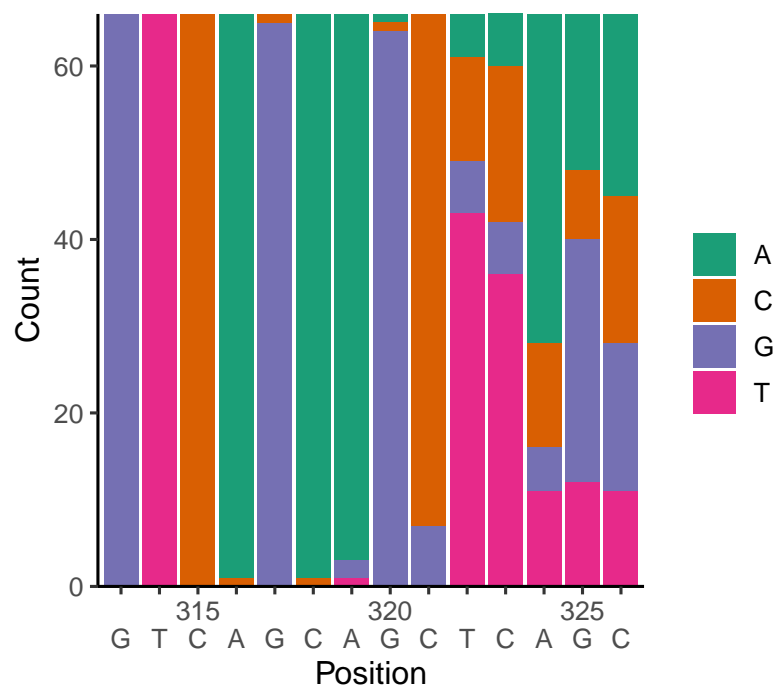
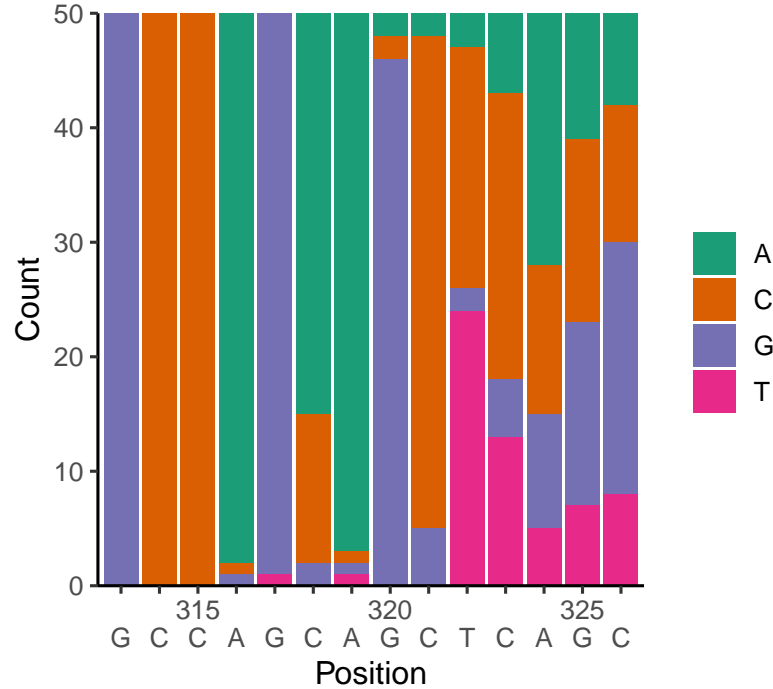


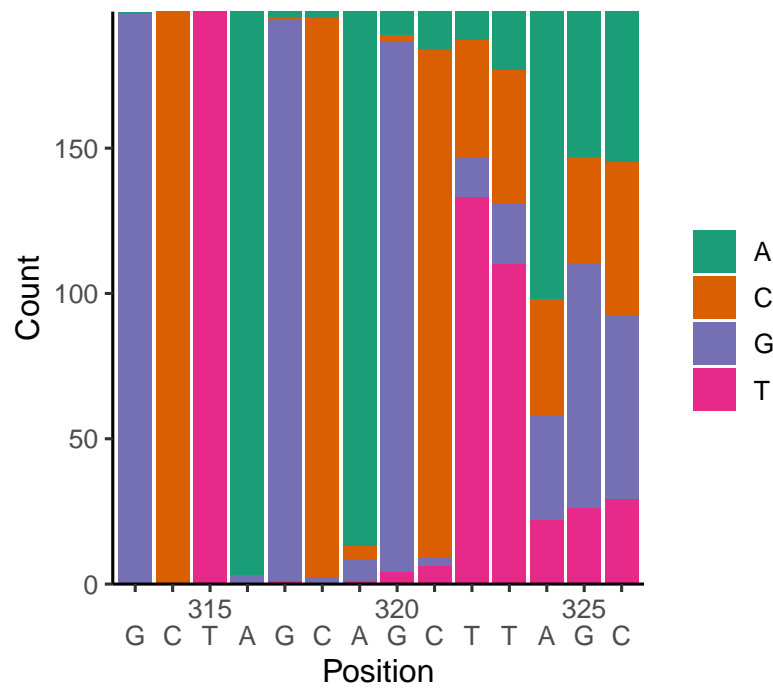
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C_C314T



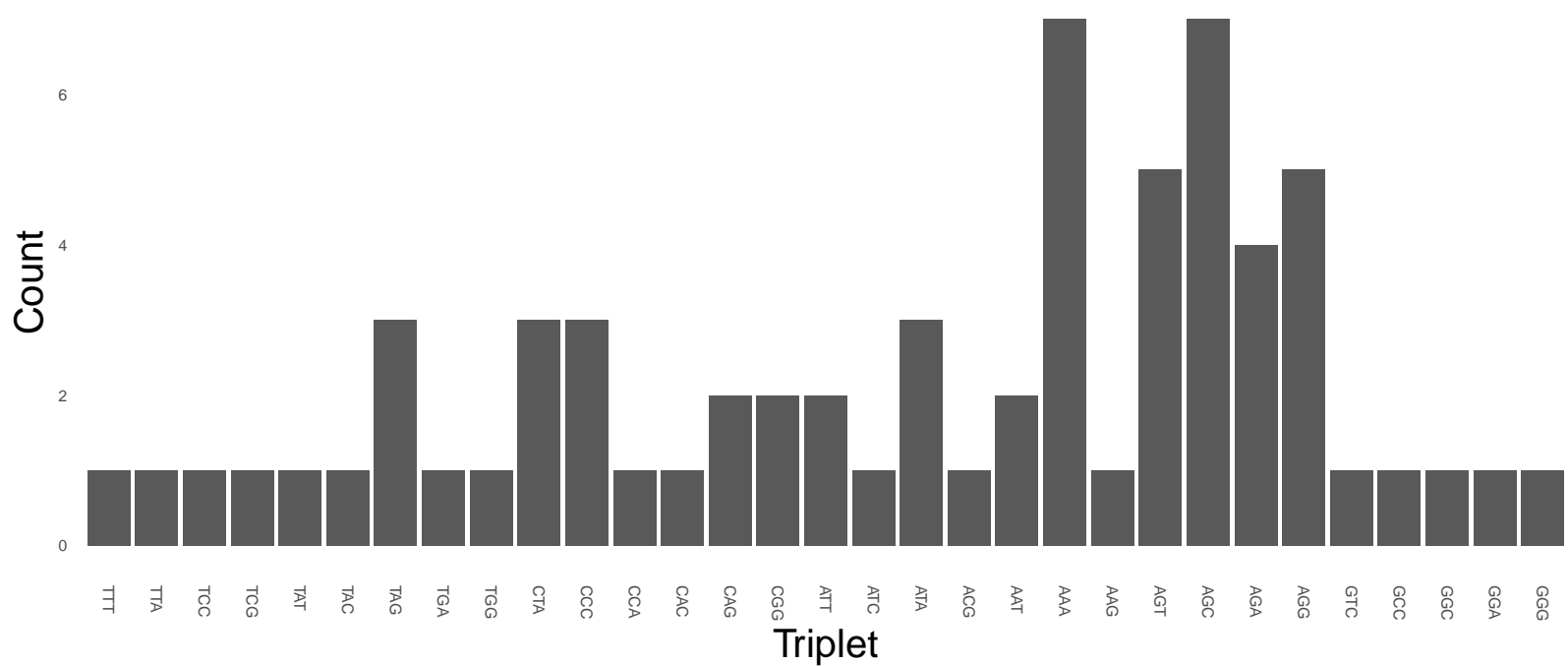
Gene TRBV7-1*ap01_T296C



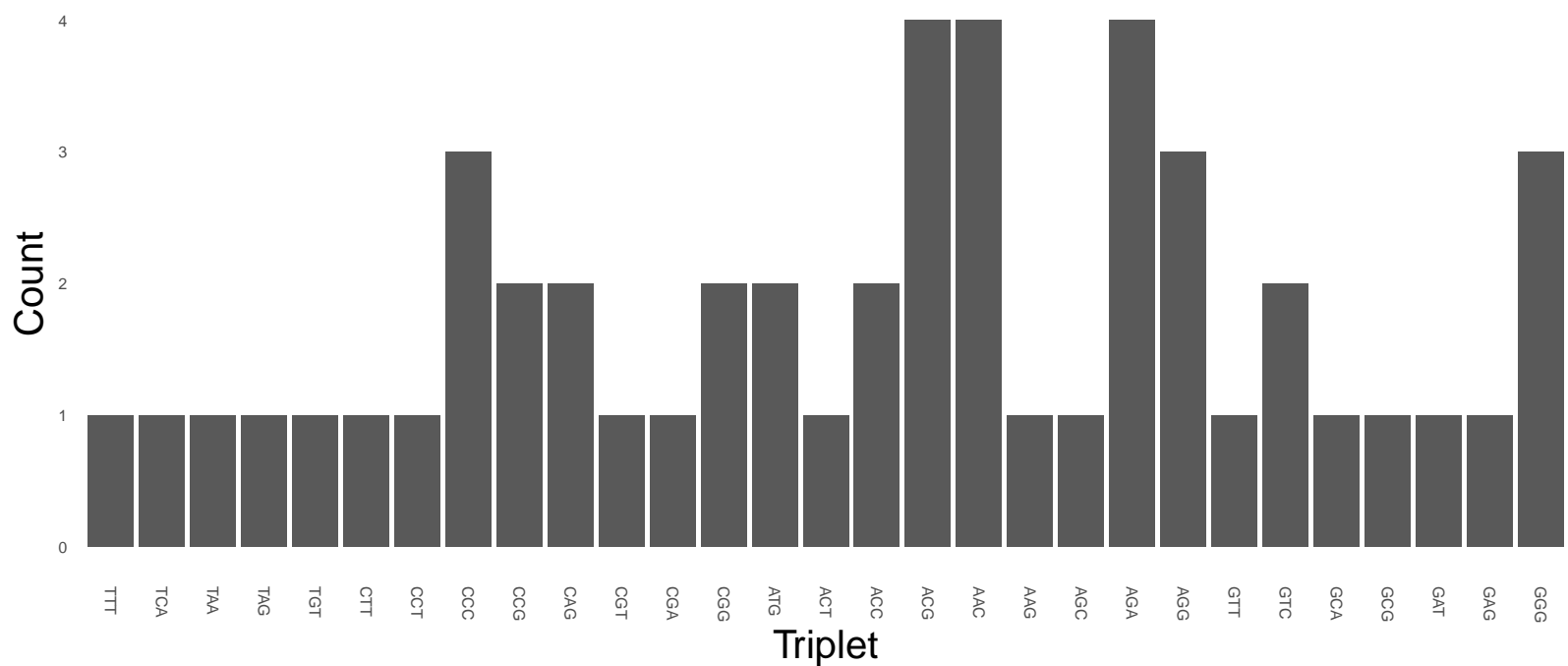
Gene TRBV7-7*ap01_C315T



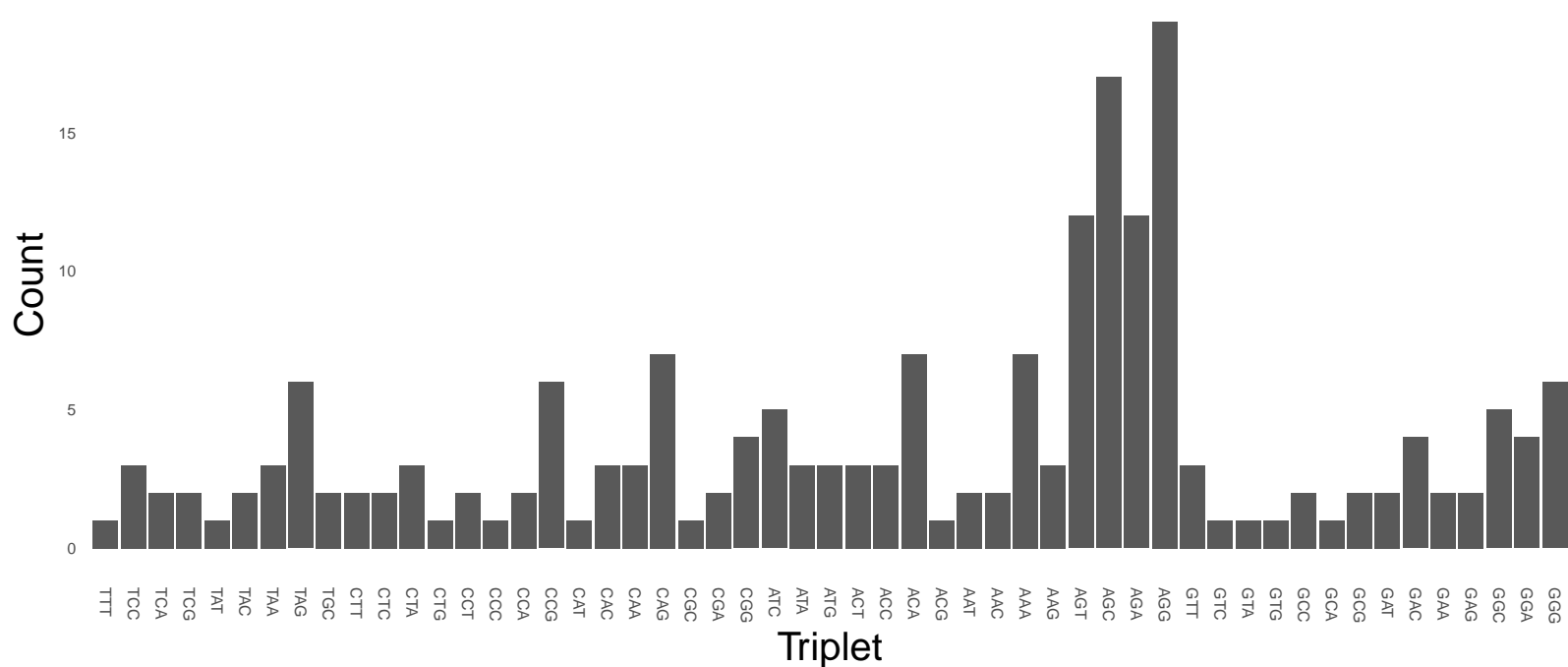
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

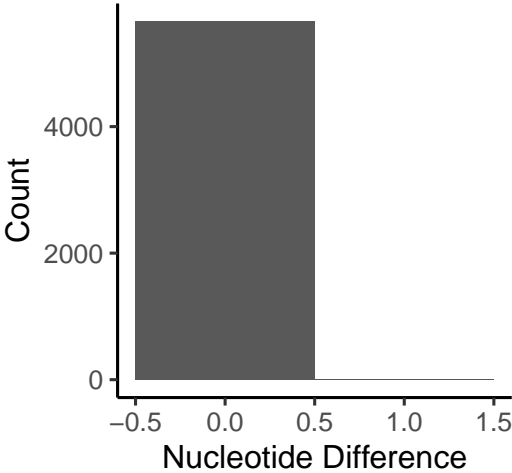


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



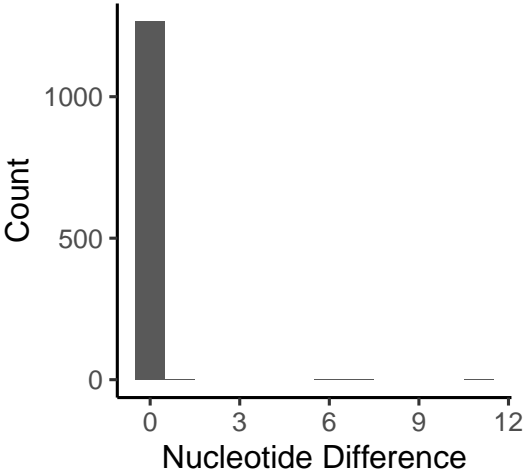
TRBV20-1*ap01

5678 sequences assigned
5663 (99.7%) exact matches, in which:
5652 unique CDR3
13 unique J



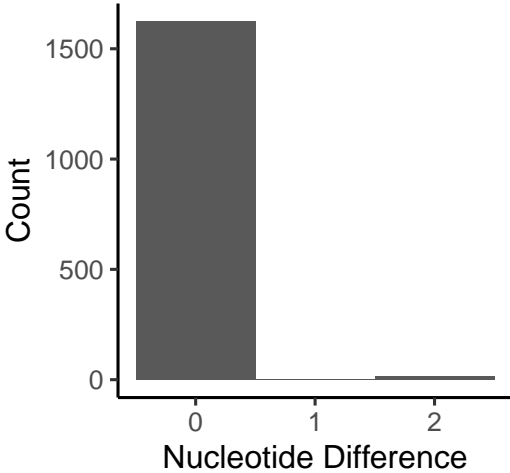
TRBV10-2*ap01

1271 sequences assigned
1266 (99.6%) exact matches, in which:
1264 unique CDR3
13 unique J



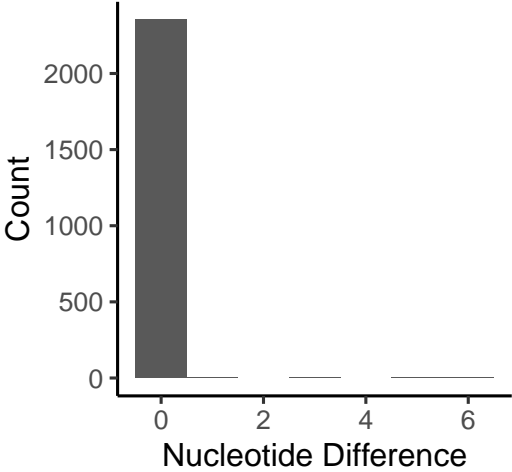
TRBV13*ap01

1640 sequences assigned
1624 (99%) exact matches, in which:
1617 unique CDR3
13 unique J



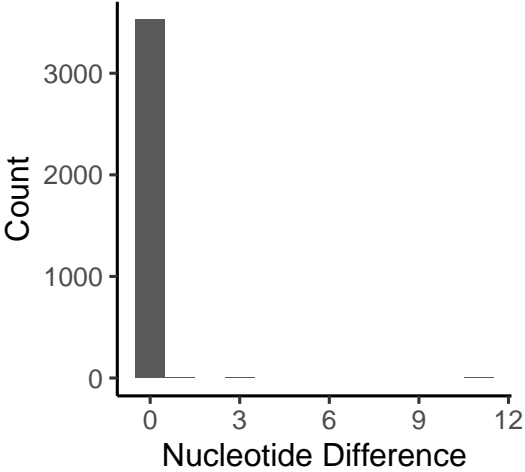
TRBV10-1*ap01

2357 sequences assigned
2353 (99.8%) exact matches, in which:
2351 unique CDR3
13 unique J



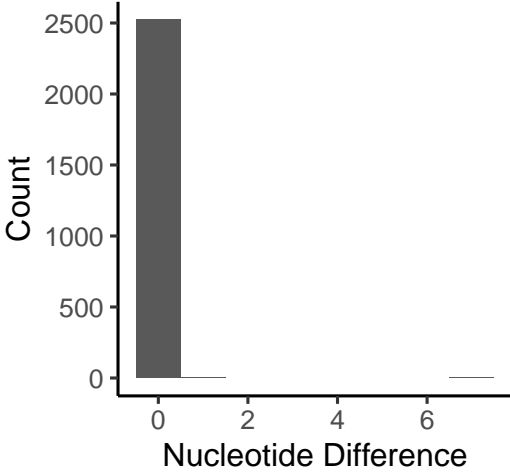
TRBV10-3*ap01

3531 sequences assigned
3527 (99.9%) exact matches, in which:
3520 unique CDR3
14 unique J



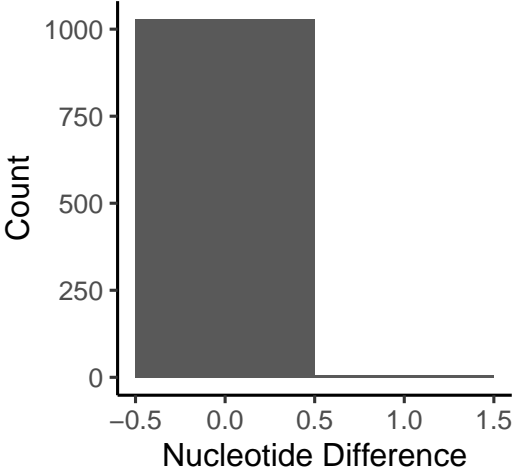
TRBV14*ap01

2526 sequences assigned
2523 (99.9%) exact matches, in which:
2520 unique CDR3
13 unique J



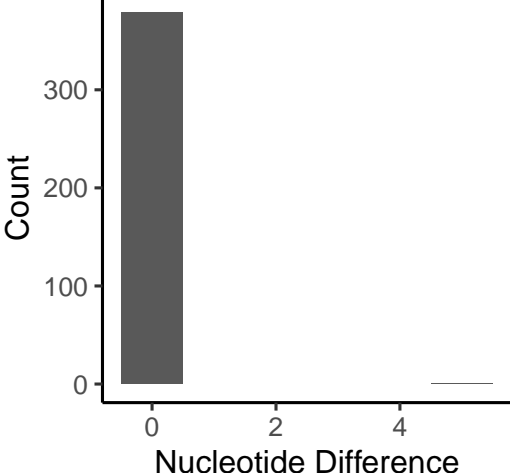
TRBV20-1*ap02

1035 sequences assigned
1029 (99.4%) exact matches, in which:
1027 unique CDR3
13 unique J



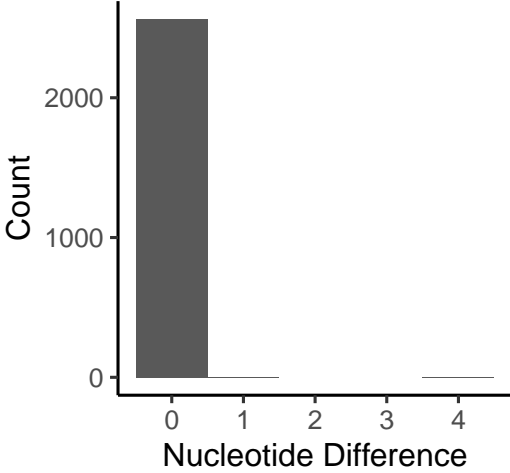
TRBV1*ap01

380 sequences assigned
379 (99.7%) exact matches, in which:
375 unique CDR3
13 unique J



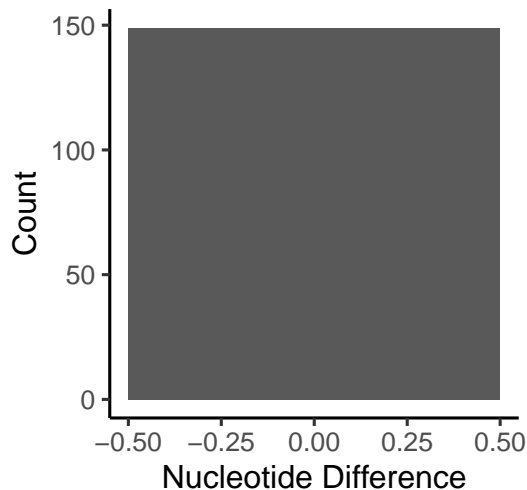
TRBV15*ap02

2568 sequences assigned
2563 (99.8%) exact matches, in which:
2554 unique CDR3
13 unique J



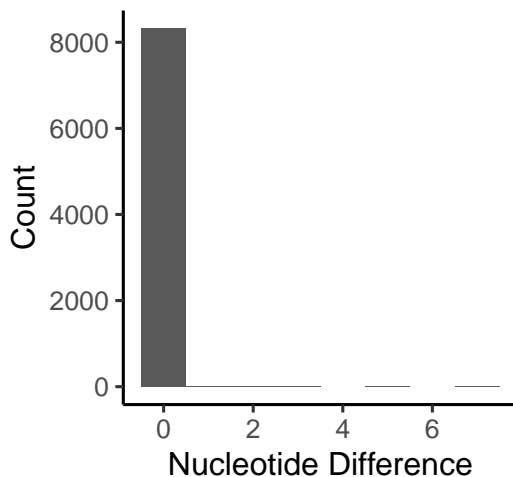
TRBV16*ap01

149 sequences assigned
149 (100%) exact matches, in which:
149 unique CDR3
13 unique J



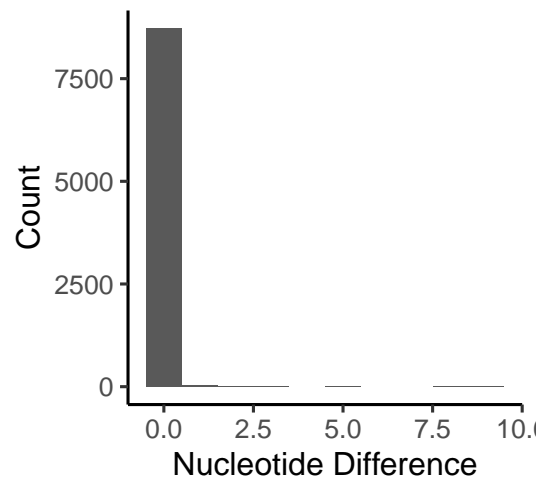
TRBV19*ap01

8340 sequences assigned
8322 (99.8%) exact matches, in which:
8318 unique CDR3
13 unique J



TRBV27*ap01

8763 sequences assigned
8723 (99.5%) exact matches, in which:
8700 unique CDR3
13 unique J



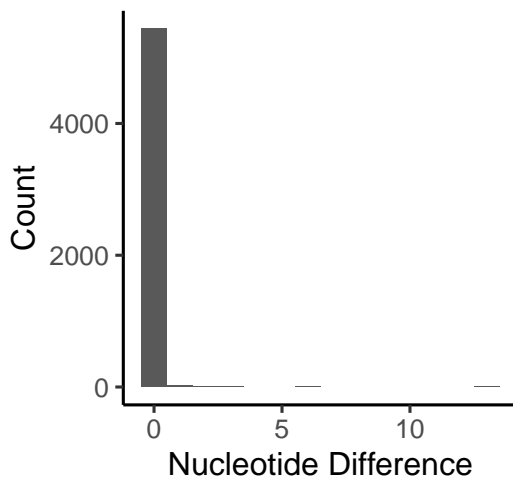
TRBV17*ap01

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



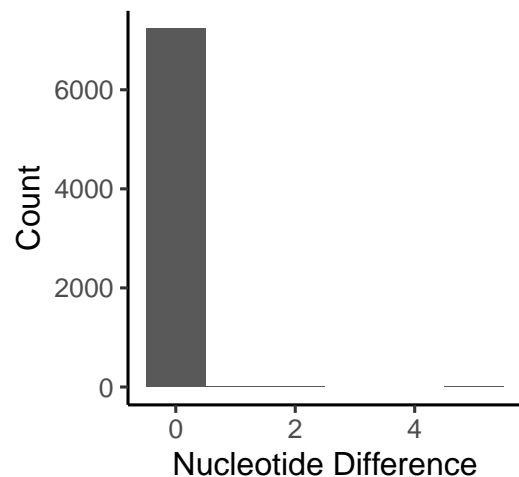
TRBV2*ap01

5468 sequences assigned
5438 (99.5%) exact matches, in which:
5421 unique CDR3
13 unique J



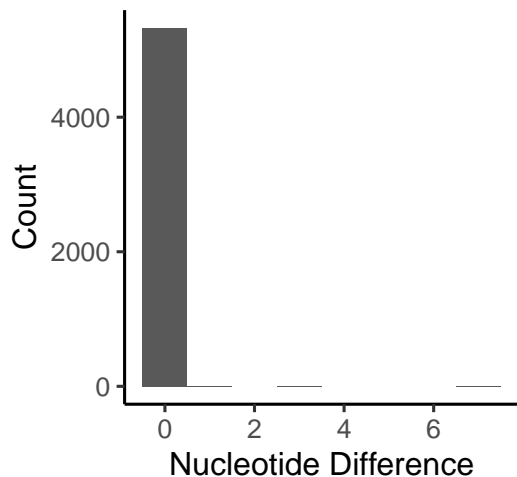
TRBV28*ap01

7245 sequences assigned
7232 (99.8%) exact matches, in which:
7221 unique CDR3
13 unique J



TRBV18*ap01

5331 sequences assigned
5325 (99.9%) exact matches, in which:
5320 unique CDR3
13 unique J



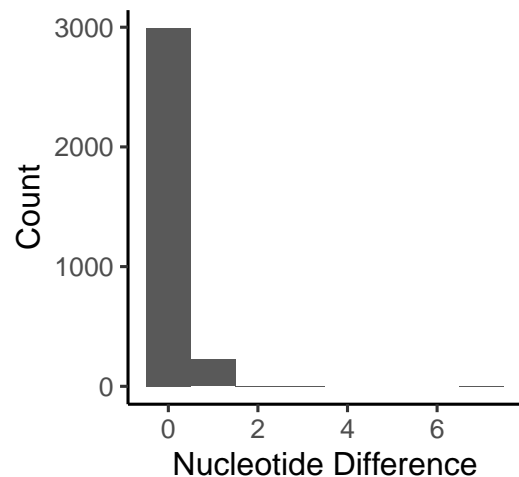
TRBV26*ap01

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



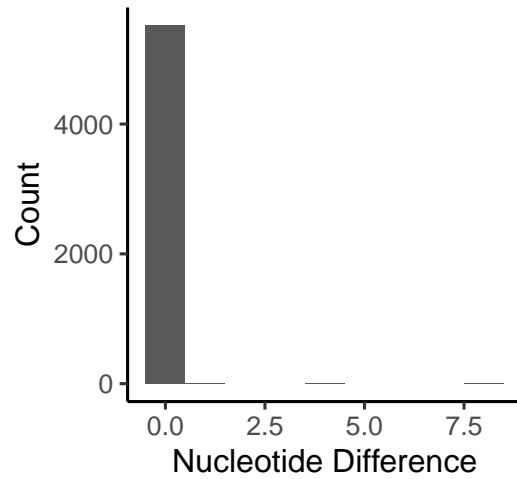
TRBV30*ap01

3221 sequences assigned
2993 (92.9%) exact matches, in which:
2989 unique CDR3
13 unique J



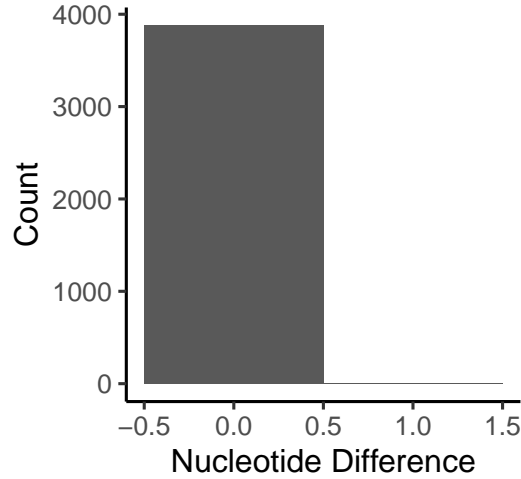
TRBV9*ap01

5533 sequences assigned
5520 (99.8%) exact matches, in which:
5511 unique CDR3
13 unique J



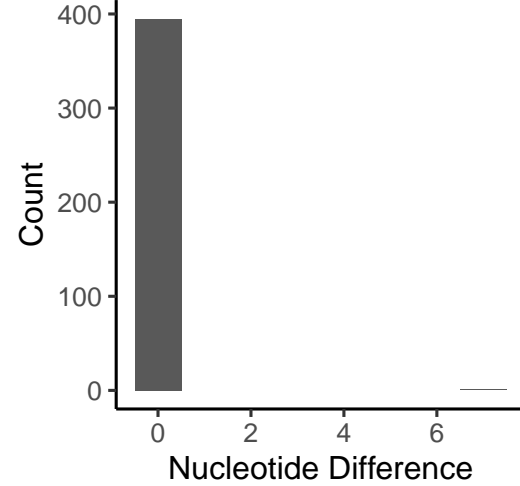
TRBV11-2*ap01

3885 sequences assigned
3879 (99.8%) exact matches, in which:
3873 unique CDR3
13 unique J



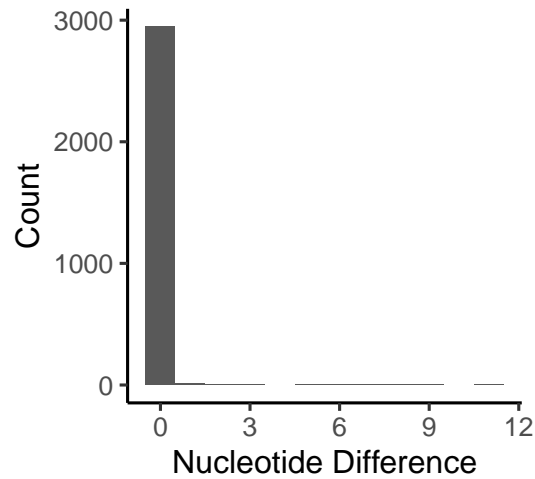
TRBV12-2*ap01

396 sequences assigned
395 (99.7%) exact matches, in which:
394 unique CDR3
13 unique J



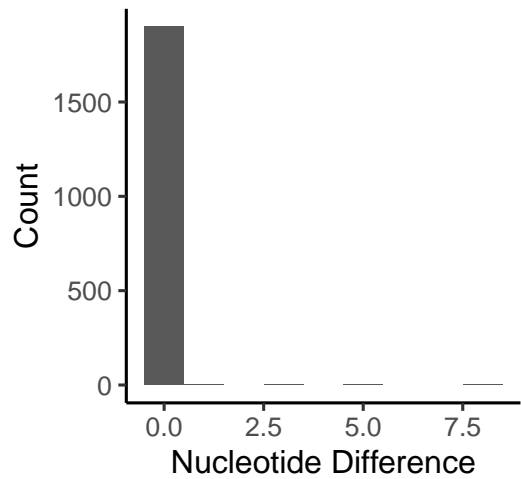
TRBV21-1*ap01

2978 sequences assigned
2946 (98.9%) exact matches, in which:
2946 unique CDR3
13 unique J



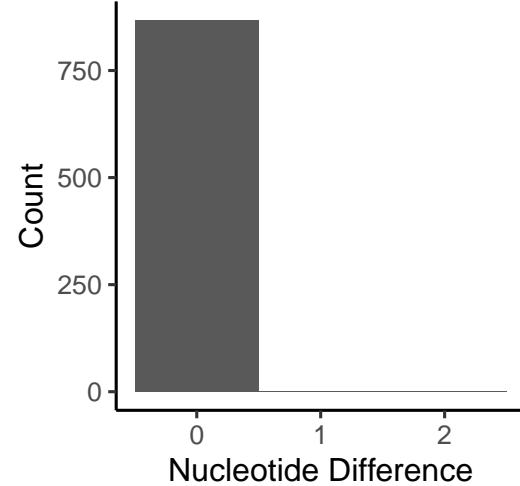
TRBV11-3*ap01

1907 sequences assigned
1899 (99.6%) exact matches, in which:
1899 unique CDR3
13 unique J



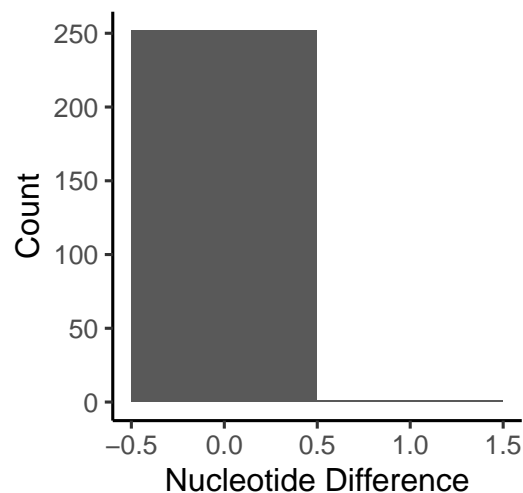
TRBV12-5*ap01

870 sequences assigned
868 (99.8%) exact matches, in which:
868 unique CDR3
13 unique J



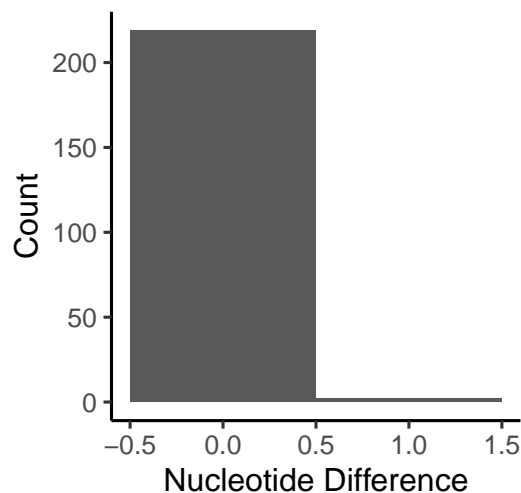
TRBV11-1*ap01

253 sequences assigned
252 (99.6%) exact matches, in which:
252 unique CDR3
13 unique J



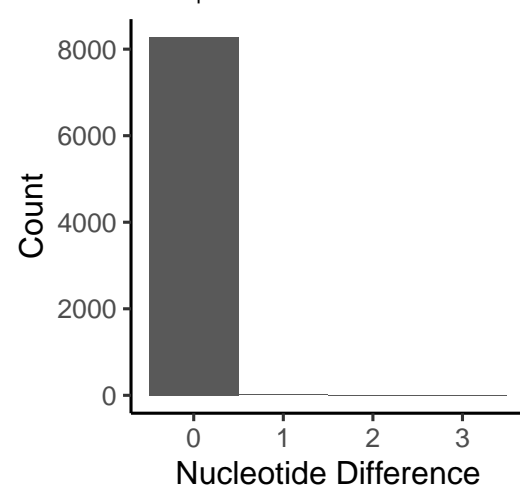
TRBV12-1*ap01

221 sequences assigned
219 (99.1%) exact matches, in which:
219 unique CDR3
13 unique J



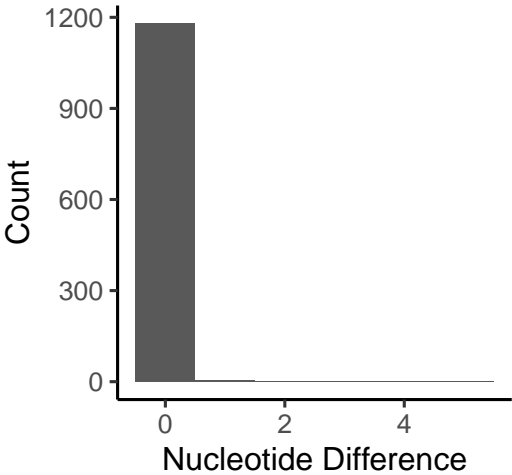
TRBV12-34*ap01

8303 sequences assigned
8280 (99.7%) exact matches, in which:
8268 unique CDR3
13 unique J



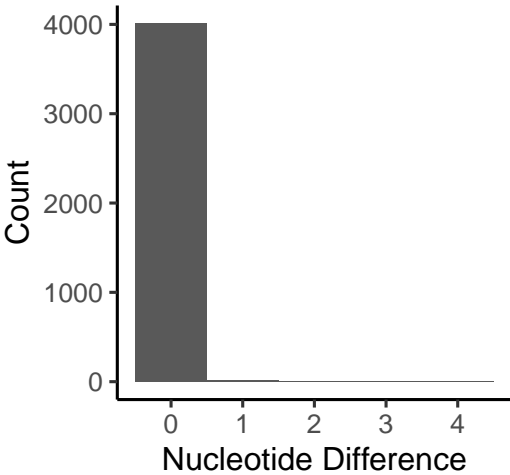
TRBV23-1*ap01

1189 sequences assigned
1180 (99.2%) exact matches, in which:
1180 unique CDR3
13 unique J



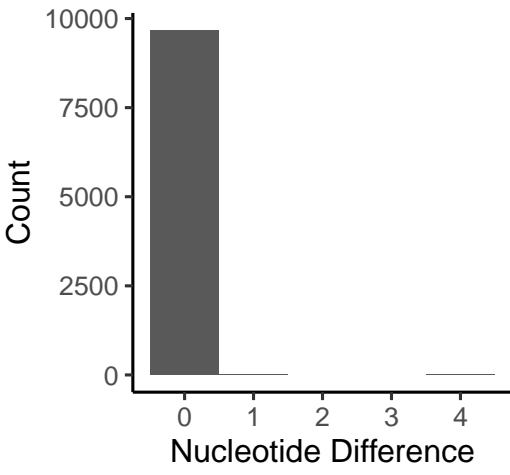
TRBV24-1*ap01

4031 sequences assigned
4011 (99.5%) exact matches, in which:
4009 unique CDR3
13 unique J



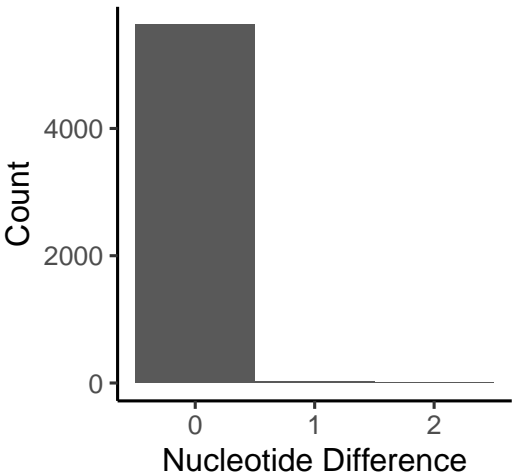
TRBV5-1*ap01

9691 sequences assigned
9674 (99.8%) exact matches, in which:
9628 unique CDR3
13 unique J



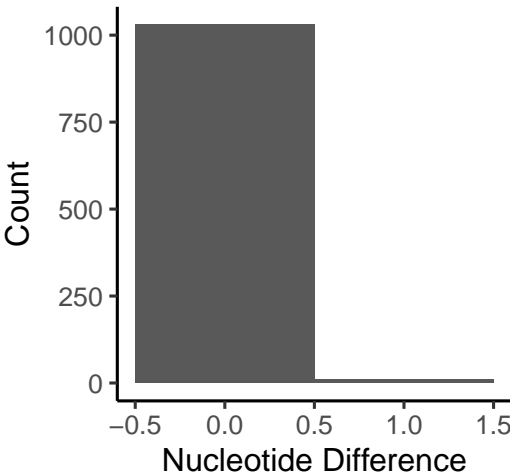
TRBV3-12*ap01

5655 sequences assigned
5630 (99.6%) exact matches, in which:
5624 unique CDR3
13 unique J



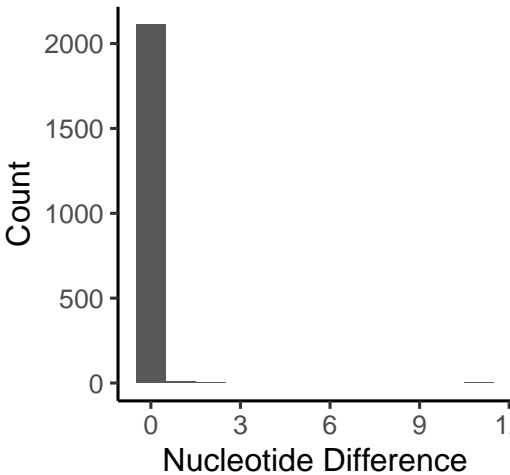
TRBV4-2*ap01

1041 sequences assigned
1030 (98.9%) exact matches, in which:
1029 unique CDR3
13 unique J



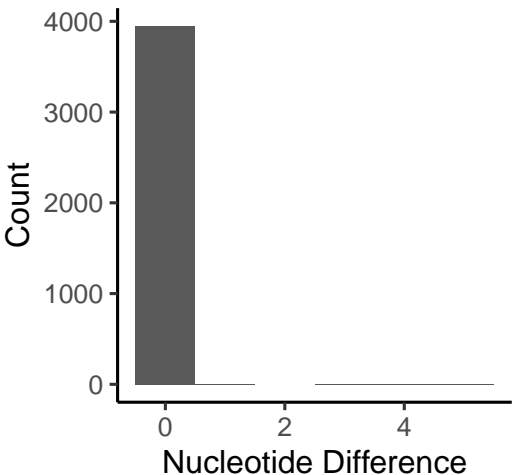
TRBV25-1*ap01

2119 sequences assigned
2111 (99.6%) exact matches, in which:
2107 unique CDR3
13 unique J



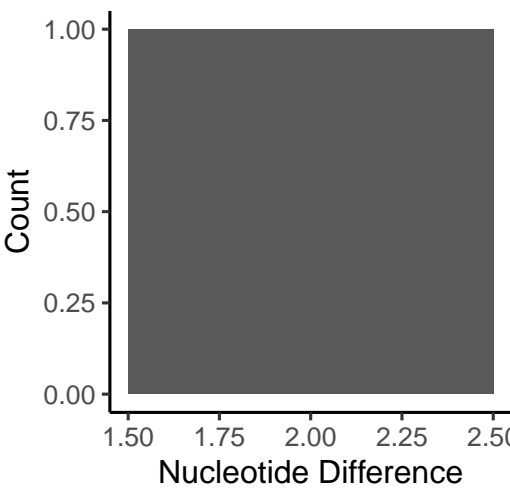
TRBV4-1*ap01

3957 sequences assigned
3948 (99.8%) exact matches, in which:
3936 unique CDR3
13 unique J



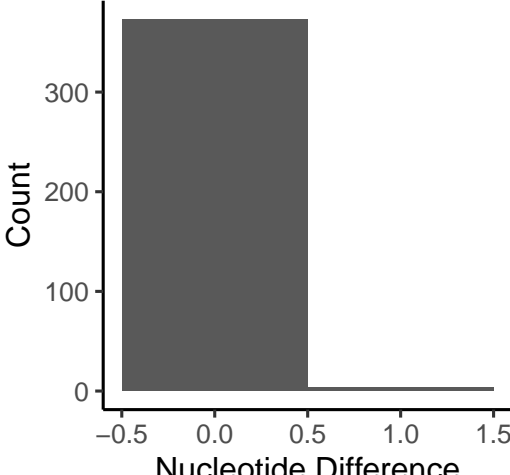
TRBV4-3*ap01

1 sequences assigned
No exact matches.



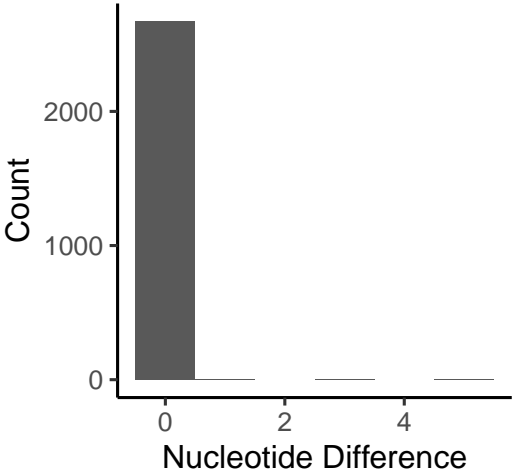
TRBV5-3*ap01

377 sequences assigned
373 (98.9%) exact matches, in which:
373 unique CDR3
13 unique J



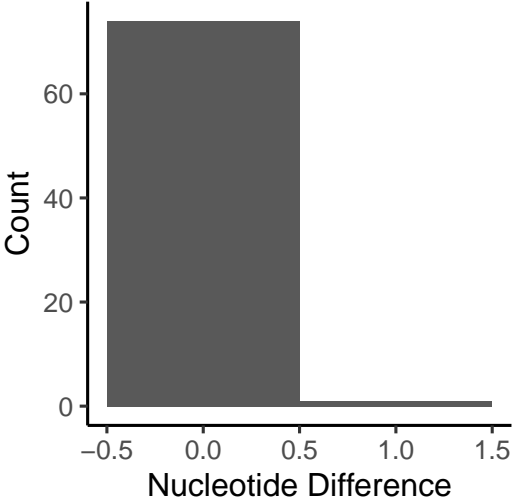
TRBV5-4*ap01

2678 sequences assigned
2671 (99.7%) exact matches, in which:
2666 unique CDR3
13 unique J



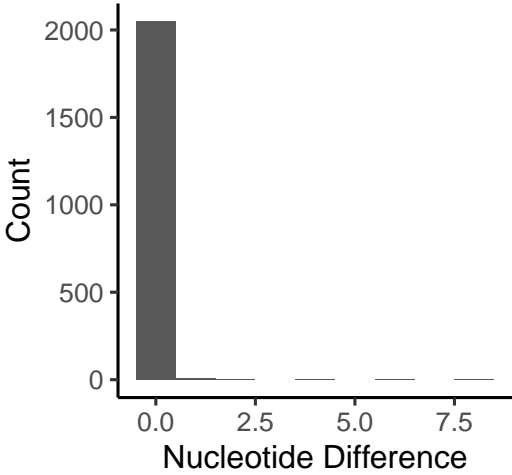
TRBV5-7*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
74 unique CDR3
12 unique J



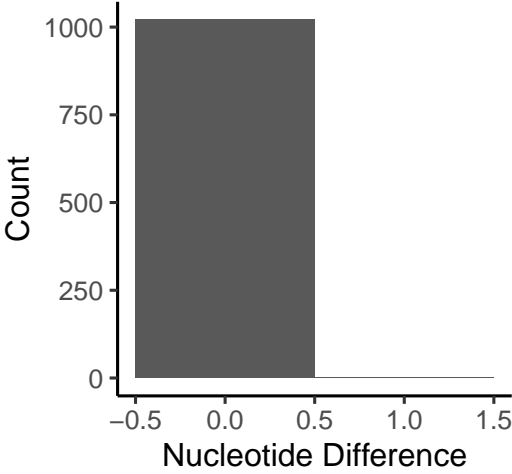
TRBV6-4*ap01

2064 sequences assigned
2049 (99.3%) exact matches, in which:
2044 unique CDR3
13 unique J



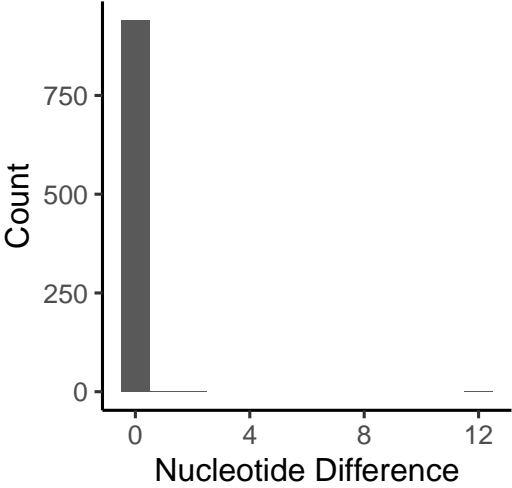
TRBV5-5*ap01

1022 sequences assigned
1021 (99.9%) exact matches, in which:
1021 unique CDR3
13 unique J



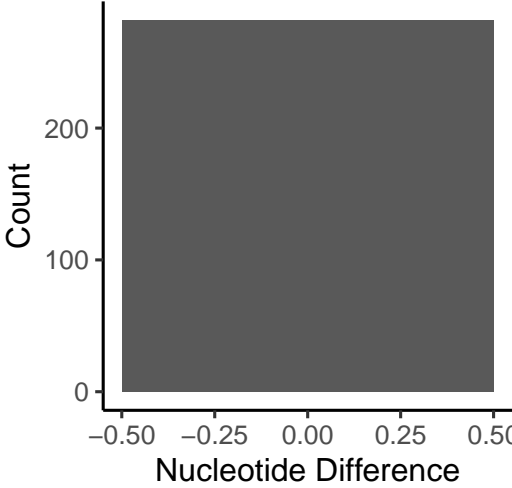
TRBV5-8*ap01

945 sequences assigned
941 (99.6%) exact matches, in which:
941 unique CDR3
13 unique J



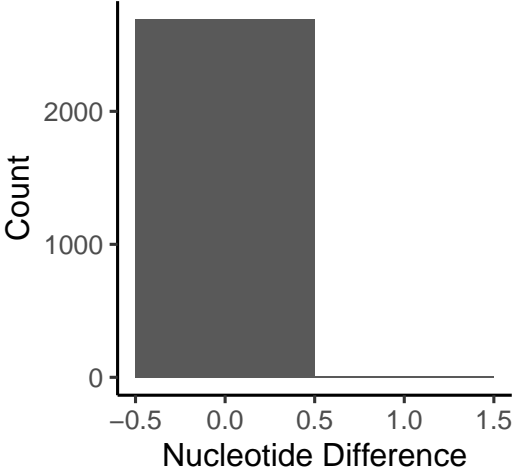
TRBV6-7*ap01

282 sequences assigned
282 (100%) exact matches, in which:
282 unique CDR3
13 unique J



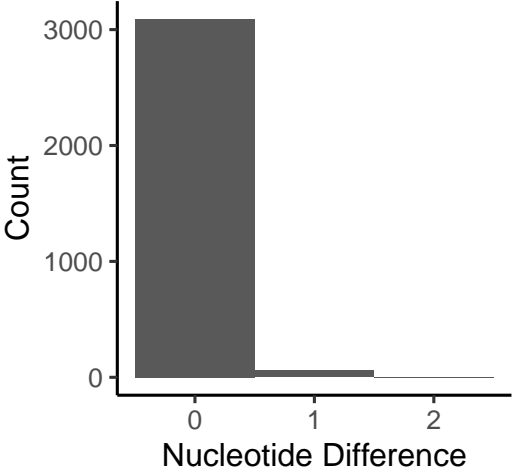
TRBV5-6*ap01

2703 sequences assigned
2694 (99.7%) exact matches, in which:
2681 unique CDR3
13 unique J



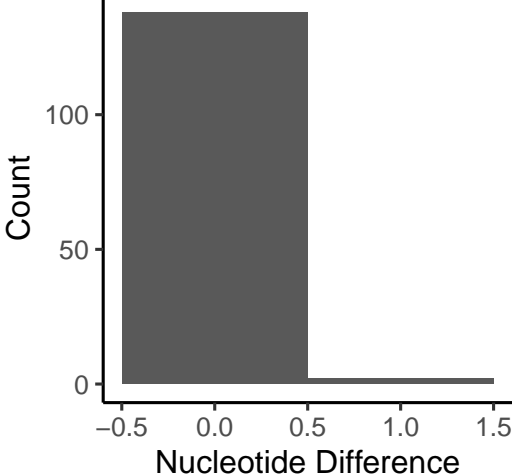
TRBV6-1*ap01

3150 sequences assigned
3091 (98.1%) exact matches, in which:
3080 unique CDR3
13 unique J



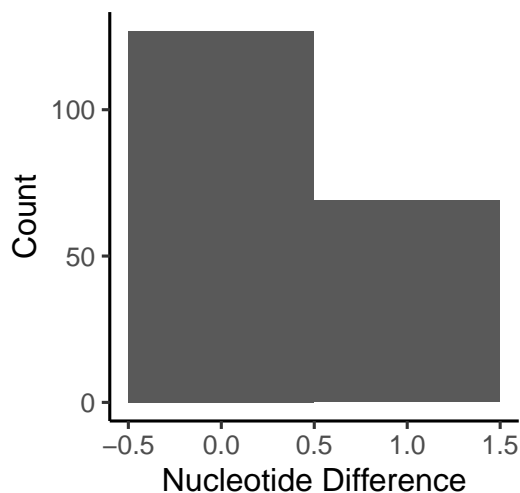
TRBV6-8*ap01

140 sequences assigned
138 (98.6%) exact matches, in which:
138 unique CDR3
13 unique J



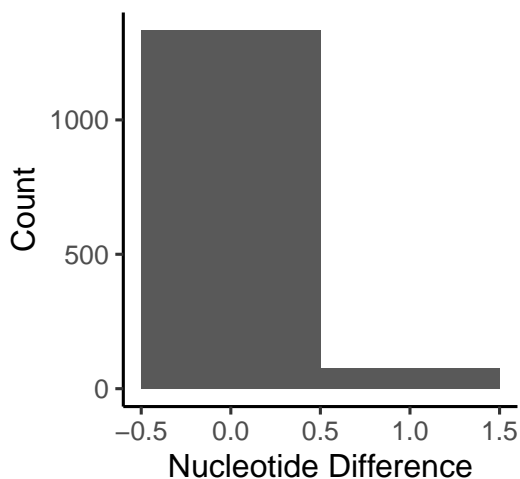
TRBV6-9*ap01

196 sequences assigned
127 (64.8%) exact matches, in which:
127 unique CDR3
13 unique J



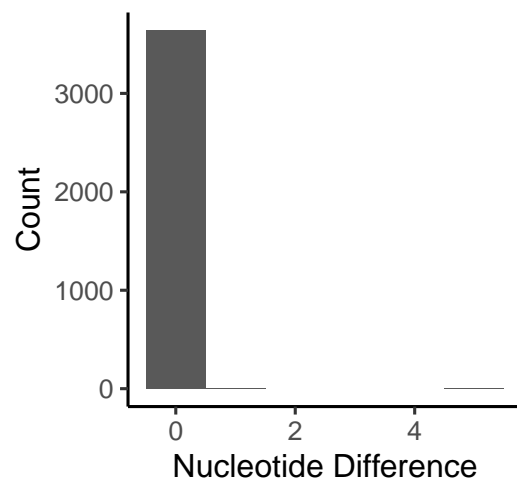
TRBV6-56*ap02

1408 sequences assigned
1333 (94.7%) exact matches, in which:
1327 unique CDR3
13 unique J



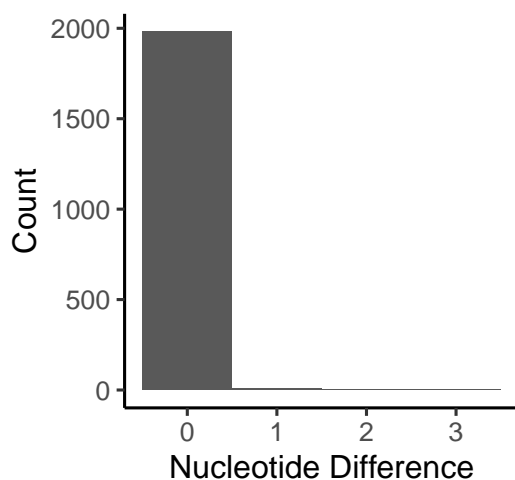
TRBV7-2*ap01

3647 sequences assigned
3640 (99.8%) exact matches, in which:
3630 unique CDR3
13 unique J



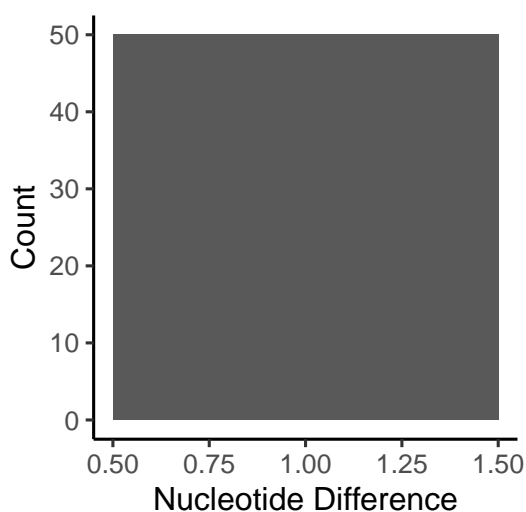
TRBV6-23*ap01

1992 sequences assigned
1981 (99.4%) exact matches, in which:
1976 unique CDR3
13 unique J



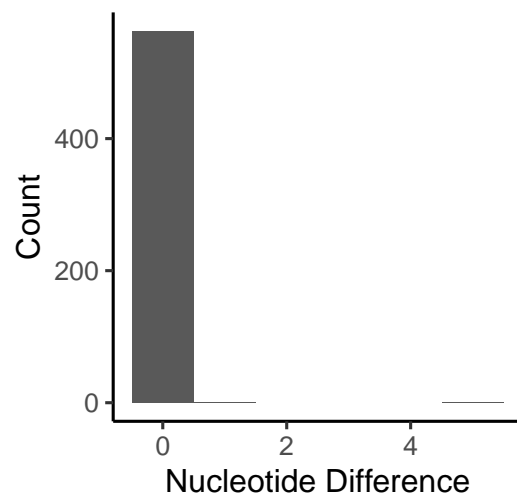
TRBV7-1*ap01_T296C

50 sequences assigned
No exact matches.



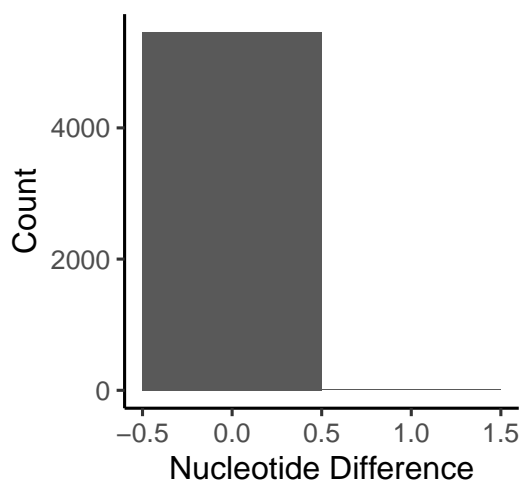
TRBV7-3*ap02

565 sequences assigned
563 (99.6%) exact matches, in which:
560 unique CDR3
12 unique J



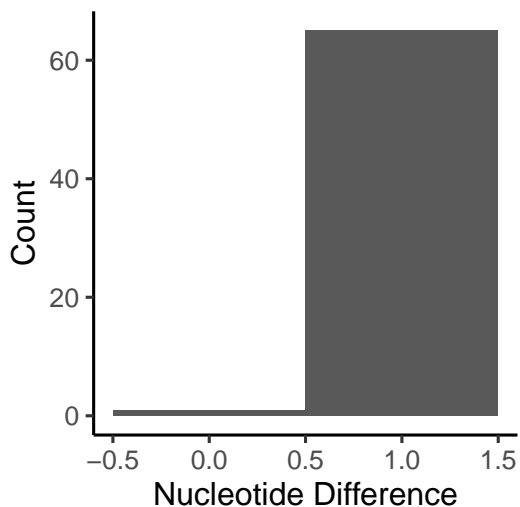
TRBV6-56*ap01

5475 sequences assigned
5461 (99.7%) exact matches, in which:
5447 unique CDR3
13 unique J



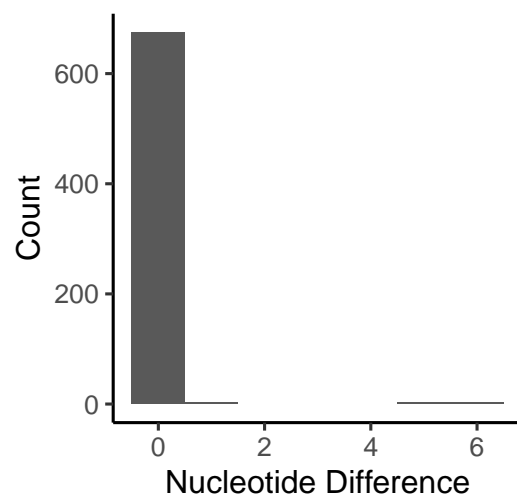
TRBV7-1*ap01_T296C_C

66 sequences assigned
1 (1.5%) exact matches, in which:
1 unique CDR3
1 unique J



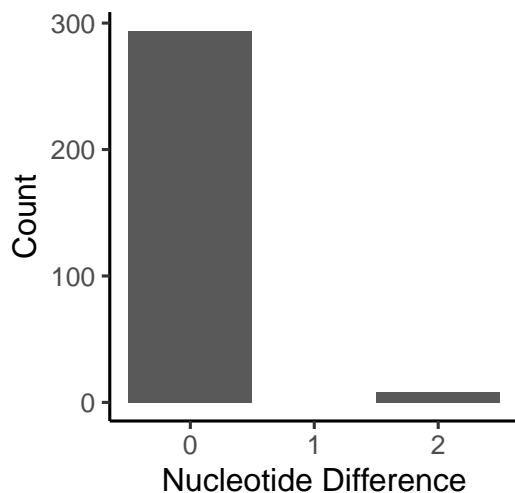
TRBV7-3*ap03

681 sequences assigned
675 (99.1%) exact matches, in which:
675 unique CDR3
13 unique J



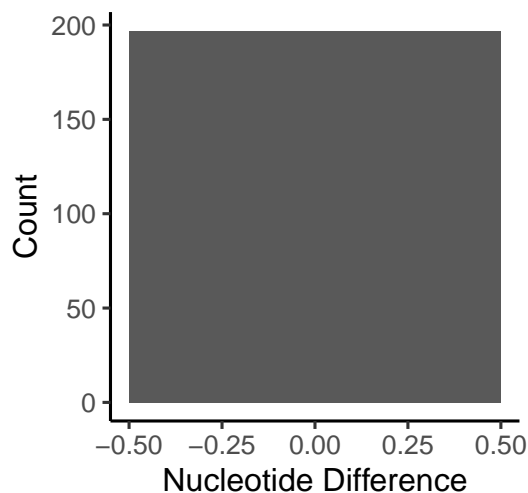
TRBV7-4*ap01

302 sequences assigned
294 (97.4%) exact matches, in which:
294 unique CDR3
13 unique J



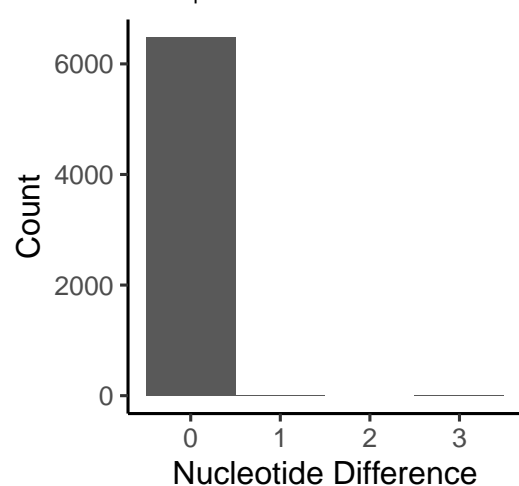
TRBV7-7*ap01_C315T

197 sequences assigned
197 (100%) exact matches, in which:
197 unique CDR3
12 unique J



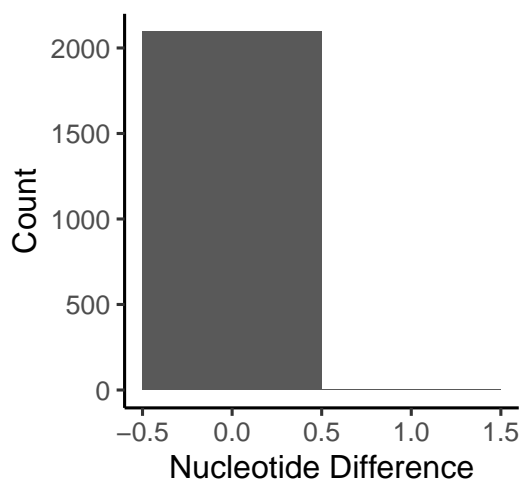
TRBV7-9*ap01

6489 sequences assigned
6479 (99.8%) exact matches, in which:
6468 unique CDR3
13 unique J



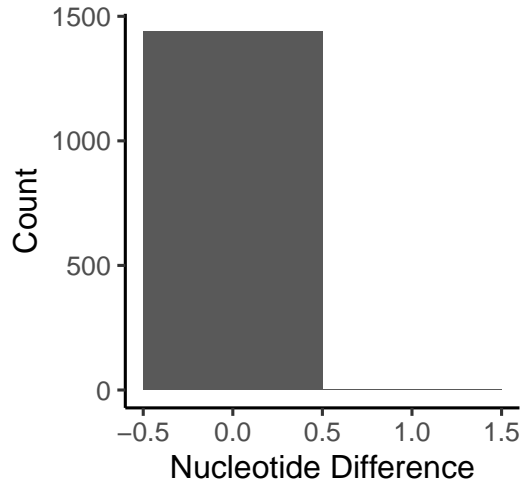
TRBV7-6*ap01

2096 sequences assigned
2095 (100%) exact matches, in which:
2091 unique CDR3
13 unique J



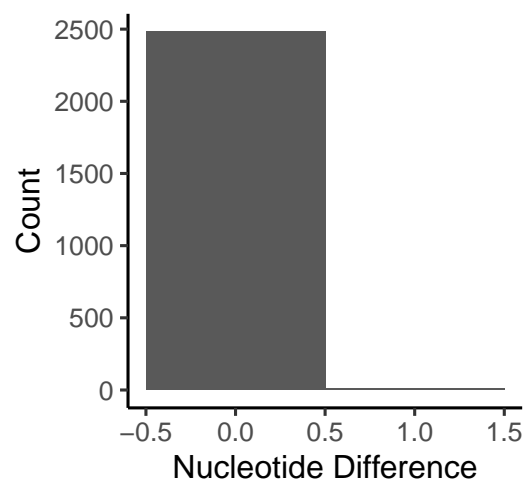
TRBV7-8*ap01

1441 sequences assigned
1438 (99.8%) exact matches, in which:
1436 unique CDR3
13 unique J



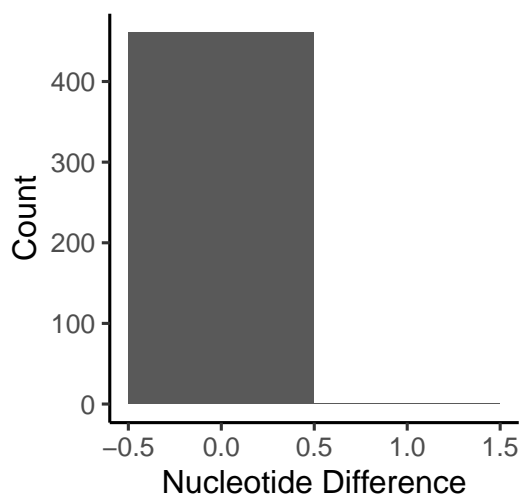
TRBV29-1*ap01

2492 sequences assigned
2482 (99.6%) exact matches, in which:
2475 unique CDR3
13 unique J



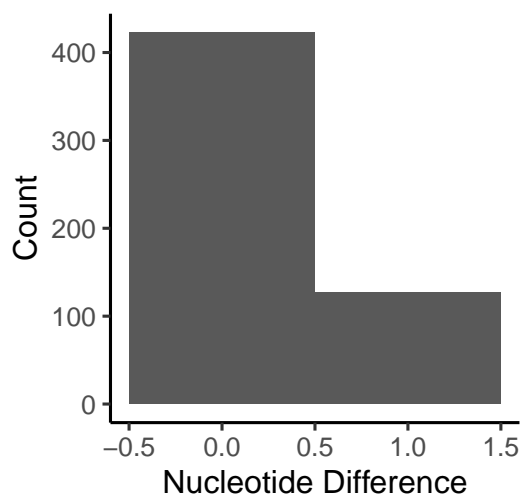
TRBV7-7*ap01

462 sequences assigned
461 (99.8%) exact matches, in which:
460 unique CDR3
13 unique J



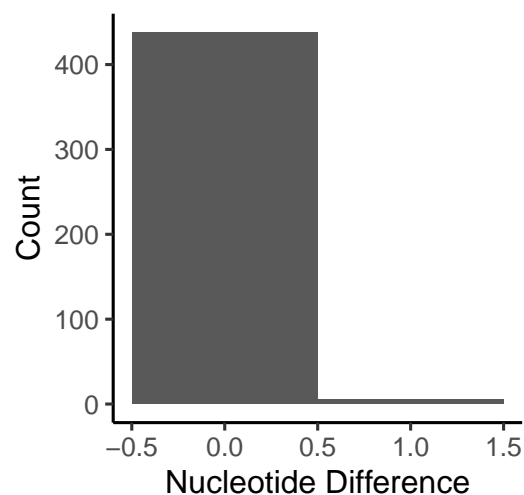
TRBV7-8*ap03

550 sequences assigned
423 (76.9%) exact matches, in which:
423 unique CDR3
13 unique J

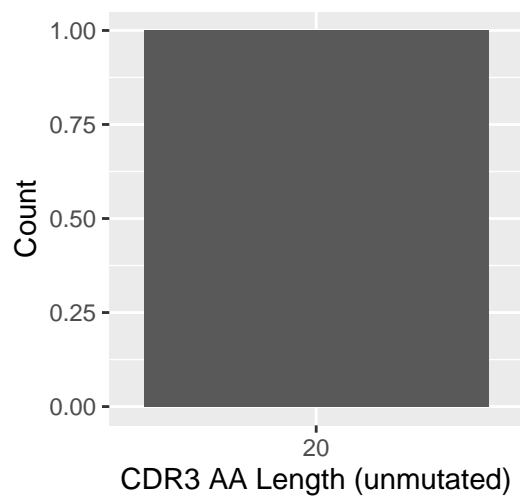


TRBV29-1*ap02

443 sequences assigned
438 (98.9%) exact matches, in which:
438 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

