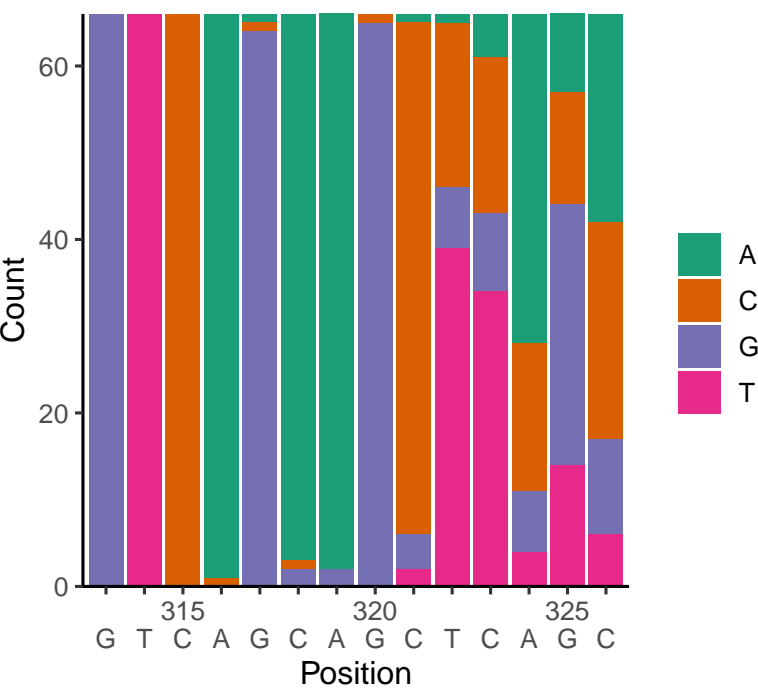
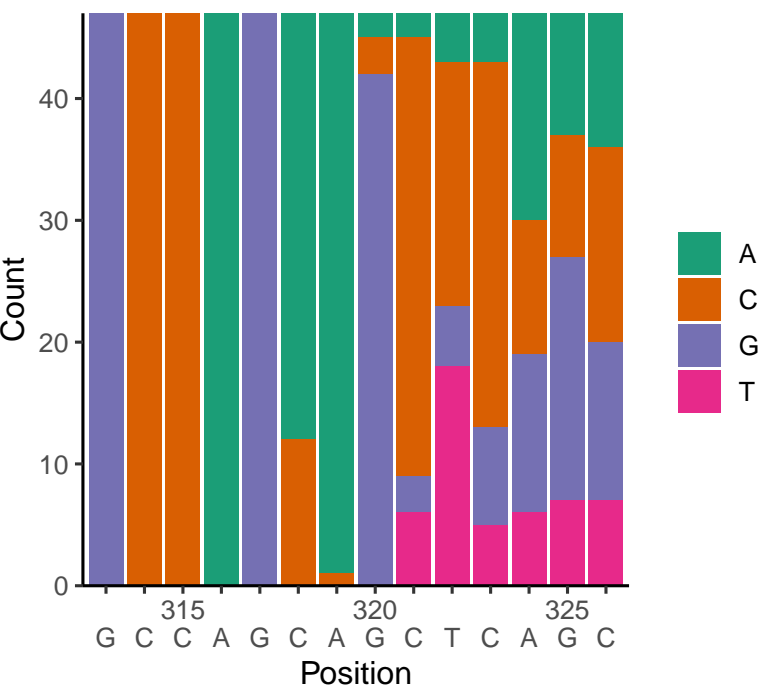


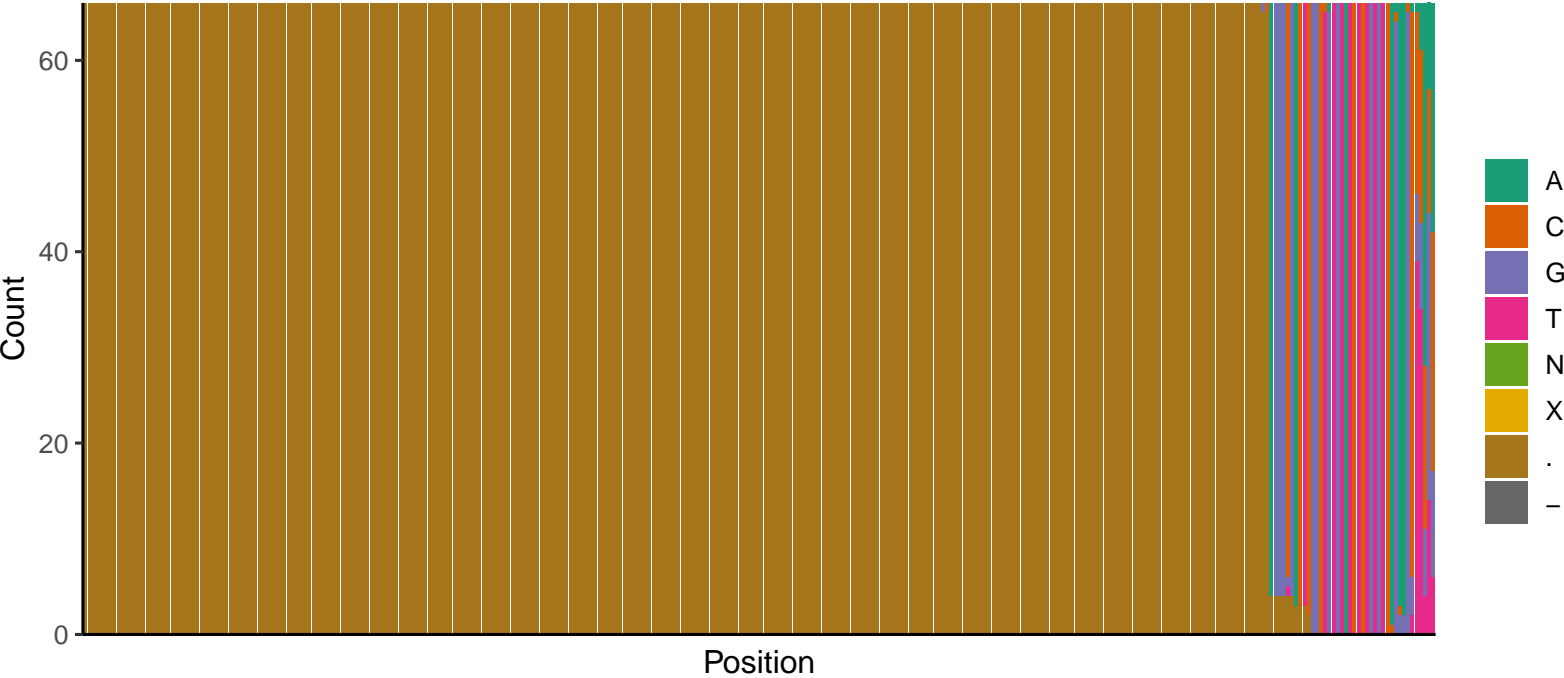
Gene TRBV7-1*ap01_T296C_C314T



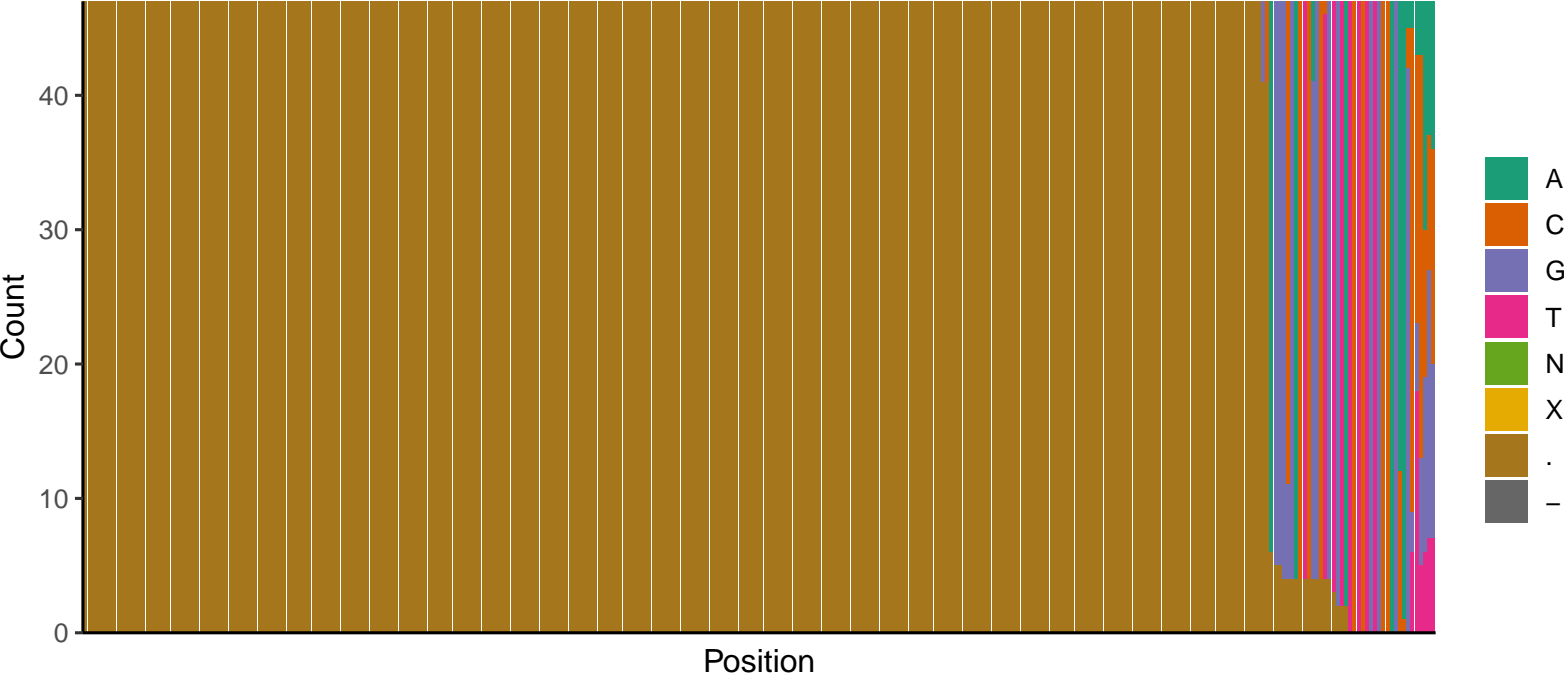
Gene TRBV7-1*ap01_T296C



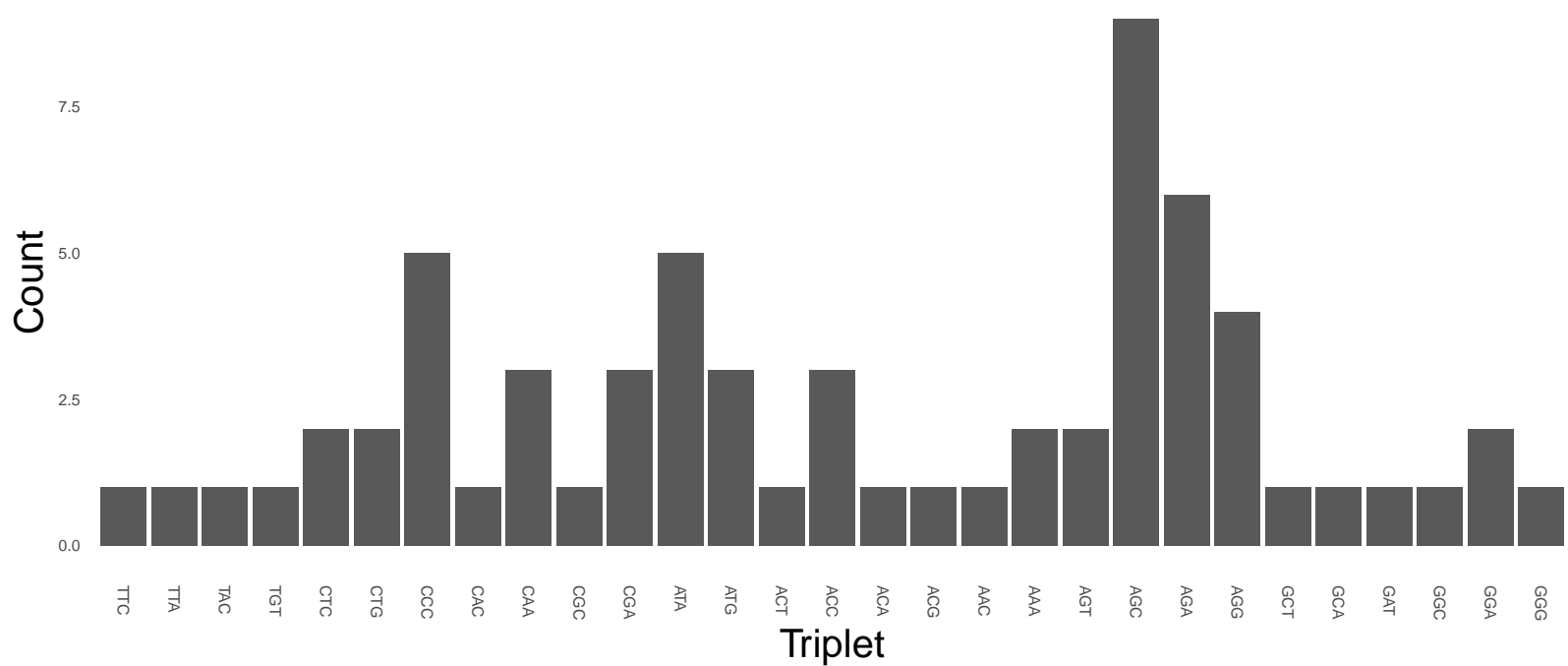
Gene TRBV7-1*ap01_T296C_C314T



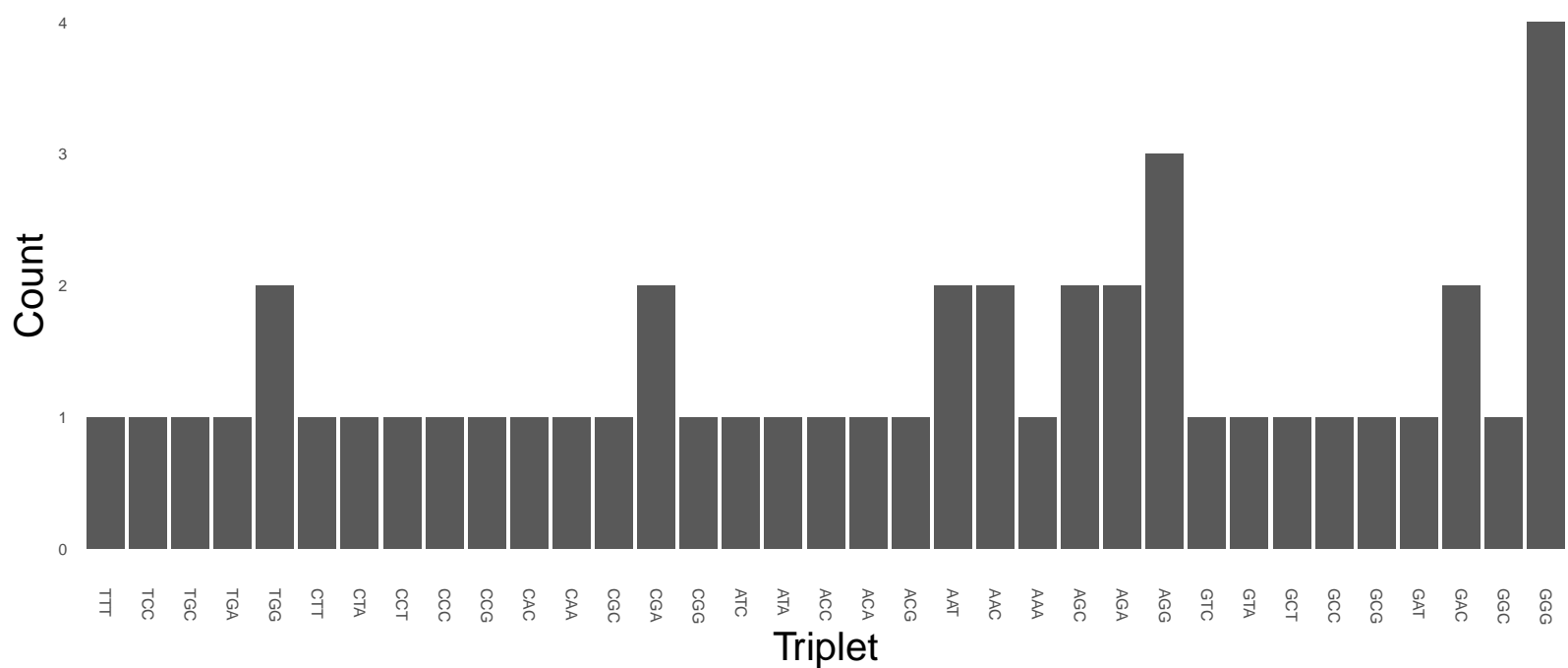
Gene TRBV7-1*ap01_T296C



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

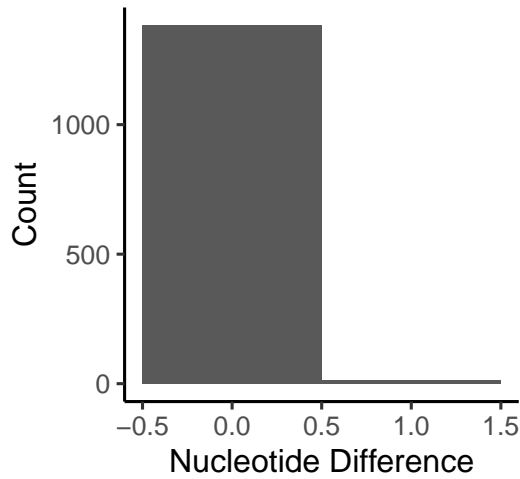


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



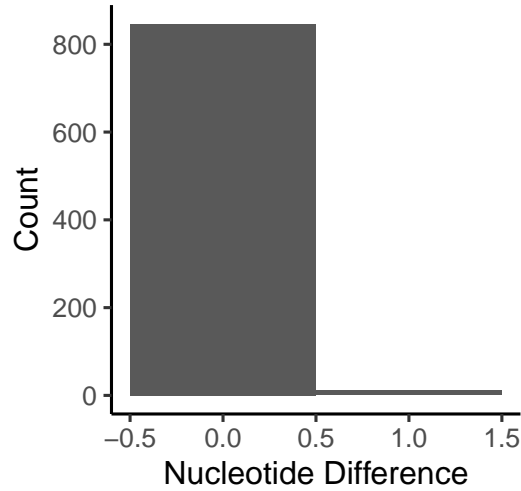
TRBV10–1*ap01

1398 sequences assigned
1383 (98.9%) exact matches, in which:
1345 unique CDR3
13 unique J



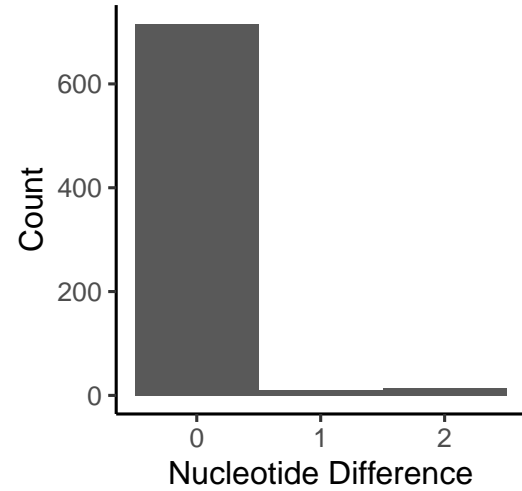
TRBV10–2*ap01

858 sequences assigned
847 (98.7%) exact matches, in which:
822 unique CDR3
13 unique J



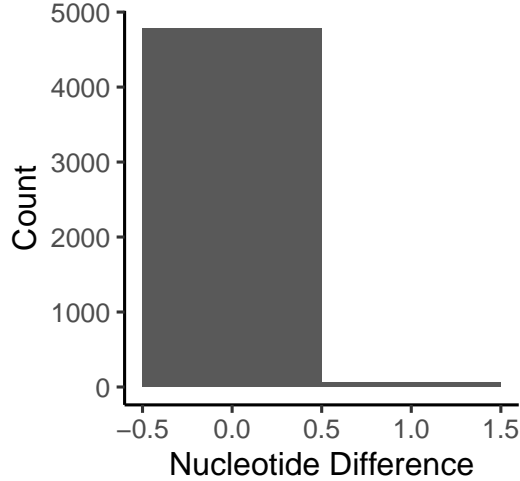
TRBV13*ap01

741 sequences assigned
716 (96.6%) exact matches, in which:
690 unique CDR3
13 unique J



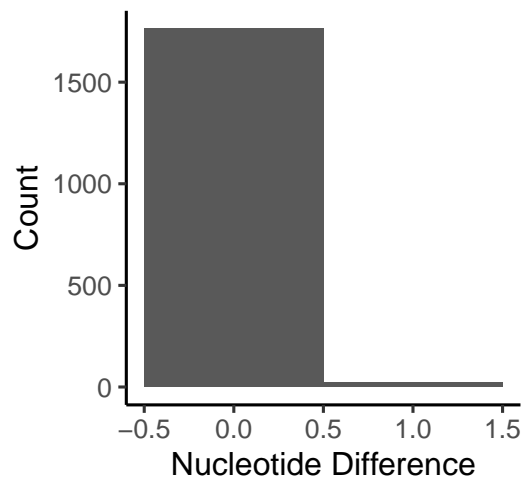
TRBV20–1*ap01

4836 sequences assigned
4778 (98.8%) exact matches, in which:
4635 unique CDR3
13 unique J



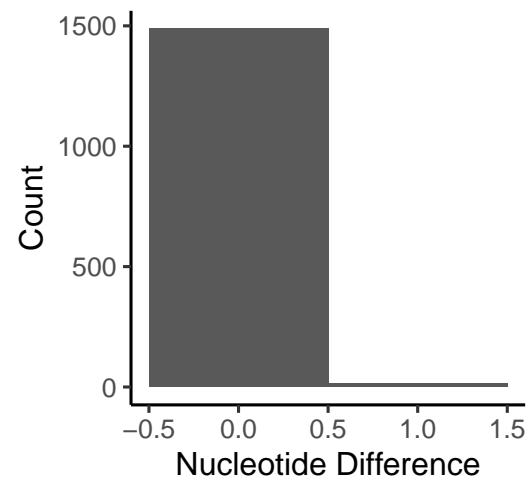
TRBV10–3*ap01

1783 sequences assigned
1763 (98.9%) exact matches, in which:
1709 unique CDR3
13 unique J



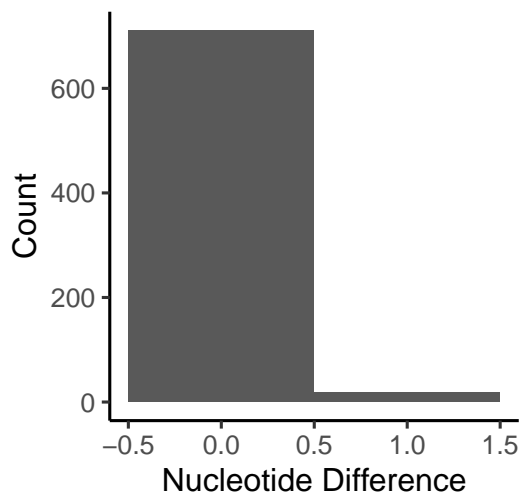
TRBV14*ap01

1502 sequences assigned
1488 (99.1%) exact matches, in which:
1445 unique CDR3
13 unique J



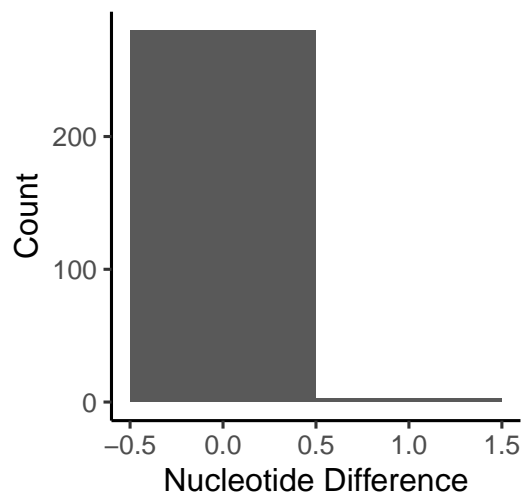
TRBV20–1*ap02

729 sequences assigned
711 (97.5%) exact matches, in which:
694 unique CDR3
13 unique J



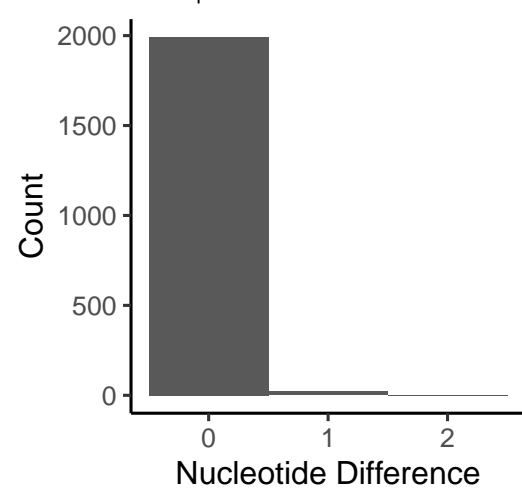
TRBV1*ap01

283 sequences assigned
280 (98.9%) exact matches, in which:
269 unique CDR3
12 unique J



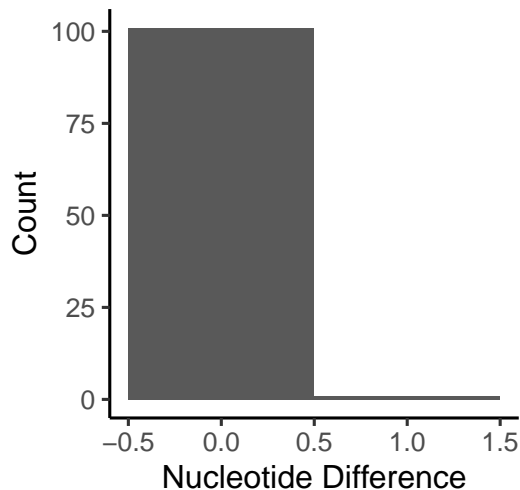
TRBV15*ap02

2016 sequences assigned
1992 (98.8%) exact matches, in which:
1940 unique CDR3
13 unique J



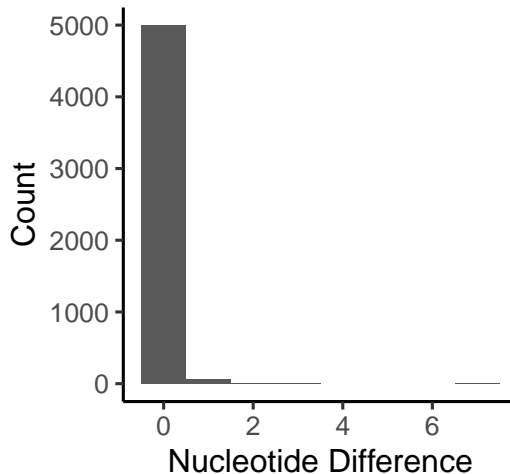
TRBV16*ap01

102 sequences assigned
101 (99%) exact matches, in which:
99 unique CDR3
13 unique J



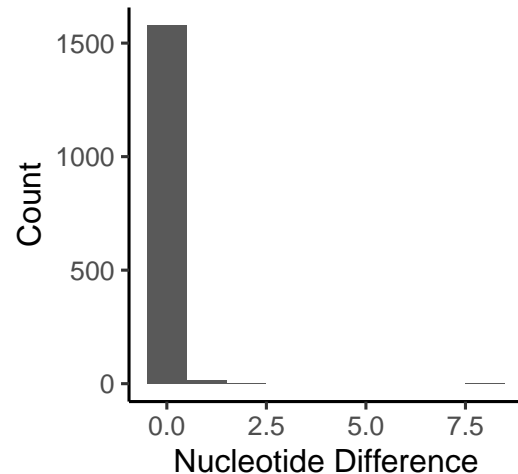
TRBV2*ap01

5071 sequences assigned
4996 (98.5%) exact matches, in which:
4883 unique CDR3
13 unique J



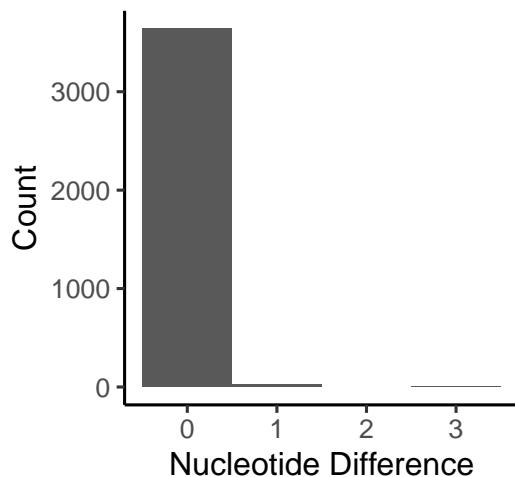
TRBV30*ap01

1597 sequences assigned
1578 (98.8%) exact matches, in which:
1556 unique CDR3
13 unique J



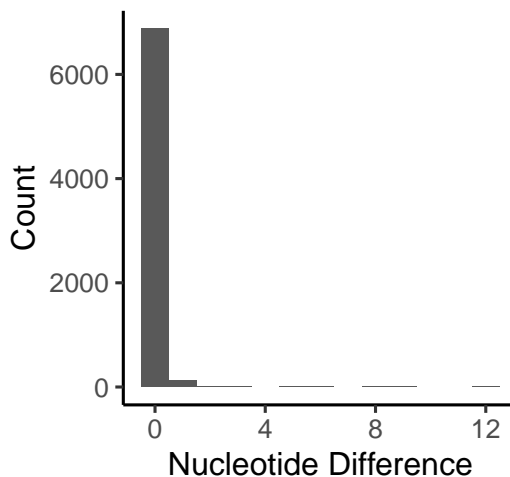
TRBV18*ap01

3665 sequences assigned
3640 (99.3%) exact matches, in which:
3580 unique CDR3
13 unique J



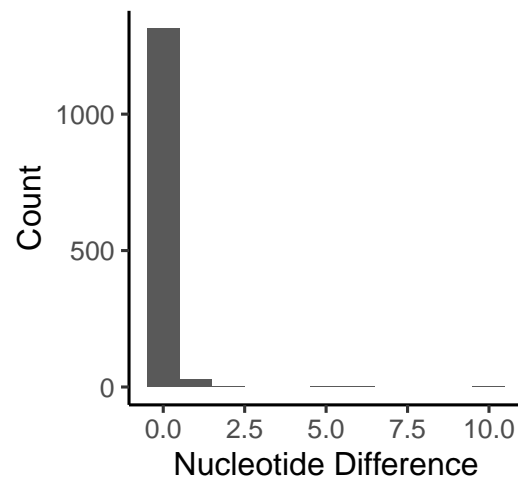
TRBV27*ap01

7023 sequences assigned
6877 (97.9%) exact matches, in which:
6686 unique CDR3
13 unique J



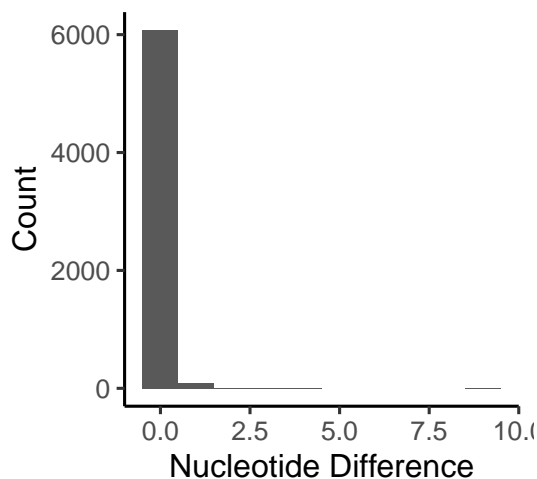
TRBV30*ap02

1347 sequences assigned
1313 (97.5%) exact matches, in which:
1297 unique CDR3
13 unique J



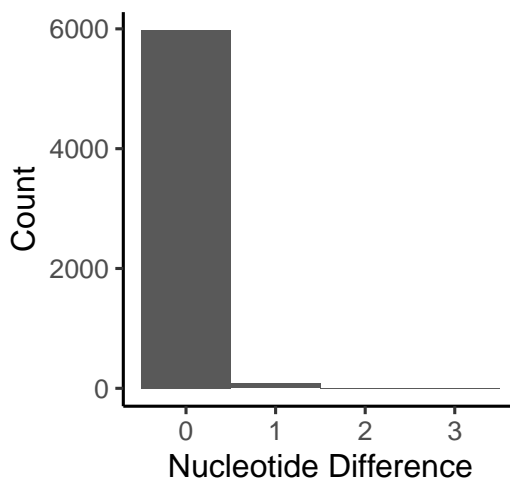
TRBV19*ap01

6179 sequences assigned
6078 (98.4%) exact matches, in which:
5948 unique CDR3
13 unique J



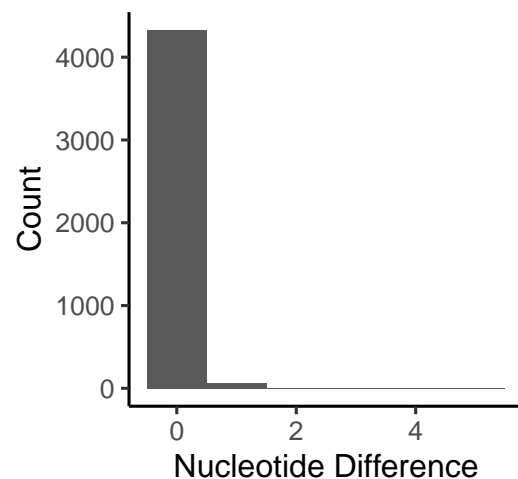
TRBV28*ap01

6066 sequences assigned
5980 (98.6%) exact matches, in which:
5819 unique CDR3
13 unique J



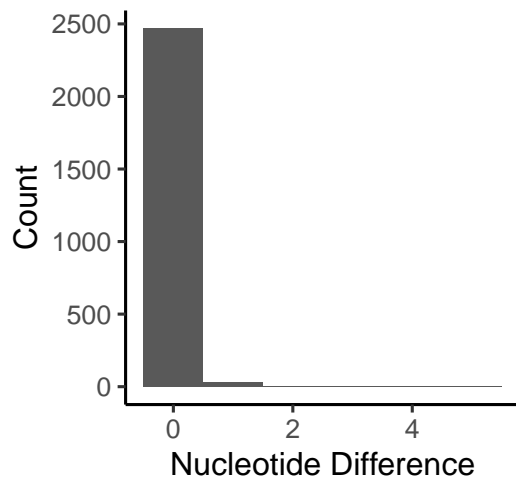
TRBV9*ap01

4398 sequences assigned
4328 (98.4%) exact matches, in which:
4230 unique CDR3
13 unique J



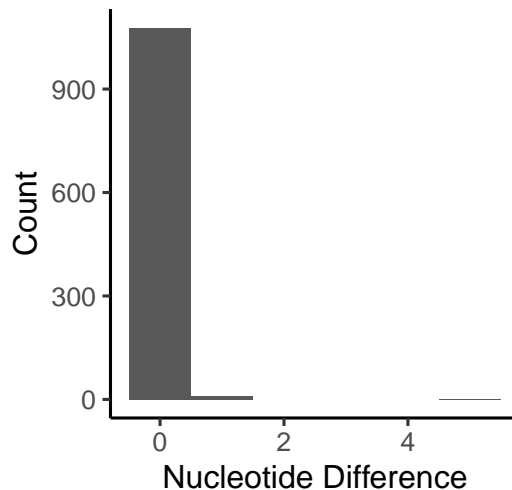
TRBV21-1*ap01

2508 sequences assigned
2469 (98.4%) exact matches, in which:
2420 unique CDR3
13 unique J



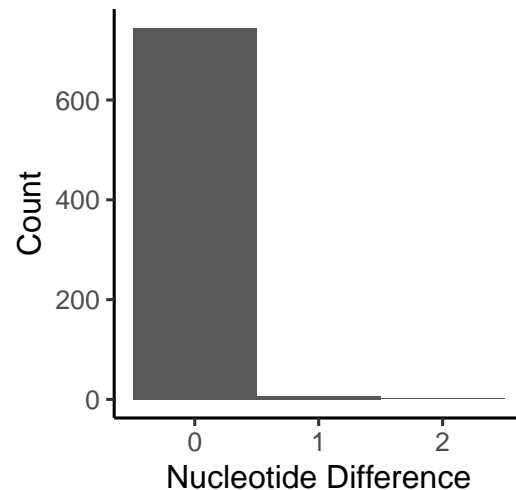
TRBV11-3*ap01

1090 sequences assigned
1078 (98.9%) exact matches, in which:
1055 unique CDR3
13 unique J



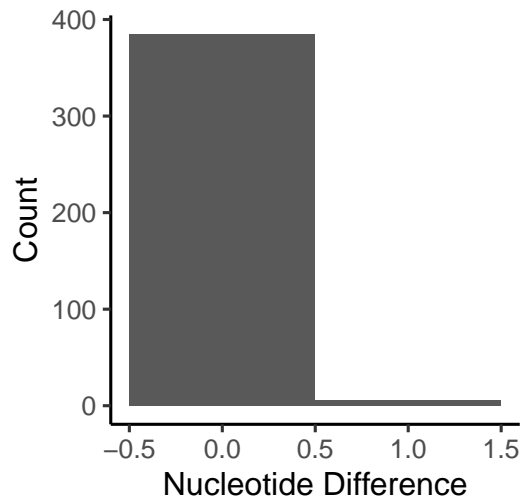
TRBV12-5*ap01

754 sequences assigned
745 (98.8%) exact matches, in which:
727 unique CDR3
13 unique J



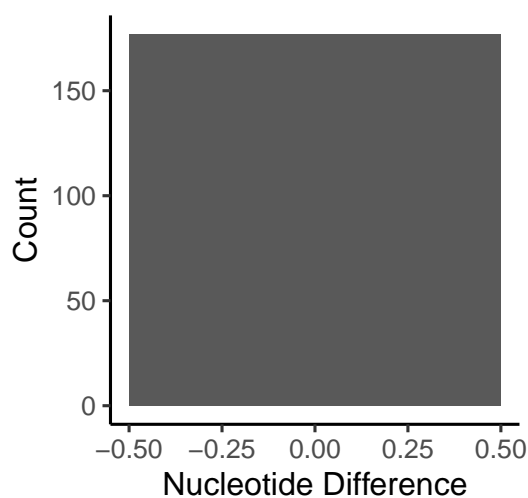
TRBV11-1*ap01

391 sequences assigned
385 (98.5%) exact matches, in which:
377 unique CDR3
13 unique J



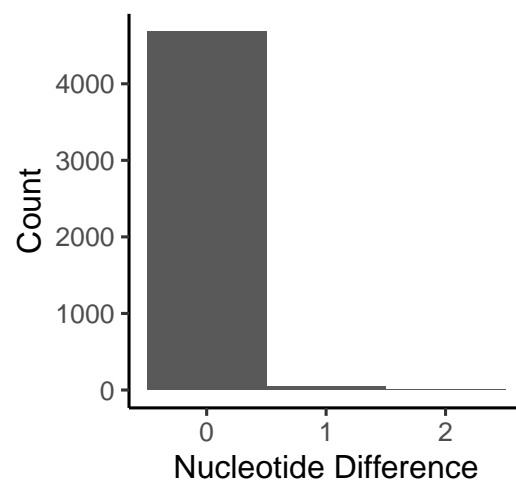
TRBV12-1*ap01

177 sequences assigned
177 (100%) exact matches, in which:
168 unique CDR3
13 unique J



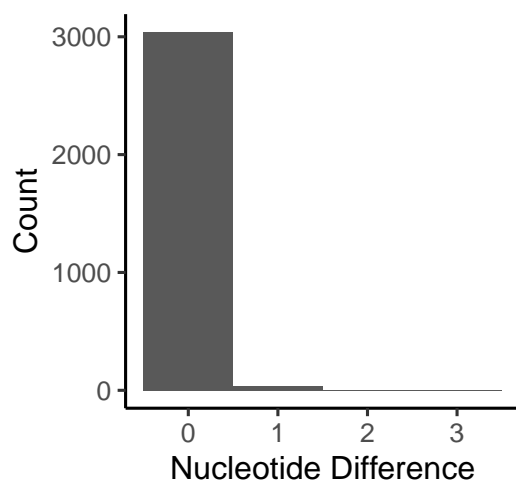
TRBV12-34*ap01

4732 sequences assigned
4680 (98.9%) exact matches, in which:
4561 unique CDR3
13 unique J



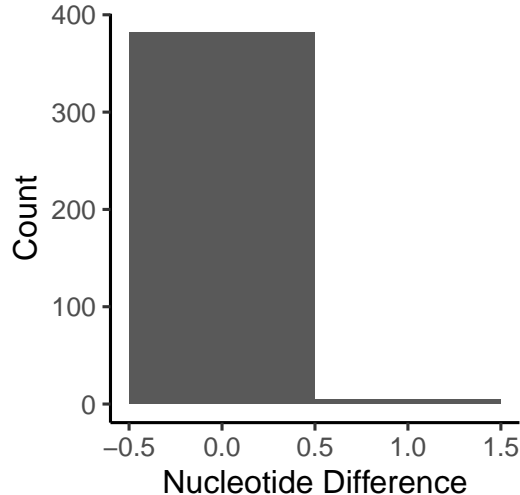
TRBV11-2*ap01

3079 sequences assigned
3040 (98.7%) exact matches, in which:
2958 unique CDR3
13 unique J



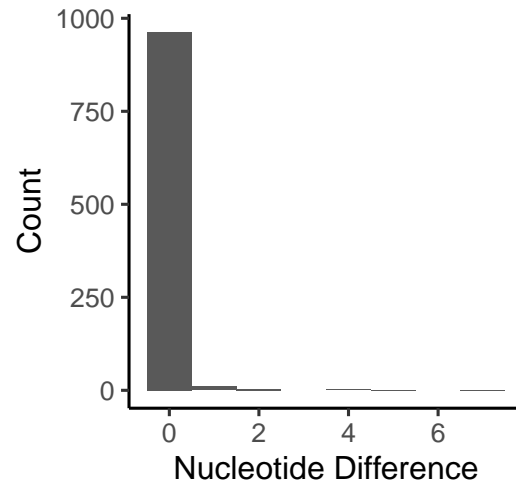
TRBV12-2*ap01

387 sequences assigned
382 (98.7%) exact matches, in which:
373 unique CDR3
13 unique J



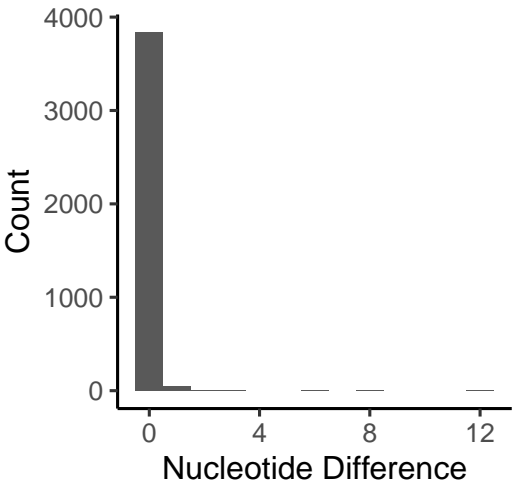
TRBV23-1*ap01

981 sequences assigned
963 (98.2%) exact matches, in which:
921 unique CDR3
13 unique J



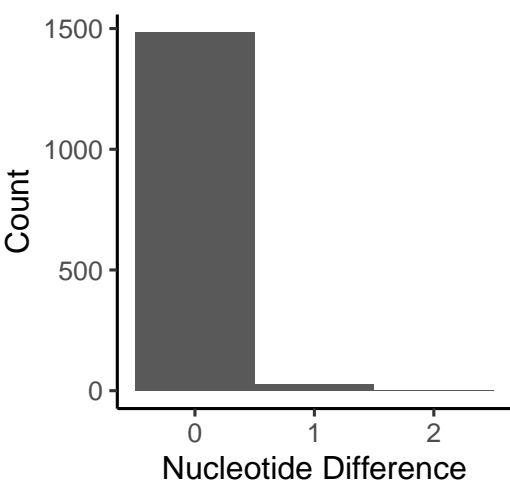
TRBV3-12*ap01

3893 sequences assigned
3836 (98.5%) exact matches, in which:
3736 unique CDR3
13 unique J



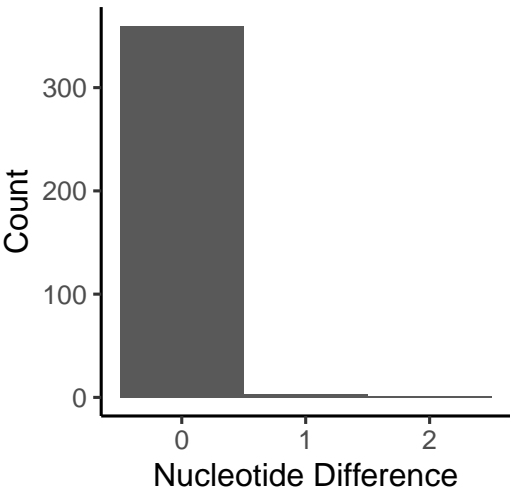
TRBV4-2*ap01

1513 sequences assigned
1484 (98.1%) exact matches, in which:
1444 unique CDR3
13 unique J



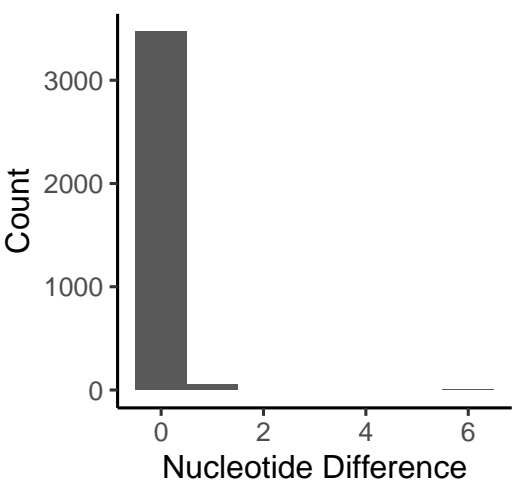
TRBV5-3*ap01

364 sequences assigned
360 (98.9%) exact matches, in which:
348 unique CDR3
13 unique J



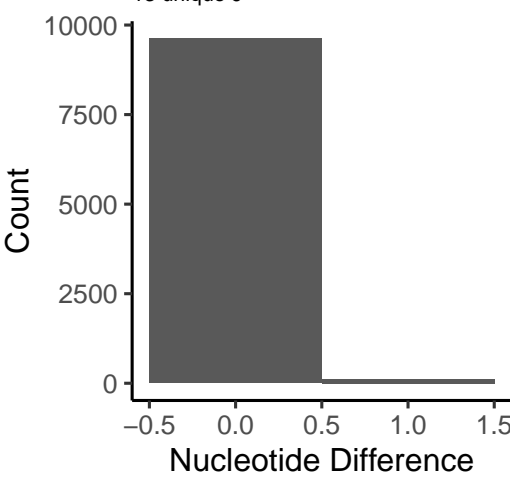
TRBV4-1*ap01

3521 sequences assigned
3470 (98.6%) exact matches, in which:
3405 unique CDR3
13 unique J



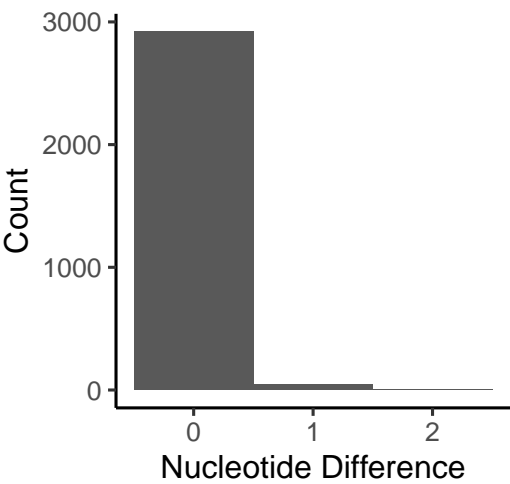
TRBV5-1*ap01

9750 sequences assigned
9625 (98.7%) exact matches, in which:
9378 unique CDR3
13 unique J



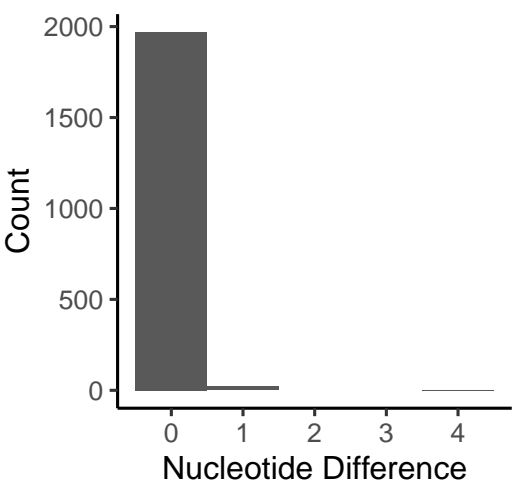
TRBV5-4*ap01

2966 sequences assigned
2920 (98.4%) exact matches, in which:
2843 unique CDR3
14 unique J



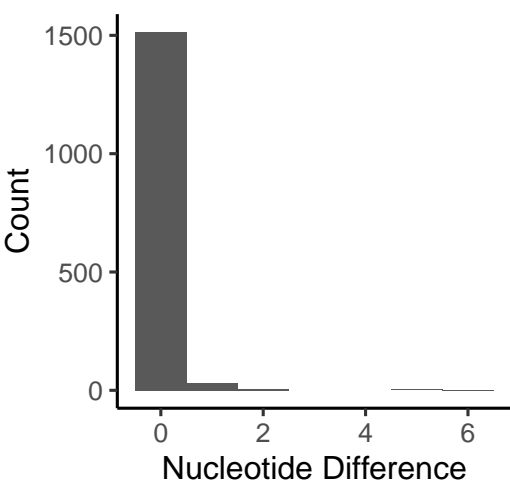
TRBV24-1*ap01

1994 sequences assigned
1970 (98.8%) exact matches, in which:
1919 unique CDR3
13 unique J



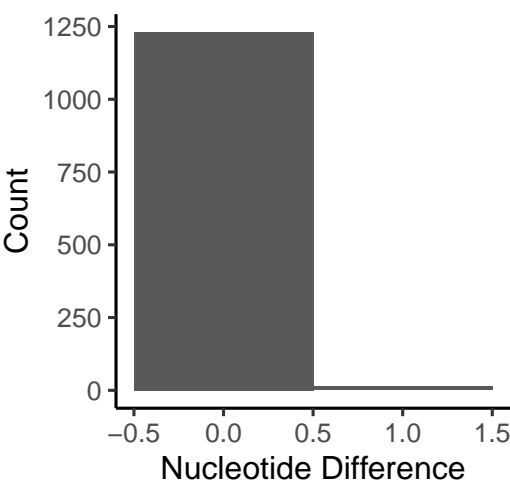
TRBV25-1*ap01

1554 sequences assigned
1514 (97.4%) exact matches, in which:
1485 unique CDR3
13 unique J



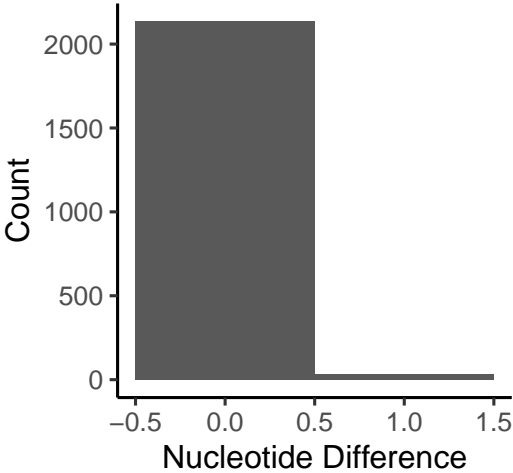
TRBV5-5*ap01

1244 sequences assigned
1231 (99%) exact matches, in which:
1201 unique CDR3
13 unique J



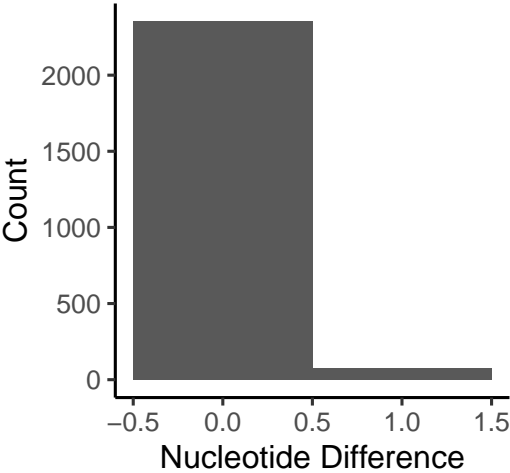
TRBV5-6*ap01

2170 sequences assigned
2135 (98.4%) exact matches, in which:
2080 unique CDR3
13 unique J



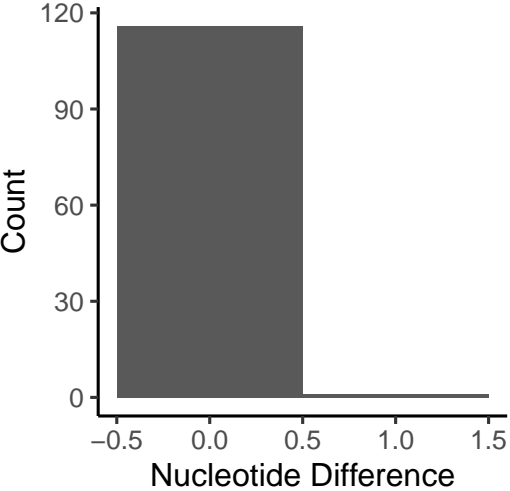
TRBV6-1*ap01

2426 sequences assigned
2353 (97%) exact matches, in which:
2284 unique CDR3
13 unique J



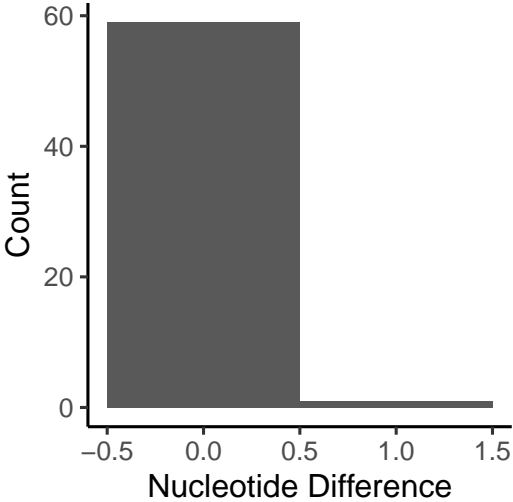
TRBV6-8*ap01

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



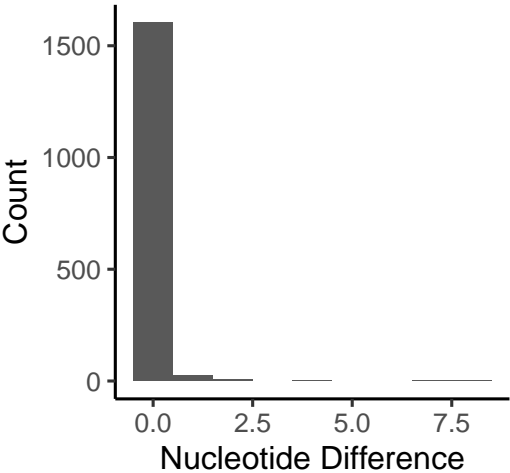
TRBV5-7*ap01

60 sequences assigned
59 (98.3%) exact matches, in which:
58 unique CDR3
12 unique J



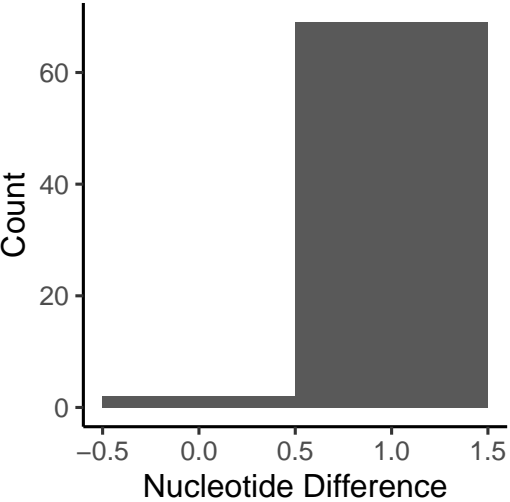
TRBV6-4*ap01

1635 sequences assigned
1603 (98%) exact matches, in which:
1574 unique CDR3
13 unique J



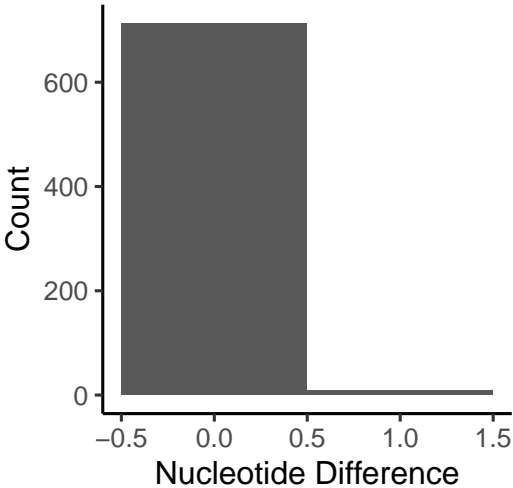
TRBV6-9*ap01

71 sequences assigned
2 (2.8%) exact matches, in which:
2 unique CDR3
2 unique J



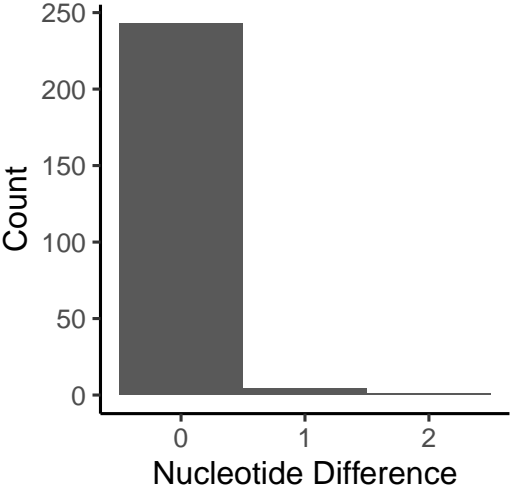
TRBV5-8*ap01

721 sequences assigned
713 (98.9%) exact matches, in which:
693 unique CDR3
13 unique J



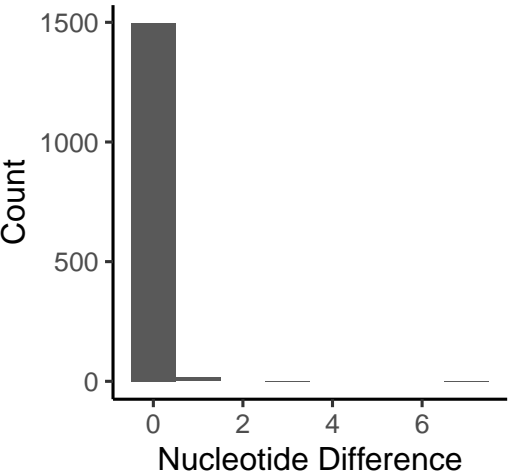
TRBV6-7*ap01

248 sequences assigned
243 (98%) exact matches, in which:
230 unique CDR3
13 unique J



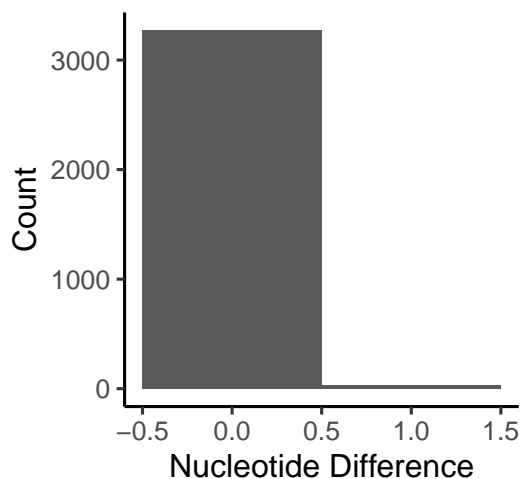
TRBV6-23*ap01

1516 sequences assigned
1497 (98.7%) exact matches, in which:
1458 unique CDR3
13 unique J



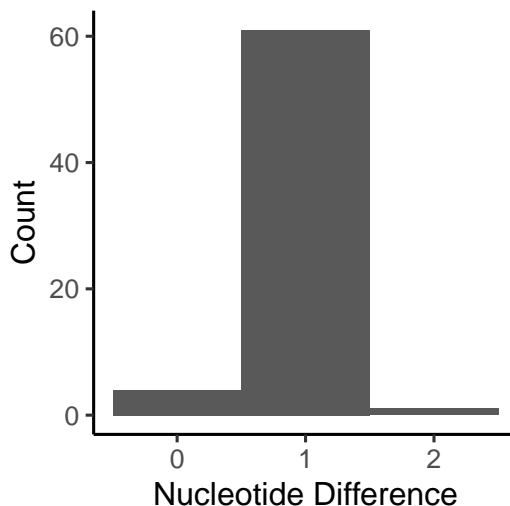
TRBV6-56*ap01

3306 sequences assigned
3271 (98.9%) exact matches, in which:
3194 unique CDR3
13 unique J



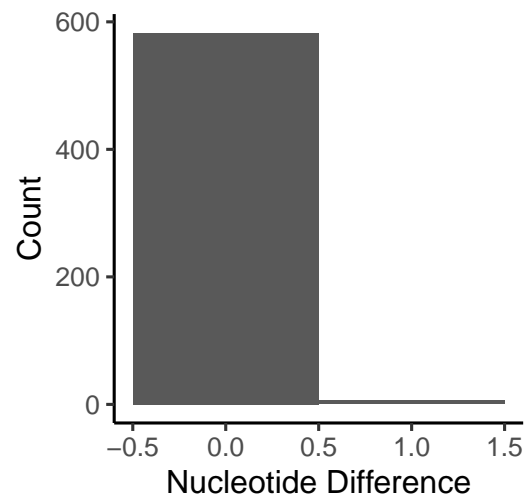
TRBV7-1*ap01_T296C_C

66 sequences assigned
4 (6.1%) exact matches, in which:
4 unique CDR3
4 unique J



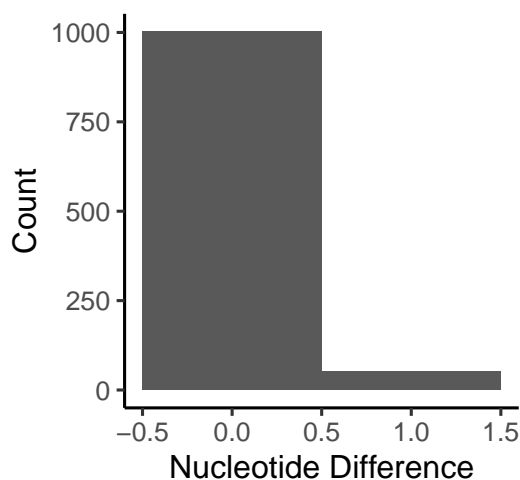
TRBV7-3*ap03

589 sequences assigned
583 (99%) exact matches, in which:
560 unique CDR3
13 unique J



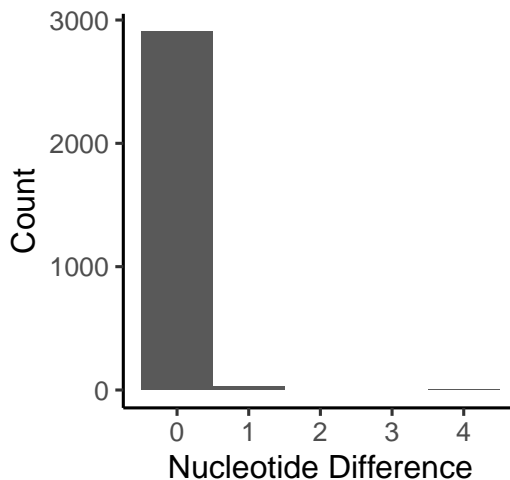
TRBV6-56*ap02

1053 sequences assigned
1002 (95.2%) exact matches, in which:
977 unique CDR3
13 unique J



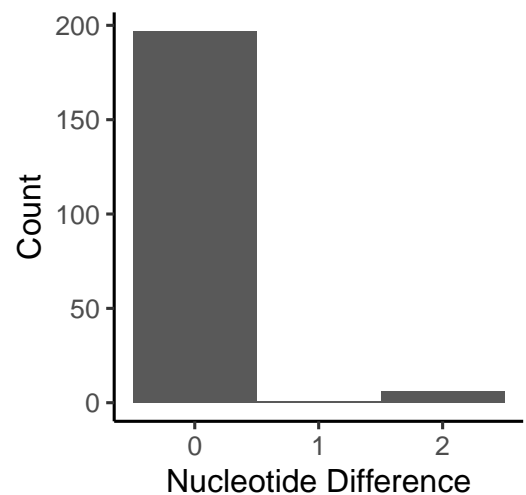
TRBV7-2*ap01

2932 sequences assigned
2905 (99.1%) exact matches, in which:
2828 unique CDR3
13 unique J



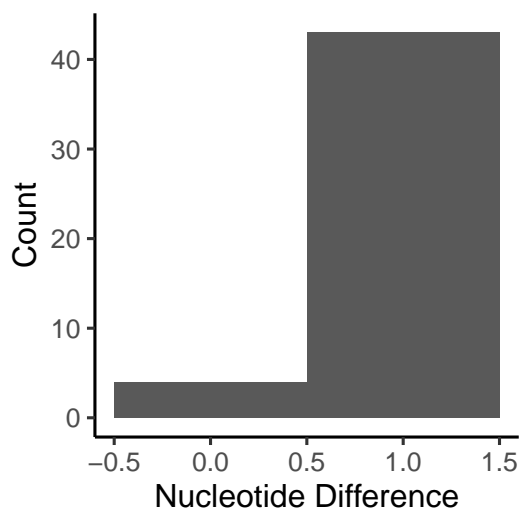
TRBV7-4*ap01

204 sequences assigned
197 (96.6%) exact matches, in which:
189 unique CDR3
13 unique J



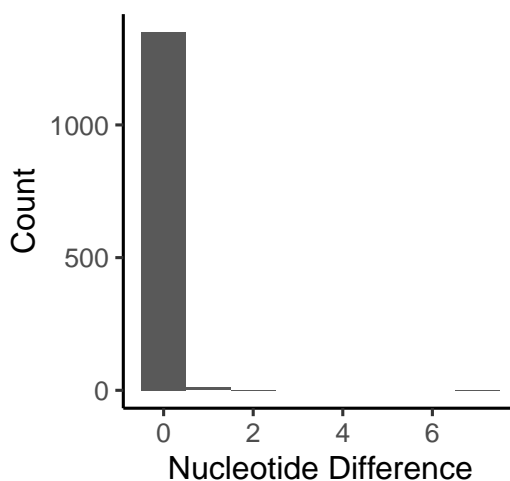
TRBV7-1*ap01_T296C

47 sequences assigned
4 (8.5%) exact matches, in which:
3 unique CDR3
2 unique J



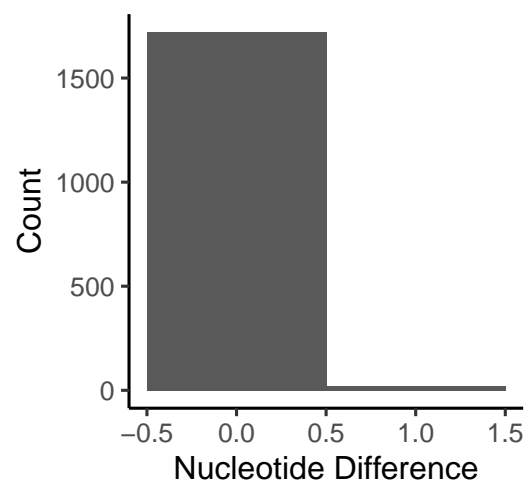
TRBV7-3*ap01

1362 sequences assigned
1350 (99.1%) exact matches, in which:
1323 unique CDR3
13 unique J



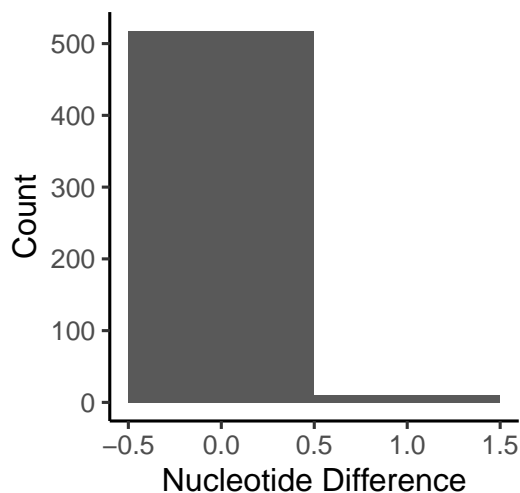
TRBV7-6*ap01

1741 sequences assigned
1721 (98.9%) exact matches, in which:
1678 unique CDR3
13 unique J



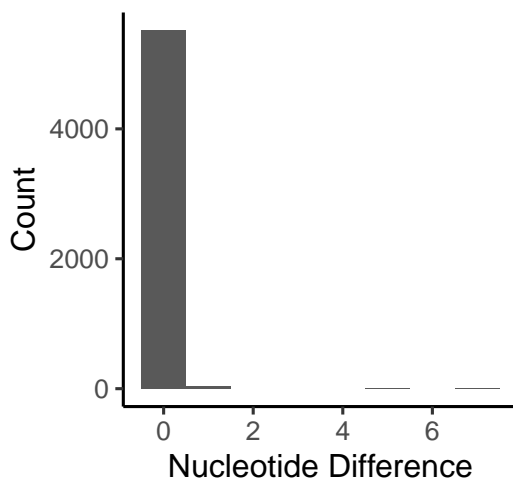
TRBV7-7*ap01

528 sequences assigned
518 (98.1%) exact matches, in which:
508 unique CDR3
13 unique J



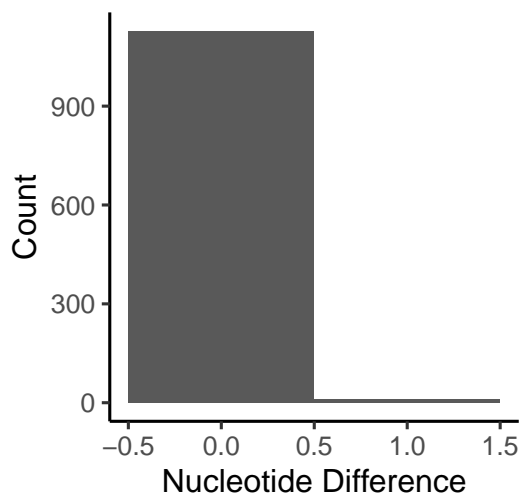
TRBV7-9*ap01

5562 sequences assigned
5516 (99.2%) exact matches, in which:
5394 unique CDR3
13 unique J



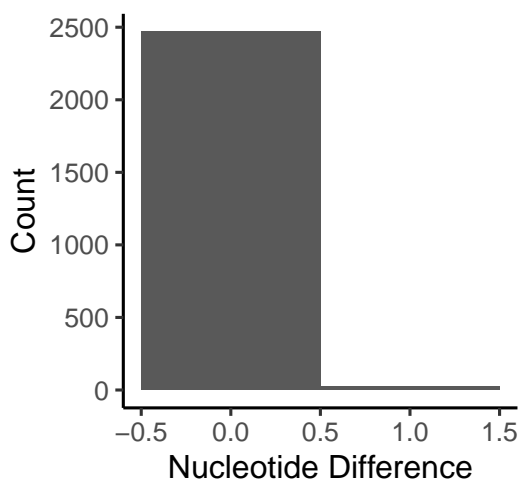
TRBV7-8*ap01

1140 sequences assigned
1128 (98.9%) exact matches, in which:
1101 unique CDR3
13 unique J



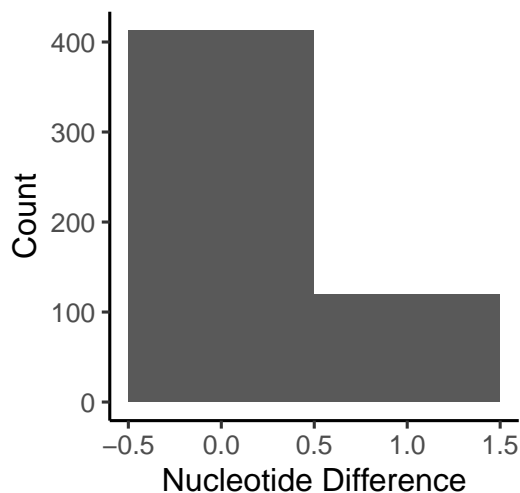
TRBV29-1*ap01

2493 sequences assigned
2469 (99%) exact matches, in which:
2420 unique CDR3
13 unique J



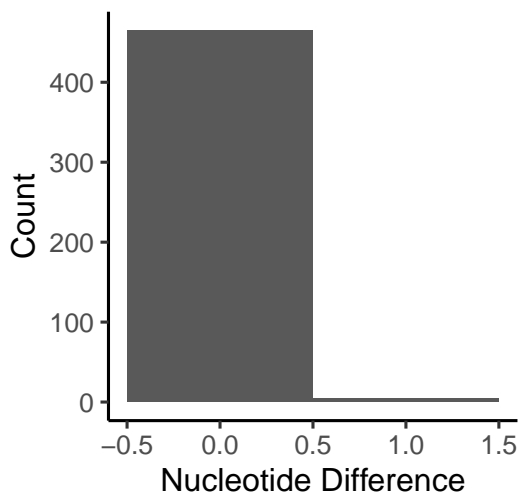
TRBV7-8*ap03

533 sequences assigned
413 (77.5%) exact matches, in which:
399 unique CDR3
13 unique J

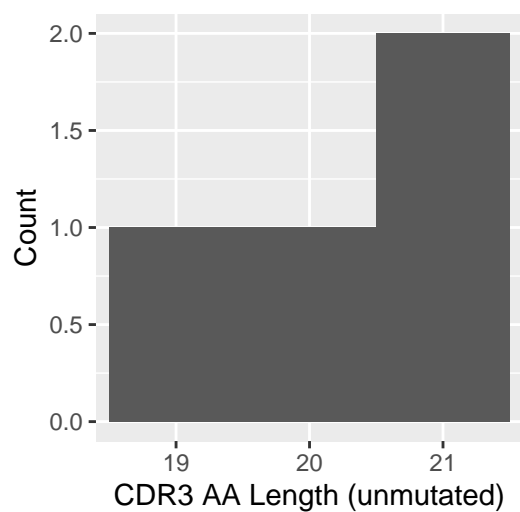


TRBV29-1*ap02

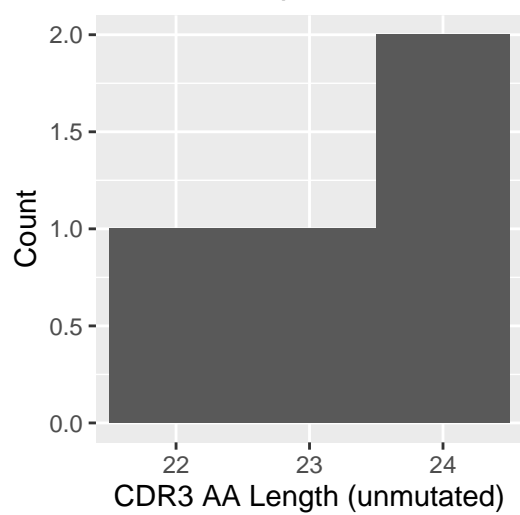
469 sequences assigned
465 (99.1%) exact matches, in which:
451 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C





[illegible]