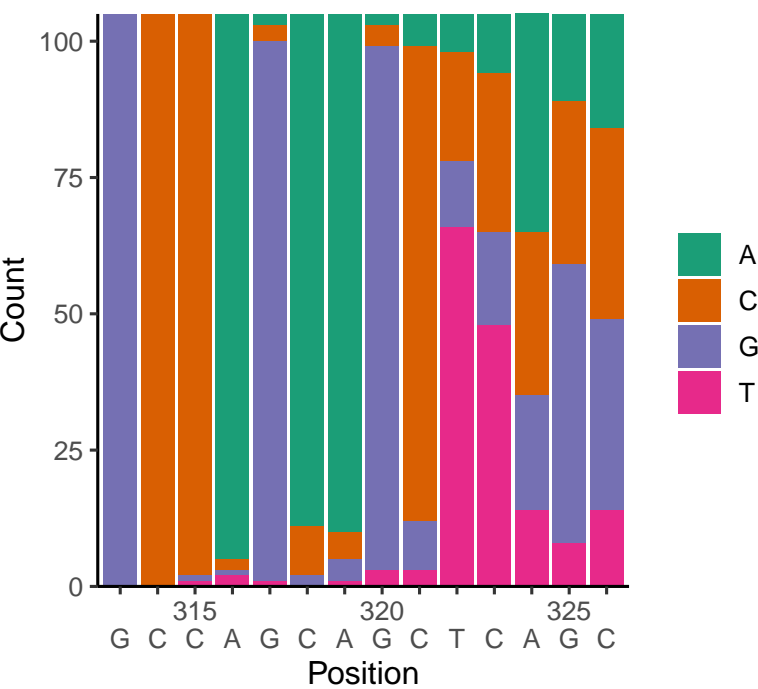
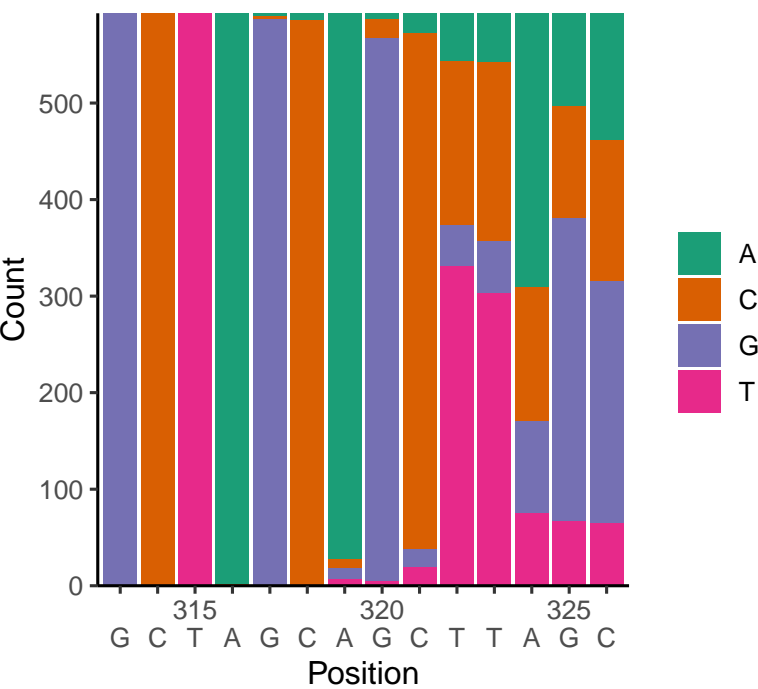


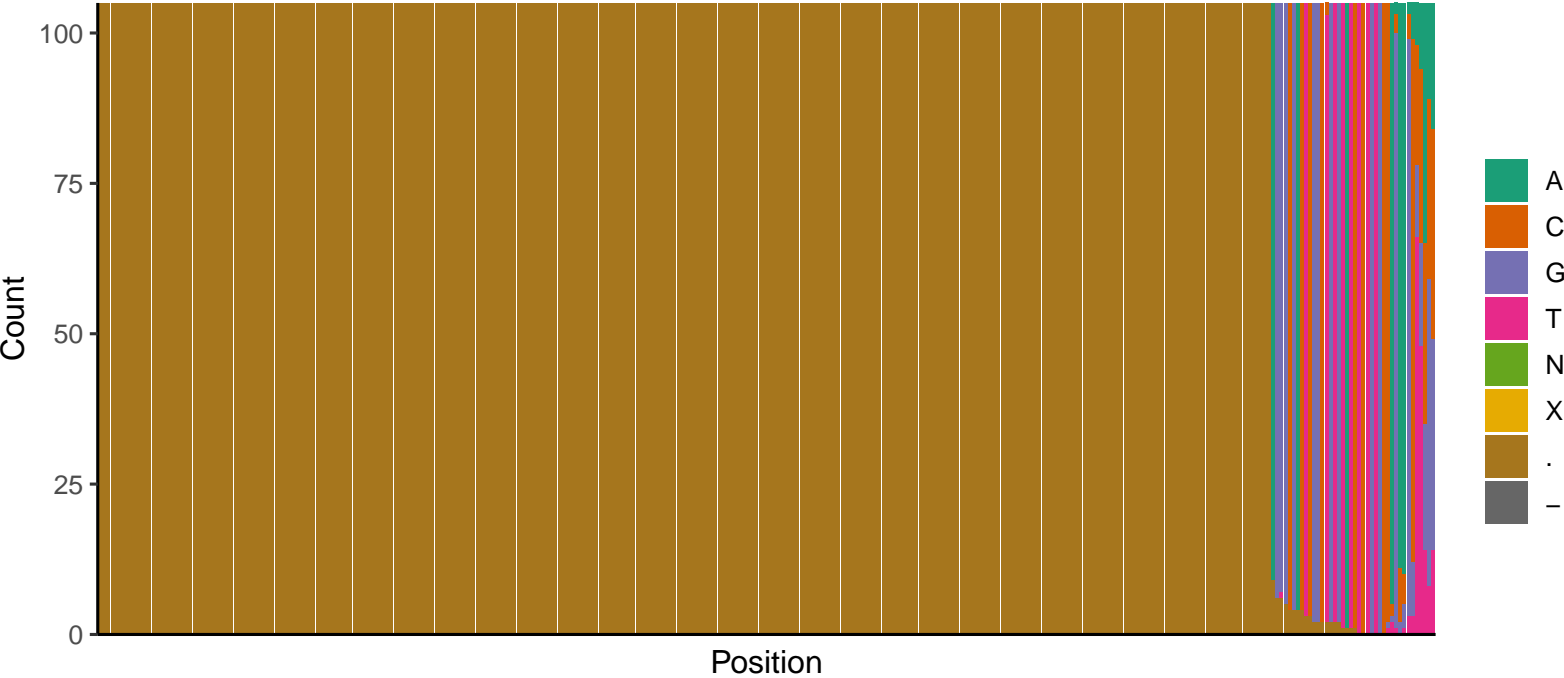
Gene TRBV7-1*ap01_G291C_T296C



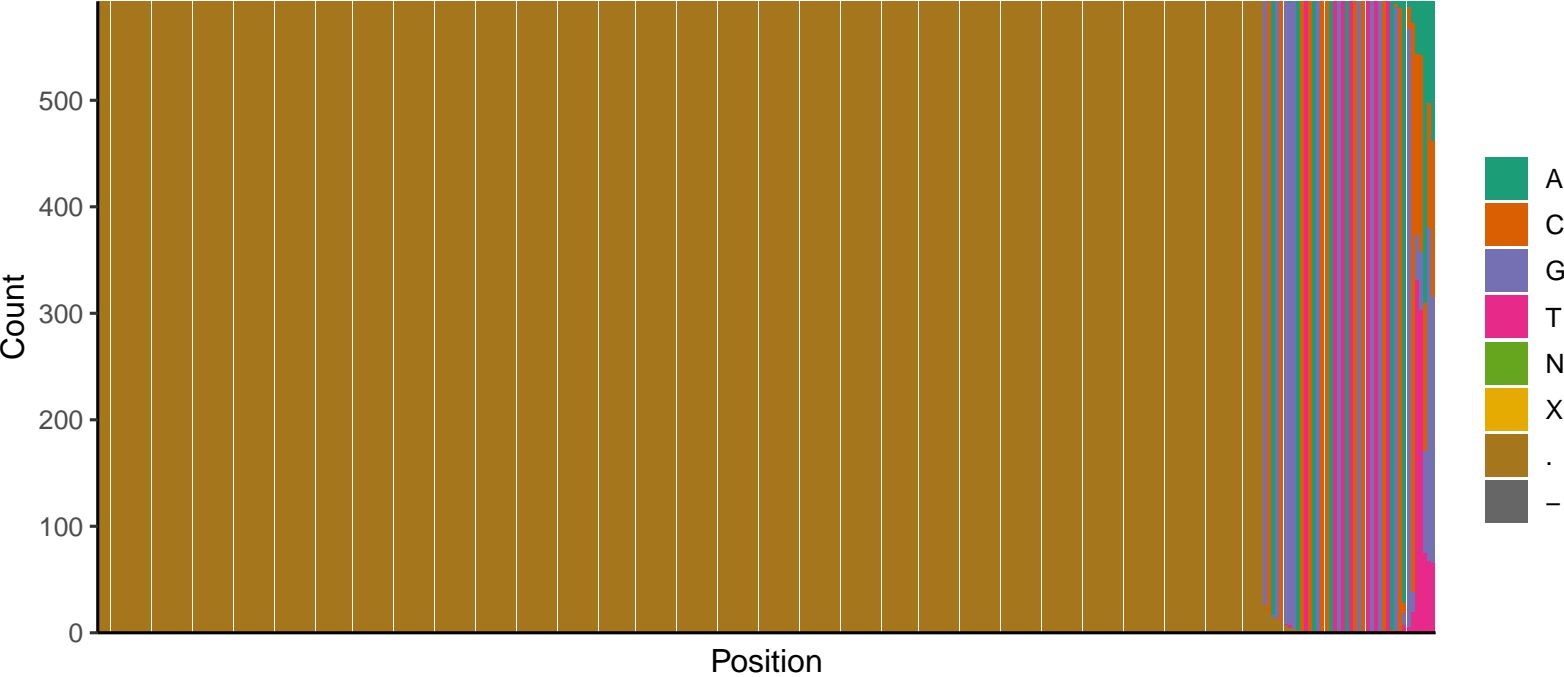
Gene TRBV7-7*ap01_C315T



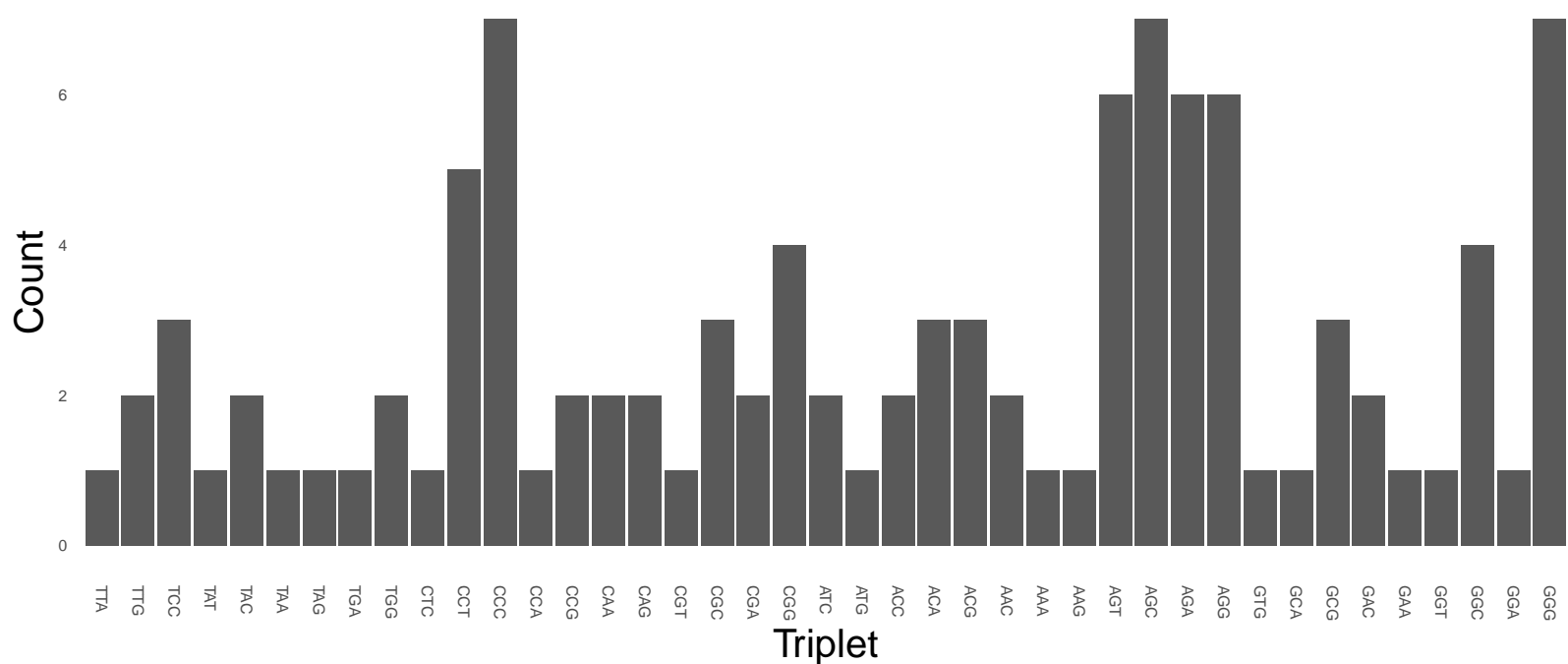
Gene TRBV7-1*ap01_G291C_T296C



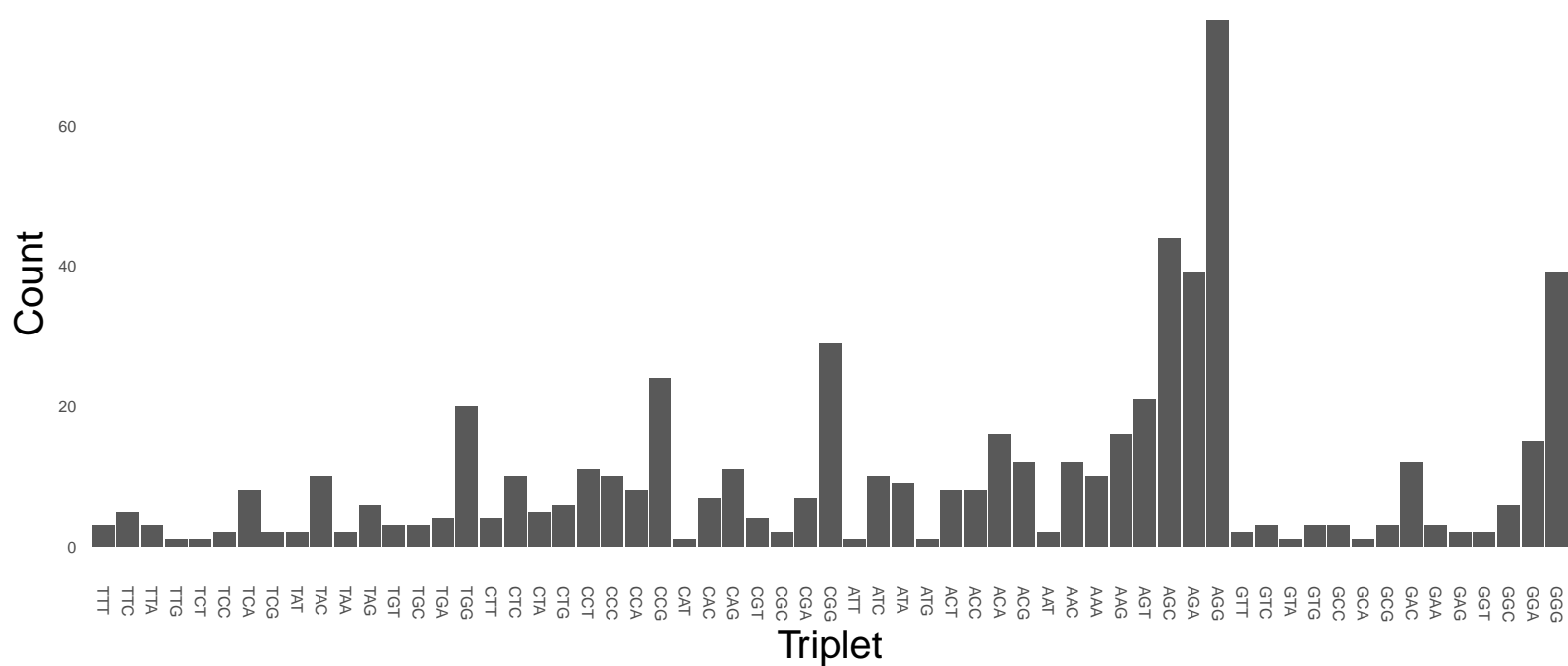
Gene TRBV7-7*ap01_C315T



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

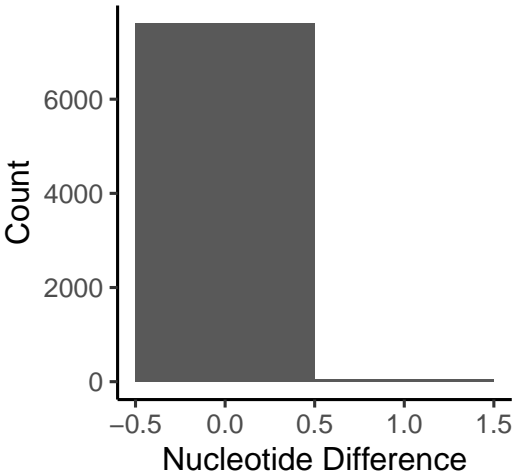


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



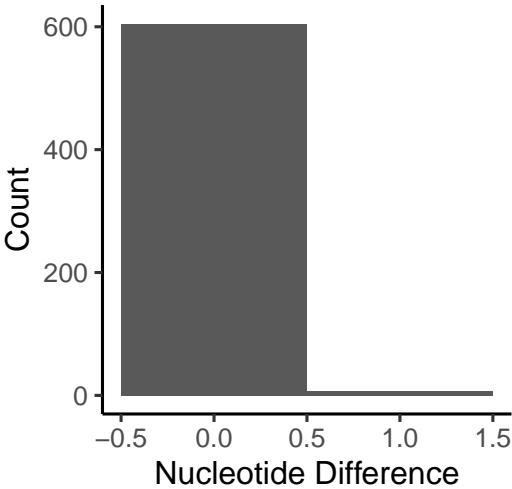
TRBV20-1*ap01

7657 sequences assigned
7610 (99.4%) exact matches, in which:
7560 unique CDR3
13 unique J



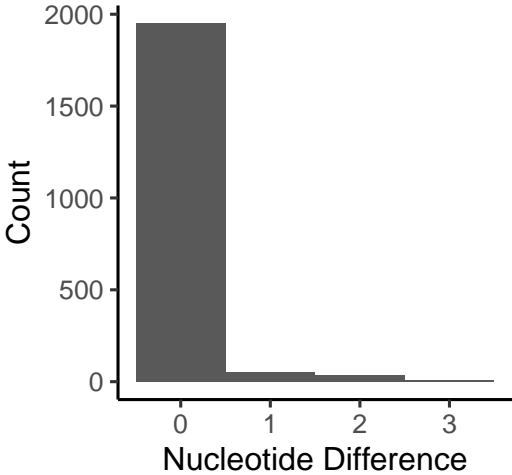
TRBV10-2*ap01

612 sequences assigned
605 (98.9%) exact matches, in which:
599 unique CDR3
13 unique J



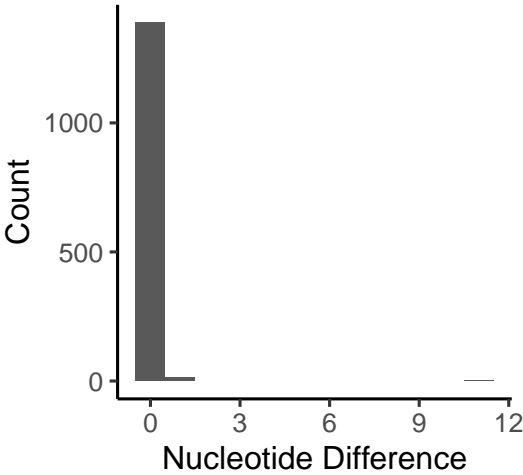
TRBV13*ap01

2044 sequences assigned
1950 (95.4%) exact matches, in which:
1927 unique CDR3
13 unique J



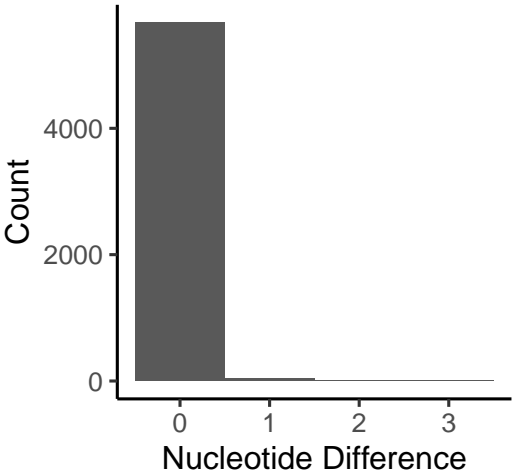
TRBV10-1*ap01

1401 sequences assigned
1388 (99.1%) exact matches, in which:
1368 unique CDR3
13 unique J



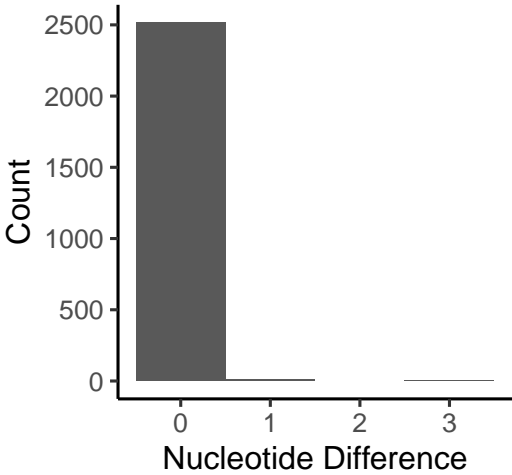
TRBV10-3*ap01

5711 sequences assigned
5672 (99.3%) exact matches, in which:
5626 unique CDR3
13 unique J



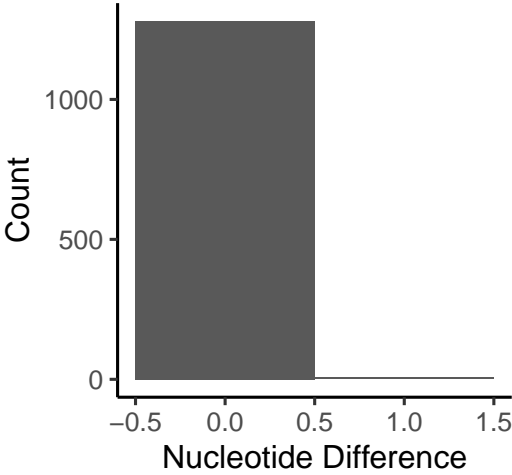
TRBV14*ap01

2529 sequences assigned
2515 (99.4%) exact matches, in which:
2503 unique CDR3
13 unique J



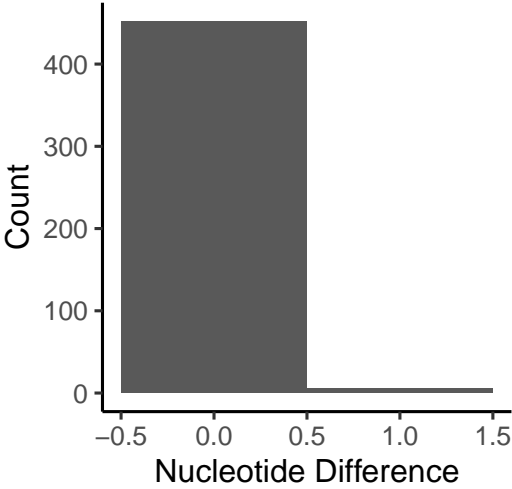
TRBV20-1*ap02

1286 sequences assigned
1280 (99.5%) exact matches, in which:
1267 unique CDR3
13 unique J



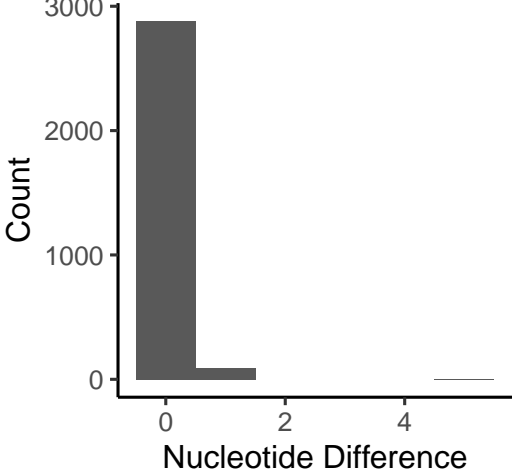
TRBV1*ap01

457 sequences assigned
452 (98.9%) exact matches, in which:
441 unique CDR3
13 unique J



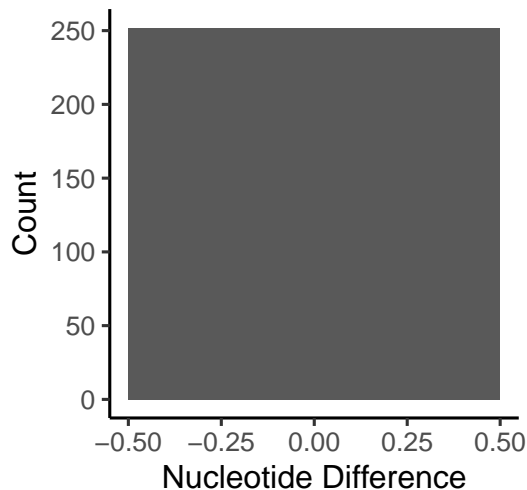
TRBV15*ap02

2972 sequences assigned
2881 (96.9%) exact matches, in which:
2845 unique CDR3
13 unique J



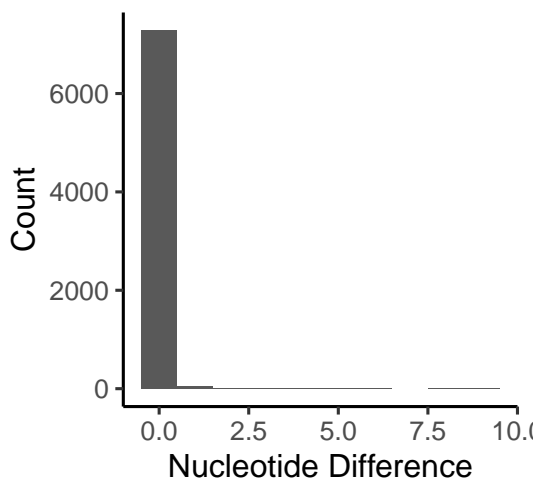
TRBV16*ap01

252 sequences assigned
252 (100%) exact matches, in which:
251 unique CDR3
12 unique J



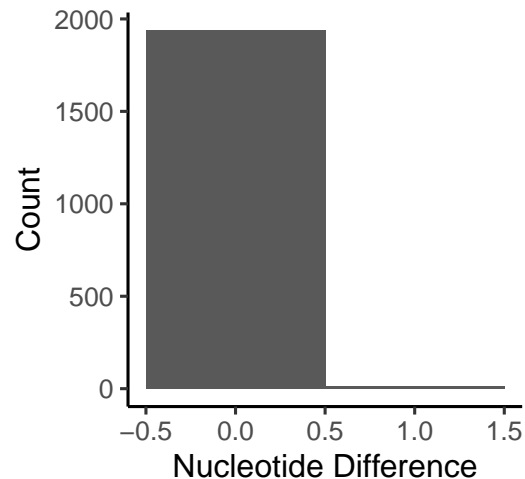
TRBV19*ap01

7343 sequences assigned
7283 (99.2%) exact matches, in which:
7256 unique CDR3
13 unique J



TRBV28*ap01

1950 sequences assigned
1938 (99.4%) exact matches, in which:
1928 unique CDR3
13 unique J



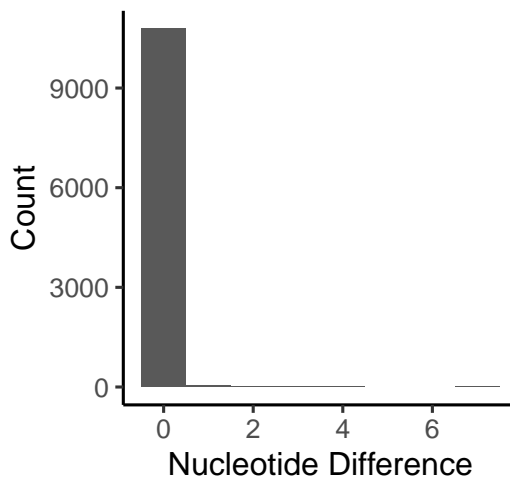
TRBV17*ap01

1 sequences assigned
No exact matches.



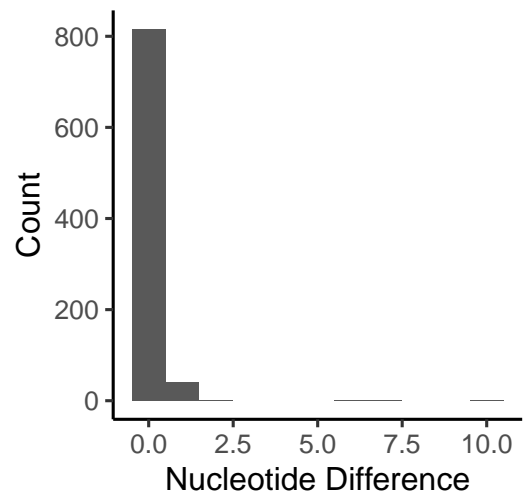
TRBV2*ap01

10849 sequences assigned
10785 (99.4%) exact matches, in which:
10730 unique CDR3
13 unique J



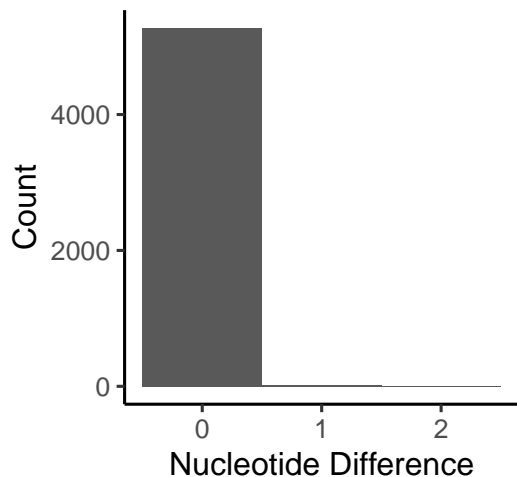
TRBV30*ap02

861 sequences assigned
816 (94.8%) exact matches, in which:
802 unique CDR3
14 unique J



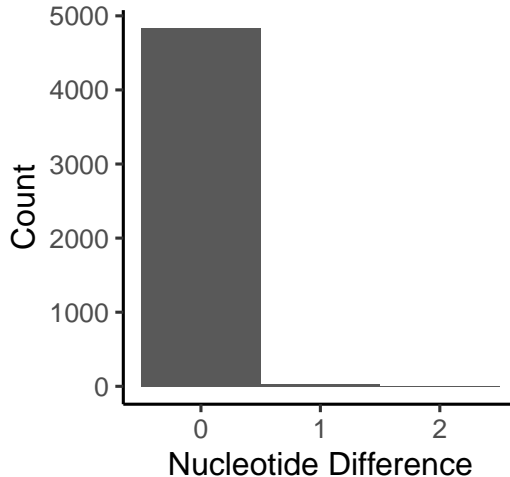
TRBV18*ap01

5289 sequences assigned
5273 (99.7%) exact matches, in which:
5255 unique CDR3
13 unique J



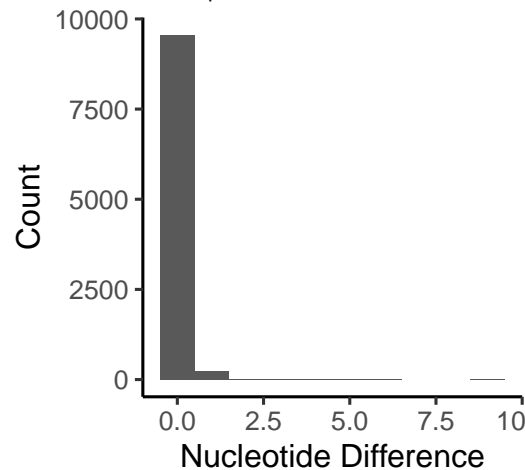
TRBV27*ap01

4871 sequences assigned
4835 (99.3%) exact matches, in which:
4806 unique CDR3
13 unique J



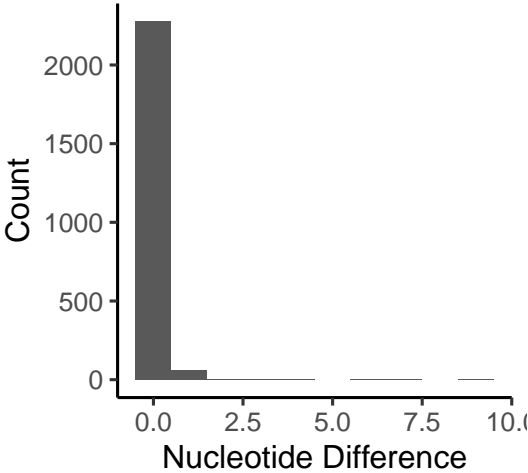
TRBV9*ap01

9795 sequences assigned
9560 (97.6%) exact matches, in which:
9492 unique CDR3
13 unique J



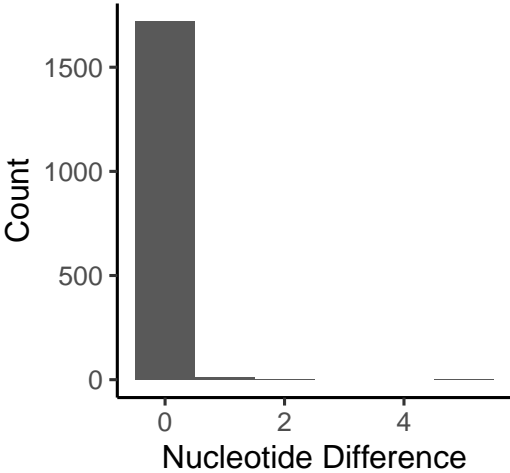
TRBV21-1*ap01

2346 sequences assigned
2277 (97.1%) exact matches, in which:
2256 unique CDR3
13 unique J



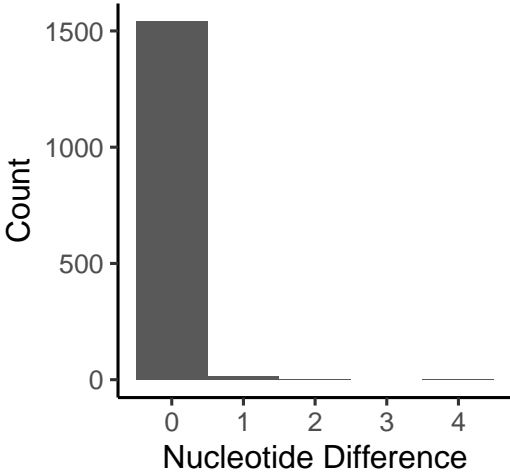
TRBV11-3*ap01

1736 sequences assigned
1720 (99.1%) exact matches, in which:
1709 unique CDR3
13 unique J



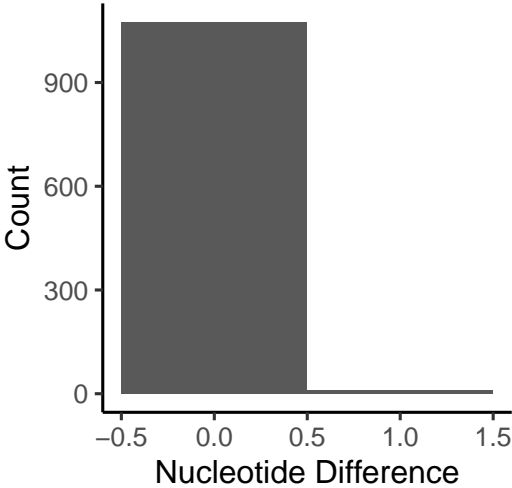
TRBV12-5*ap01

1559 sequences assigned
1541 (98.8%) exact matches, in which:
1535 unique CDR3
13 unique J



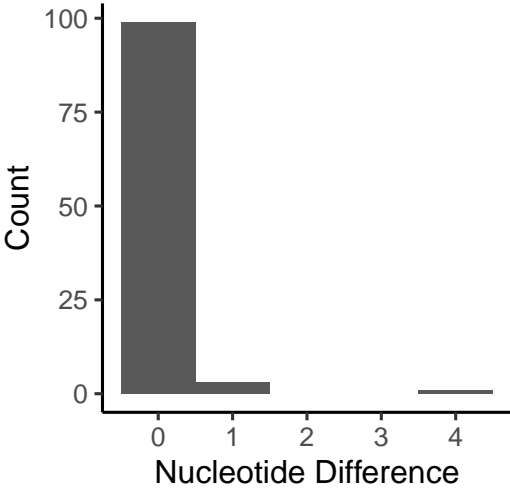
TRBV11-1*ap01

1086 sequences assigned
1075 (99%) exact matches, in which:
1067 unique CDR3
13 unique J



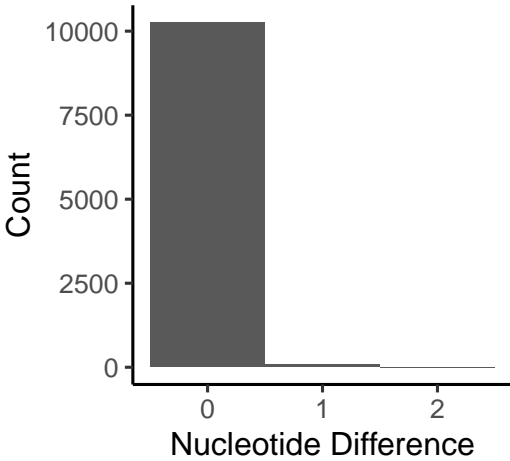
TRBV12-1*ap01

103 sequences assigned
99 (96.1%) exact matches, in which:
99 unique CDR3
13 unique J



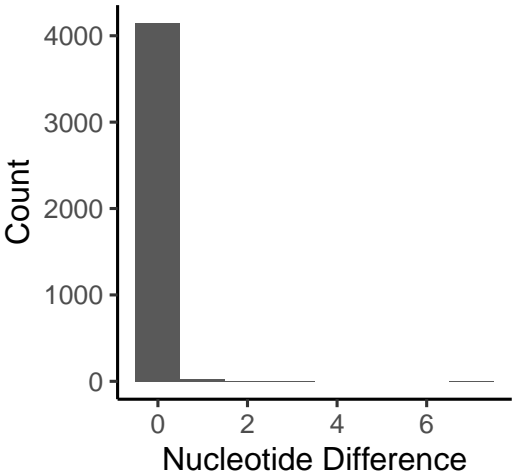
TRBV12-34*ap01

10343 sequences assigned
10258 (99.2%) exact matches, in which:
10197 unique CDR3
13 unique J



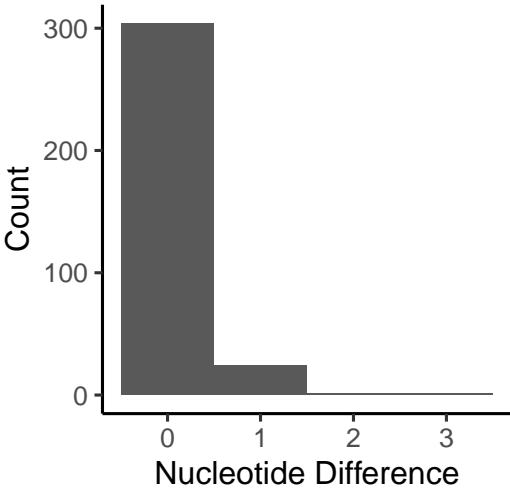
TRBV11-2*ap01

4178 sequences assigned
4147 (99.3%) exact matches, in which:
4125 unique CDR3
13 unique J



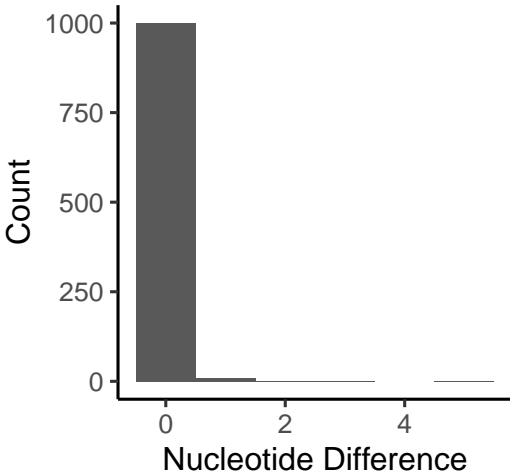
TRBV12-2*ap01

330 sequences assigned
304 (92.1%) exact matches, in which:
299 unique CDR3
13 unique J



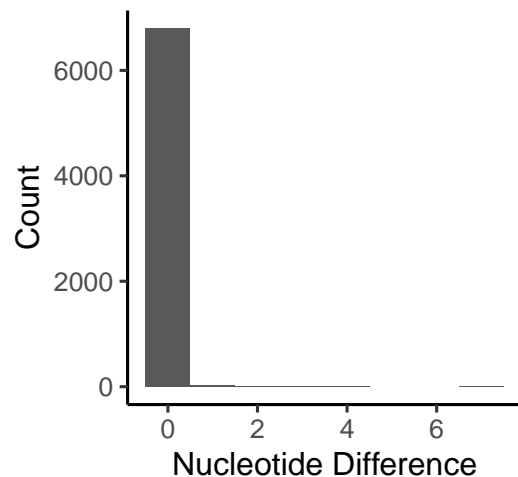
TRBV23-1*ap01

1012 sequences assigned
1000 (98.8%) exact matches, in which:
998 unique CDR3
13 unique J



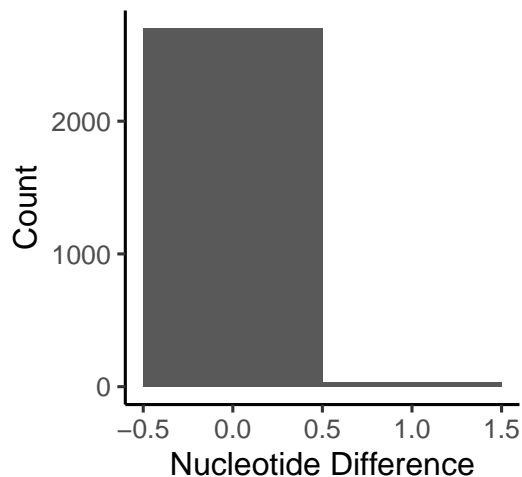
TRBV3-12*ap01

6834 sequences assigned
6796 (99.4%) exact matches, in which:
6774 unique CDR3
13 unique J



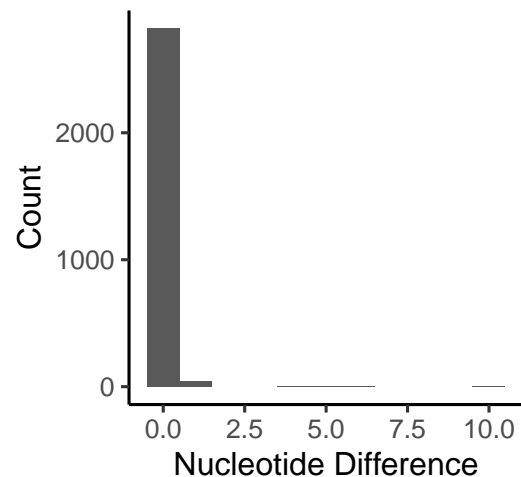
TRBV4-2*ap01

2735 sequences assigned
2699 (98.7%) exact matches, in which:
2671 unique CDR3
13 unique J



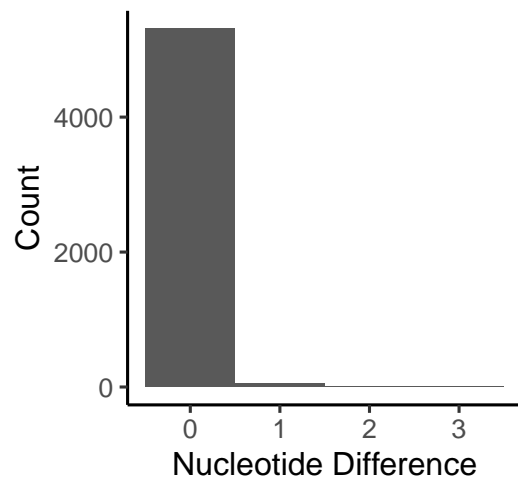
TRBV25-1*ap01

2869 sequences assigned
2822 (98.4%) exact matches, in which:
2793 unique CDR3
13 unique J



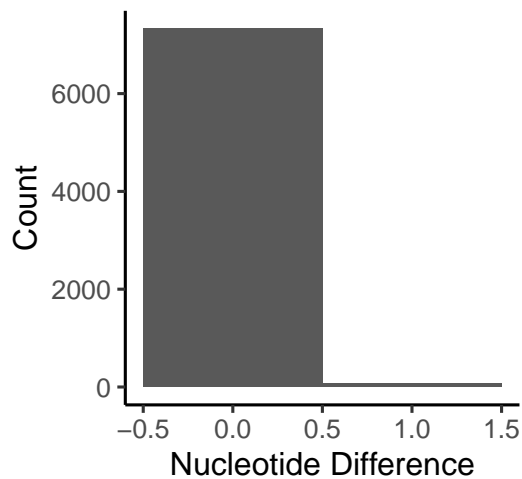
TRBV4-1*ap01

5365 sequences assigned
5310 (99%) exact matches, in which:
5263 unique CDR3
13 unique J



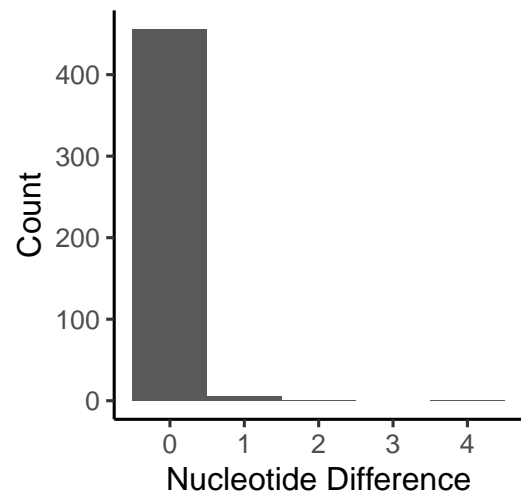
TRBV4-3*ap01

7399 sequences assigned
7327 (99%) exact matches, in which:
7251 unique CDR3
13 unique J



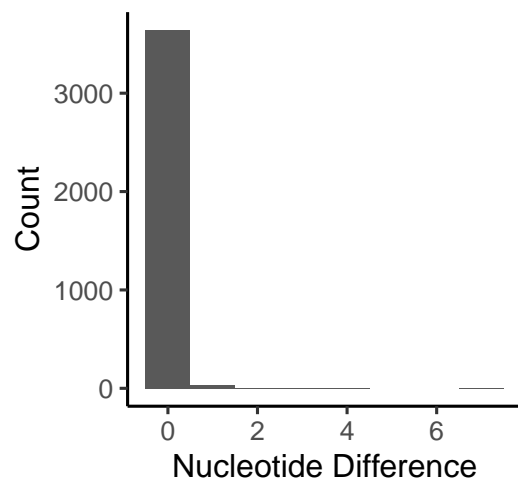
TRBV5-3*ap01

464 sequences assigned
456 (98.3%) exact matches, in which:
455 unique CDR3
13 unique J



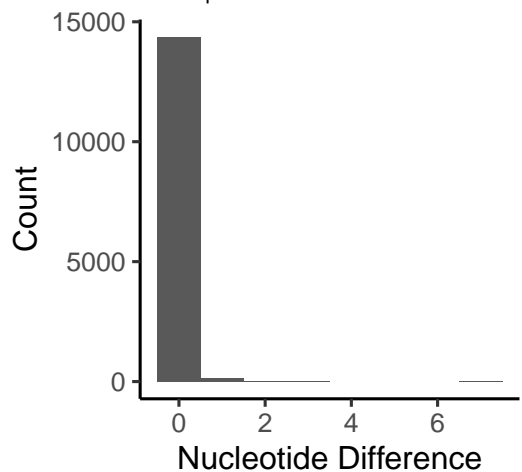
TRBV24-1*ap01

3683 sequences assigned
3642 (98.9%) exact matches, in which:
3598 unique CDR3
13 unique J



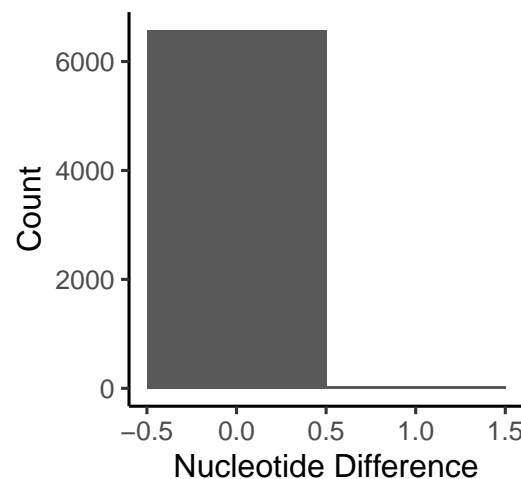
TRBV5-1*ap01

14546 sequences assigned
14374 (98.8%) exact matches, in which:
14286 unique CDR3
13 unique J



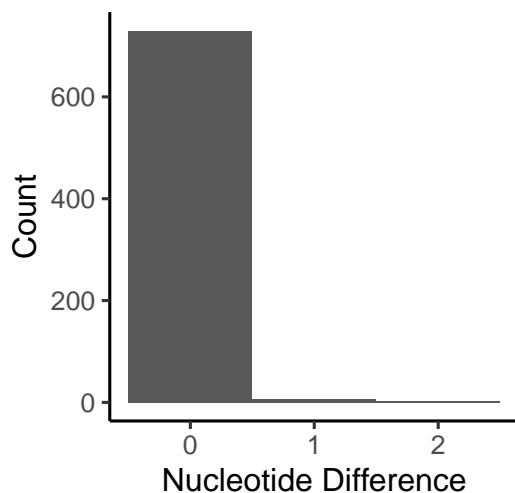
TRBV5-4*ap01

6620 sequences assigned
6578 (99.4%) exact matches, in which:
6540 unique CDR3
13 unique J



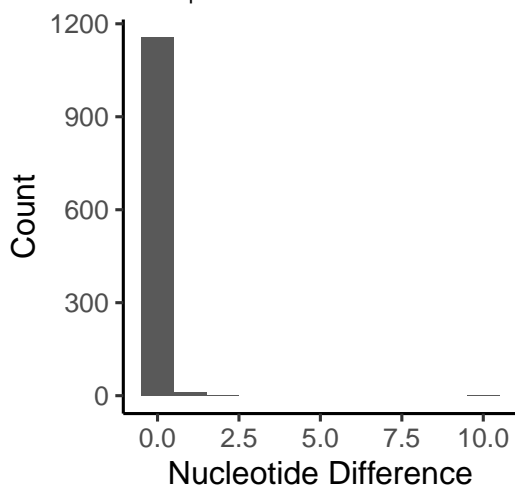
TRBV5-5*ap01

738 sequences assigned
730 (98.9%) exact matches, in which:
726 unique CDR3
13 unique J



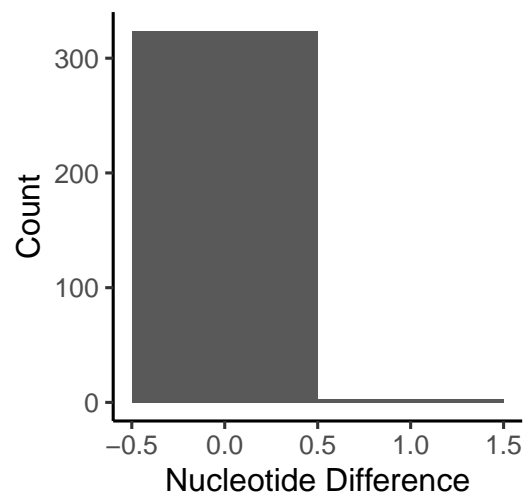
TRBV5-8*ap01

1170 sequences assigned
1156 (98.8%) exact matches, in which:
1151 unique CDR3
13 unique J



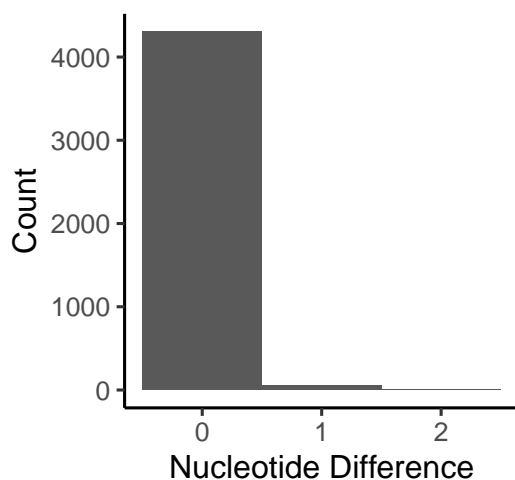
TRBV6-7*ap01

327 sequences assigned
324 (99.1%) exact matches, in which:
320 unique CDR3
13 unique J



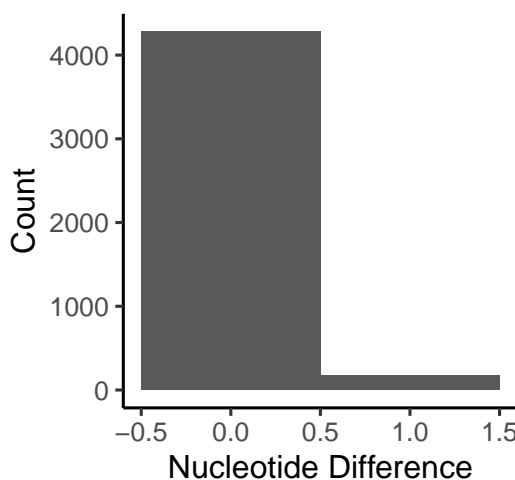
TRBV5-6*ap01

4360 sequences assigned
4304 (98.7%) exact matches, in which:
4267 unique CDR3
13 unique J



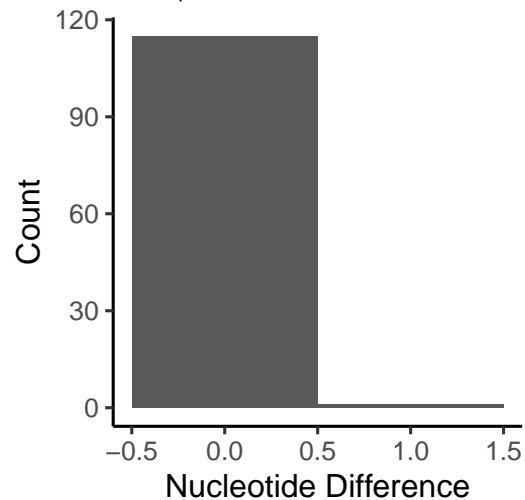
TRBV6-1*ap01

4453 sequences assigned
4279 (96.1%) exact matches, in which:
4236 unique CDR3
13 unique J



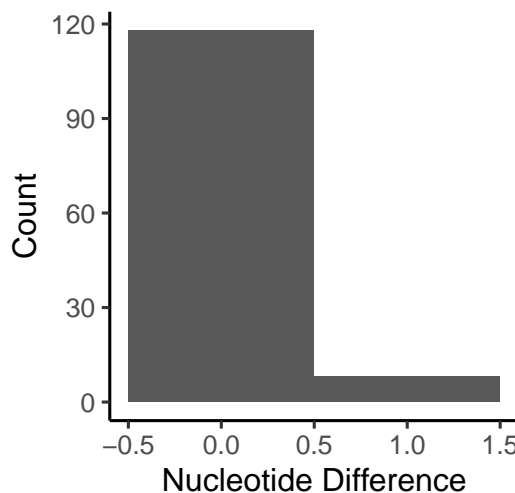
TRBV6-8*ap01

116 sequences assigned
115 (99.1%) exact matches, in which:
114 unique CDR3
13 unique J



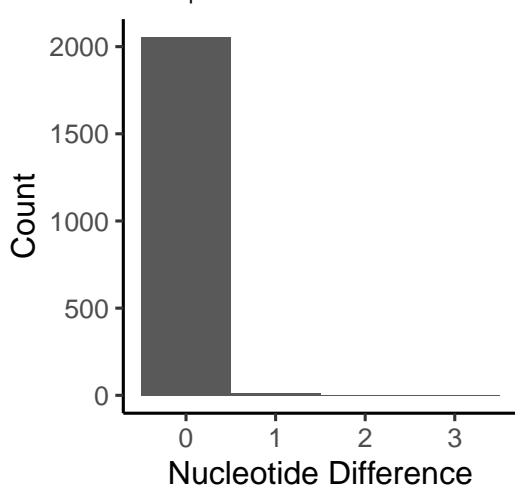
TRBV5-7*ap01

126 sequences assigned
118 (93.7%) exact matches, in which:
116 unique CDR3
13 unique J



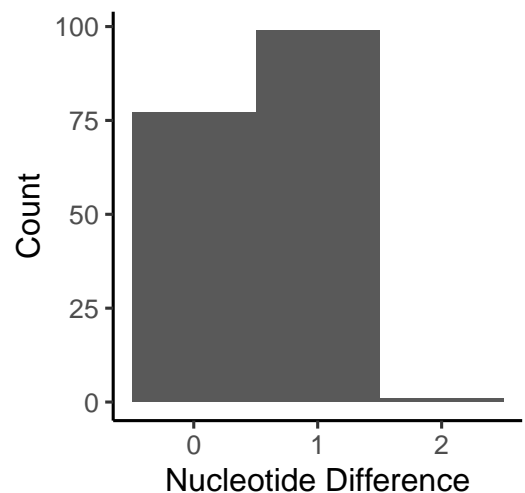
TRBV6-4*ap01

2072 sequences assigned
2055 (99.2%) exact matches, in which:
2040 unique CDR3
13 unique J



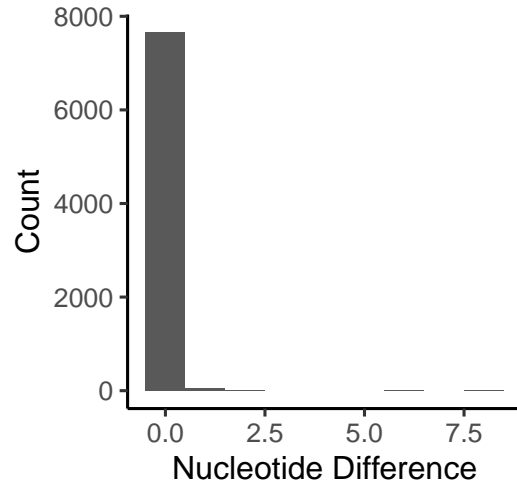
TRBV6-9*ap01

177 sequences assigned
77 (43.5%) exact matches, in which:
73 unique CDR3
13 unique J



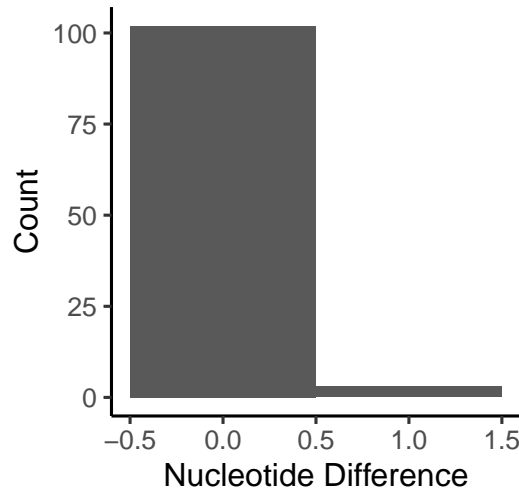
TRBV6-23*ap01

7715 sequences assigned
7656 (99.2%) exact matches, in which:
7582 unique CDR3
13 unique J



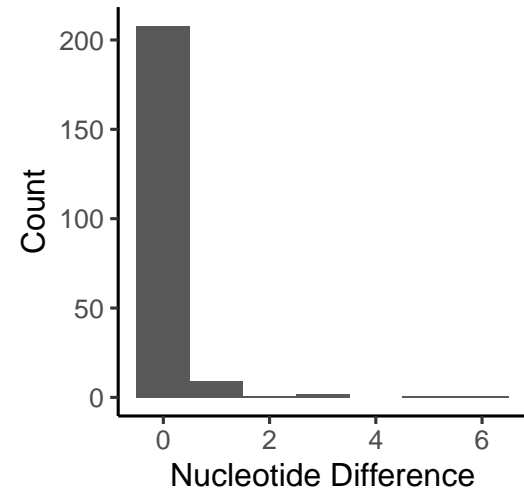
TRBV7-1*ap01_G291C_

105 sequences assigned
102 (97.1%) exact matches, in which:
102 unique CDR3
13 unique J



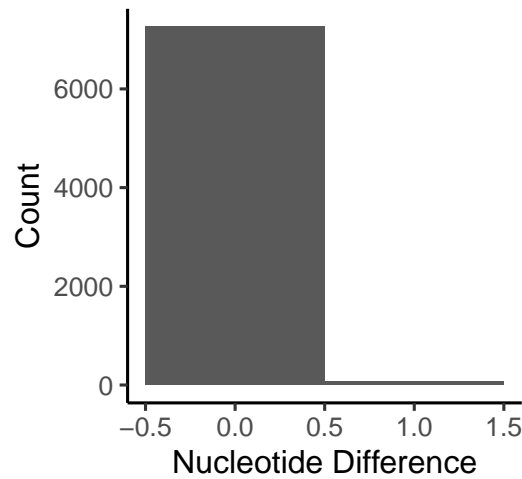
TRBV7-4*ap01

222 sequences assigned
208 (93.7%) exact matches, in which:
207 unique CDR3
13 unique J



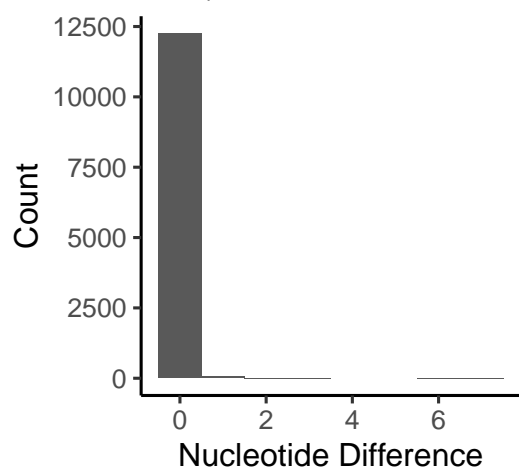
TRBV6-56*ap01

7334 sequences assigned
7260 (99%) exact matches, in which:
7183 unique CDR3
13 unique J



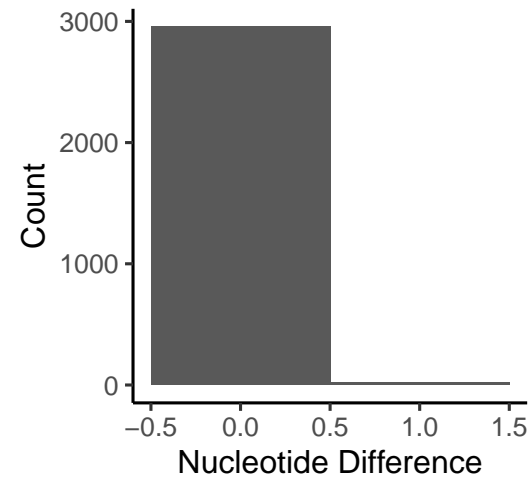
TRBV7-2*ap01

12316 sequences assigned
12253 (99.5%) exact matches, in which:
12162 unique CDR3
13 unique J



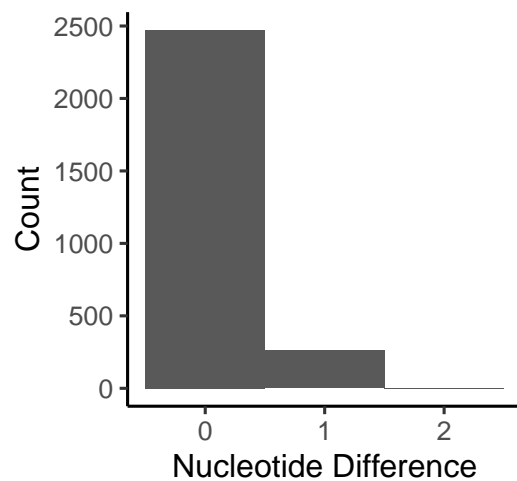
TRBV7-6*ap01

2975 sequences assigned
2956 (99.4%) exact matches, in which:
2937 unique CDR3
13 unique J



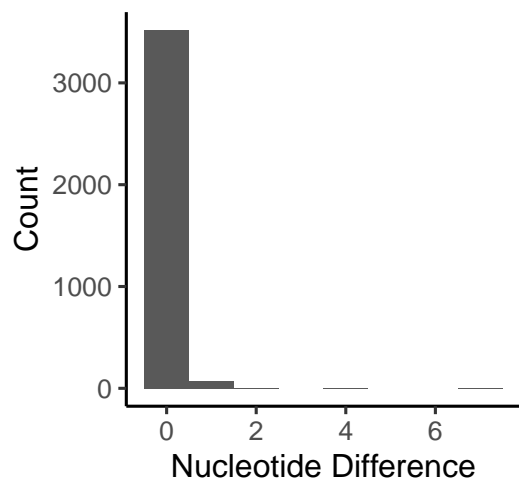
TRBV6-56*ap02

2737 sequences assigned
2472 (90.3%) exact matches, in which:
2441 unique CDR3
13 unique J



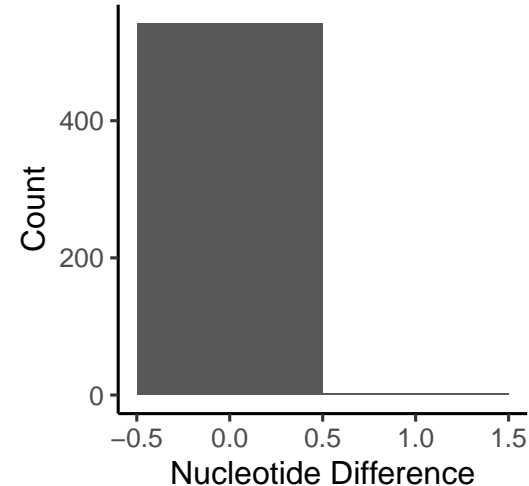
TRBV7-3*ap01

3597 sequences assigned
3519 (97.8%) exact matches, in which:
3496 unique CDR3
13 unique J



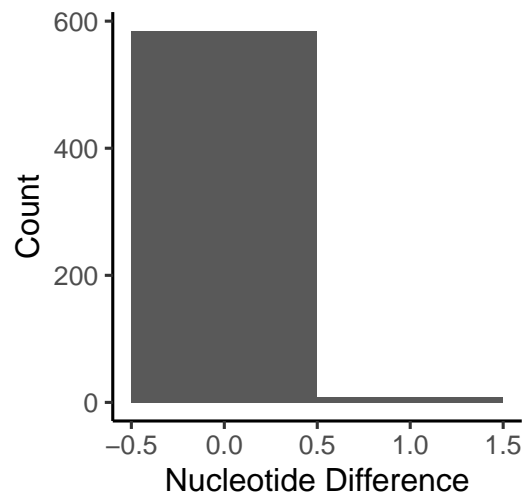
TRBV7-7*ap01

544 sequences assigned
542 (99.6%) exact matches, in which:
537 unique CDR3
13 unique J



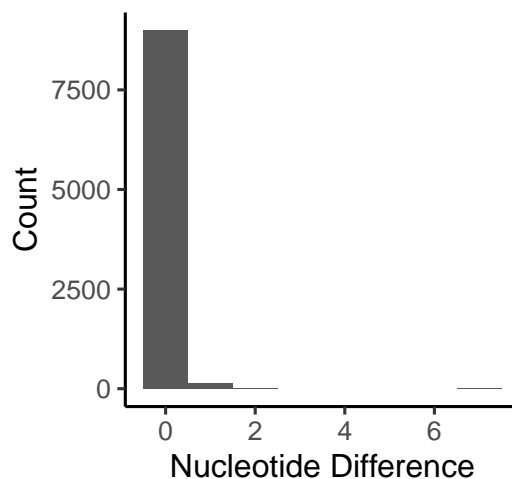
TRBV7-7*ap01_C315T

593 sequences assigned
585 (98.7%) exact matches, in which:
576 unique CDR3
13 unique J



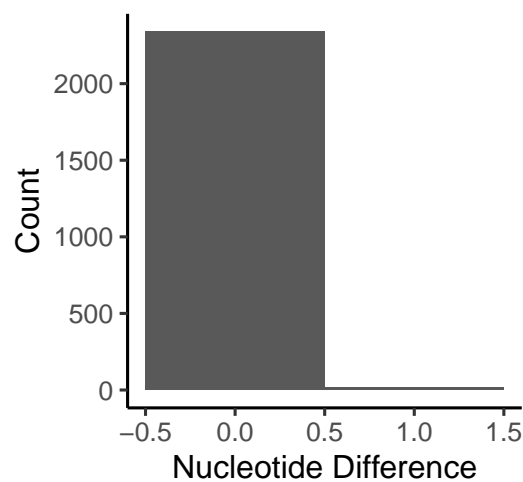
TRBV7-9*ap01

9143 sequences assigned
8993 (98.4%) exact matches, in which:
8939 unique CDR3
13 unique J



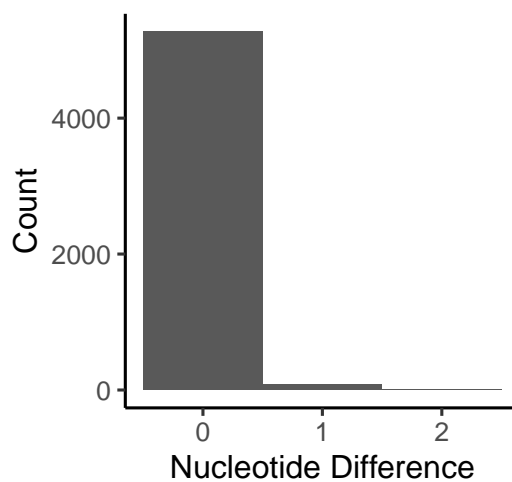
TRBV7-8*ap01

2356 sequences assigned
2339 (99.3%) exact matches, in which:
2319 unique CDR3
13 unique J



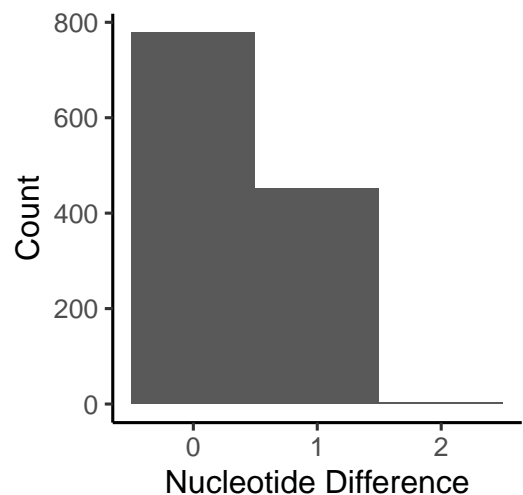
TRBV29-1*ap01

5358 sequences assigned
5271 (98.4%) exact matches, in which:
5179 unique CDR3
13 unique J



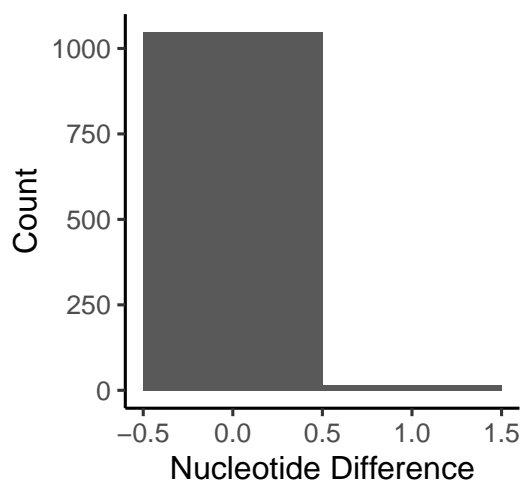
TRBV7-8*ap03

1234 sequences assigned
779 (63.1%) exact matches, in which:
771 unique CDR3
13 unique J

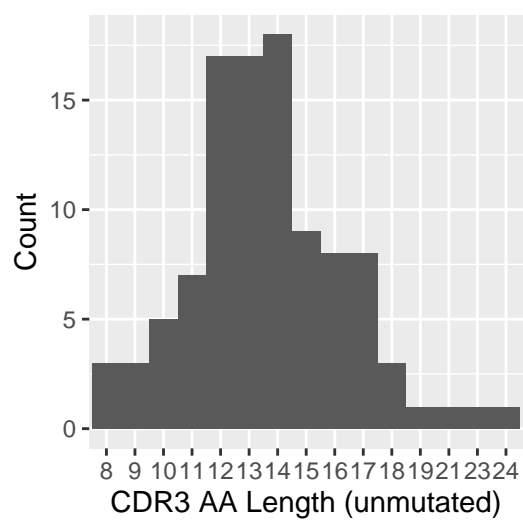


TRBV29-1*ap02

1063 sequences assigned
1048 (98.6%) exact matches, in which:
1023 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

