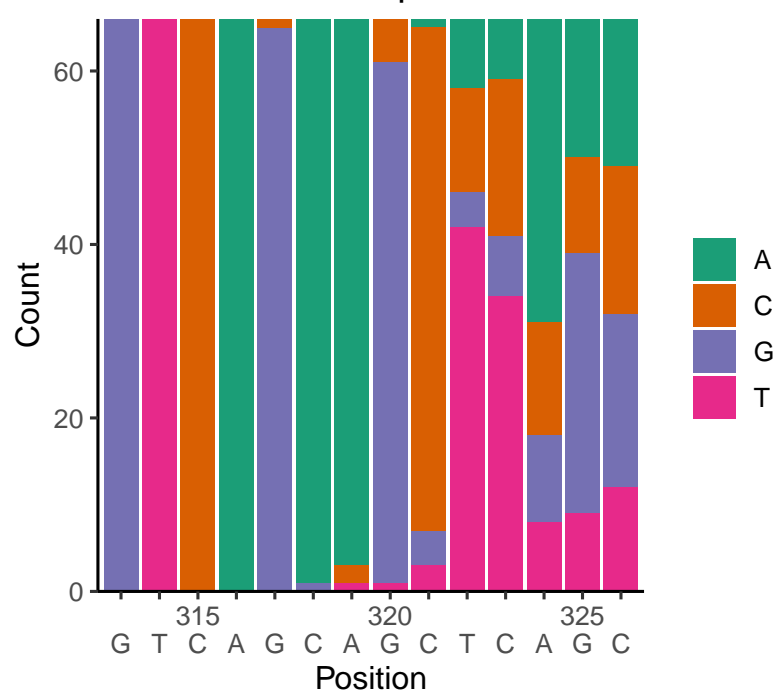
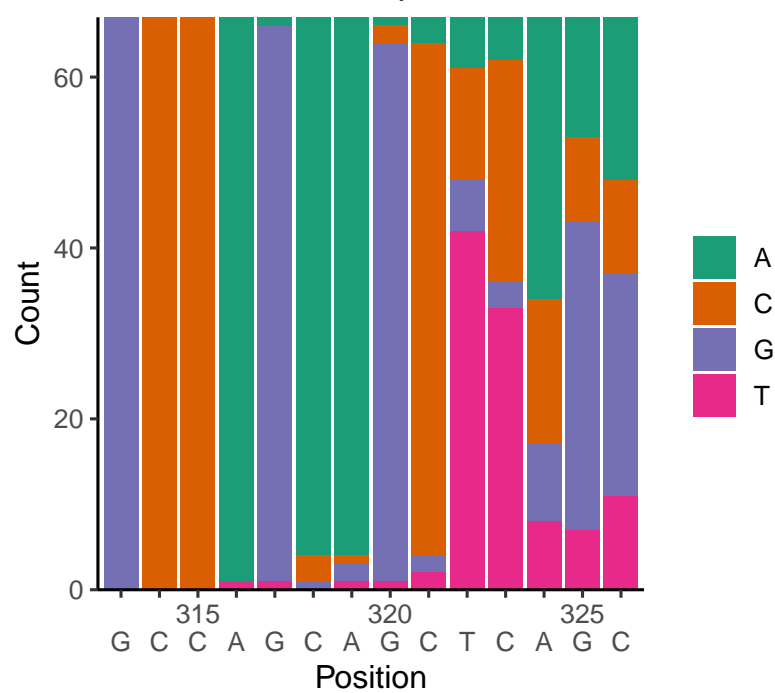


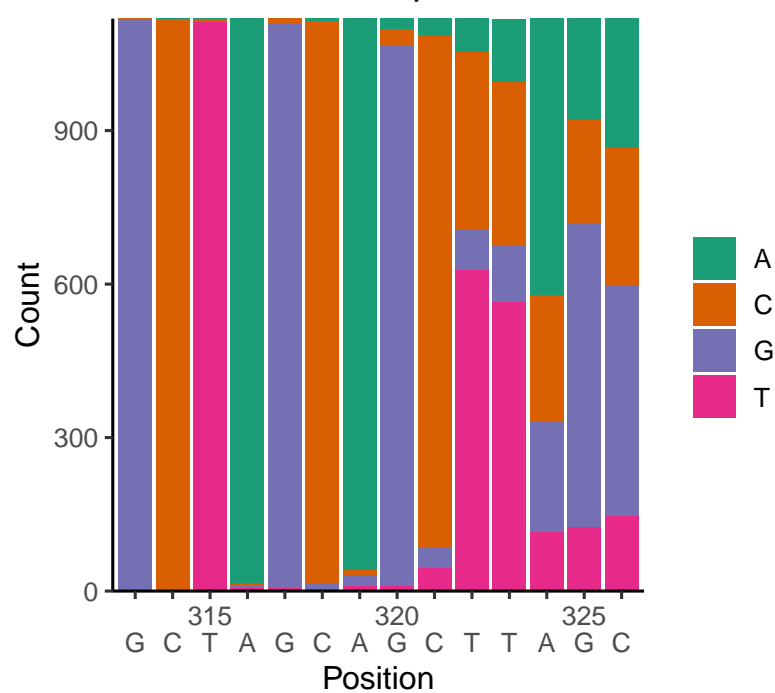
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C_C314T



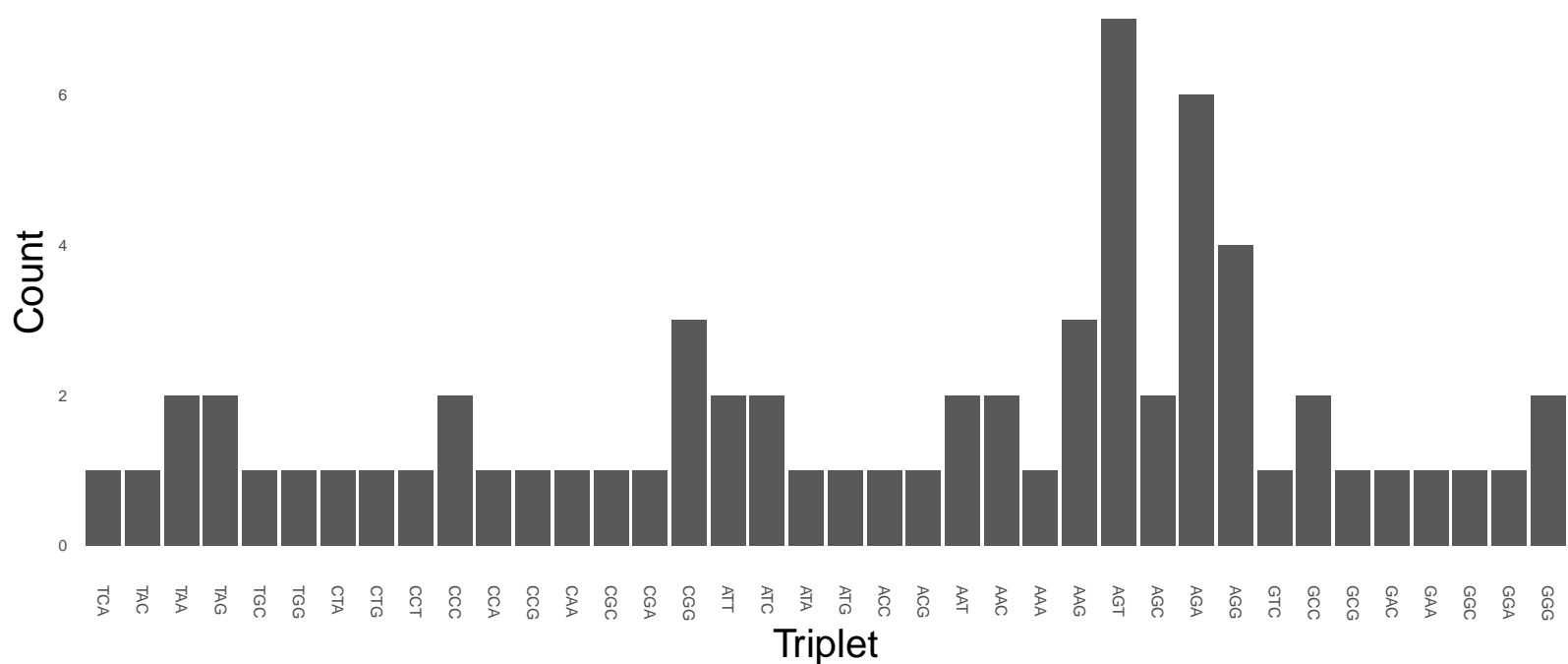
Gene TRBV7-1*ap01_G291C_T296C



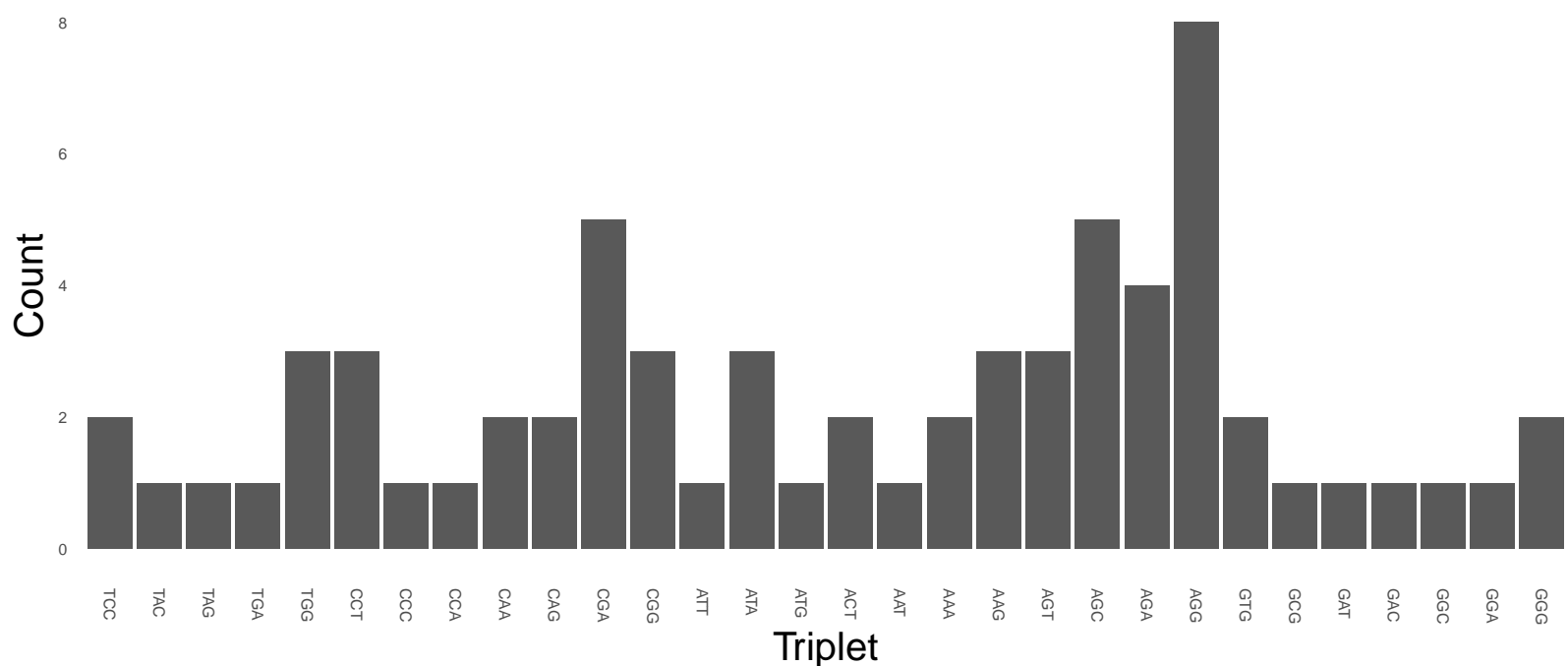
Gene TRBV7-7*ap01_C315T



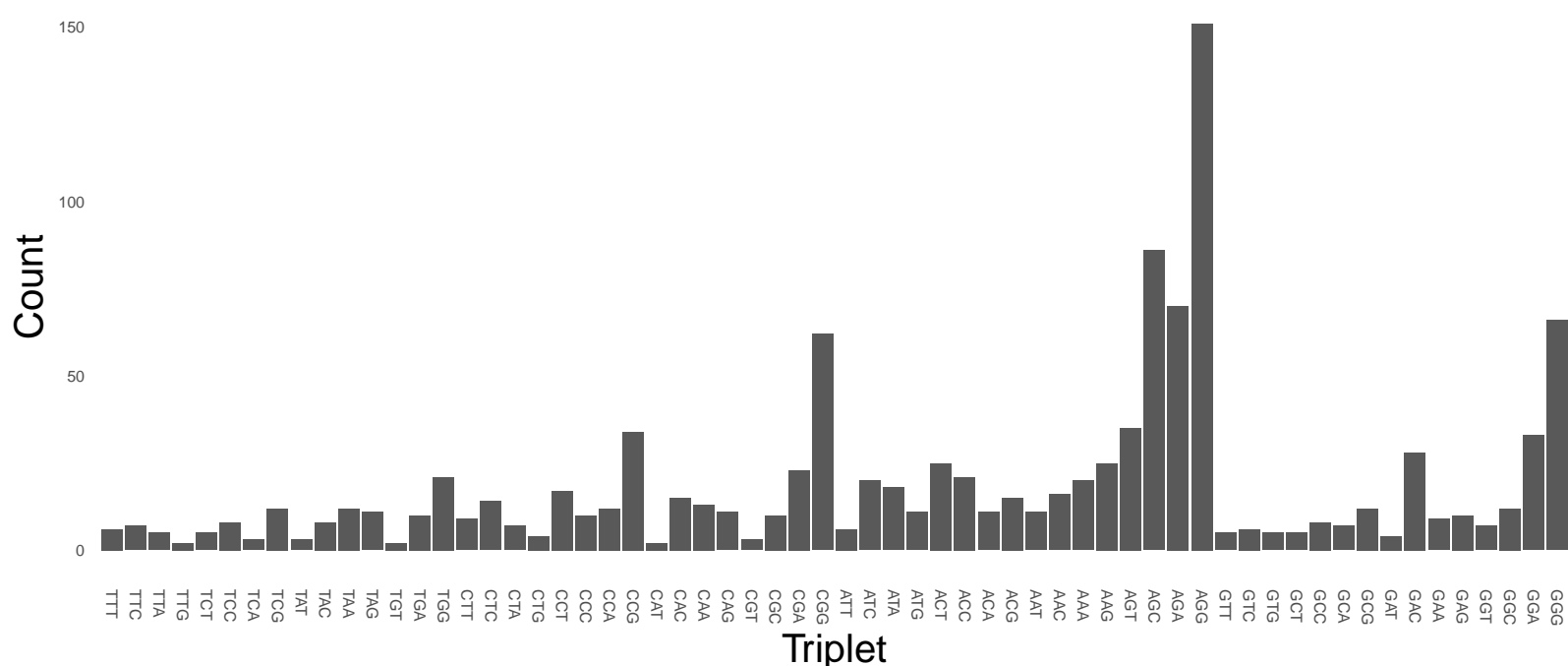
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

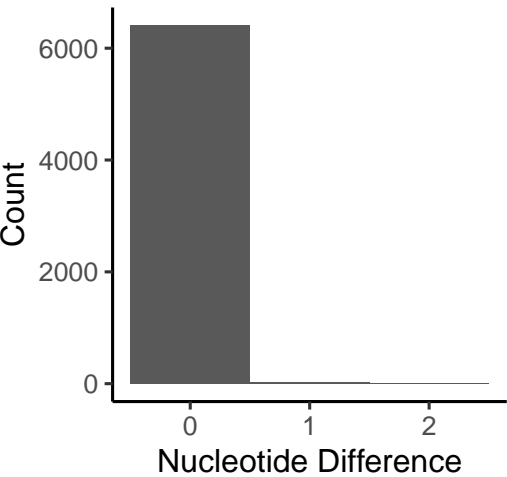


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



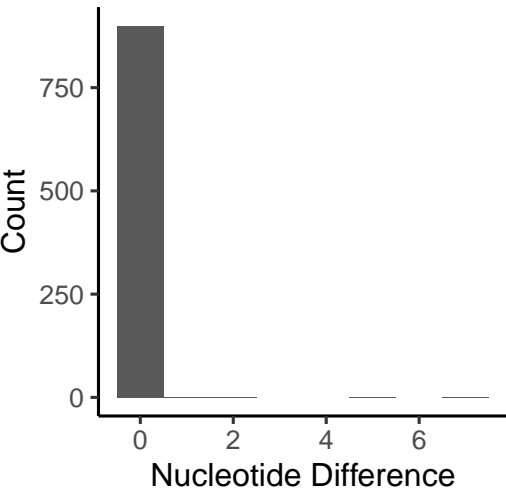
TRBV20-1*ap01

6434 sequences assigned
6408 (99.6%) exact matches, in which:
6381 unique CDR3
13 unique J



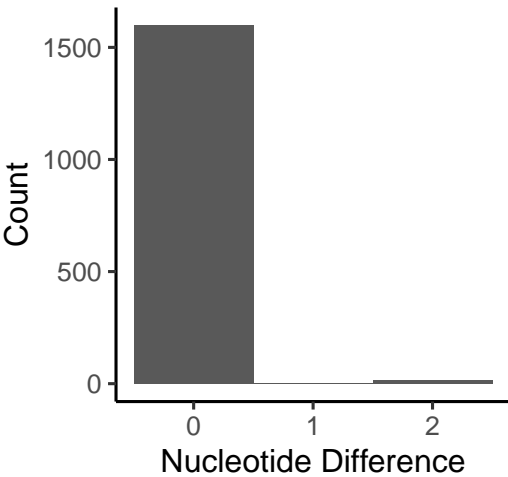
TRBV10-2*ap01

904 sequences assigned
900 (99.6%) exact matches, in which:
899 unique CDR3
13 unique J



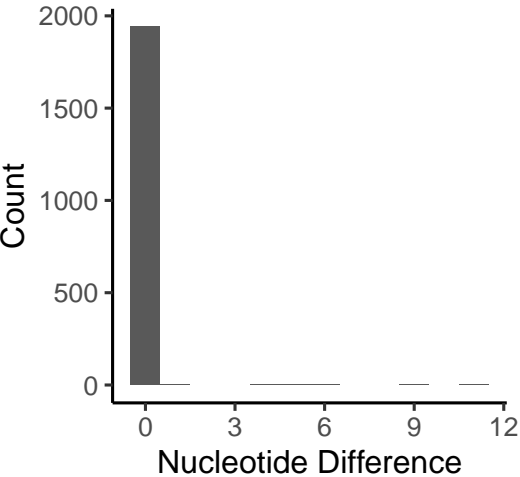
TRBV13*ap01

1616 sequences assigned
1598 (98.9%) exact matches, in which:
1593 unique CDR3
13 unique J



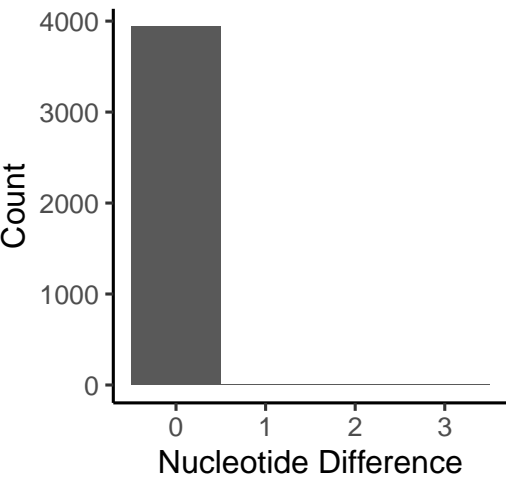
TRBV10-1*ap01

1951 sequences assigned
1941 (99.5%) exact matches, in which:
1941 unique CDR3
13 unique J



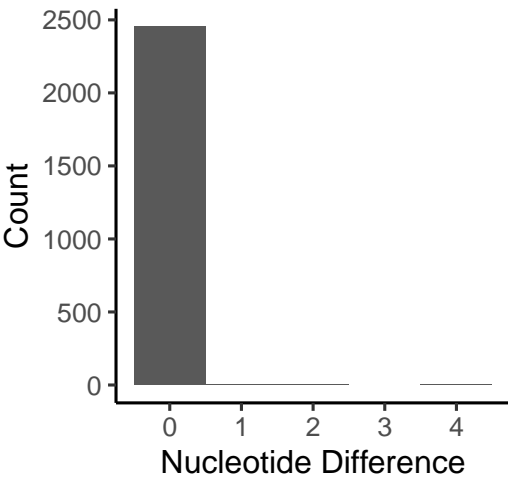
TRBV10-3*ap01

3946 sequences assigned
3938 (99.8%) exact matches, in which:
3934 unique CDR3
13 unique J



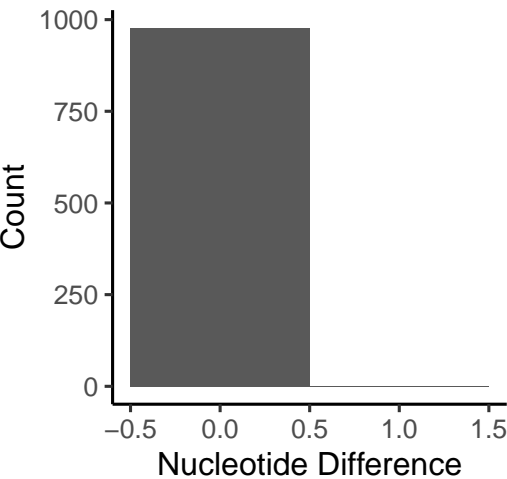
TRBV14*ap01

2459 sequences assigned
2453 (99.8%) exact matches, in which:
2452 unique CDR3
13 unique J



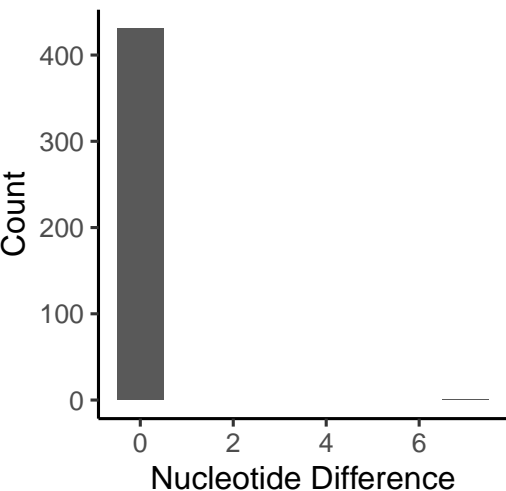
TRBV20-1*ap02

978 sequences assigned
977 (99.9%) exact matches, in which:
972 unique CDR3
13 unique J



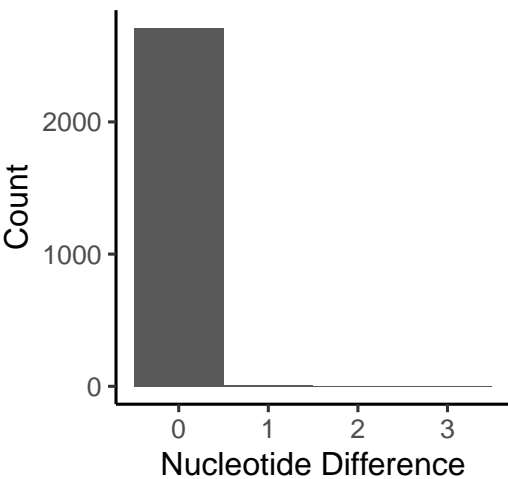
TRBV1*ap01

432 sequences assigned
431 (99.8%) exact matches, in which:
429 unique CDR3
13 unique J



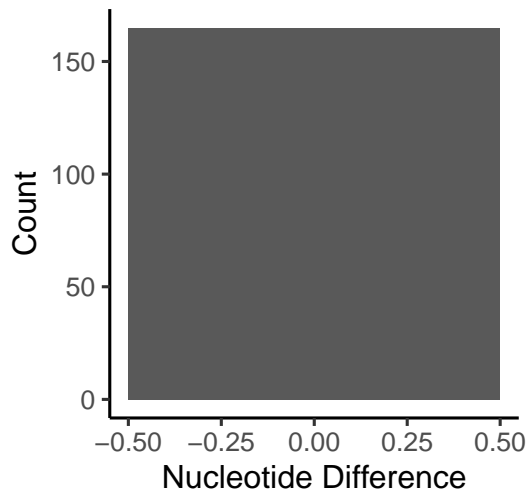
TRBV15*ap02

2721 sequences assigned
2710 (99.6%) exact matches, in which:
2705 unique CDR3
13 unique J



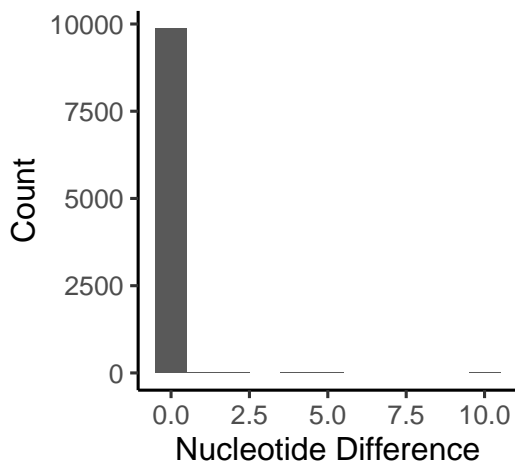
TRBV16*ap01

165 sequences assigned
165 (100%) exact matches, in which:
165 unique CDR3
13 unique J



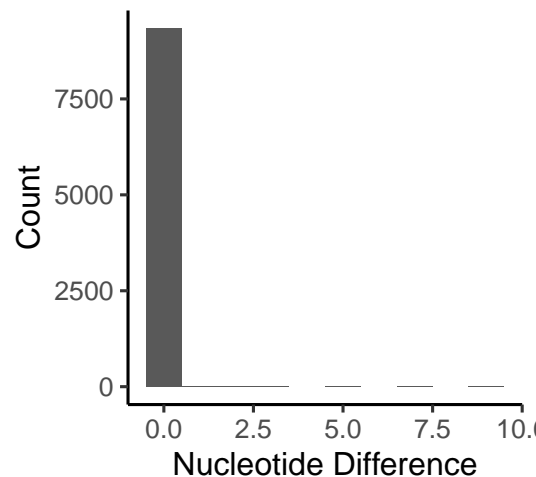
TRBV19*ap01

9907 sequences assigned
9881 (99.7%) exact matches, in which:
9876 unique CDR3
13 unique J



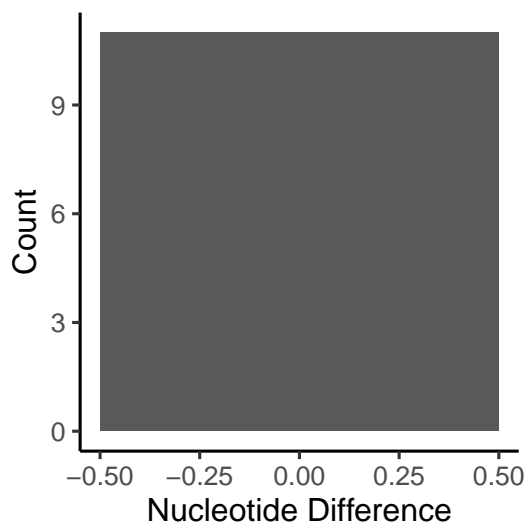
TRBV27*ap01

9367 sequences assigned
9338 (99.7%) exact matches, in which:
9300 unique CDR3
13 unique J



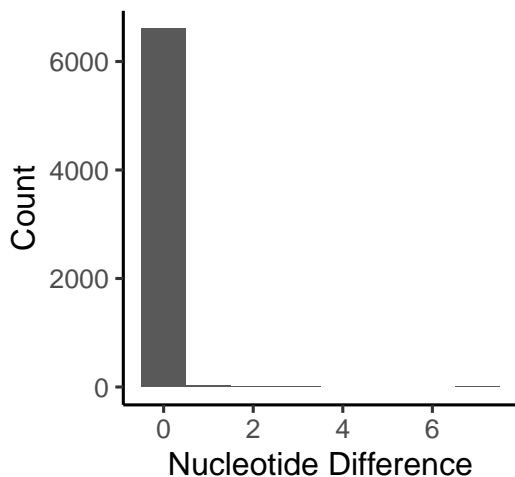
TRBV17*ap01

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



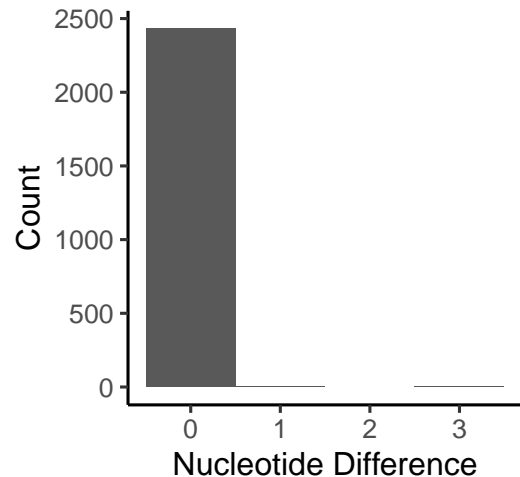
TRBV2*ap01

6631 sequences assigned
6604 (99.6%) exact matches, in which:
6584 unique CDR3
13 unique J



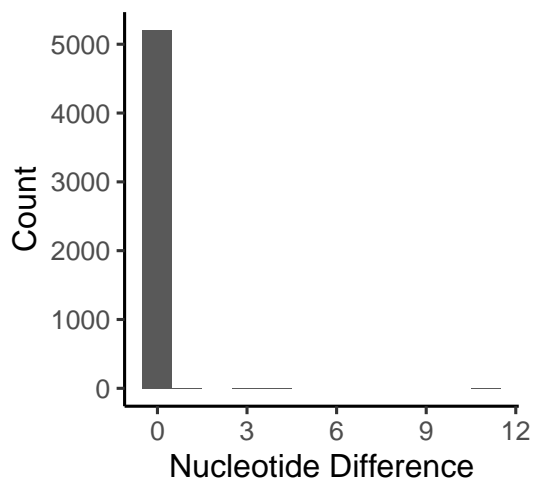
TRBV28*ap01

2438 sequences assigned
2431 (99.7%) exact matches, in which:
2430 unique CDR3
13 unique J



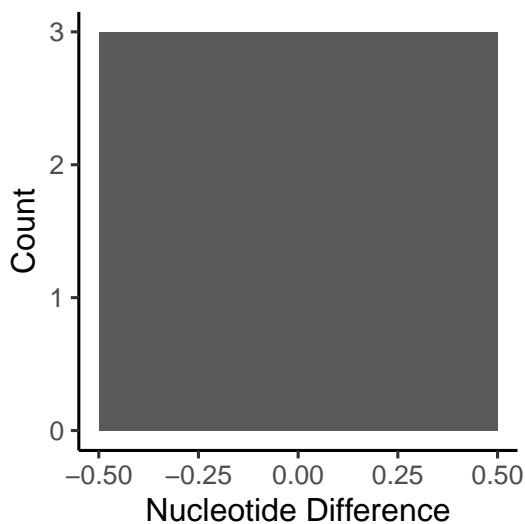
TRBV18*ap01

5212 sequences assigned
5206 (99.9%) exact matches, in which:
5203 unique CDR3
13 unique J



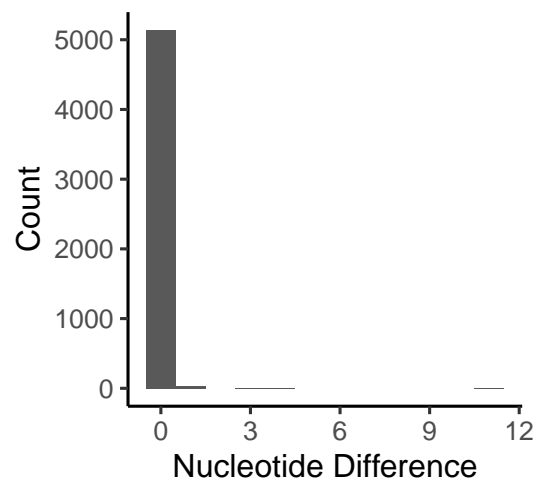
TRBV26*ap01

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



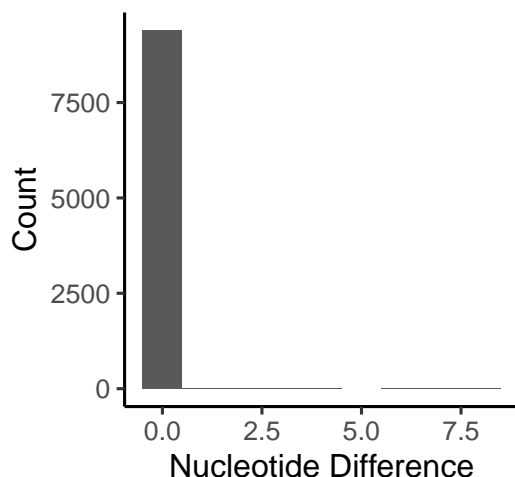
TRBV30*ap02

5174 sequences assigned
5139 (99.3%) exact matches, in which:
5122 unique CDR3
13 unique J



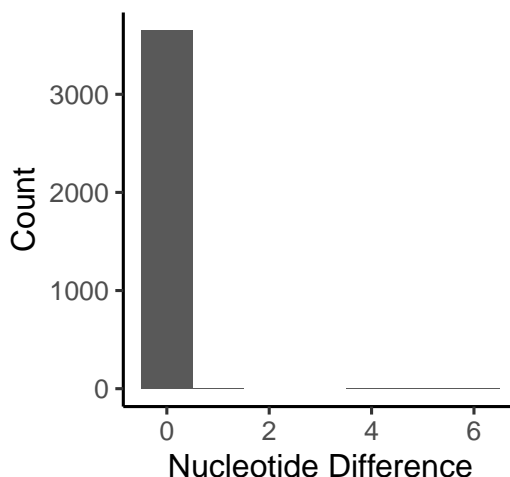
TRBV9*ap01

9410 sequences assigned
9391 (99.8%) exact matches, in which:
9367 unique CDR3
13 unique J



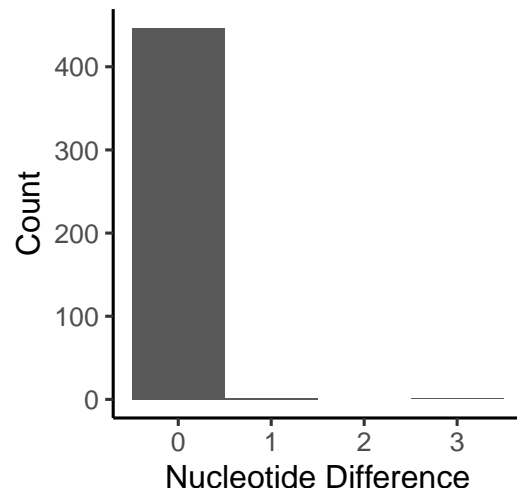
TRBV11-2*ap01

3663 sequences assigned
3651 (99.7%) exact matches, in which:
3650 unique CDR3
13 unique J



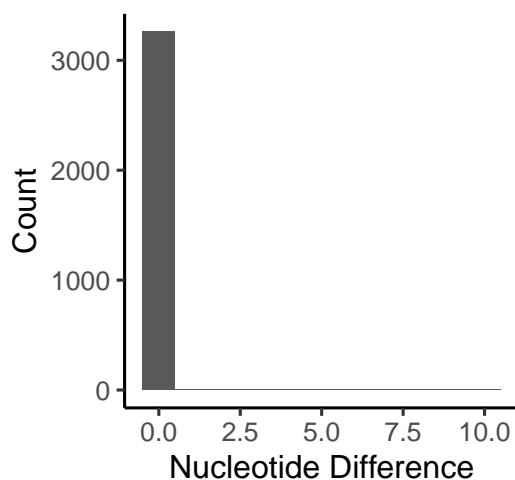
TRBV12-2*ap01

450 sequences assigned
447 (99.3%) exact matches, in which:
447 unique CDR3
13 unique J



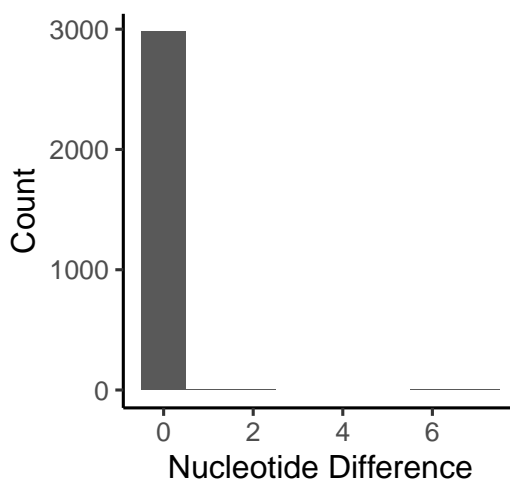
TRBV21-1*ap01

3291 sequences assigned
3260 (99.1%) exact matches, in which:
3258 unique CDR3
13 unique J



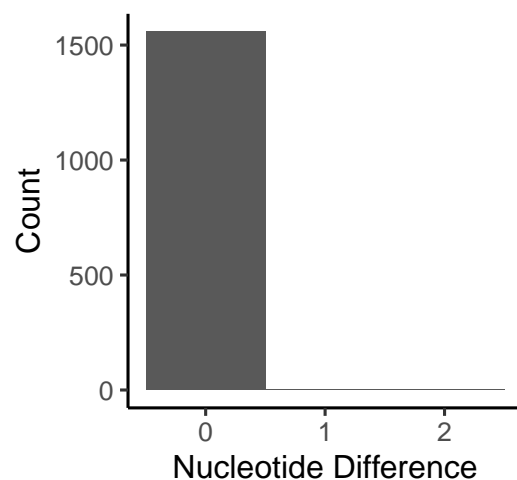
TRBV11-3*ap01

2988 sequences assigned
2979 (99.7%) exact matches, in which:
2978 unique CDR3
13 unique J



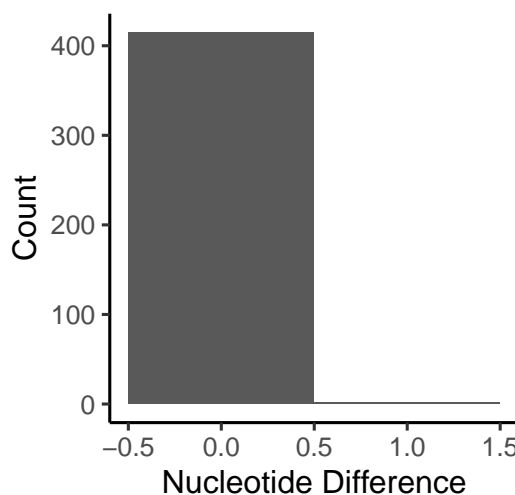
TRBV12-5*ap01

1560 sequences assigned
1558 (99.9%) exact matches, in which:
1557 unique CDR3
13 unique J



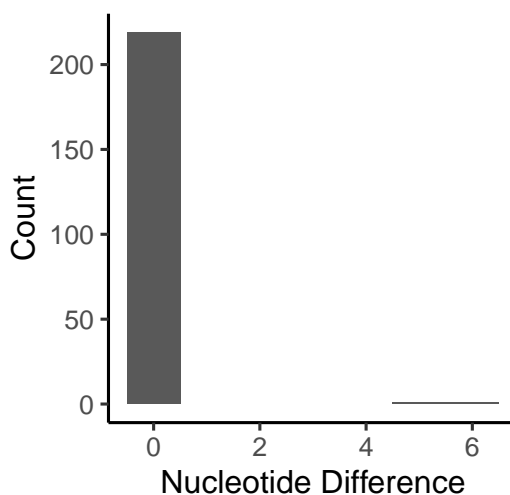
TRBV11-1*ap01

417 sequences assigned
415 (99.5%) exact matches, in which:
415 unique CDR3
13 unique J



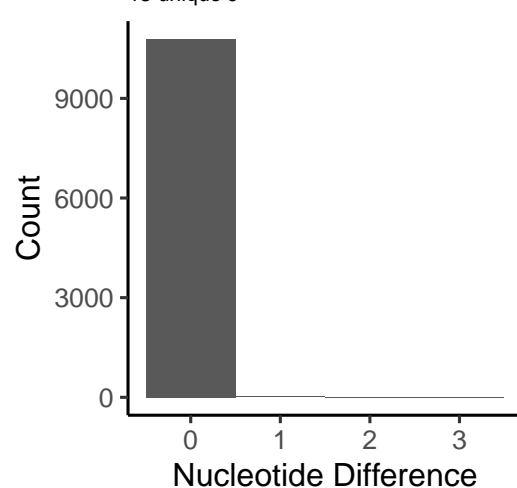
TRBV12-1*ap01

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



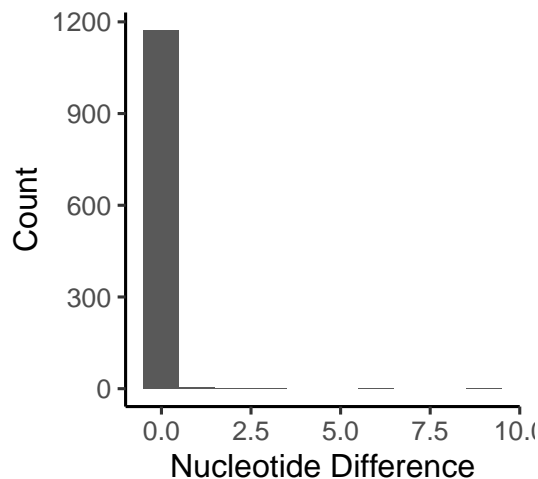
TRBV12-34*ap01

10807 sequences assigned
10786 (99.8%) exact matches, in which:
10776 unique CDR3
13 unique J



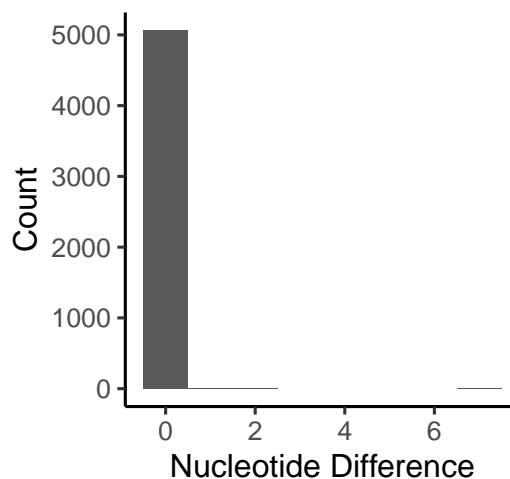
TRBV23-1*ap01

1182 sequences assigned
1172 (99.2%) exact matches, in which:
1171 unique CDR3
13 unique J



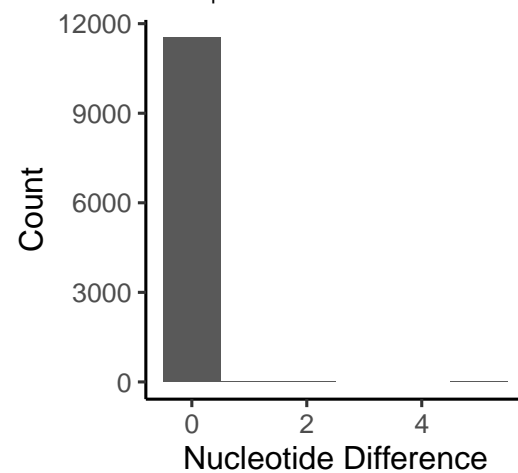
TRBV4-1*ap01

5073 sequences assigned
5063 (99.8%) exact matches, in which:
5051 unique CDR3
13 unique J



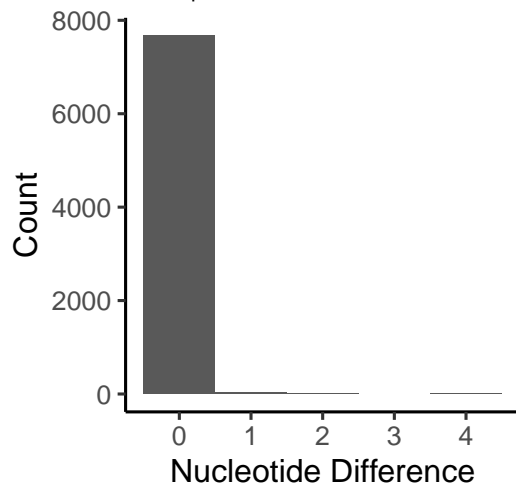
TRBV5-1*ap01

11585 sequences assigned
11548 (99.7%) exact matches, in which:
11515 unique CDR3
13 unique J



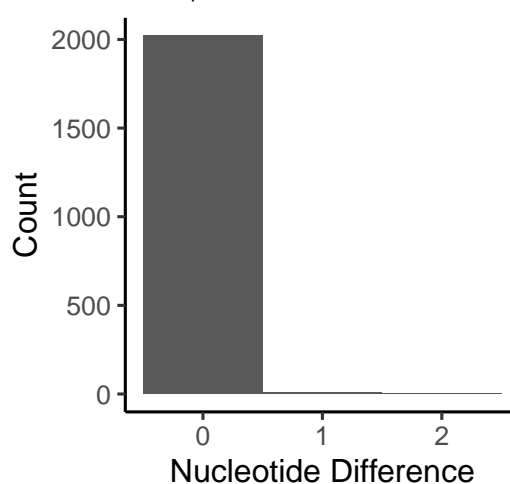
TRBV3-12*ap01

7704 sequences assigned
7670 (99.6%) exact matches, in which:
7643 unique CDR3
13 unique J



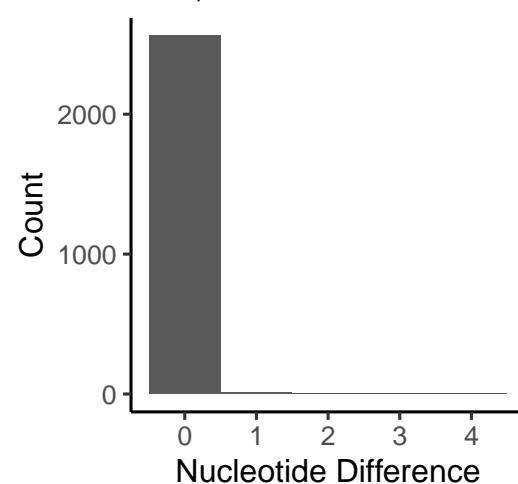
TRBV4-2*ap01

2030 sequences assigned
2021 (99.6%) exact matches, in which:
2019 unique CDR3
13 unique J



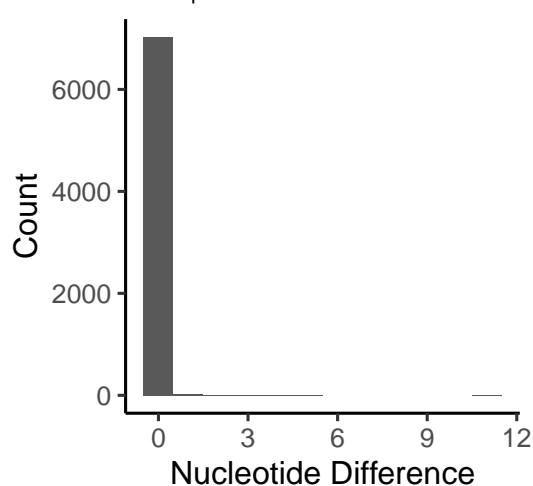
TRBV25-1*ap01

2576 sequences assigned
2561 (99.4%) exact matches, in which:
2555 unique CDR3
13 unique J



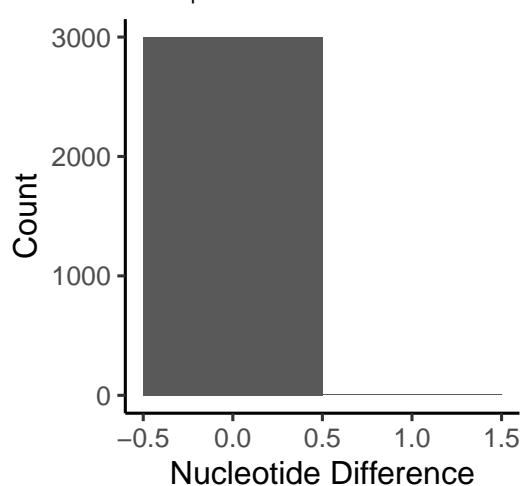
TRBV24-1*ap01

7066 sequences assigned
7027 (99.4%) exact matches, in which:
7010 unique CDR3
13 unique J



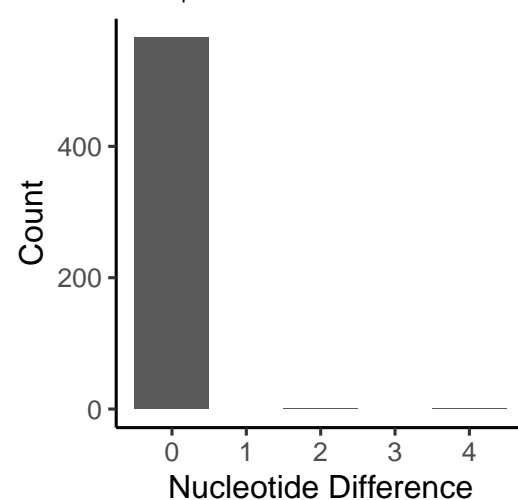
TRBV4-3*ap01

3007 sequences assigned
3000 (99.8%) exact matches, in which:
2995 unique CDR3
13 unique J



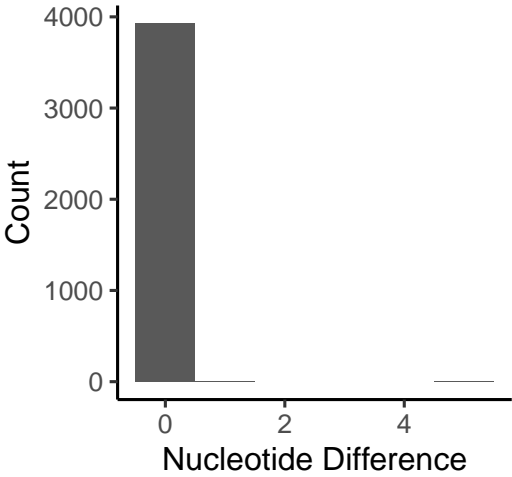
TRBV5-3*ap01

568 sequences assigned
566 (99.6%) exact matches, in which:
566 unique CDR3
13 unique J



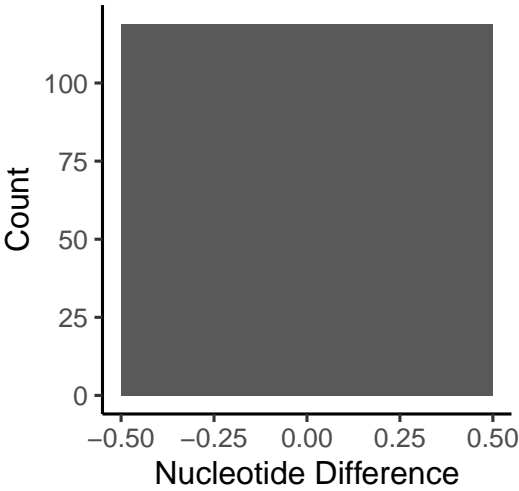
TRBV5-4*ap01

3936 sequences assigned
3928 (99.8%) exact matches, in which:
3920 unique CDR3
13 unique J



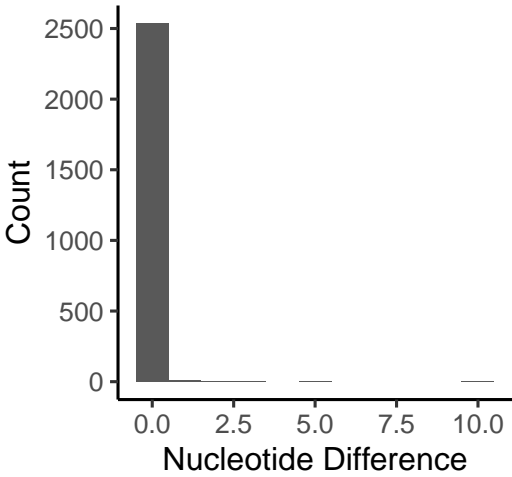
TRBV5-7*ap01

119 sequences assigned
119 (100%) exact matches, in which:
118 unique CDR3
12 unique J



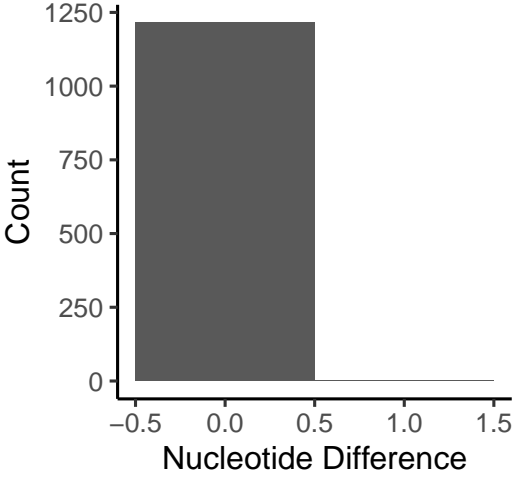
TRBV6-4*ap01

2553 sequences assigned
2536 (99.3%) exact matches, in which:
2534 unique CDR3
13 unique J



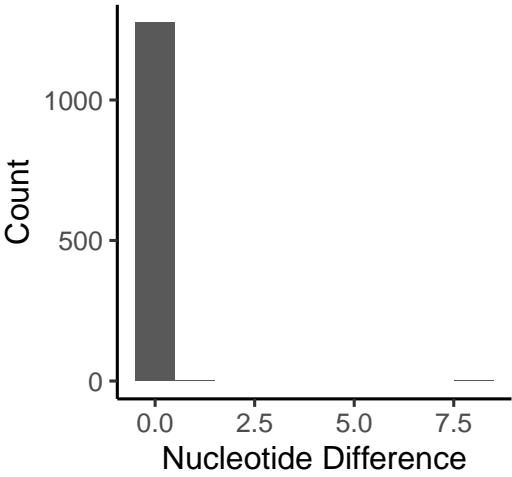
TRBV5-5*ap01

1217 sequences assigned
1215 (99.8%) exact matches, in which:
1215 unique CDR3
13 unique J



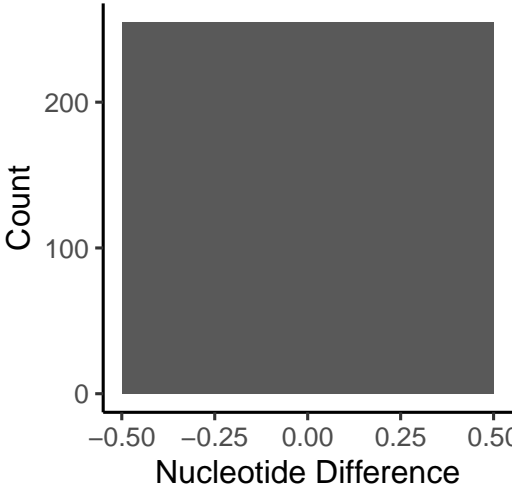
TRBV5-8*ap01

1279 sequences assigned
1275 (99.7%) exact matches, in which:
1275 unique CDR3
13 unique J



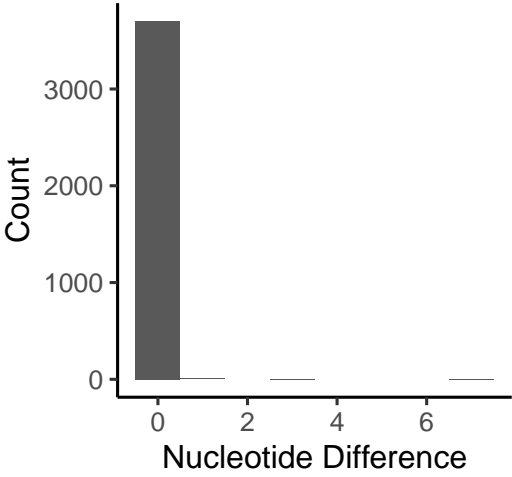
TRBV6-7*ap01

255 sequences assigned
255 (100%) exact matches, in which:
255 unique CDR3
13 unique J



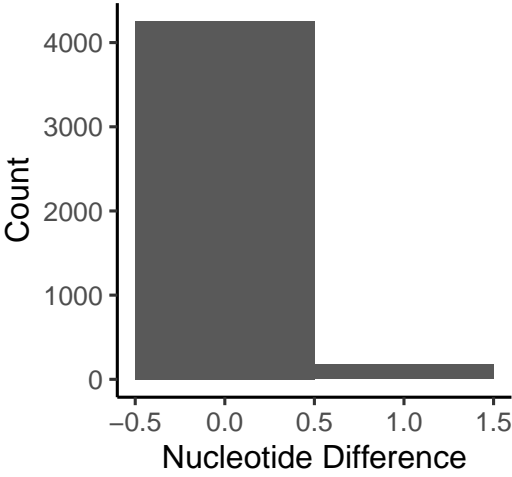
TRBV5-6*ap01

3714 sequences assigned
3702 (99.7%) exact matches, in which:
3694 unique CDR3
13 unique J



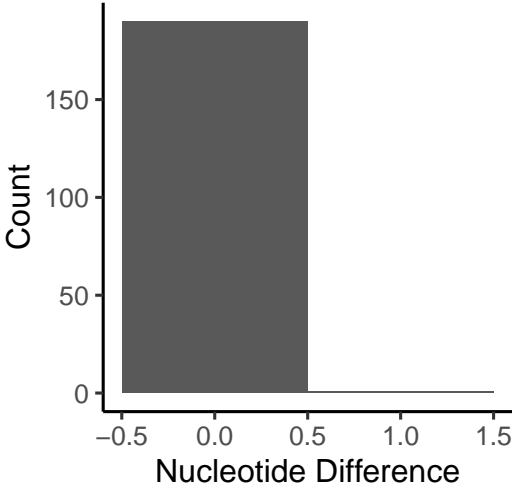
TRBV6-1*ap01

4430 sequences assigned
4256 (96.1%) exact matches, in which:
4240 unique CDR3
13 unique J



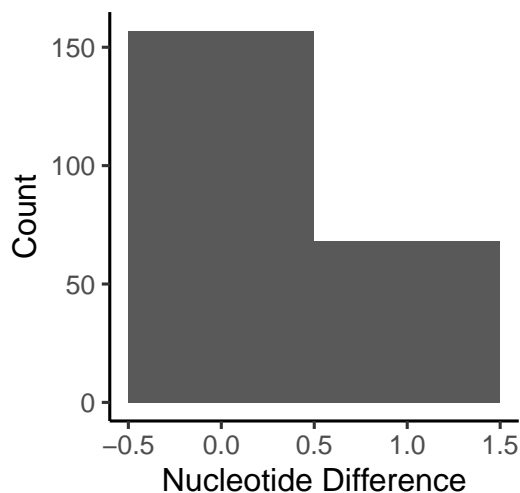
TRBV6-8*ap01

191 sequences assigned
190 (99.5%) exact matches, in which:
190 unique CDR3
13 unique J



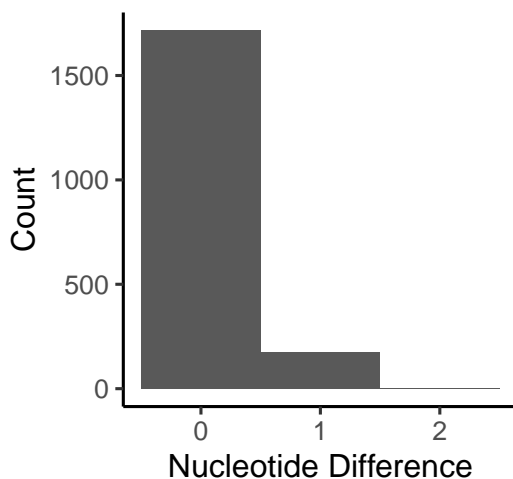
TRBV6-9*ap01

225 sequences assigned
157 (69.8%) exact matches, in which:
157 unique CDR3
13 unique J



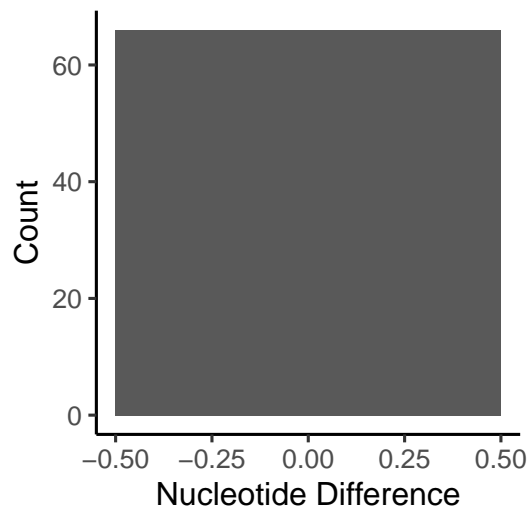
TRBV6-56*ap02

1891 sequences assigned
1716 (90.7%) exact matches, in which:
1711 unique CDR3
13 unique J



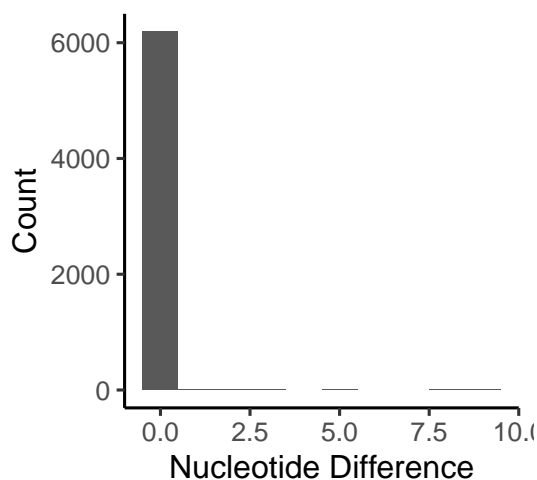
TRBV7-1*ap01_G291C_T

66 sequences assigned
66 (100%) exact matches, in which:
66 unique CDR3
12 unique J



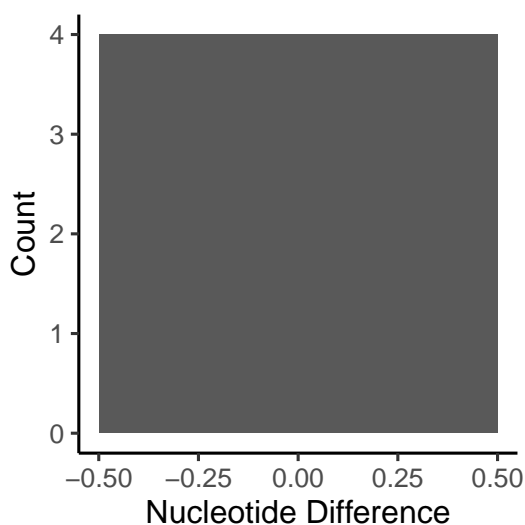
TRBV6-23*ap01

6209 sequences assigned
6190 (99.7%) exact matches, in which:
6171 unique CDR3
13 unique J



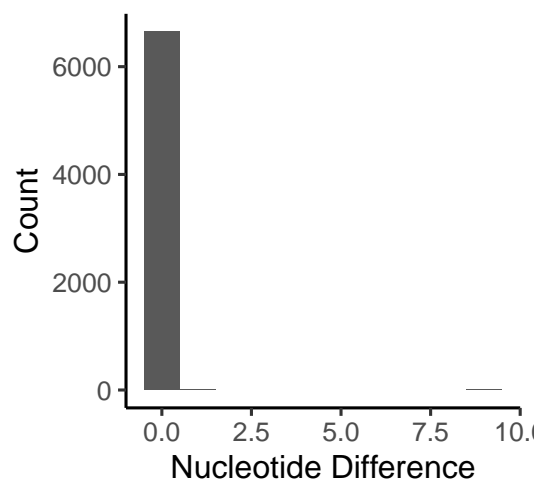
TRBV7-1*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



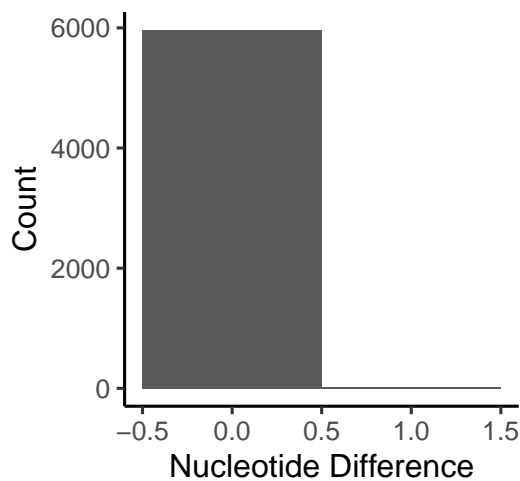
TRBV7-2*ap01

6660 sequences assigned
6648 (99.8%) exact matches, in which:
6645 unique CDR3
13 unique J



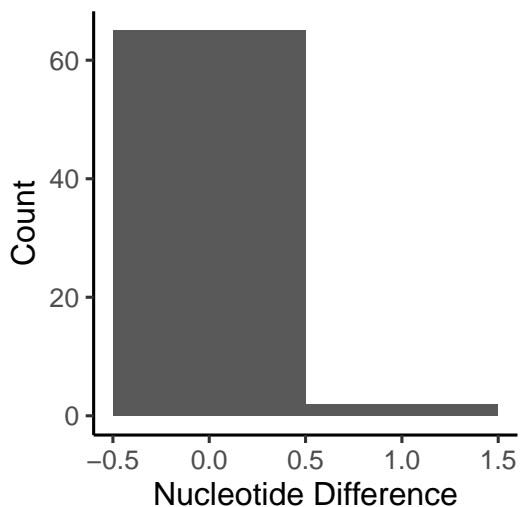
TRBV6-56*ap01

5986 sequences assigned
5964 (99.6%) exact matches, in which:
5946 unique CDR3
13 unique J



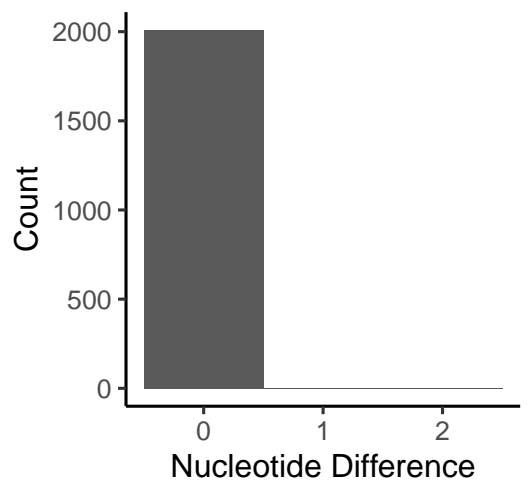
TRBV7-1*ap01_G291C_T

67 sequences assigned
65 (97%) exact matches, in which:
65 unique CDR3
12 unique J



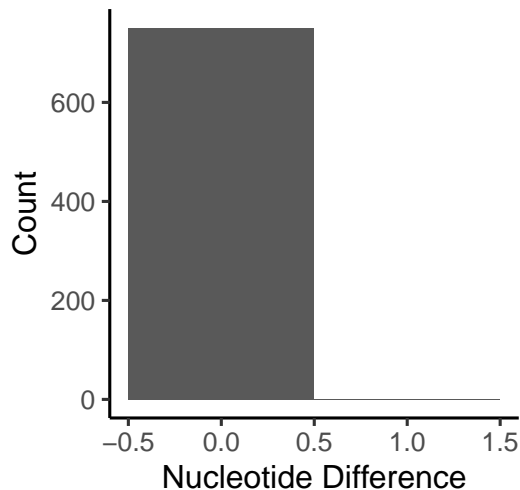
TRBV7-3*ap01

2013 sequences assigned
2009 (99.8%) exact matches, in which:
2003 unique CDR3
13 unique J



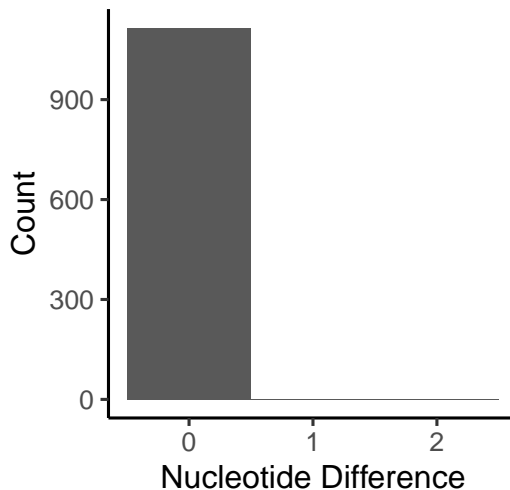
TRBV7-3*ap02

752 sequences assigned
751 (99.9%) exact matches, in which:
751 unique CDR3
12 unique J



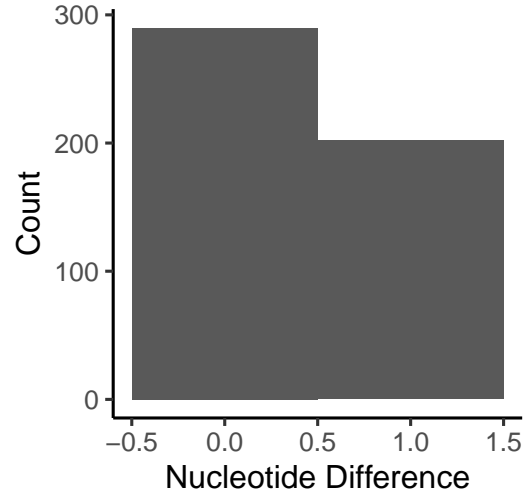
TRBV7-7*ap01_C315T

1119 sequences assigned
1116 (99.7%) exact matches, in which:
1115 unique CDR3
13 unique J



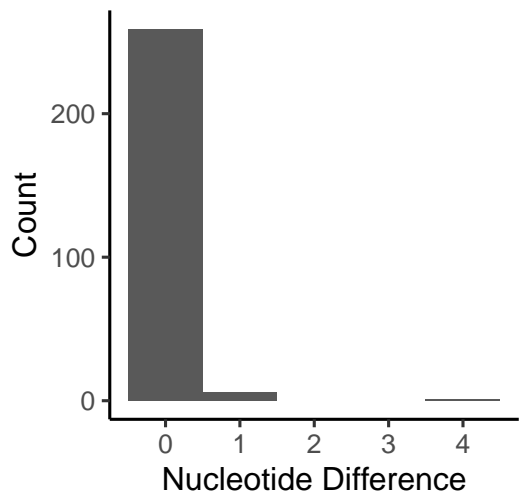
TRBV7-8*ap03

492 sequences assigned
290 (58.9%) exact matches, in which:
290 unique CDR3
13 unique J



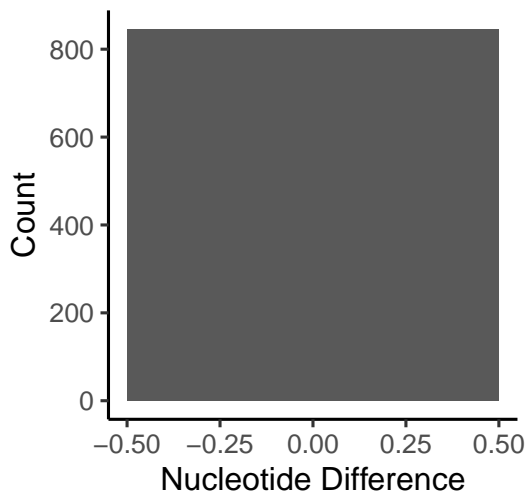
TRBV7-4*ap01

266 sequences assigned
259 (97.4%) exact matches, in which:
259 unique CDR3
13 unique J



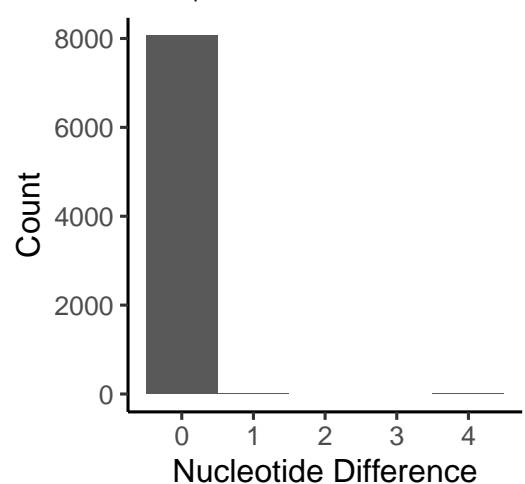
TRBV7-8*ap01

846 sequences assigned
846 (100%) exact matches, in which:
846 unique CDR3
13 unique J



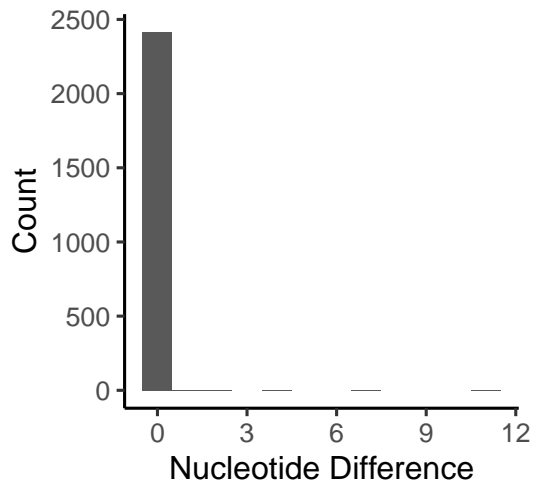
TRBV7-9*ap01

8073 sequences assigned
8062 (99.9%) exact matches, in which:
8056 unique CDR3
13 unique J



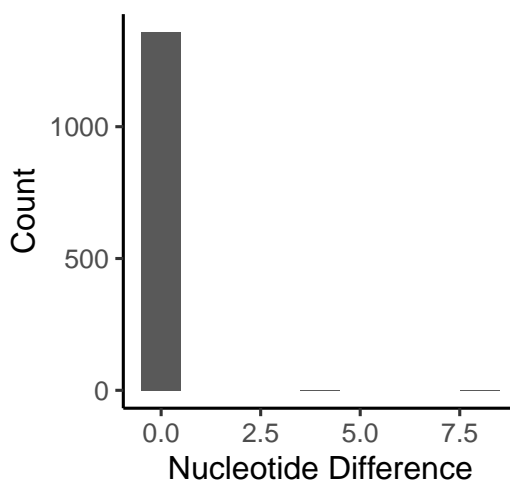
TRBV7-6*ap01

2423 sequences assigned
2415 (99.7%) exact matches, in which:
2412 unique CDR3
13 unique J



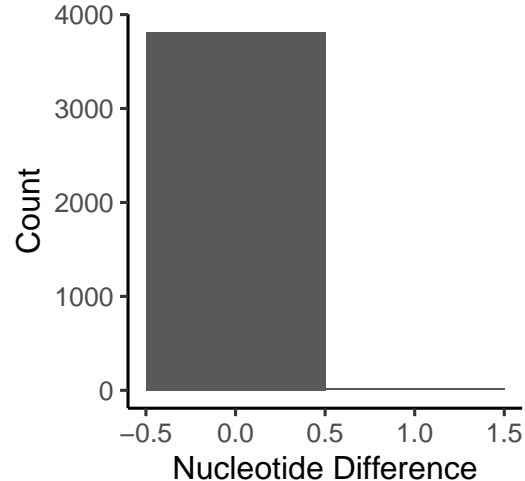
TRBV7-8*ap02

1361 sequences assigned
1359 (99.9%) exact matches, in which:
1359 unique CDR3
12 unique J



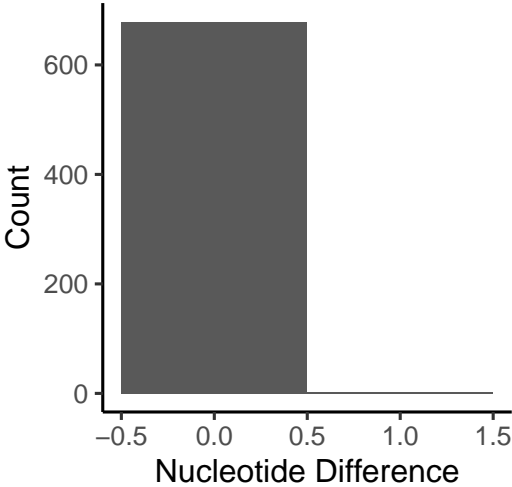
TRBV29-1*ap01

3832 sequences assigned
3814 (99.5%) exact matches, in which:
3807 unique CDR3
13 unique J

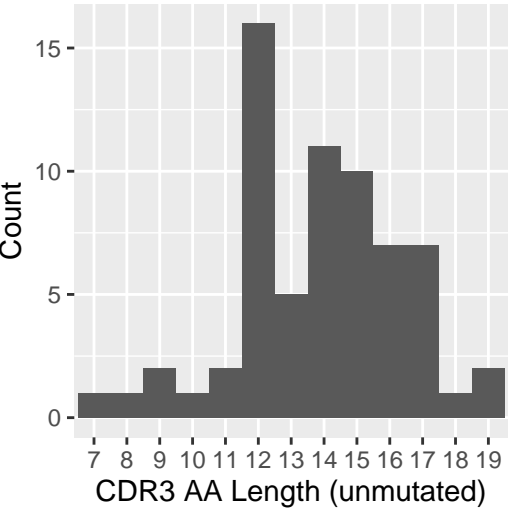


TRBV29-1*ap02

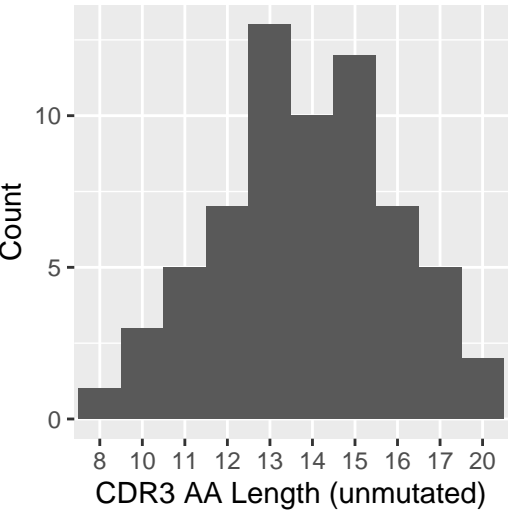
682 sequences assigned
679 (99.6%) exact matches, in which:
679 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

