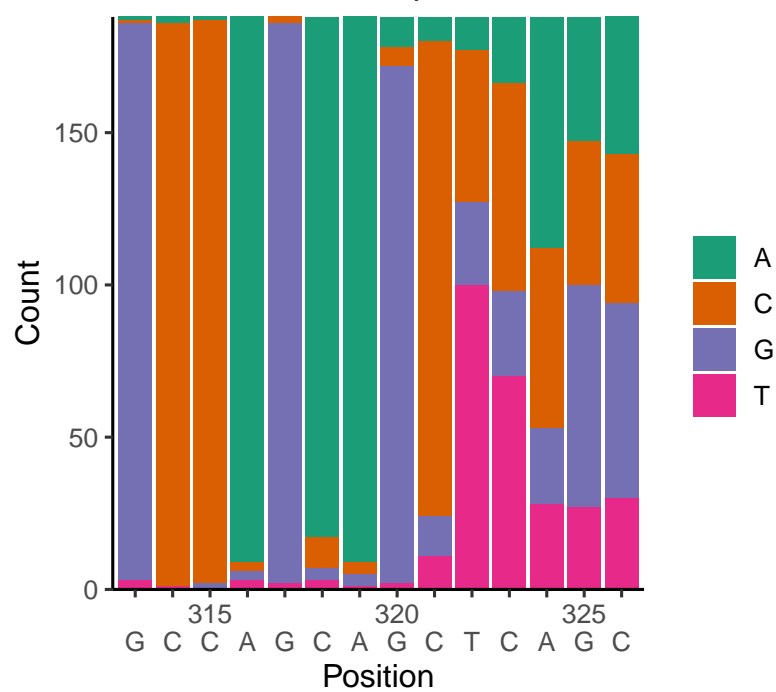
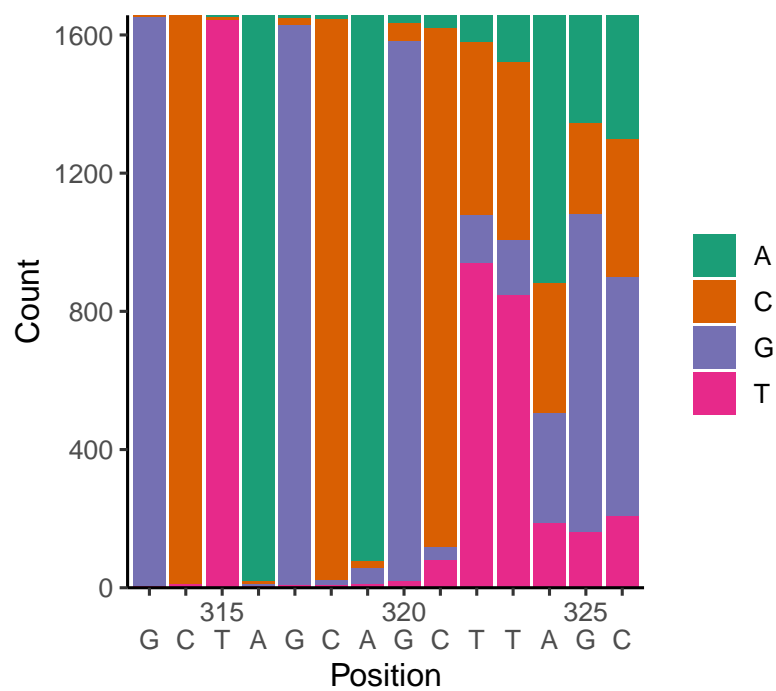


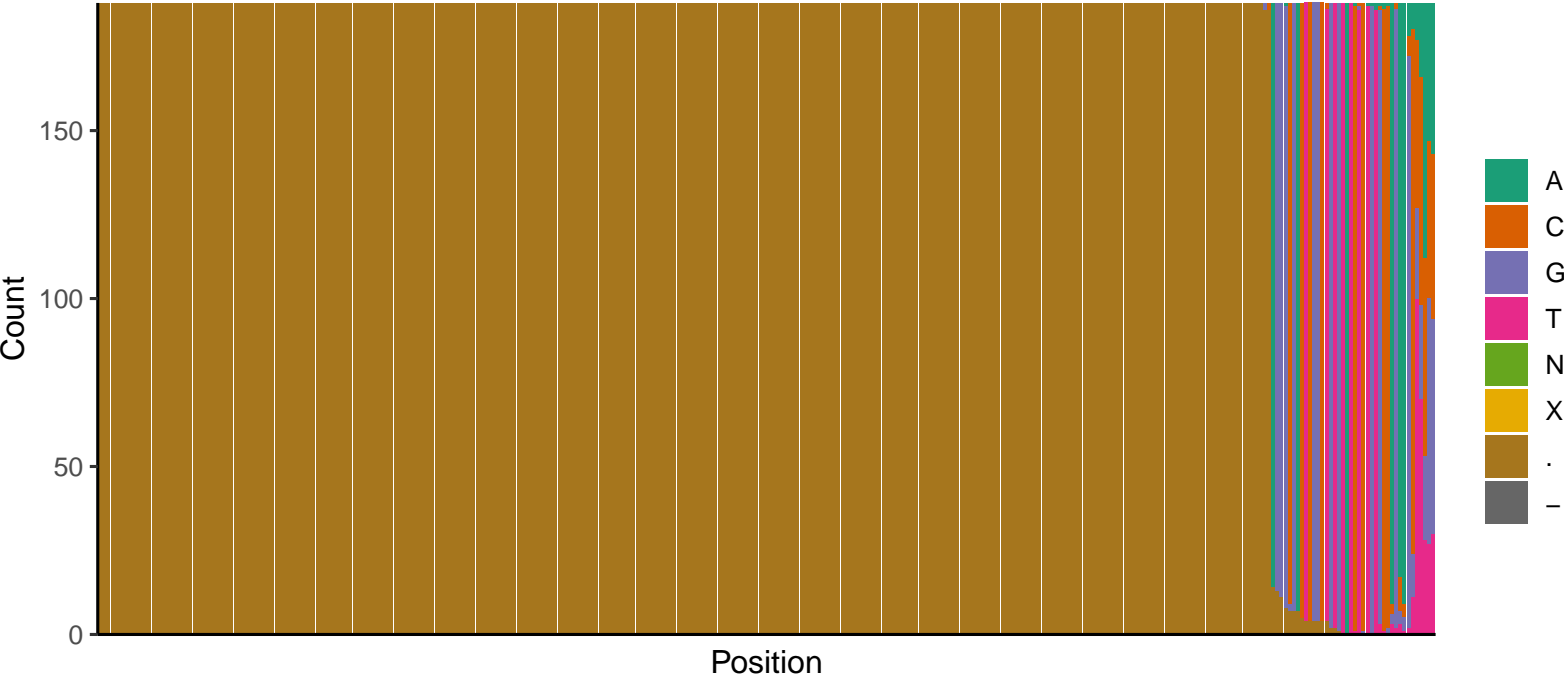
Gene TRBV7-1*ap01_G291C_T296C



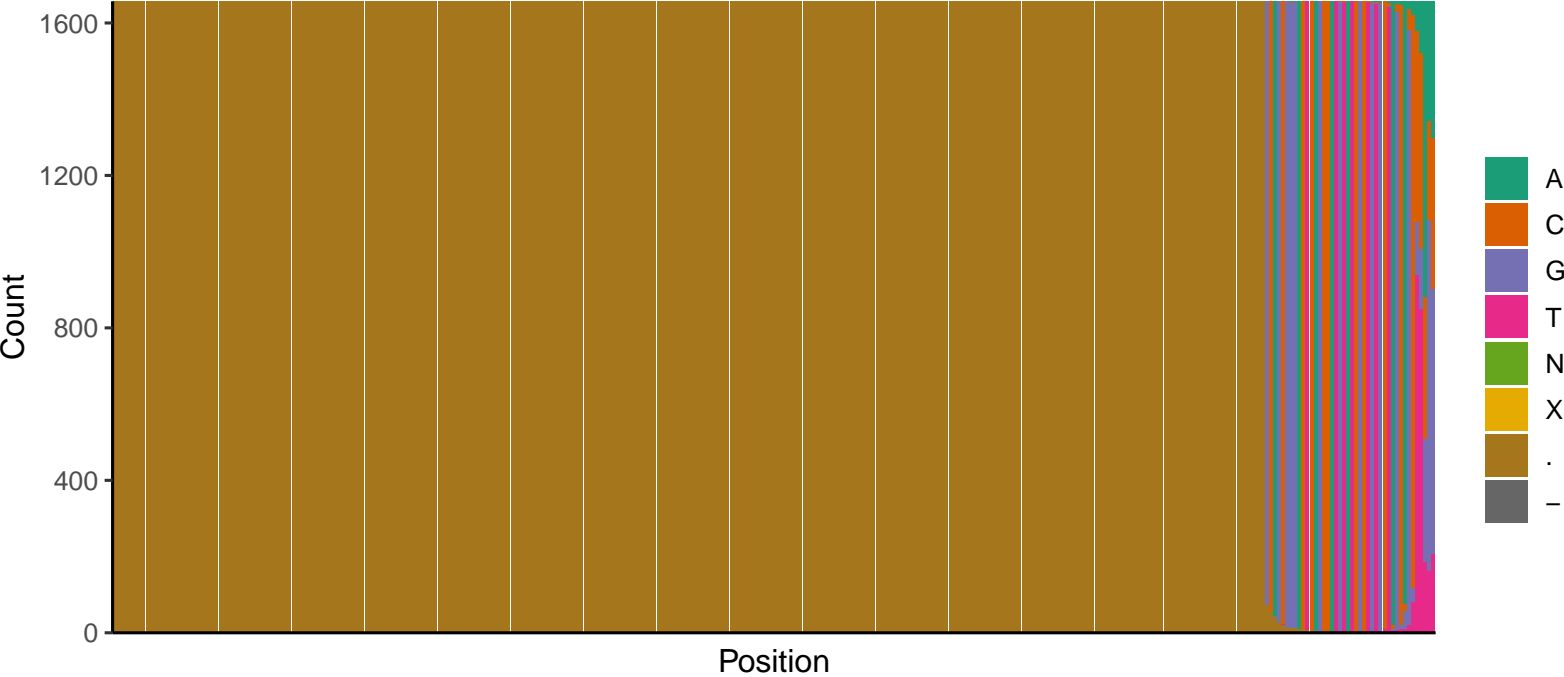
Gene TRBV7-7*ap01_C315T



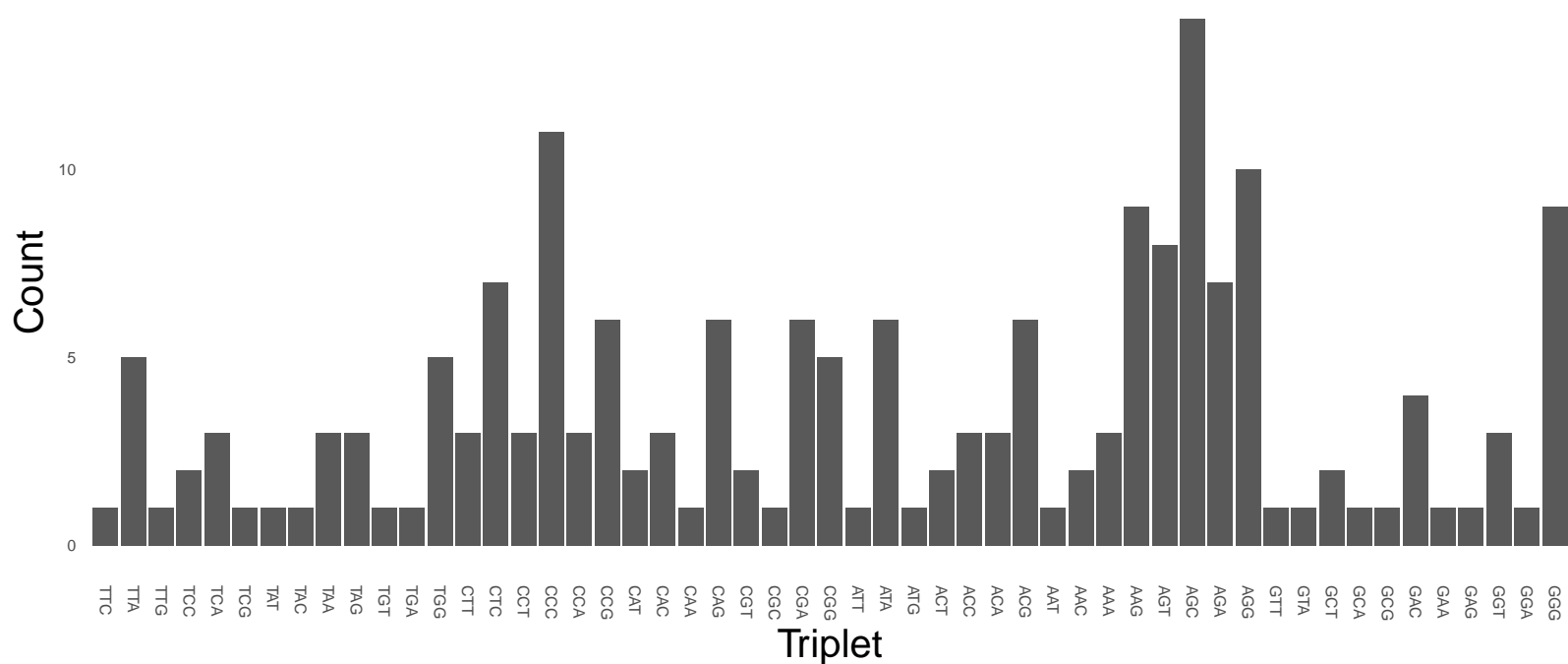
Gene TRBV7-1*ap01_G291C_T296C



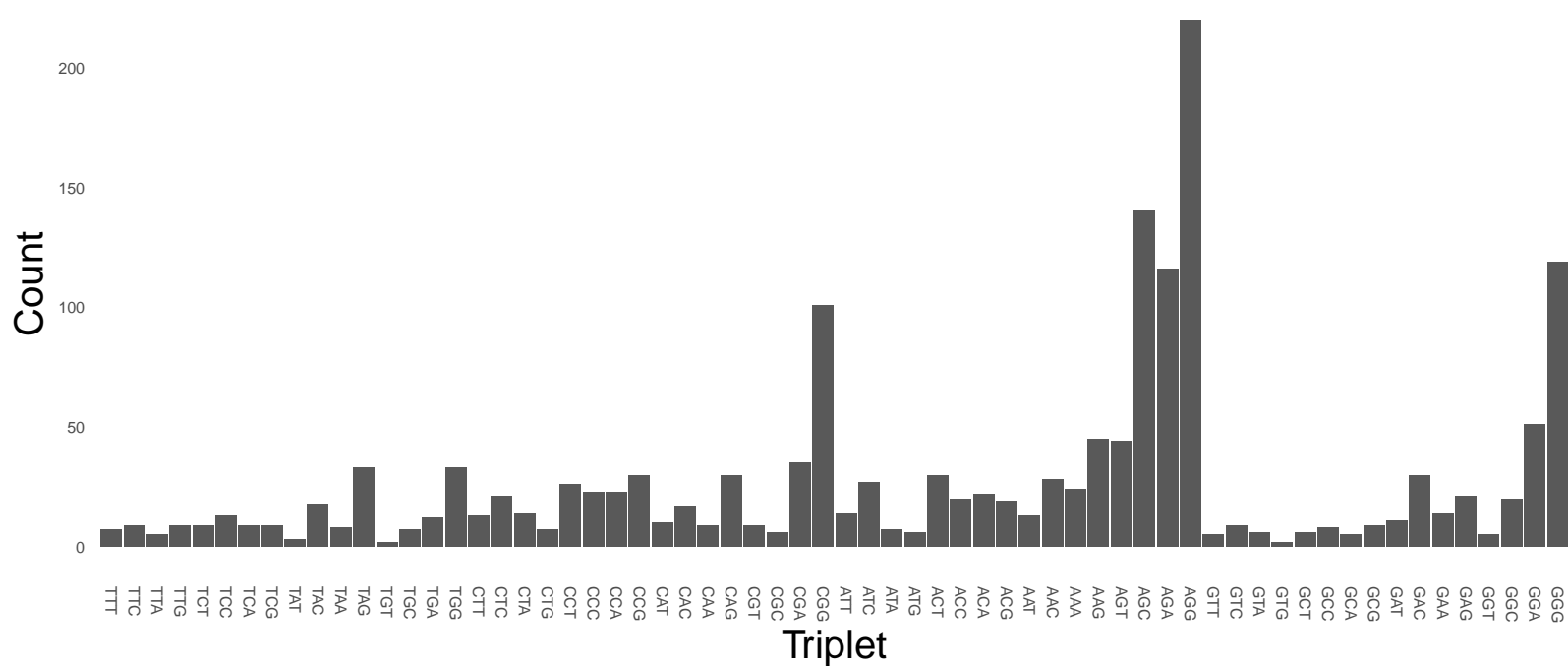
Gene TRBV7-7*ap01_C315T



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

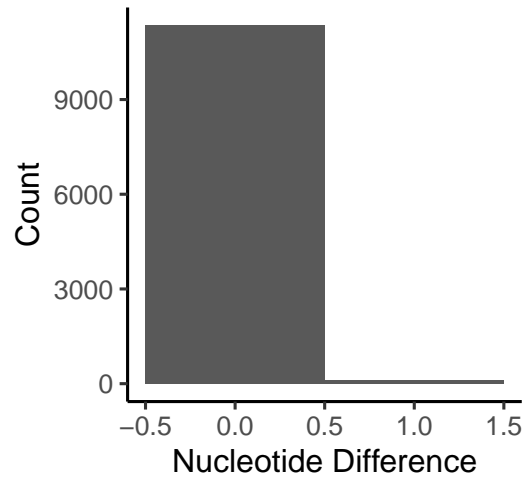


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



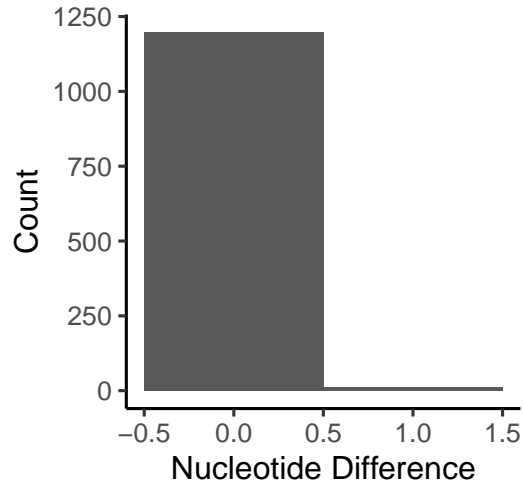
TRBV20-1*ap01

11463 sequences assigned
11348 (99%) exact matches, in which:
11219 unique CDR3
13 unique J



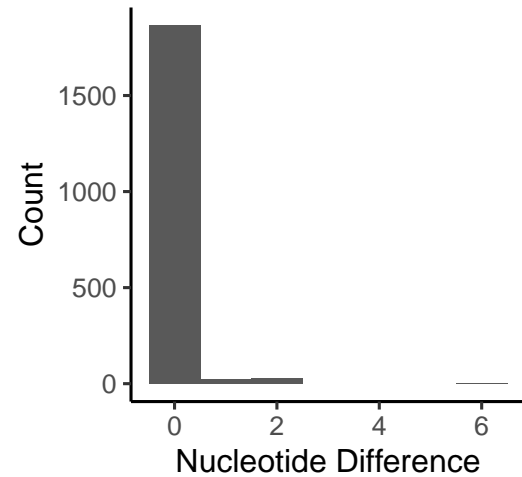
TRBV10-2*ap01

1209 sequences assigned
1197 (99%) exact matches, in which:
1176 unique CDR3
13 unique J



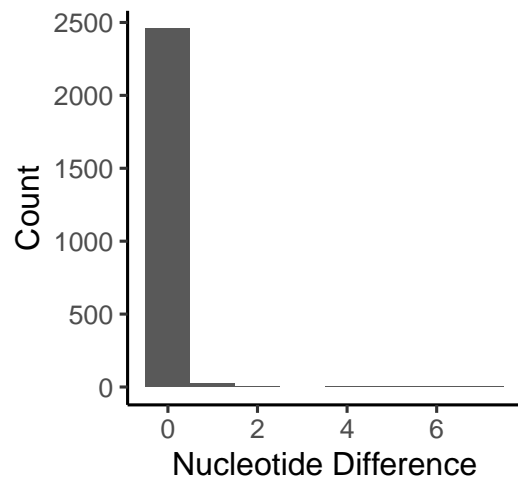
TRBV13*ap01

1918 sequences assigned
1865 (97.2%) exact matches, in which:
1822 unique CDR3
13 unique J



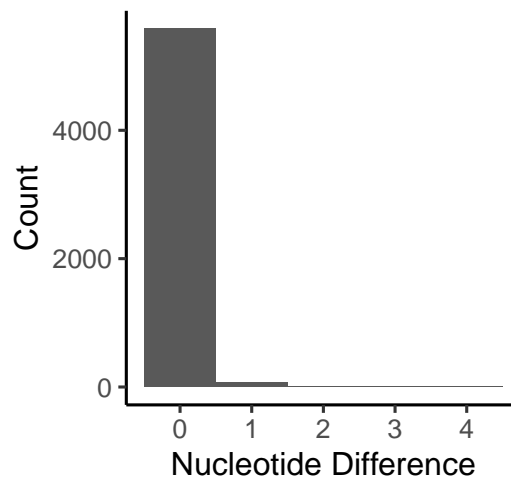
TRBV10-1*ap01

2487 sequences assigned
2457 (98.8%) exact matches, in which:
2413 unique CDR3
13 unique J



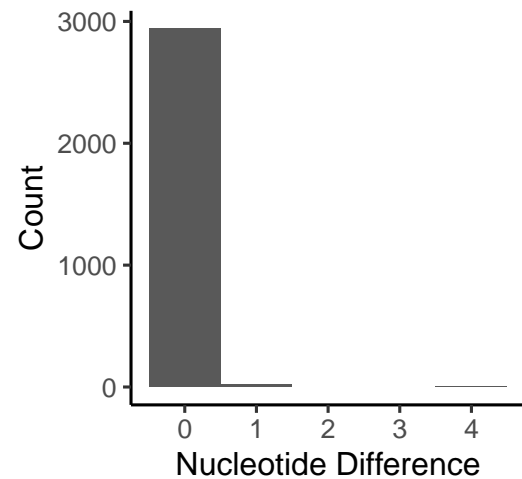
TRBV10-3*ap01

5656 sequences assigned
5583 (98.7%) exact matches, in which:
5499 unique CDR3
13 unique J



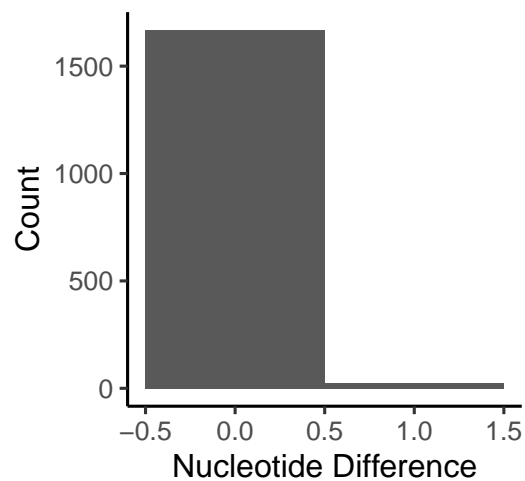
TRBV14*ap01

2963 sequences assigned
2940 (99.2%) exact matches, in which:
2901 unique CDR3
13 unique J



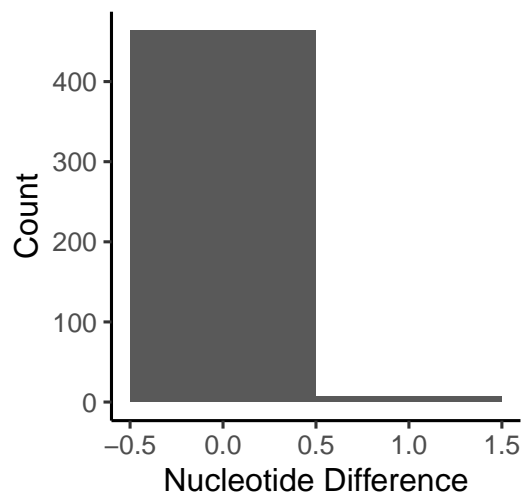
TRBV20-1*ap02

1692 sequences assigned
1668 (98.6%) exact matches, in which:
1645 unique CDR3
13 unique J



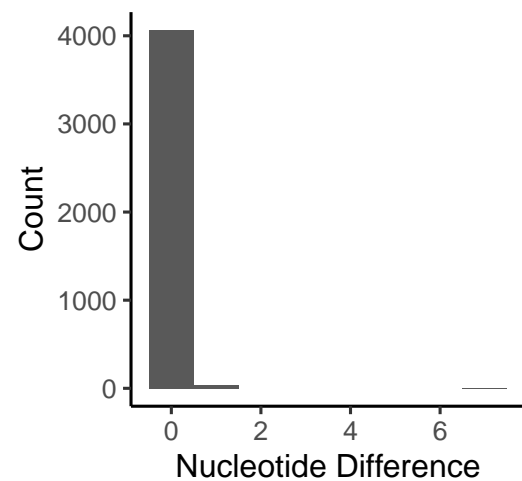
TRBV1*ap01

471 sequences assigned
464 (98.5%) exact matches, in which:
455 unique CDR3
13 unique J



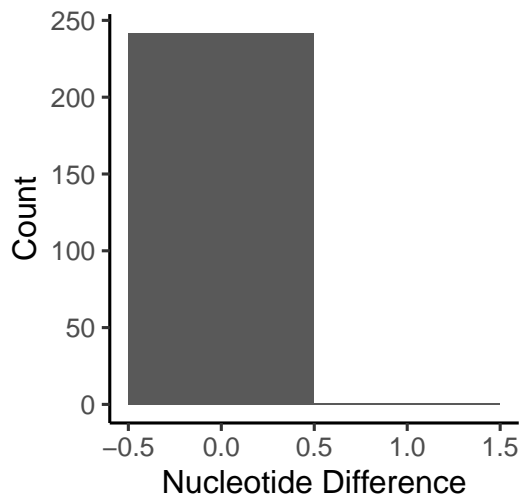
TRBV15*ap02

4106 sequences assigned
4065 (99%) exact matches, in which:
4004 unique CDR3
13 unique J



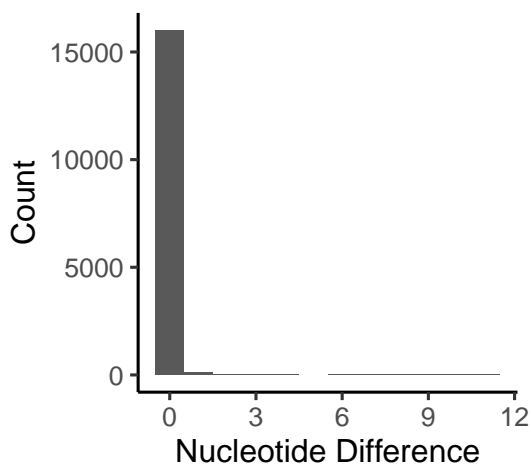
TRBV16*ap01

243 sequences assigned
242 (99.6%) exact matches, in which:
241 unique CDR3
13 unique J



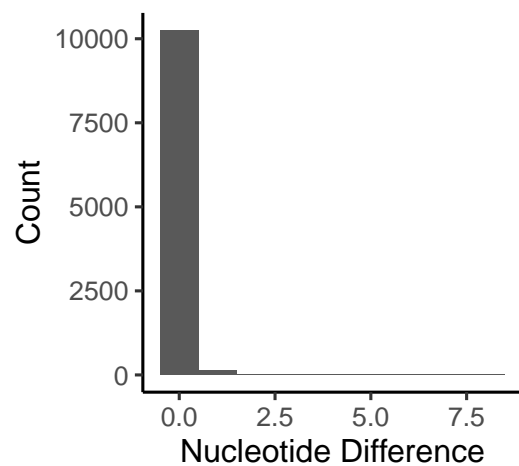
TRBV19*ap01

16178 sequences assigned
16013 (99%) exact matches, in which:
15895 unique CDR3
13 unique J



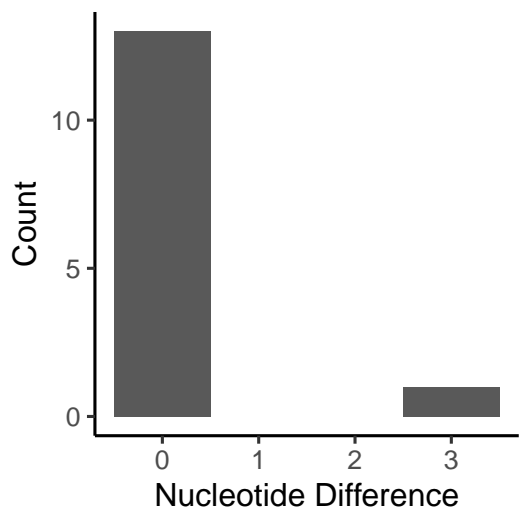
TRBV27*ap01

10401 sequences assigned
10256 (98.6%) exact matches, in which:
10075 unique CDR3
13 unique J



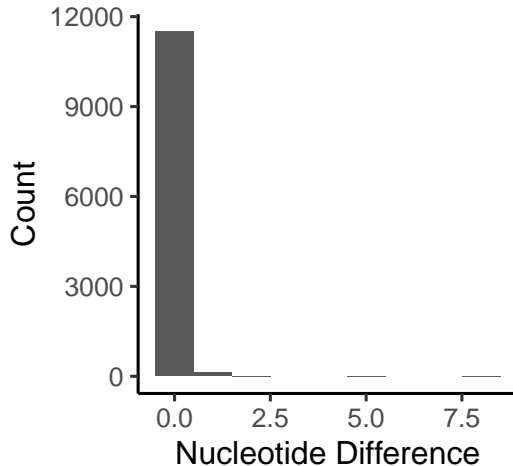
TRBV17*ap01

14 sequences assigned
13 (92.9%) exact matches, in which:
12 unique CDR3
7 unique J



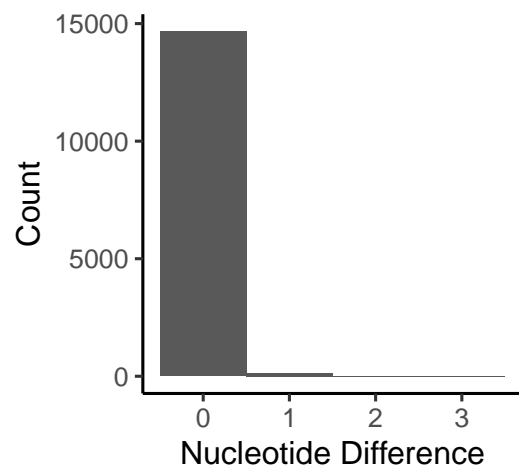
TRBV2*ap01

11638 sequences assigned
11505 (98.9%) exact matches, in which:
11336 unique CDR3
13 unique J



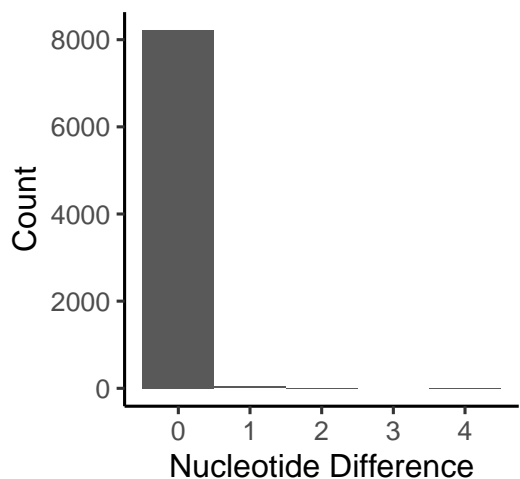
TRBV28*ap01

14799 sequences assigned
14666 (99.1%) exact matches, in which:
14442 unique CDR3
13 unique J



TRBV18*ap01

8264 sequences assigned
8221 (99.5%) exact matches, in which:
8160 unique CDR3
13 unique J



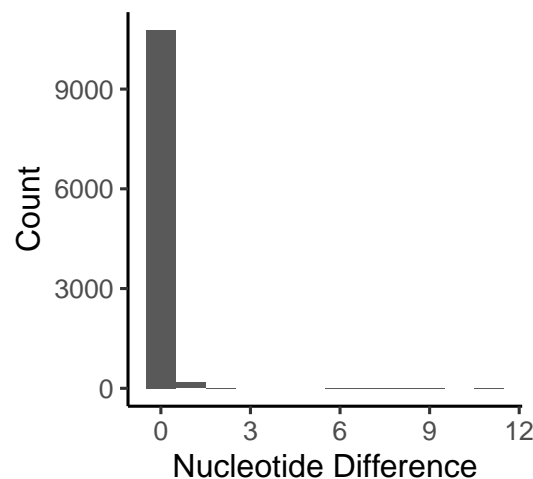
TRBV26*ap01

1 sequences assigned
No exact matches.



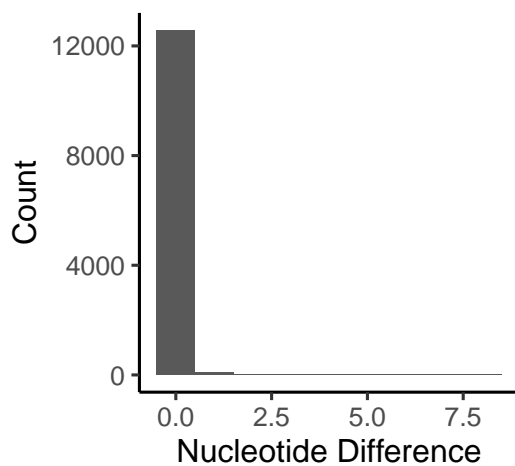
TRBV30*ap01

10968 sequences assigned
10776 (98.2%) exact matches, in which:
10655 unique CDR3
13 unique J



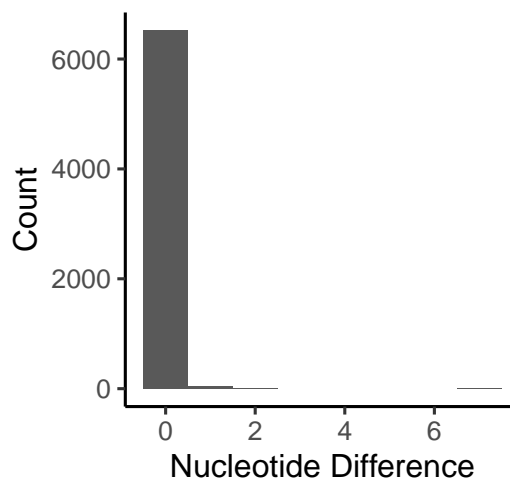
TRBV9*ap01

12687 sequences assigned
12575 (99.1%) exact matches, in which:
12409 unique CDR3
13 unique J



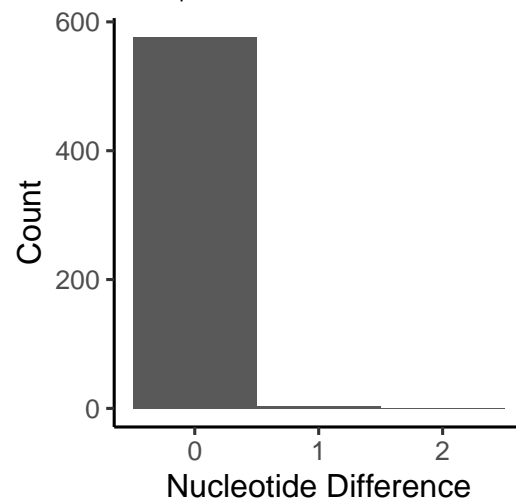
TRBV11-2*ap01

6567 sequences assigned
6521 (99.3%) exact matches, in which:
6434 unique CDR3
13 unique J



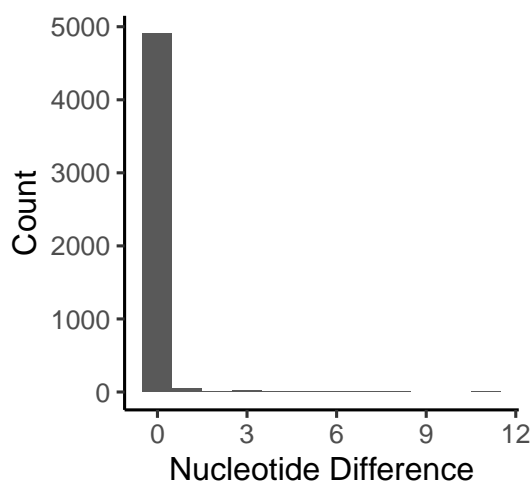
TRBV12-2*ap01

582 sequences assigned
577 (99.1%) exact matches, in which:
570 unique CDR3
13 unique J



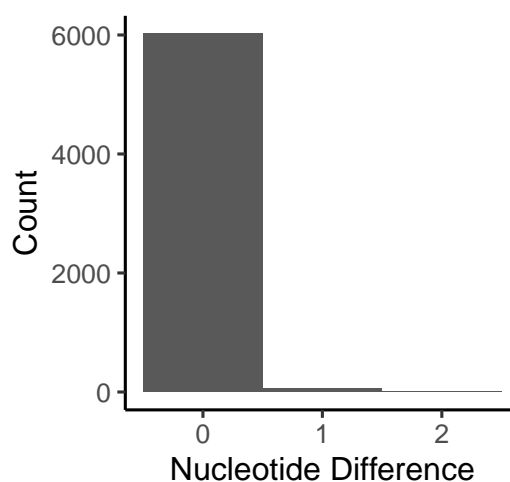
TRBV21-1*ap01

5007 sequences assigned
4904 (97.9%) exact matches, in which:
4864 unique CDR3
13 unique J



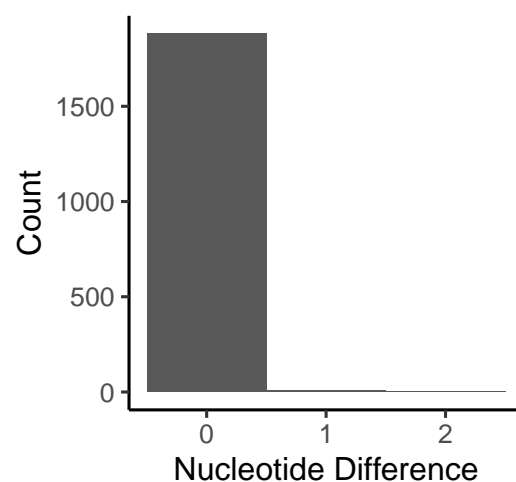
TRBV11-3*ap01

6083 sequences assigned
6021 (99%) exact matches, in which:
5927 unique CDR3
13 unique J



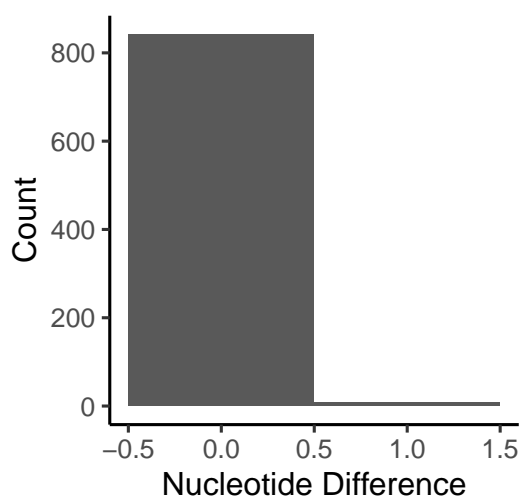
TRBV12-5*ap01

1895 sequences assigned
1881 (99.3%) exact matches, in which:
1859 unique CDR3
13 unique J



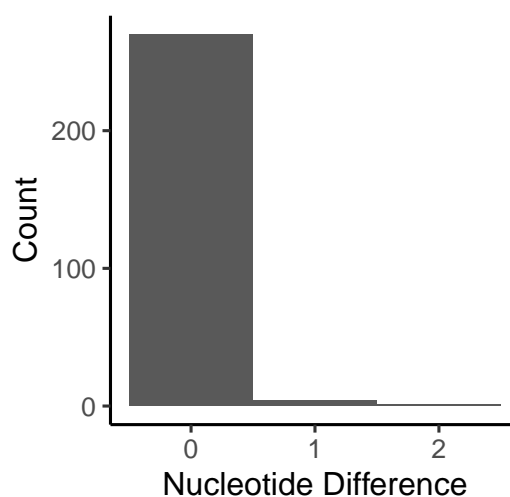
TRBV11-1*ap01

851 sequences assigned
842 (98.9%) exact matches, in which:
830 unique CDR3
13 unique J



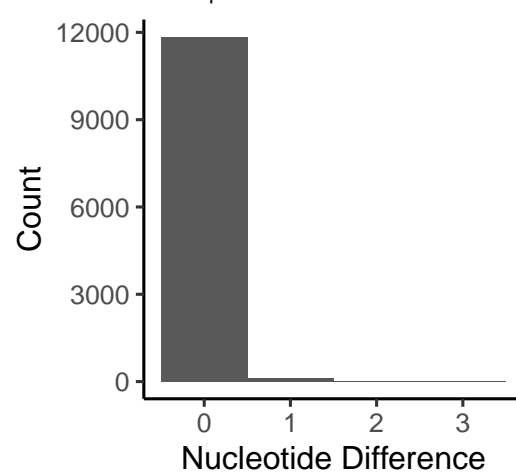
TRBV12-1*ap01

275 sequences assigned
270 (98.2%) exact matches, in which:
269 unique CDR3
13 unique J



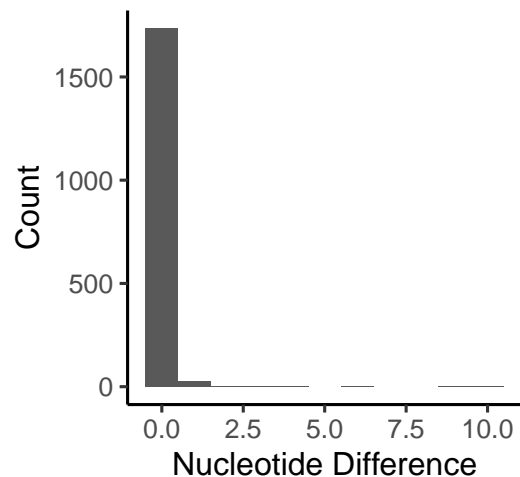
TRBV12-34*ap01

11982 sequences assigned
11848 (98.9%) exact matches, in which:
11704 unique CDR3
13 unique J



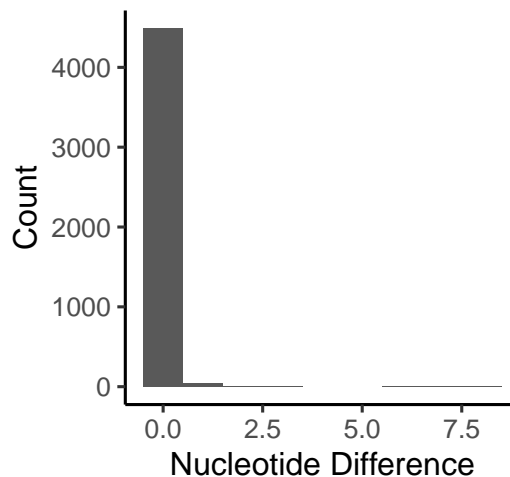
TRBV23-1*ap01

1766 sequences assigned
1735 (98.2%) exact matches, in which:
1710 unique CDR3
13 unique J



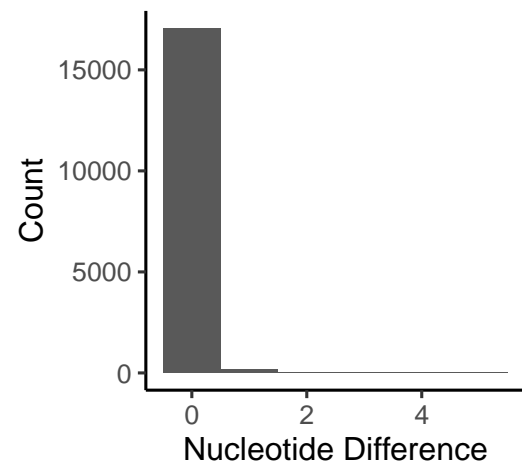
TRBV4-1*ap01

4537 sequences assigned
4488 (98.9%) exact matches, in which:
4404 unique CDR3
13 unique J



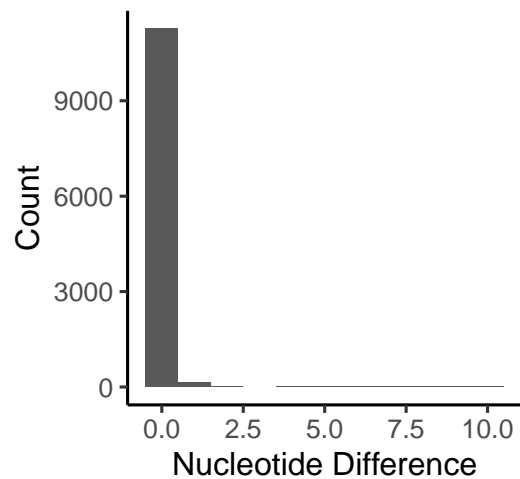
TRBV5-1*ap01

17266 sequences assigned
17065 (98.8%) exact matches, in which:
16739 unique CDR3
14 unique J



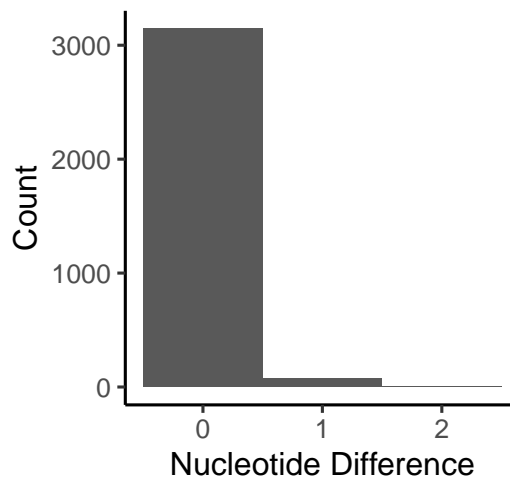
TRBV3-12*ap01

11414 sequences assigned
11266 (98.7%) exact matches, in which:
11079 unique CDR3
13 unique J



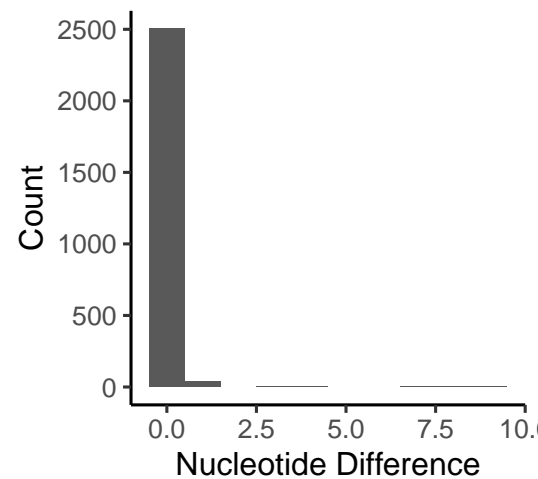
TRBV4-2*ap01

3222 sequences assigned
3145 (97.6%) exact matches, in which:
3089 unique CDR3
13 unique J



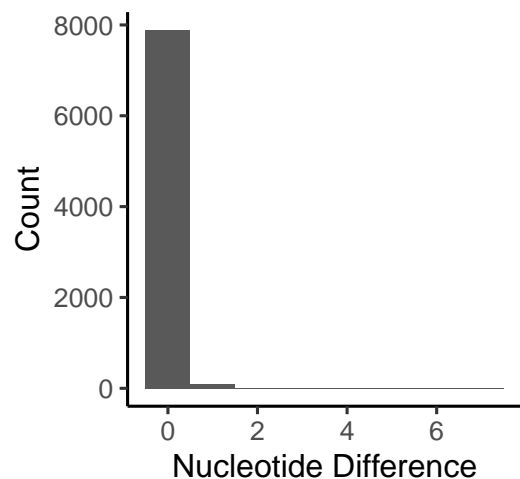
TRBV25-1*ap01

2548 sequences assigned
2504 (98.3%) exact matches, in which:
2461 unique CDR3
13 unique J



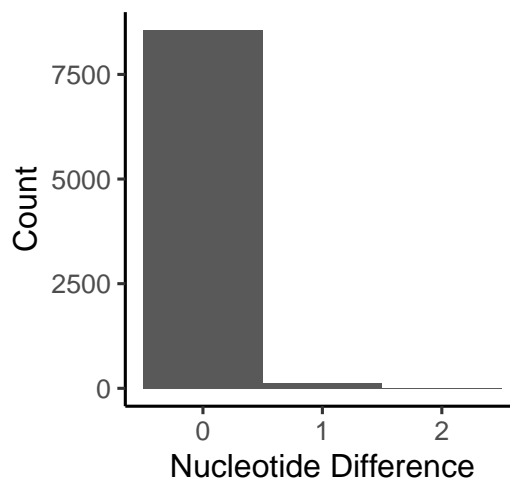
TRBV24-1*ap01

7998 sequences assigned
7887 (98.6%) exact matches, in which:
7779 unique CDR3
13 unique J



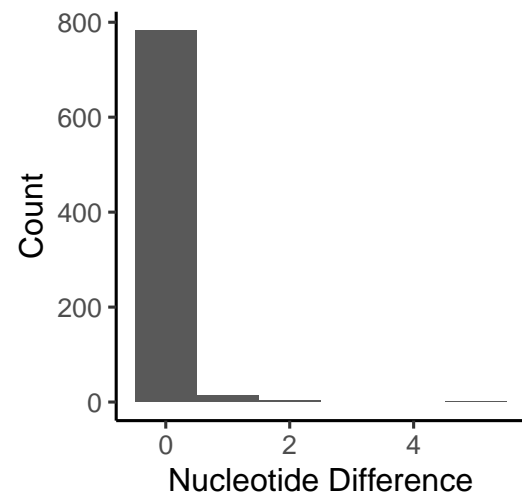
TRBV4-3*ap01

8684 sequences assigned
8560 (98.6%) exact matches, in which:
8410 unique CDR3
13 unique J



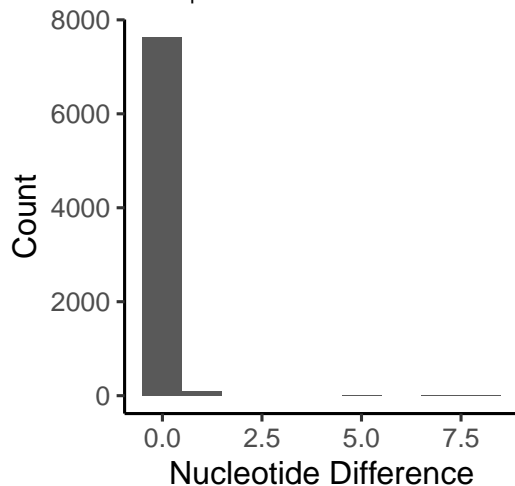
TRBV5-3*ap01

802 sequences assigned
783 (97.6%) exact matches, in which:
773 unique CDR3
13 unique J



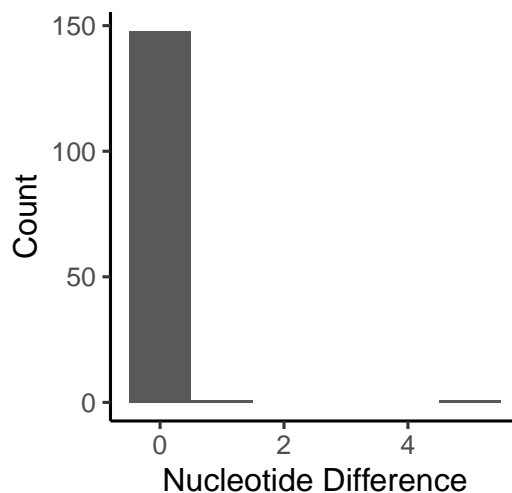
TRBV5-4*ap01

7726 sequences assigned
7626 (98.7%) exact matches, in which:
7491 unique CDR3
13 unique J



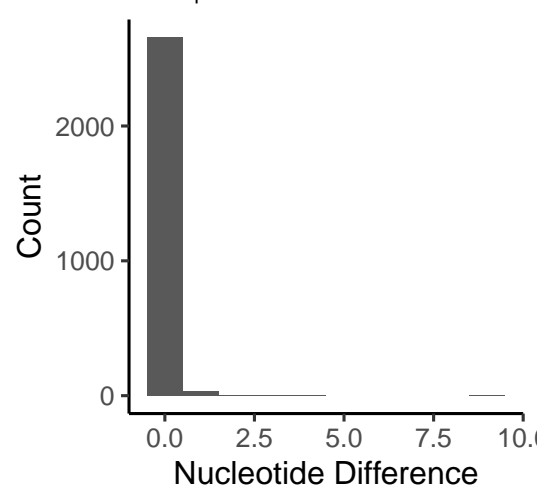
TRBV5-7*ap01

150 sequences assigned
148 (98.7%) exact matches, in which:
145 unique CDR3
13 unique J



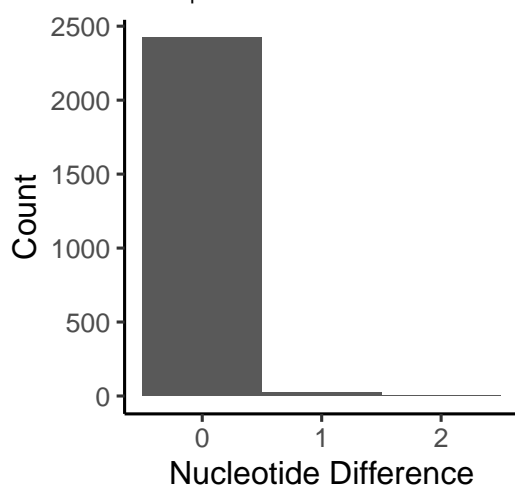
TRBV6-4*ap01

2696 sequences assigned
2657 (98.6%) exact matches, in which:
2617 unique CDR3
13 unique J



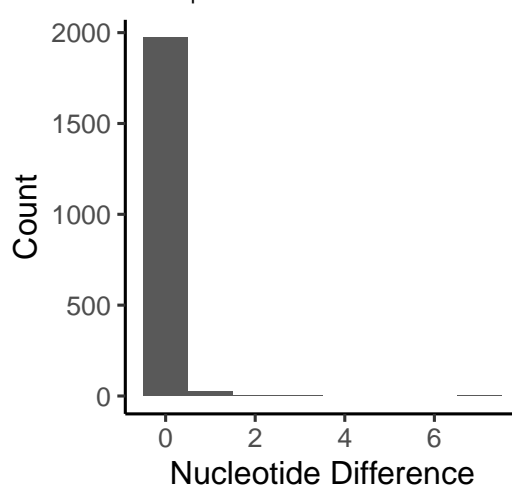
TRBV5-5*ap01

2447 sequences assigned
2422 (99%) exact matches, in which:
2399 unique CDR3
13 unique J



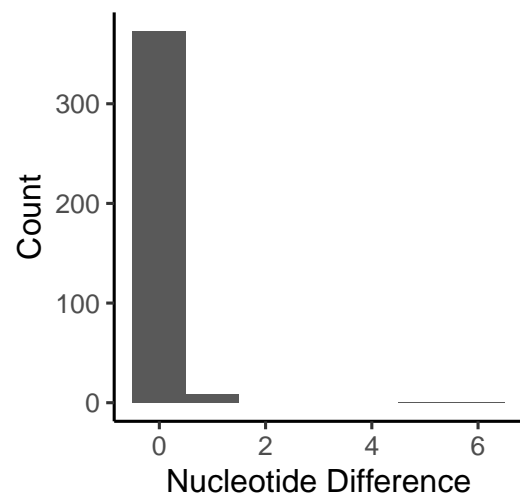
TRBV5-8*ap01

2005 sequences assigned
1972 (98.4%) exact matches, in which:
1951 unique CDR3
13 unique J



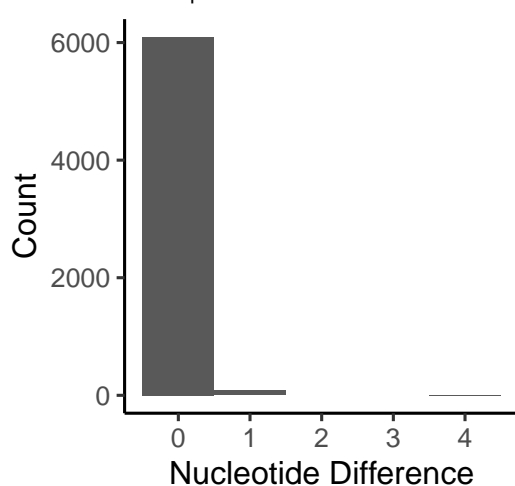
TRBV6-7*ap01

384 sequences assigned
373 (97.1%) exact matches, in which:
365 unique CDR3
13 unique J



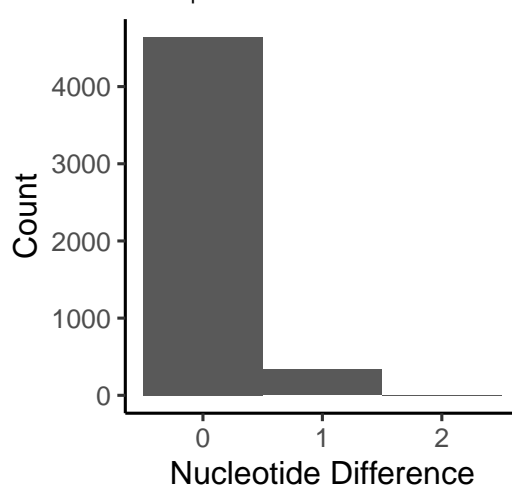
TRBV5-6*ap01

6179 sequences assigned
6094 (98.6%) exact matches, in which:
5976 unique CDR3
13 unique J



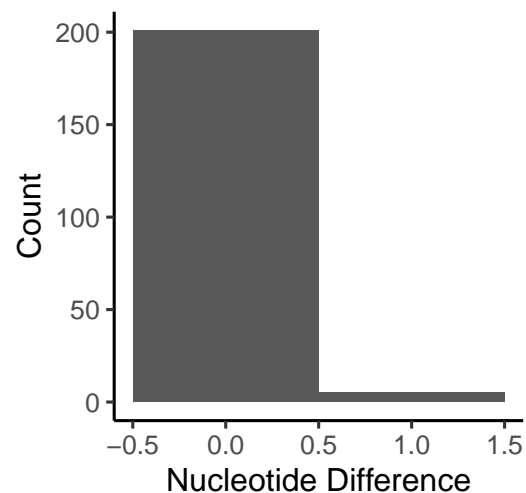
TRBV6-1*ap01

4978 sequences assigned
4642 (93.3%) exact matches, in which:
4554 unique CDR3
13 unique J



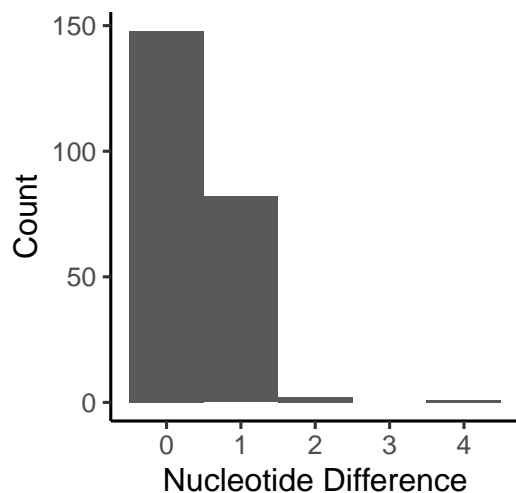
TRBV6-8*ap01

206 sequences assigned
201 (97.6%) exact matches, in which:
197 unique CDR3
13 unique J



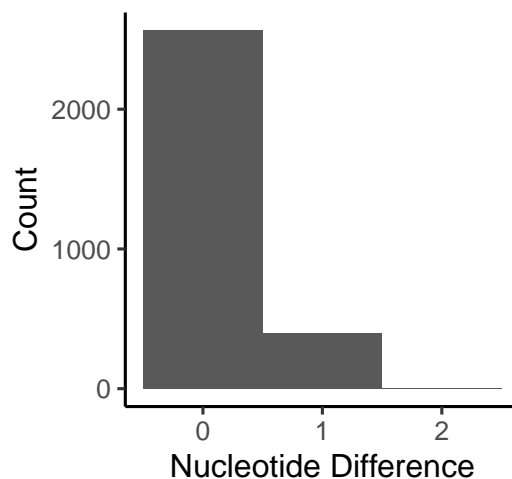
TRBV6-9*ap01

233 sequences assigned
148 (63.5%) exact matches, in which:
144 unique CDR3
13 unique J



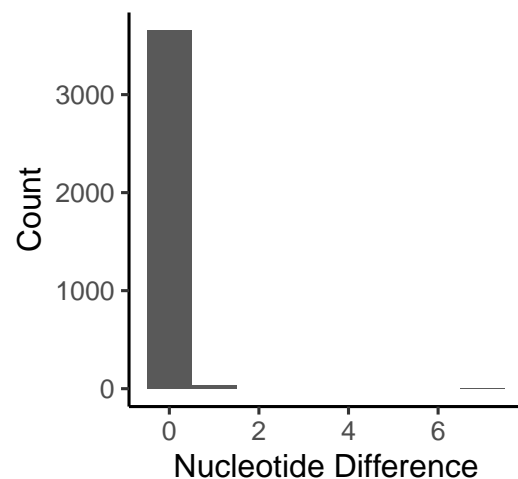
TRBV6-56*ap02

2968 sequences assigned
2564 (86.4%) exact matches, in which:
2513 unique CDR3
13 unique J



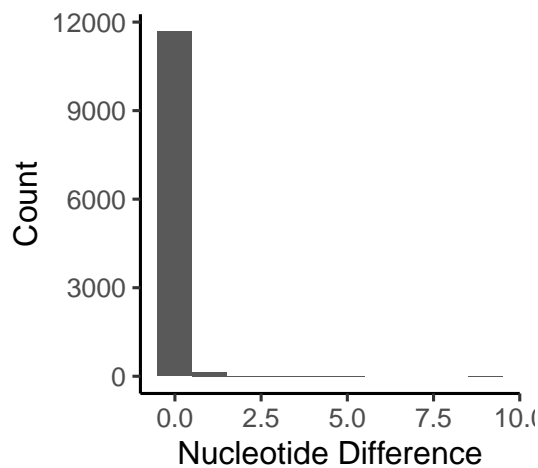
TRBV7-3*ap01

3691 sequences assigned
3655 (99%) exact matches, in which:
3616 unique CDR3
13 unique J



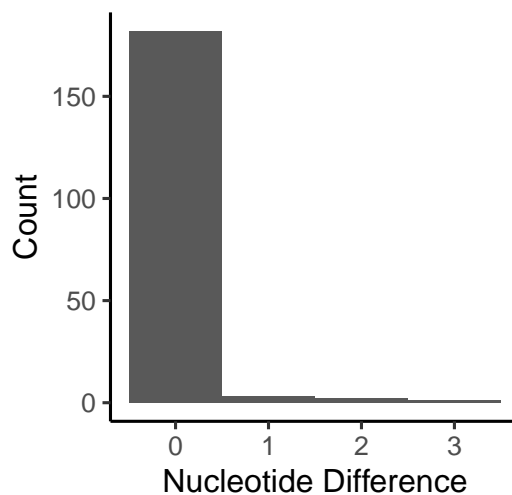
TRBV6-23*ap01

11844 sequences assigned
11682 (98.6%) exact matches, in which:
11423 unique CDR3
13 unique J



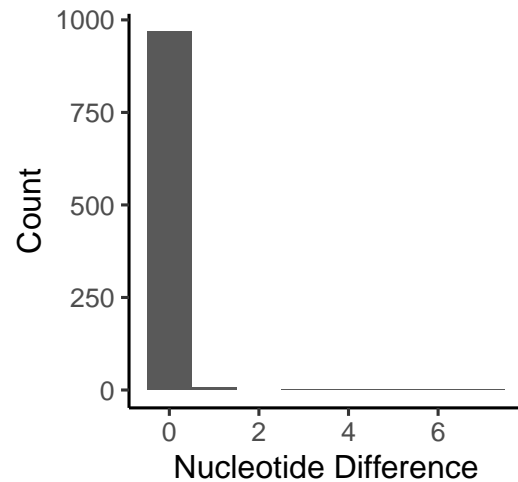
TRBV7-1*ap01_G291C_

188 sequences assigned
182 (96.8%) exact matches, in which:
180 unique CDR3
13 unique J



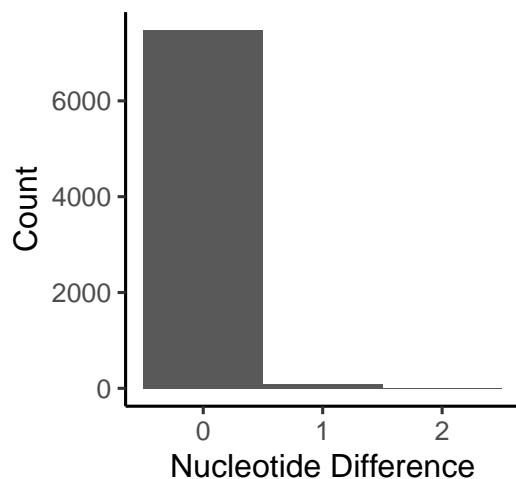
TRBV7-3*ap02

981 sequences assigned
968 (98.7%) exact matches, in which:
959 unique CDR3
13 unique J



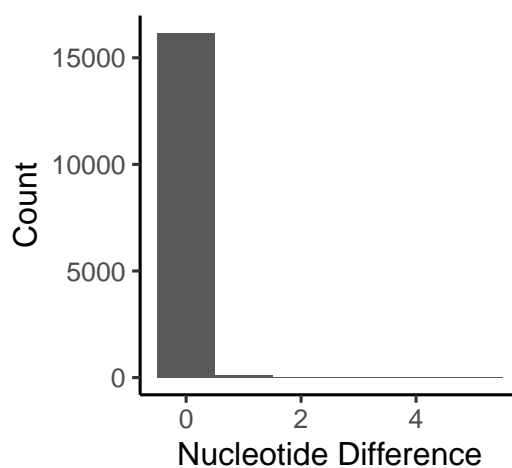
TRBV6-56*ap01

7563 sequences assigned
7478 (98.9%) exact matches, in which:
7342 unique CDR3
13 unique J



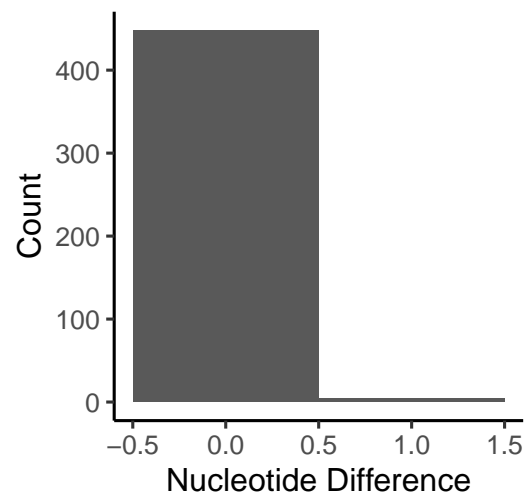
TRBV7-2*ap01

16308 sequences assigned
16173 (99.2%) exact matches, in which:
15985 unique CDR3
13 unique J



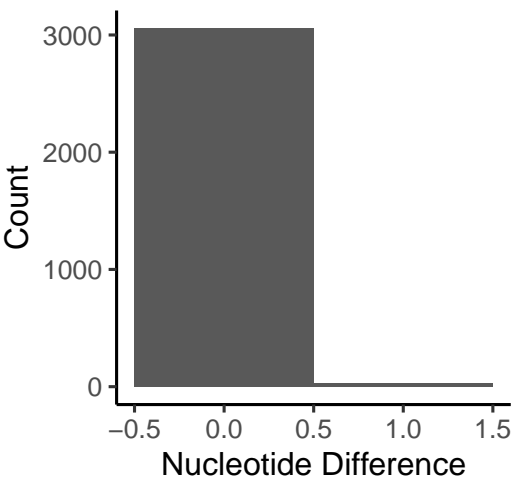
TRBV7-4*ap01

452 sequences assigned
448 (99.1%) exact matches, in which:
442 unique CDR3
13 unique J



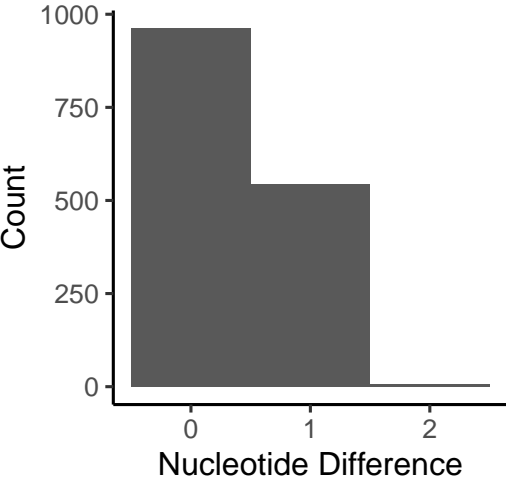
TRBV7-6*ap01

3088 sequences assigned
3056 (99%) exact matches, in which:
3012 unique CDR3
13 unique J



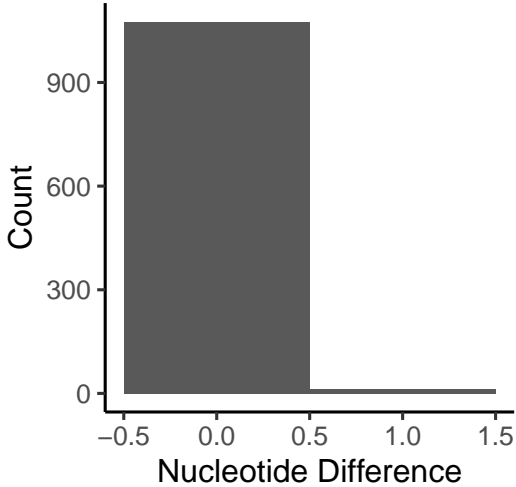
TRBV7-8*ap03

1514 sequences assigned
962 (63.5%) exact matches, in which:
944 unique CDR3
13 unique J



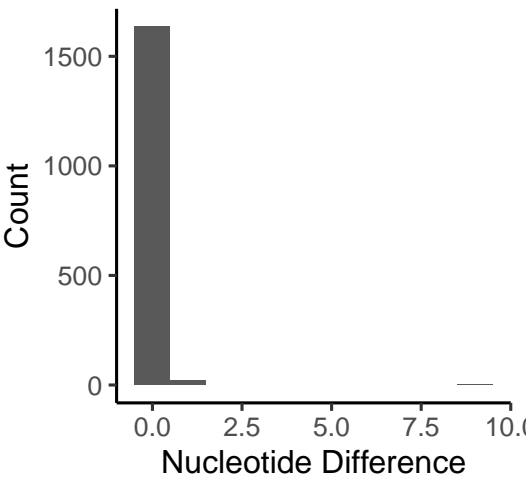
TRBV29-1*ap02

1088 sequences assigned
1076 (98.9%) exact matches, in which:
1059 unique CDR3
13 unique J



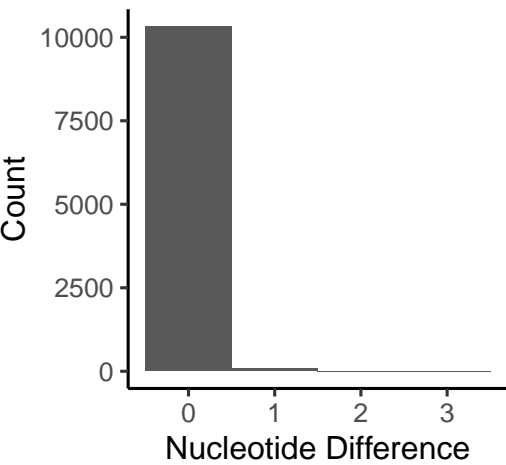
TRBV7-7*ap01_C315T

1657 sequences assigned
1635 (98.7%) exact matches, in which:
1606 unique CDR3
13 unique J



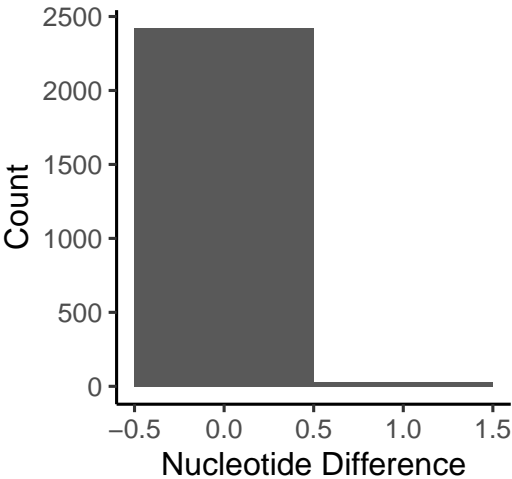
TRBV7-9*ap01

10417 sequences assigned
10324 (99.1%) exact matches, in which:
10204 unique CDR3
13 unique J



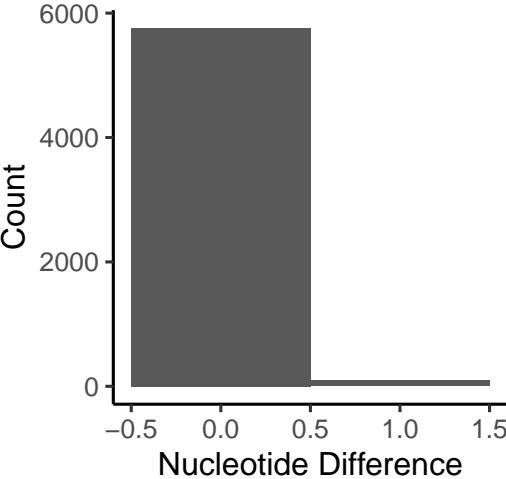
TRBV7-8*ap01

2450 sequences assigned
2422 (98.9%) exact matches, in which:
2386 unique CDR3
13 unique J

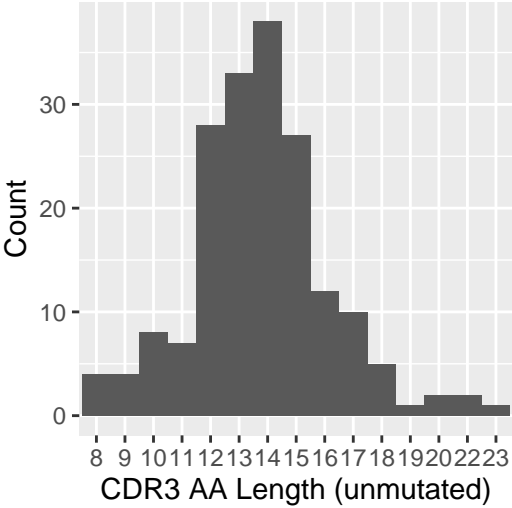


TRBV29-1*ap01

5851 sequences assigned
5760 (98.4%) exact matches, in which:
5676 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

