-1*ap01

1593 sequences assigned
1584 (99.4%) exact matches, in which:
1581 unique CDR3
13 unique J



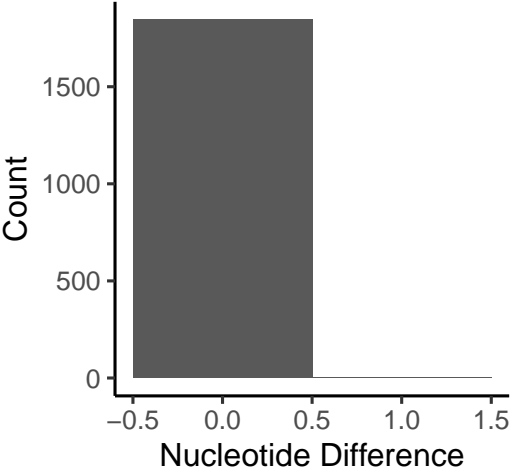
TRBV5-1*ap01

4586 sequences assigned
4571 (99.7%) exact matches, in which:
4542 unique CDR3
13 unique J



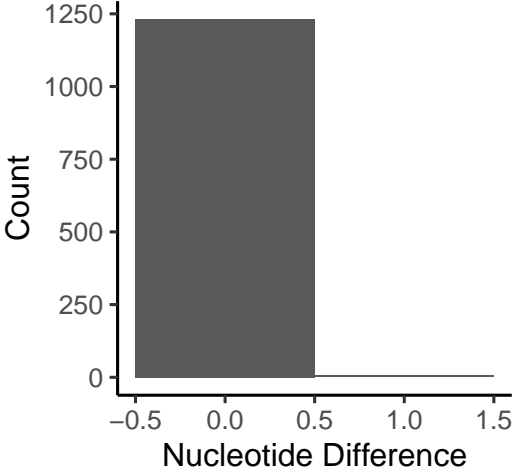
TRBV5-4*ap01

1850 sequences assigned
1845 (99.7%) exact matches, in which:
1838 unique CDR3
13 unique J



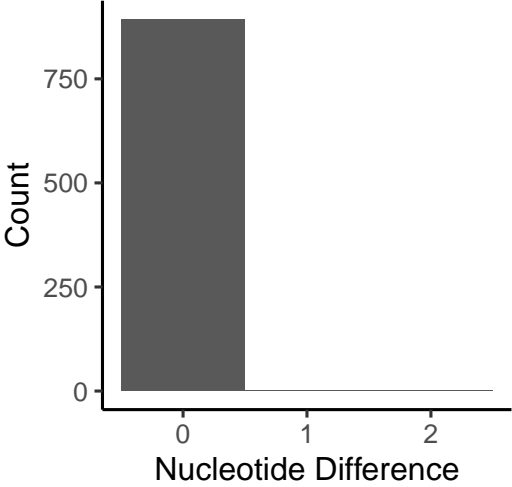
TRBV4-2*ap01

1238 sequences assigned
1232 (99.5%) exact matches, in which:
1227 unique CDR3
13 unique J



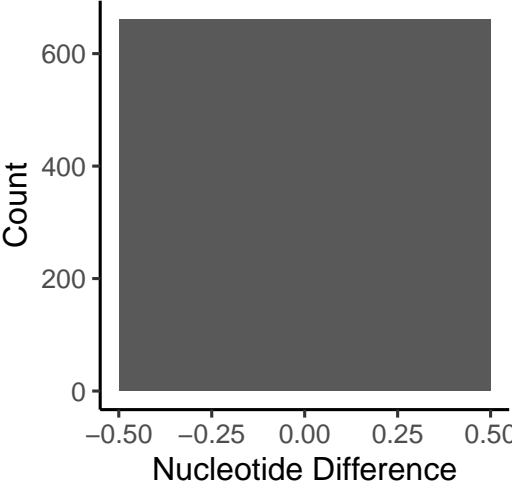
TRBV25-1*ap01

896 sequences assigned
893 (99.7%) exact matches, in which:
893 unique CDR3
13 unique J



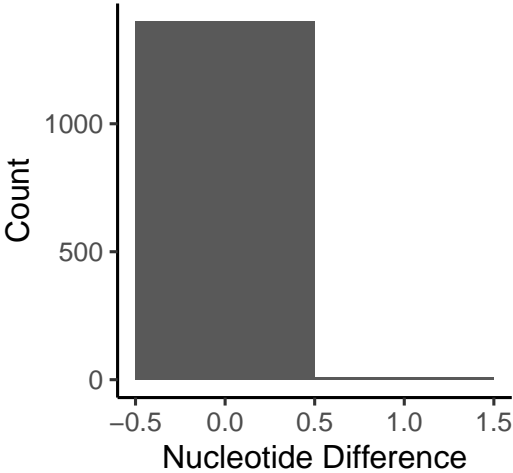
TRBV5-5*ap01

661 sequences assigned
661 (100%) exact matches, in which:
661 unique CDR3
13 unique J



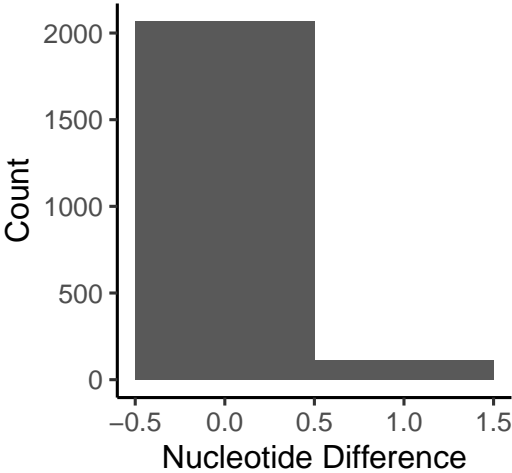
TRBV5-6*ap01

1409 sequences assigned
1400 (99.4%) exact matches, in which:
1395 unique CDR3
13 unique J



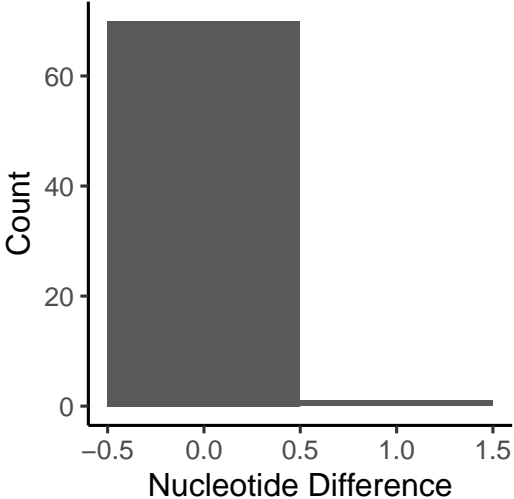
TRBV6-1*ap01

2179 sequences assigned
2067 (94.9%) exact matches, in which:
2062 unique CDR3
13 unique J



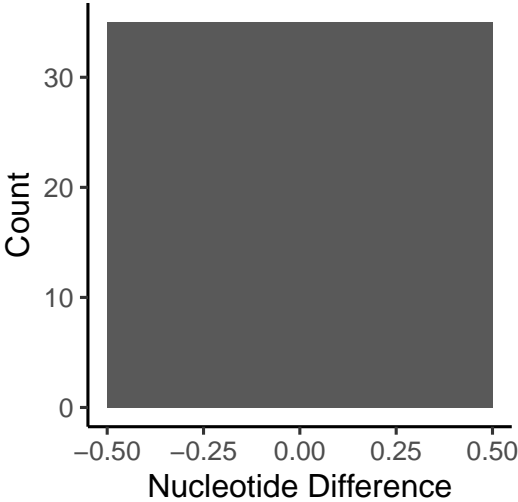
TRBV6-8*ap01

71 sequences assigned
70 (98.6%) exact matches, in which:
70 unique CDR3
12 unique J



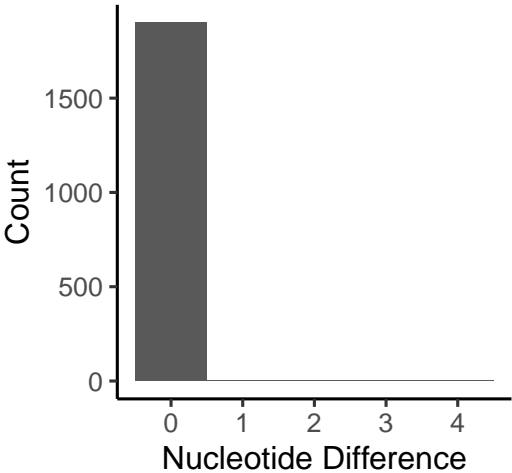
TRBV5-7*ap01

35 sequences assigned
35 (100%) exact matches, in which:
35 unique CDR3
10 unique J



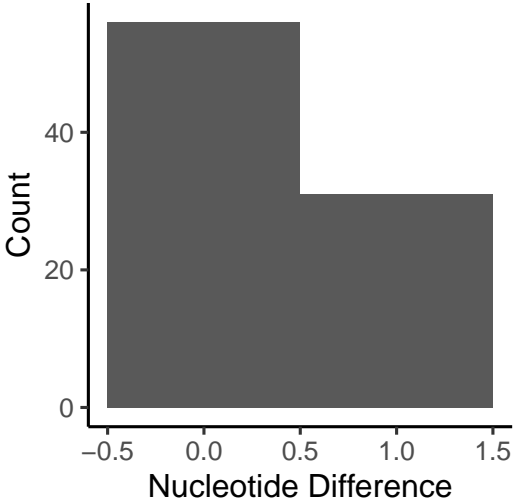
TRBV6-4*ap01

1909 sequences assigned
1900 (99.5%) exact matches, in which:
1896 unique CDR3
13 unique J



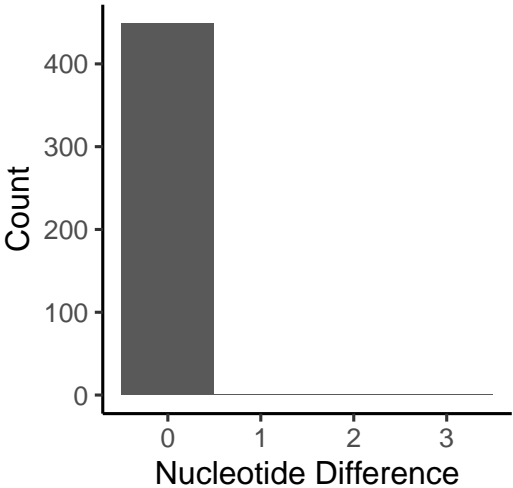
TRBV6-9*ap01

87 sequences assigned
56 (64.4%) exact matches, in which:
56 unique CDR3
12 unique J



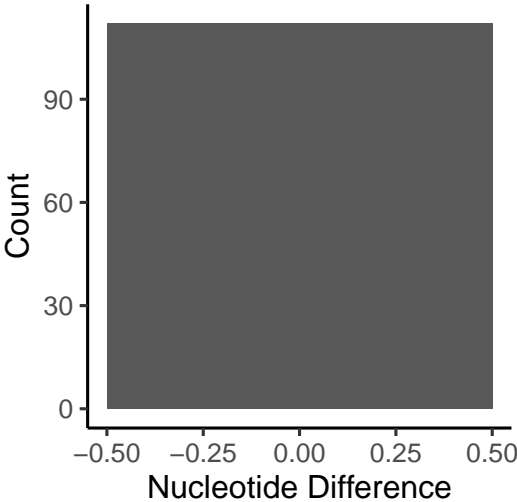
TRBV5-8*ap01

452 sequences assigned
449 (99.3%) exact matches, in which:
448 unique CDR3
13 unique J



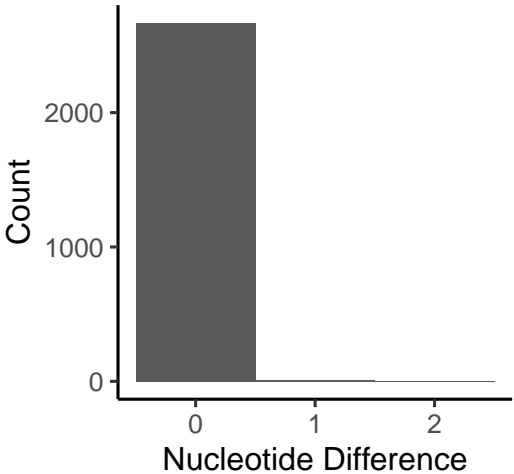
TRBV6-7*ap01

112 sequences assigned
112 (100%) exact matches, in which:
111 unique CDR3
11 unique J



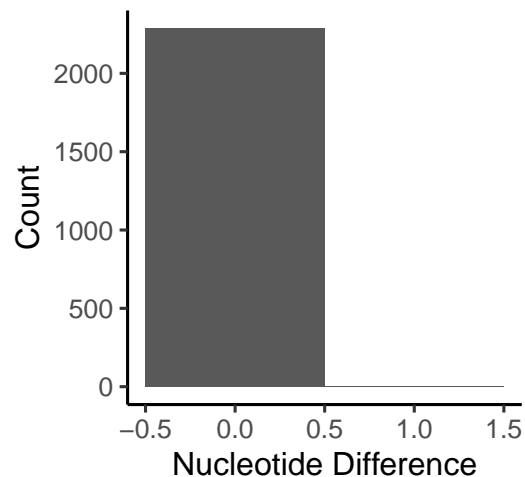
TRBV6-23*ap01

2678 sequences assigned
2667 (99.6%) exact matches, in which:
2662 unique CDR3
13 unique J



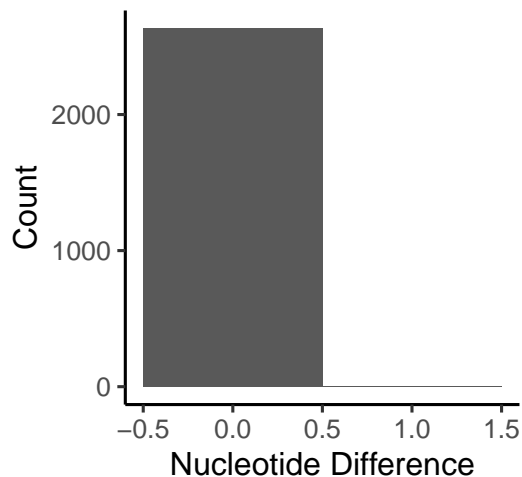
TRBV6-56*ap01

2293 sequences assigned
2287 (99.7%) exact matches, in which:
2278 unique CDR3
13 unique J



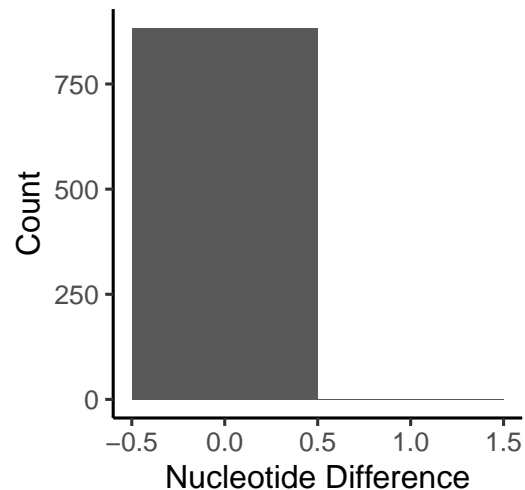
TRBV7-2*ap01

2639 sequences assigned
2633 (99.8%) exact matches, in which:
2626 unique CDR3
13 unique J



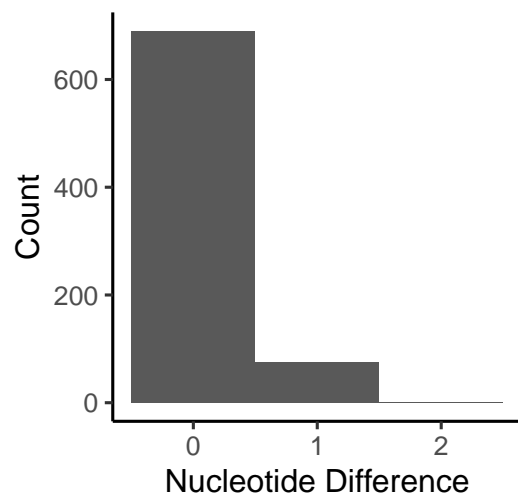
TRBV7-6*ap01

885 sequences assigned
884 (99.9%) exact matches, in which:
882 unique CDR3
13 unique J



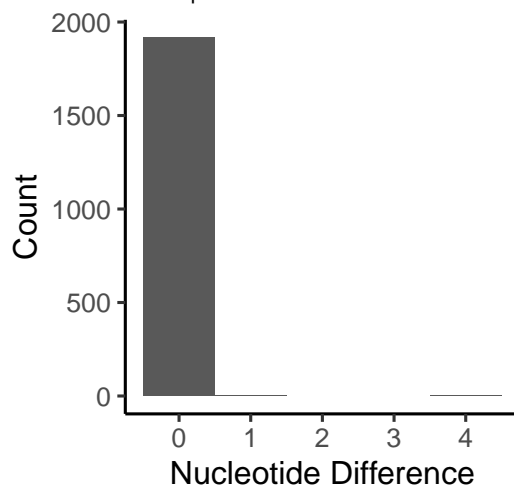
TRBV6-56*ap02

766 sequences assigned
690 (90.1%) exact matches, in which:
689 unique CDR3
13 unique J



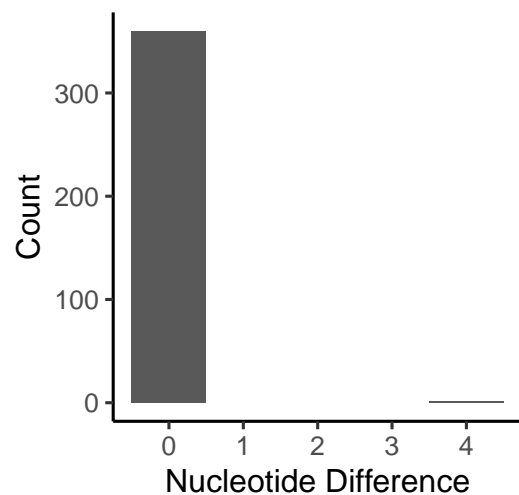
TRBV7-3*ap01

1922 sequences assigned
1916 (99.7%) exact matches, in which:
1909 unique CDR3
13 unique J



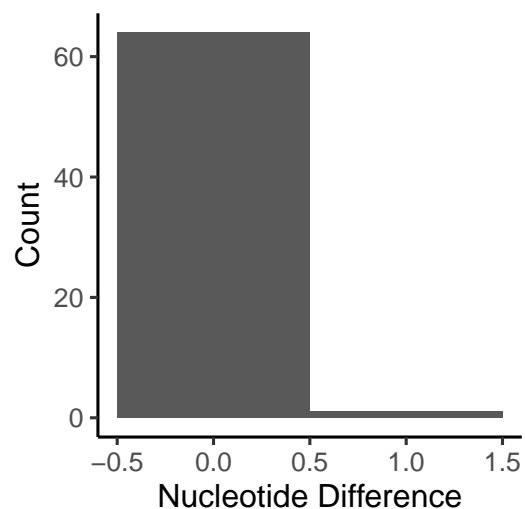
TRBV7-7*ap01_C315T

361 sequences assigned
360 (99.7%) exact matches, in which:
359 unique CDR3
13 unique J



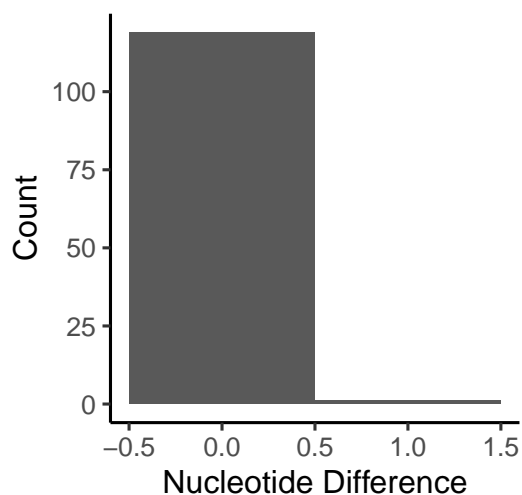
TRBV7-1*ap01_G291C_T

65 sequences assigned
64 (98.5%) exact matches, in which:
64 unique CDR3
11 unique J



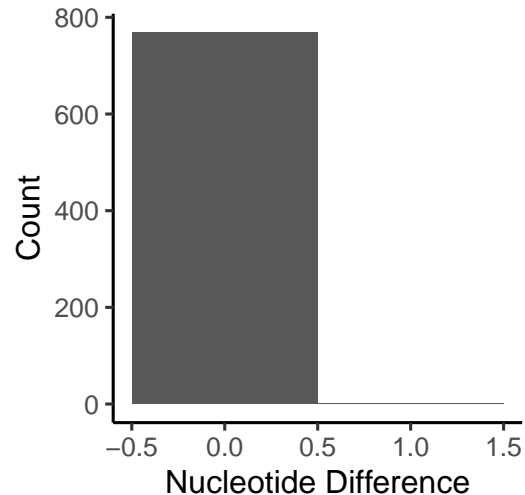
TRBV7-4*ap01

120 sequences assigned
119 (99.2%) exact matches, in which:
119 unique CDR3
13 unique J



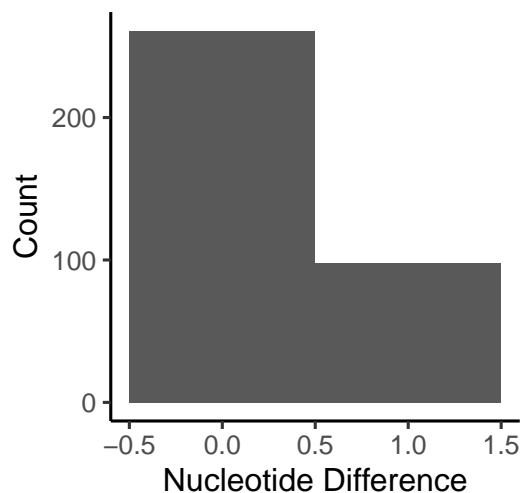
TRBV7-8*ap01

770 sequences assigned
769 (99.9%) exact matches, in which:
769 unique CDR3
13 unique J



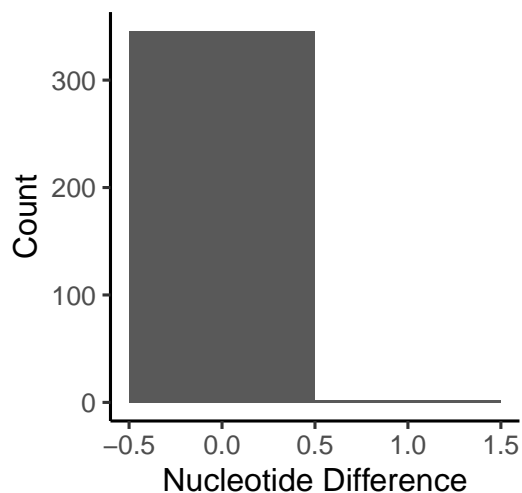
TRBV7–8*ap03

359 sequences assigned
261 (72.7%) exact matches, in which:
261 unique CDR3
13 unique J



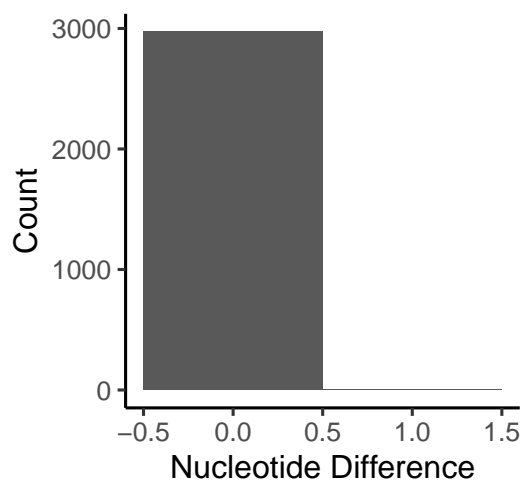
TRBV29–1*ap02

348 sequences assigned
346 (99.4%) exact matches, in which:
345 unique CDR3
13 unique J



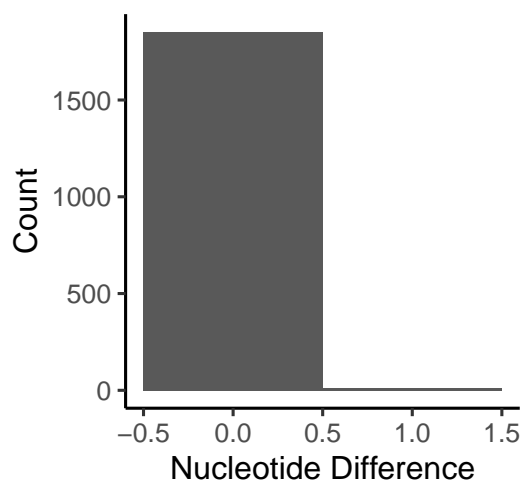
TRBV7–9*ap01

2978 sequences assigned
2973 (99.8%) exact matches, in which:
2969 unique CDR3
13 unique J

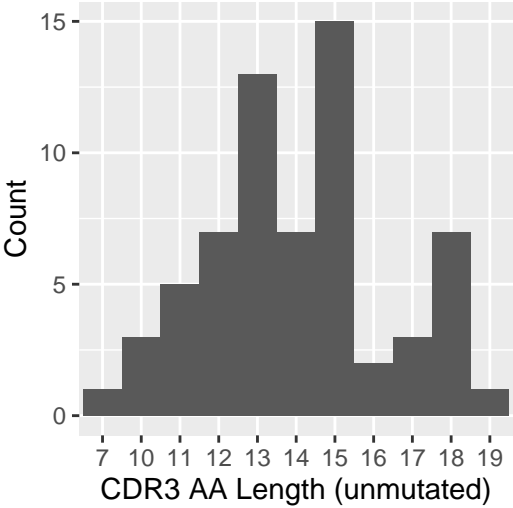


TRBV29–1*ap01

1862 sequences assigned
1851 (99.4%) exact matches, in which:
1850 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

