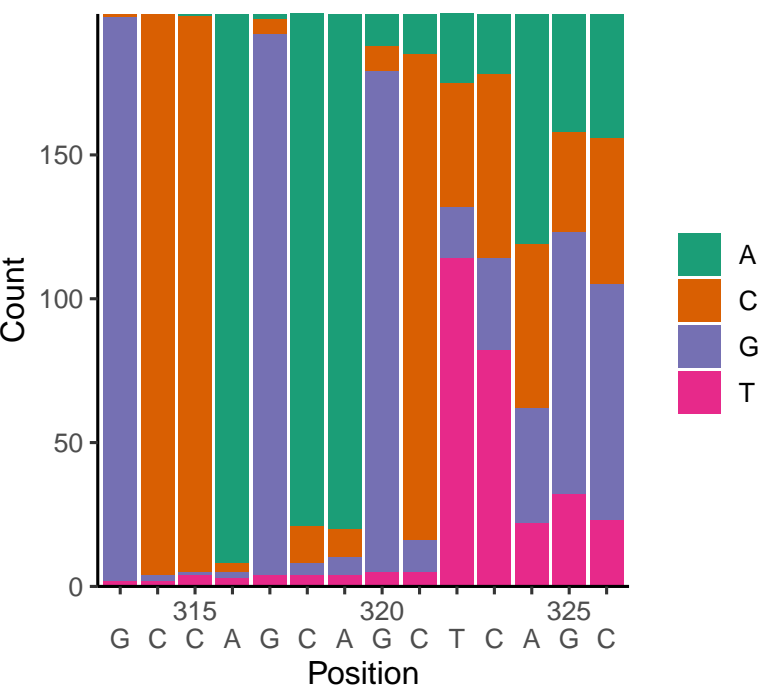
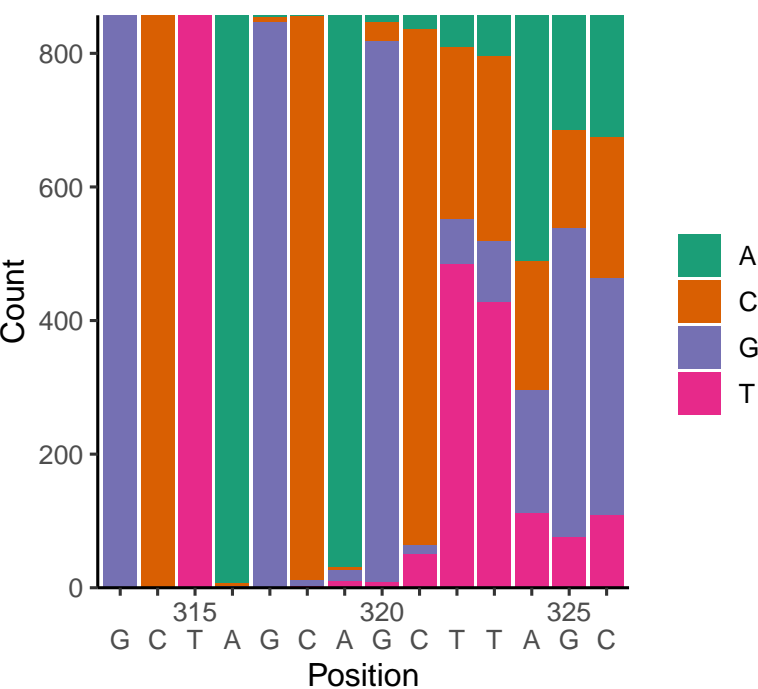


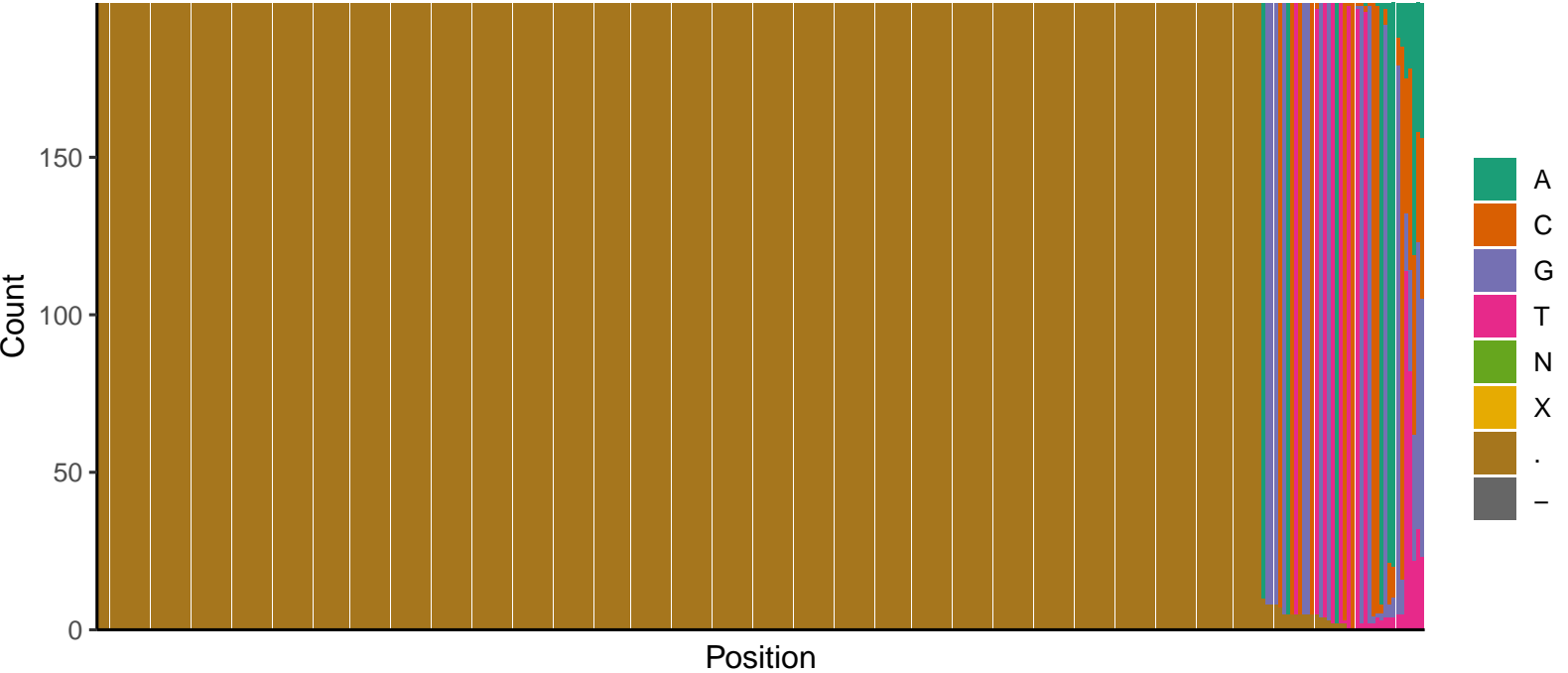
Gene TRBV7-1*ap01_G291C_T296C



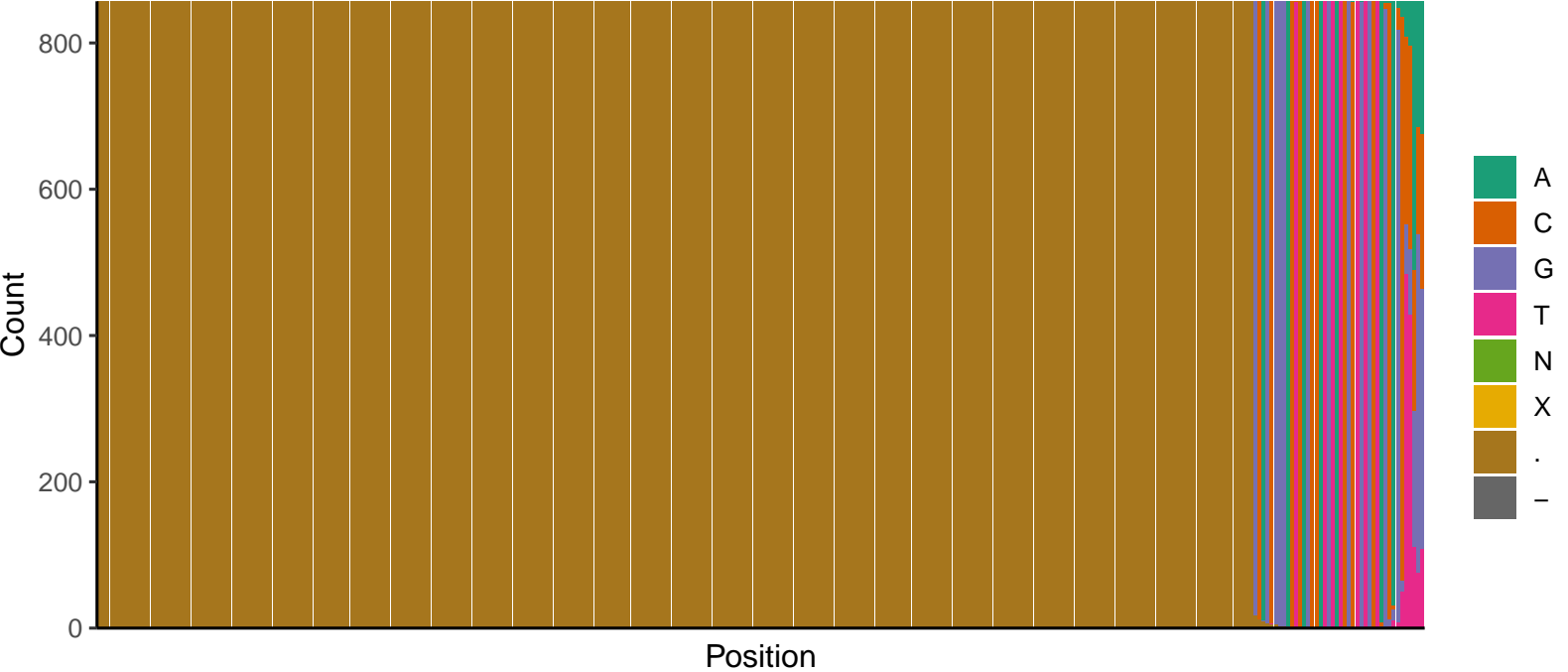
Gene TRBV7-7*ap01_C315T



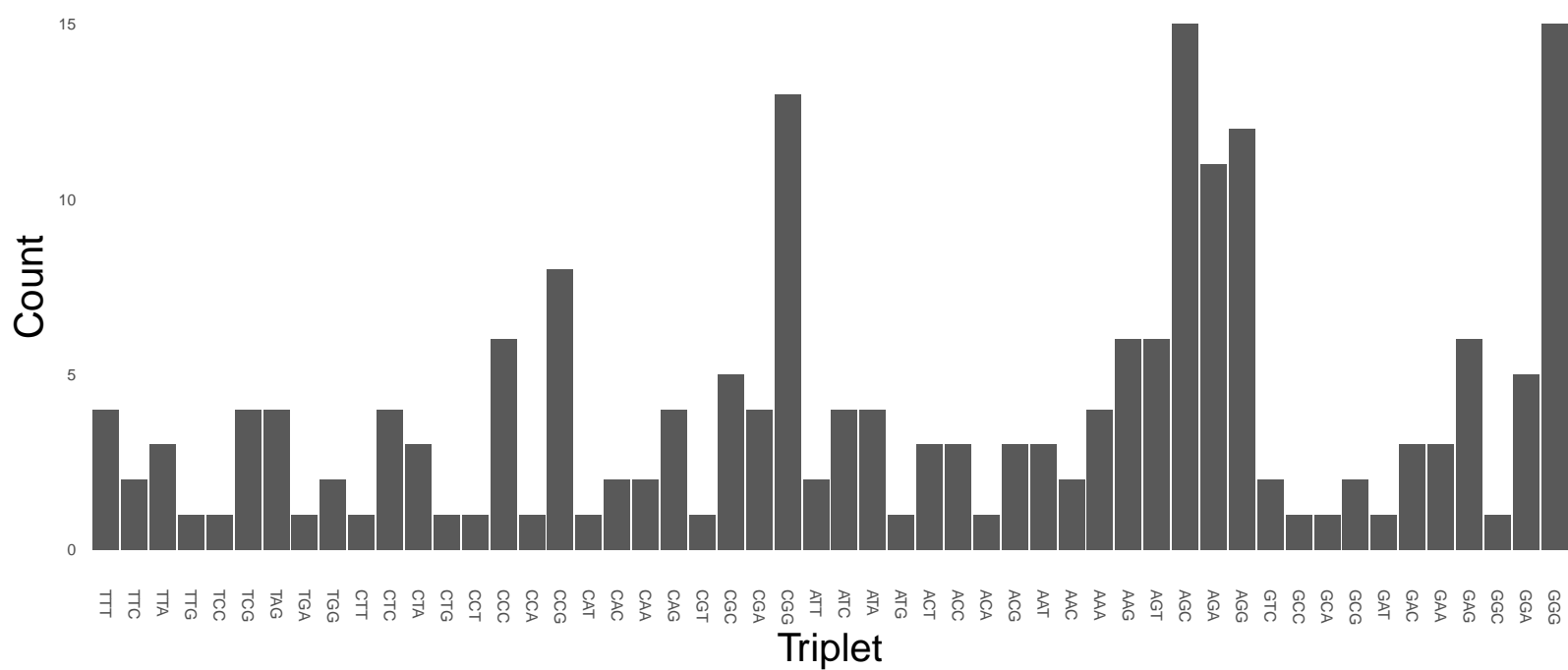
Gene TRBV7-1*ap01_G291C_T296C



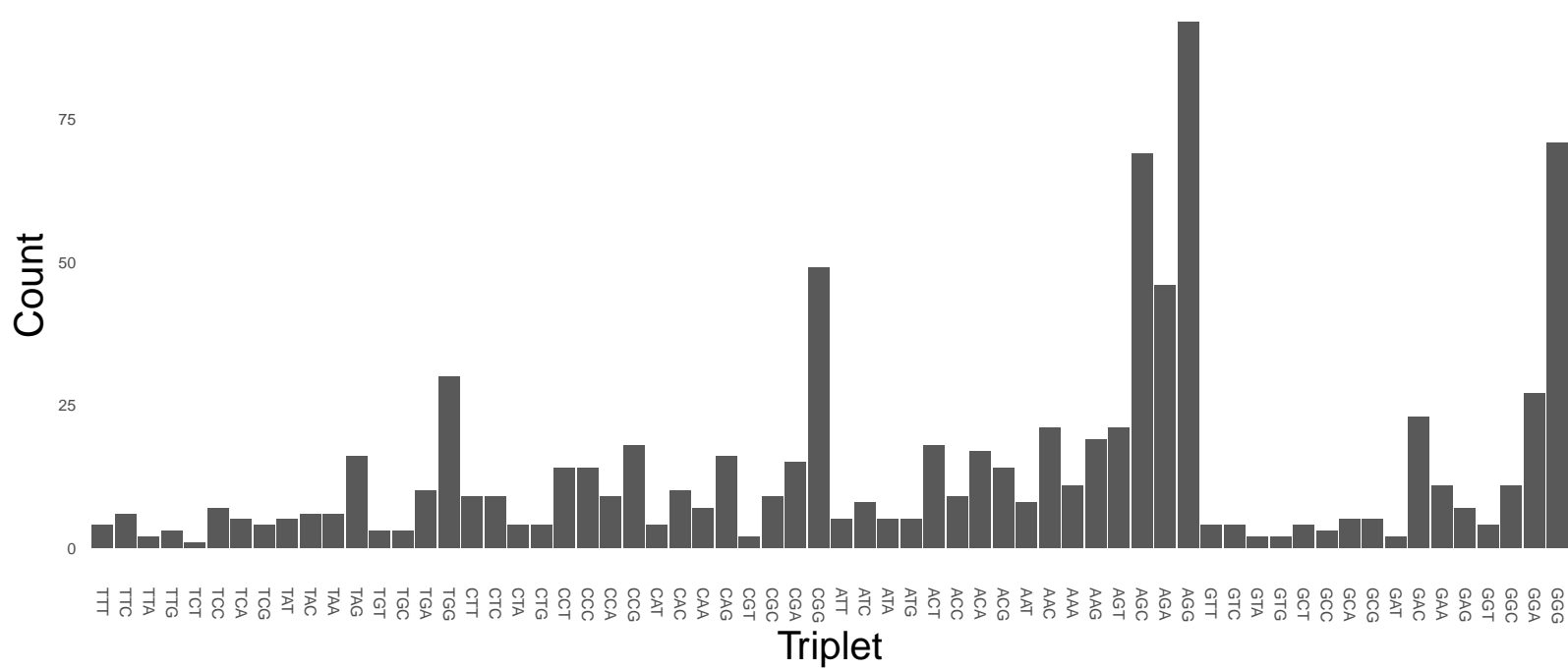
Gene TRBV7-7*ap01_C315T



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

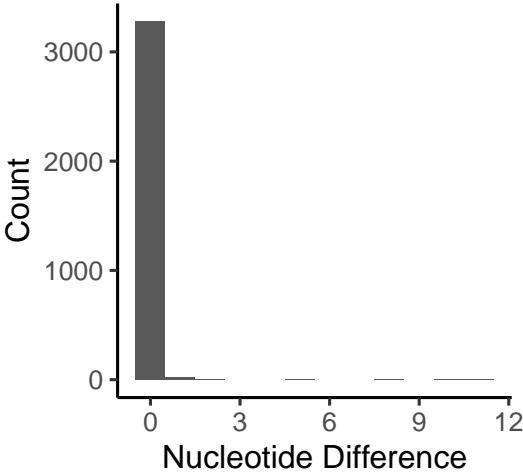


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



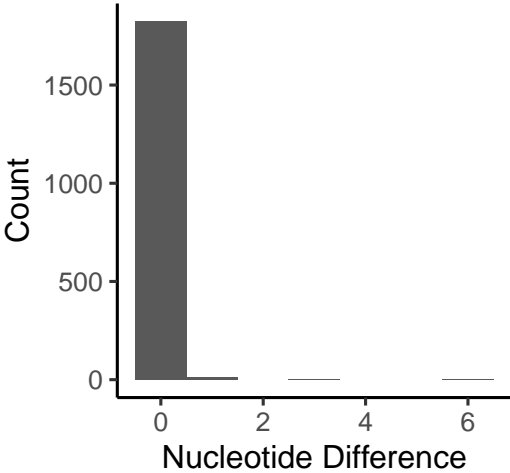
TRBV10-1*ap01

3314 sequences assigned
3279 (98.9%) exact matches, in which:
3254 unique CDR3
14 unique J



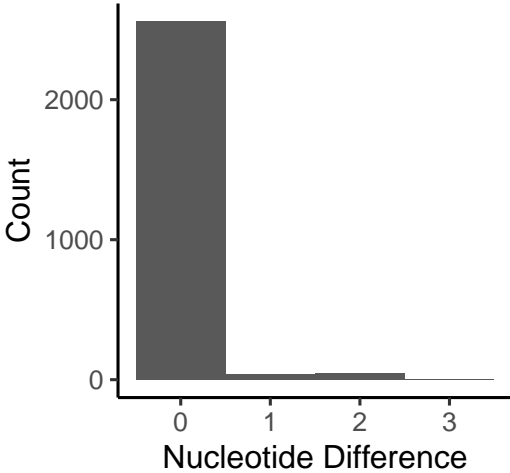
TRBV10-2*ap01

1840 sequences assigned
1824 (99.1%) exact matches, in which:
1818 unique CDR3
14 unique J



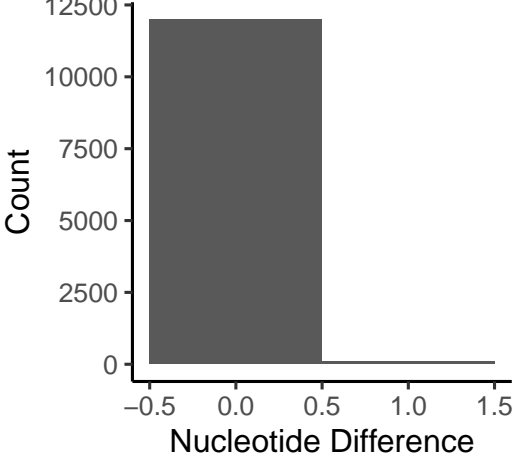
TRBV13*ap01

2651 sequences assigned
2559 (96.5%) exact matches, in which:
2528 unique CDR3
14 unique J



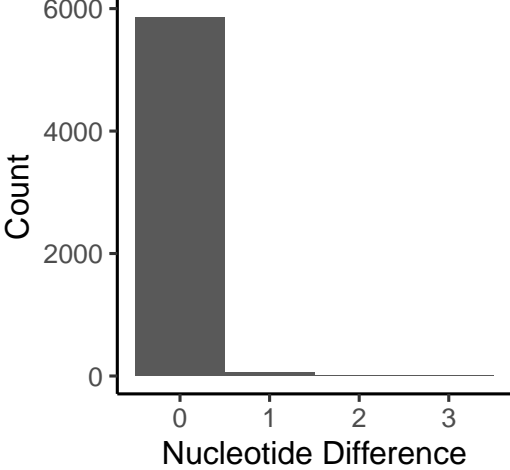
TRBV20-1*ap01

12093 sequences assigned
11995 (99.2%) exact matches, in which:
11934 unique CDR3
14 unique J



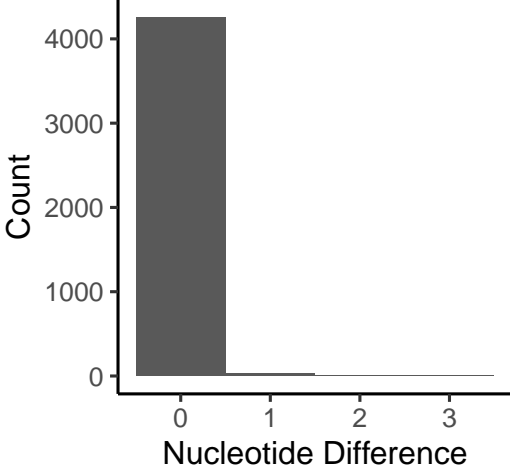
TRBV10-3*ap01

5917 sequences assigned
5851 (98.9%) exact matches, in which:
5803 unique CDR3
14 unique J



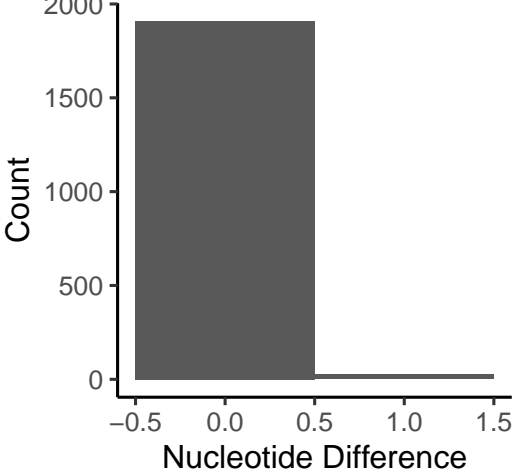
TRBV14*ap01

4279 sequences assigned
4251 (99.3%) exact matches, in which:
4234 unique CDR3
14 unique J



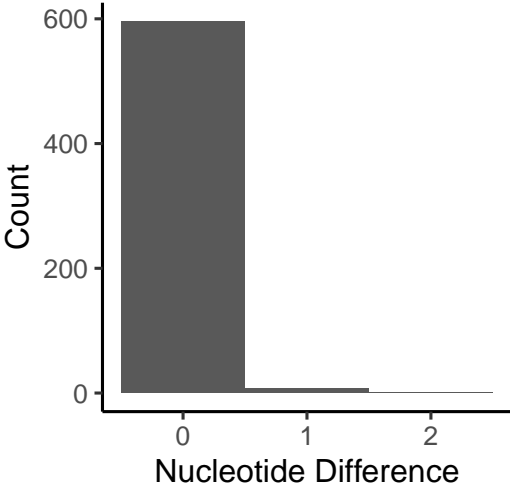
TRBV20-1*ap02

1935 sequences assigned
1909 (98.7%) exact matches, in which:
1900 unique CDR3
14 unique J



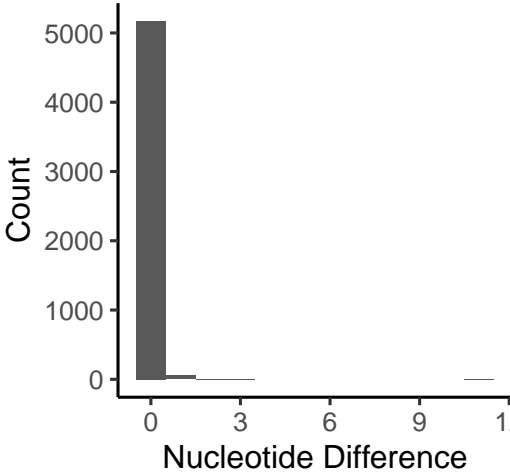
TRBV1*ap01

604 sequences assigned
596 (98.7%) exact matches, in which:
589 unique CDR3
14 unique J



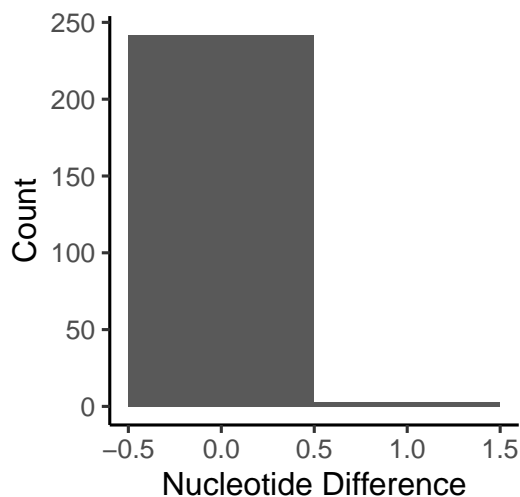
TRBV15*ap02

5235 sequences assigned
5172 (98.8%) exact matches, in which:
5122 unique CDR3
14 unique J



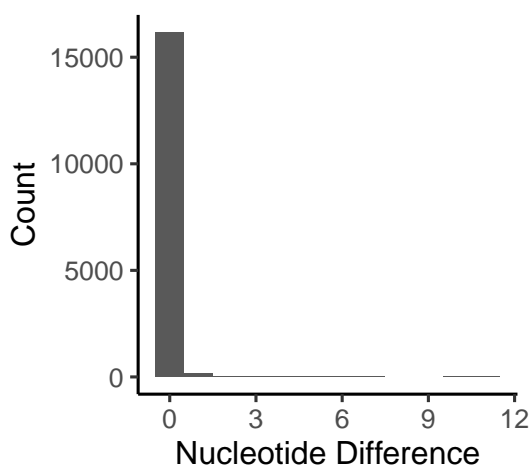
TRBV16*ap01

245 sequences assigned
242 (98.8%) exact matches, in which:
240 unique CDR3
14 unique J



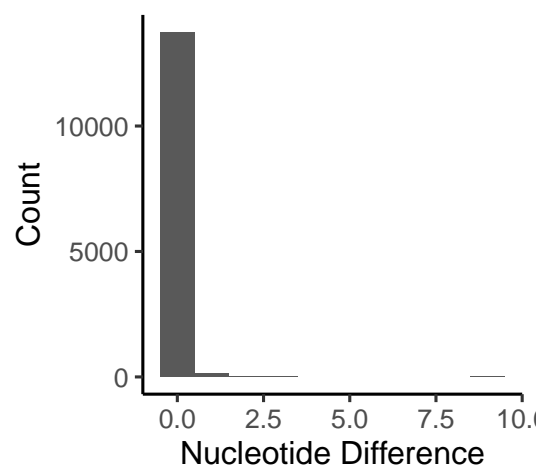
TRBV19*ap01

16340 sequences assigned
16177 (99%) exact matches, in which:
16132 unique CDR3
14 unique J



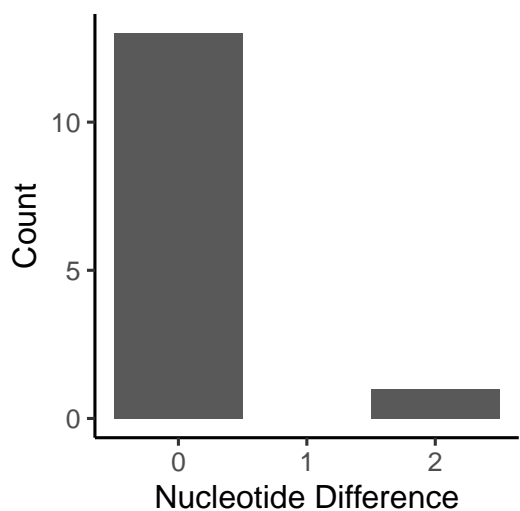
TRBV28*ap01

13904 sequences assigned
13741 (98.8%) exact matches, in which:
13680 unique CDR3
14 unique J



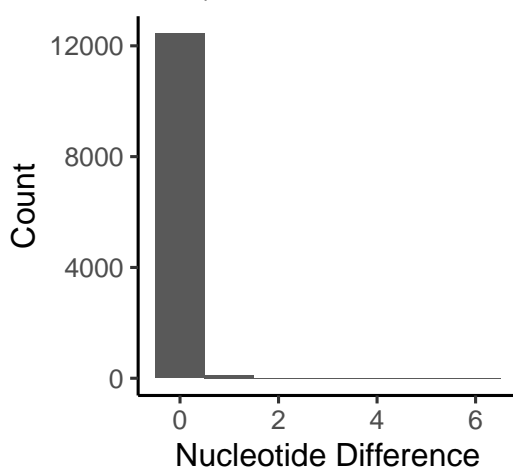
TRBV17*ap01

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



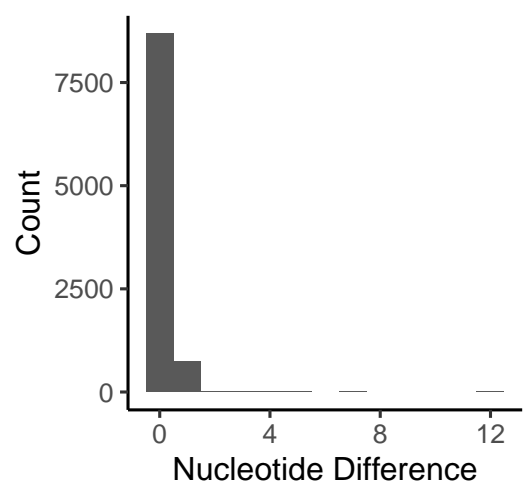
TRBV2*ap01

12566 sequences assigned
12446 (99%) exact matches, in which:
12347 unique CDR3
14 unique J



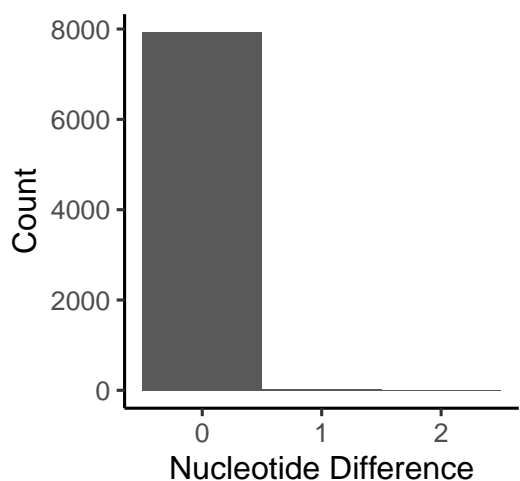
TRBV30*ap01

9468 sequences assigned
8683 (91.7%) exact matches, in which:
8524 unique CDR3
14 unique J



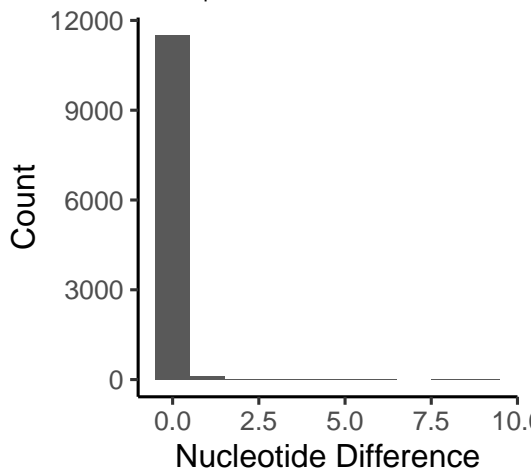
TRBV18*ap01

7969 sequences assigned
7933 (99.5%) exact matches, in which:
7904 unique CDR3
14 unique J



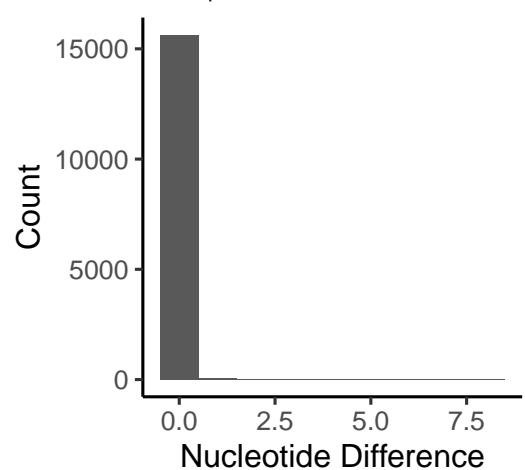
TRBV27*ap01

11653 sequences assigned
11520 (98.9%) exact matches, in which:
11455 unique CDR3
14 unique J



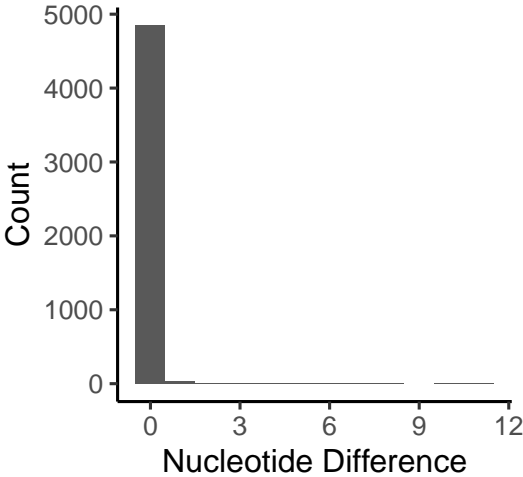
TRBV9*ap01

15739 sequences assigned
15637 (99.4%) exact matches, in which:
15575 unique CDR3
14 unique J



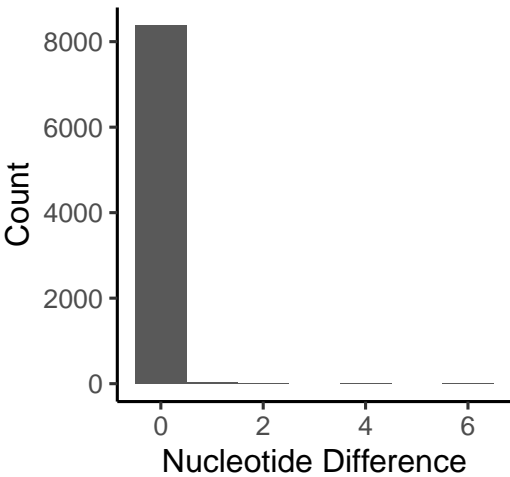
TRBV21-1*ap01

4925 sequences assigned
4848 (98.4%) exact matches, in which:
4836 unique CDR3
14 unique J



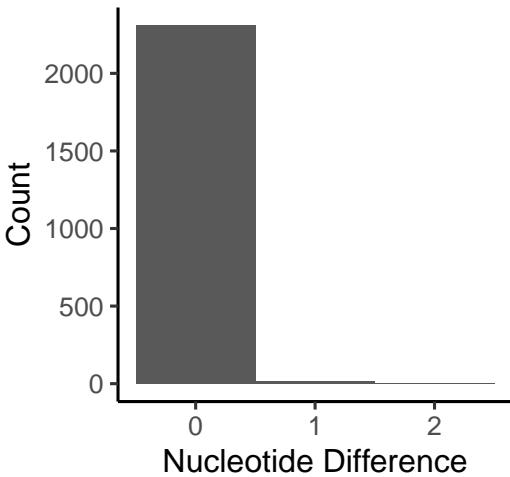
TRBV11-3*ap01

8432 sequences assigned
8380 (99.4%) exact matches, in which:
8350 unique CDR3
14 unique J



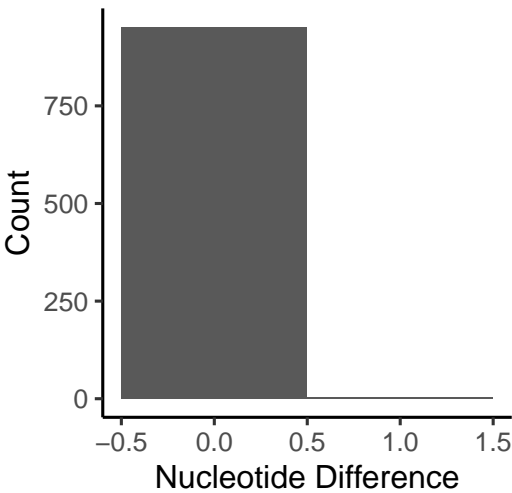
TRBV12-5*ap01

2326 sequences assigned
2309 (99.3%) exact matches, in which:
2290 unique CDR3
14 unique J



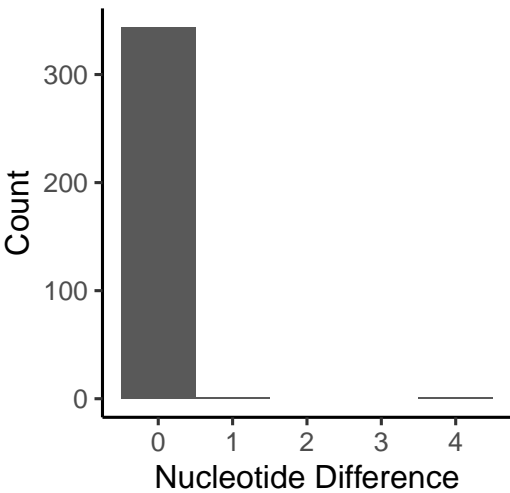
TRBV11-1*ap01

955 sequences assigned
952 (99.7%) exact matches, in which:
948 unique CDR3
14 unique J



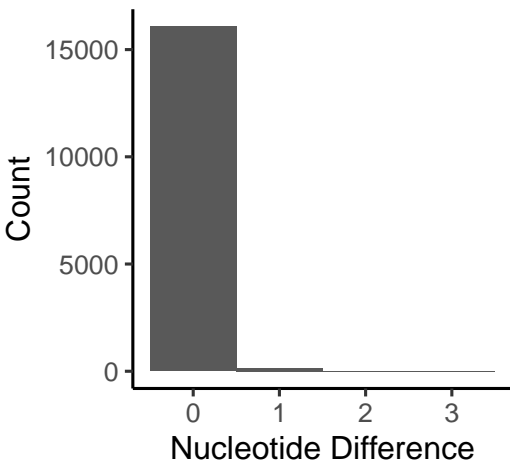
TRBV12-1*ap01

346 sequences assigned
344 (99.4%) exact matches, in which:
341 unique CDR3
14 unique J



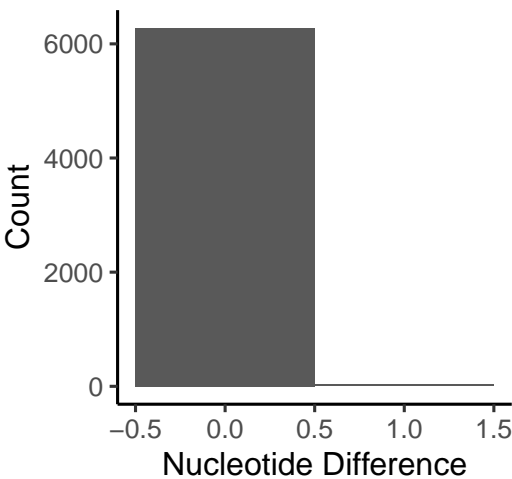
TRBV12-34*ap01

16226 sequences assigned
16078 (99.1%) exact matches, in which:
15955 unique CDR3
14 unique J



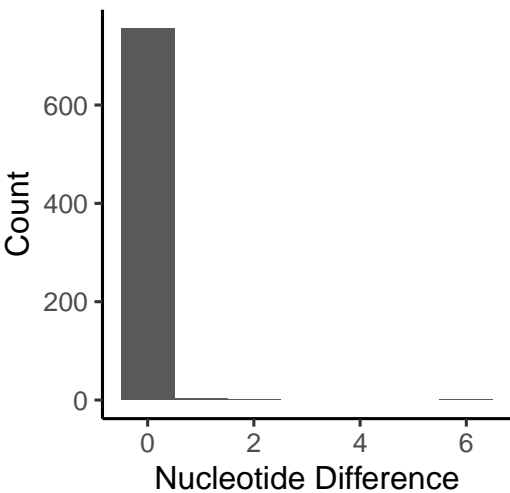
TRBV11-2*ap01

6306 sequences assigned
6277 (99.5%) exact matches, in which:
6249 unique CDR3
14 unique J



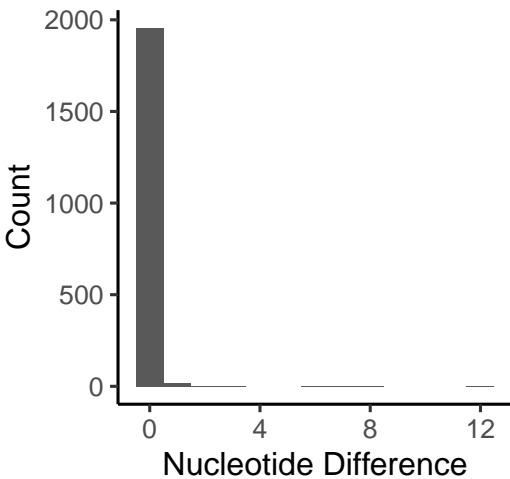
TRBV12-2*ap01

762 sequences assigned
756 (99.2%) exact matches, in which:
752 unique CDR3
14 unique J



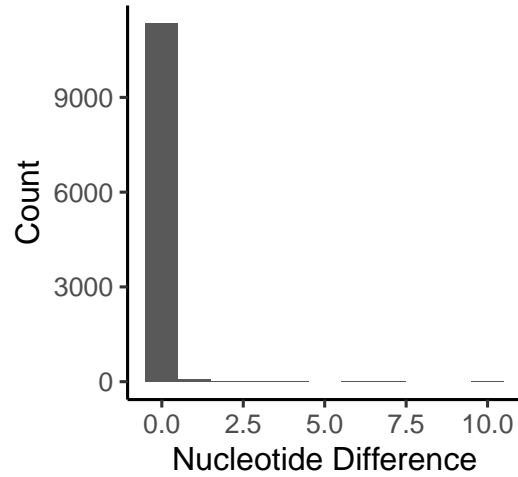
TRBV23-1*ap01

1983 sequences assigned
1955 (98.6%) exact matches, in which:
1942 unique CDR3
14 unique J



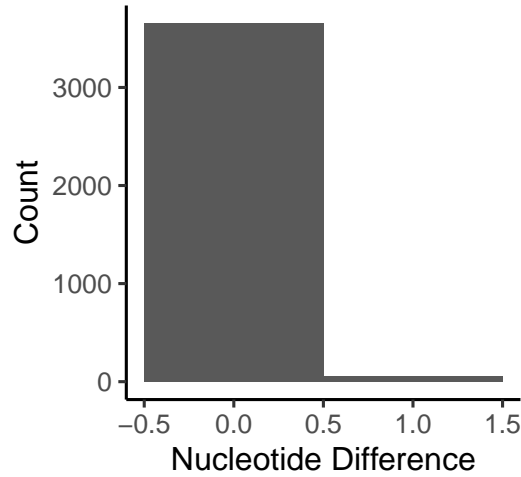
TRBV3-12*ap01

11421 sequences assigned
11343 (99.3%) exact matches, in which:
11302 unique CDR3
14 unique J



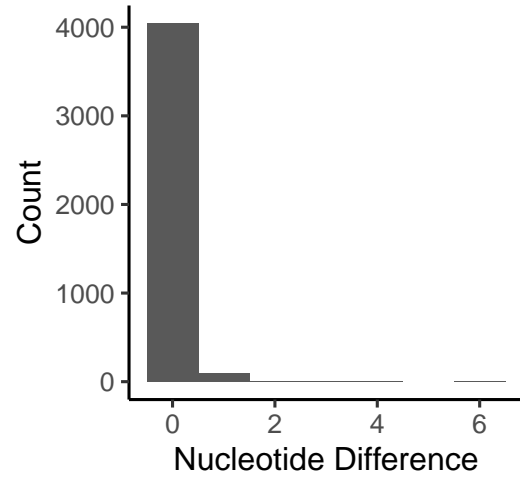
TRBV4-2*ap01

3706 sequences assigned
3653 (98.6%) exact matches, in which:
3628 unique CDR3
14 unique J



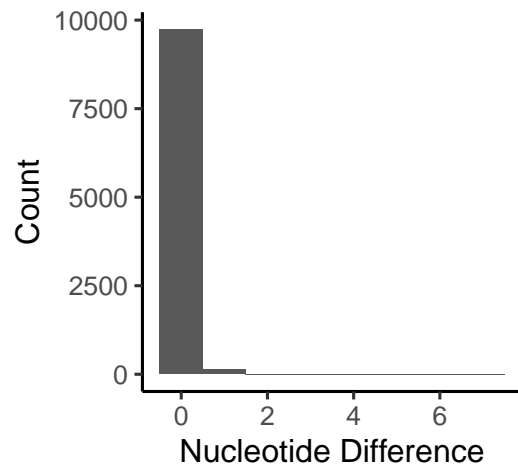
TRBV25-1*ap01

4154 sequences assigned
4043 (97.3%) exact matches, in which:
4000 unique CDR3
14 unique J



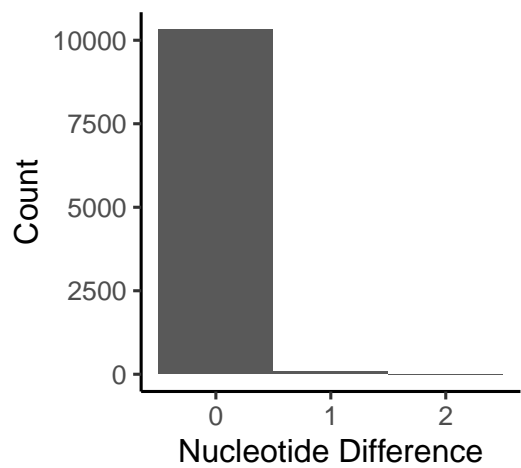
TRBV24-1*ap01

9880 sequences assigned
9736 (98.5%) exact matches, in which:
9644 unique CDR3
14 unique J



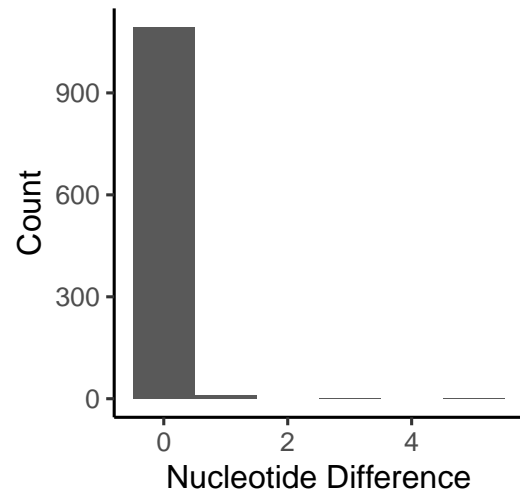
TRBV4-3*ap01

10406 sequences assigned
10323 (99.2%) exact matches, in which:
10248 unique CDR3
14 unique J



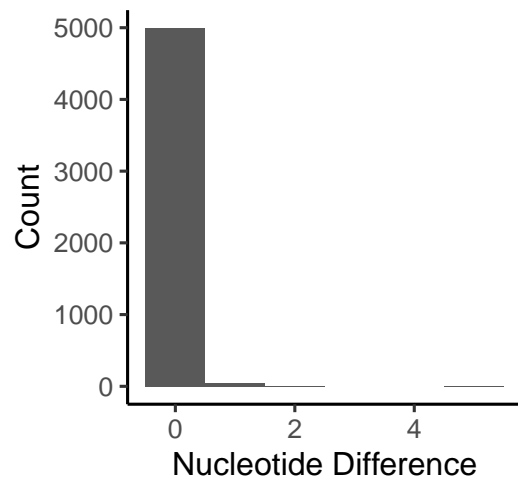
TRBV5-3*ap01

1105 sequences assigned
1094 (99%) exact matches, in which:
1084 unique CDR3
14 unique J



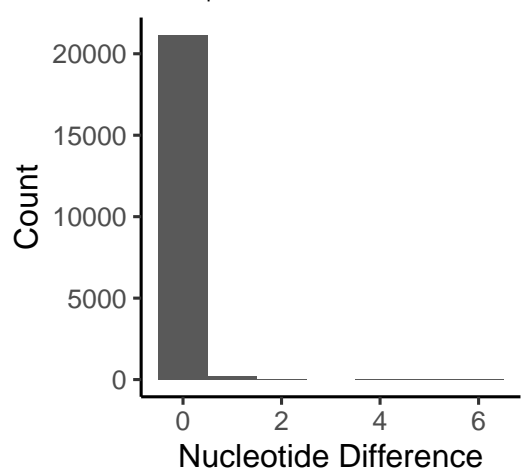
TRBV4-1*ap01

5040 sequences assigned
4995 (99.1%) exact matches, in which:
4954 unique CDR3
14 unique J



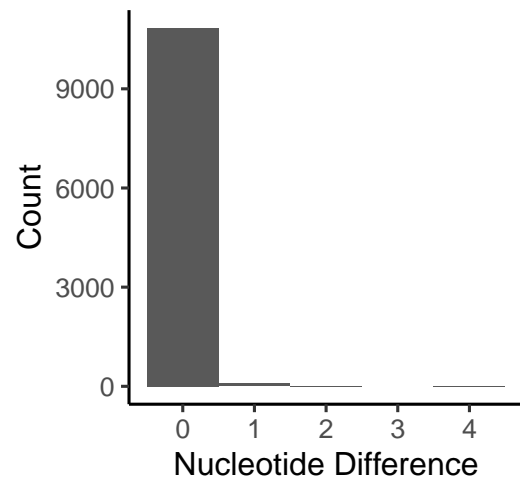
TRBV5-1*ap01

21371 sequences assigned
21165 (99%) exact matches, in which:
20976 unique CDR3
14 unique J



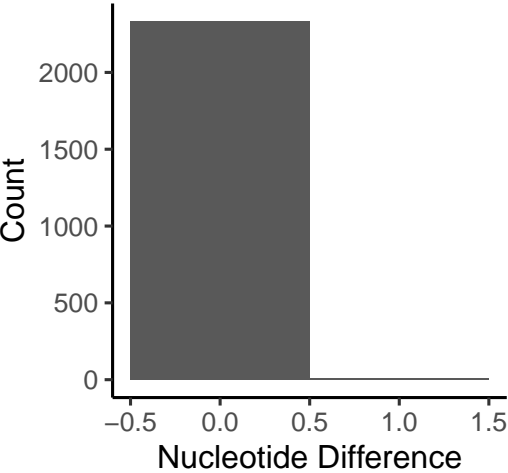
TRBV5-4*ap01

10930 sequences assigned
10839 (99.2%) exact matches, in which:
10762 unique CDR3
14 unique J



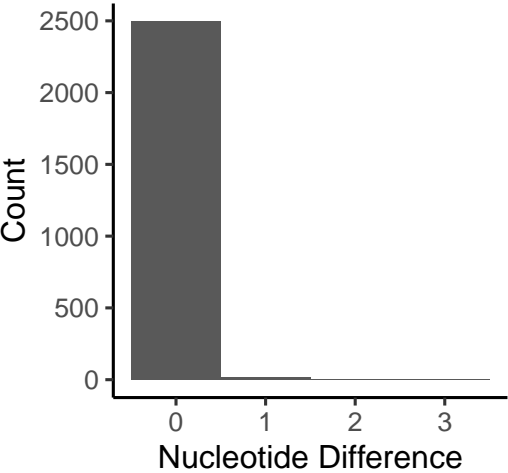
TRBV5-5*ap01

2341 sequences assigned
2332 (99.6%) exact matches, in which:
2326 unique CDR3
14 unique J



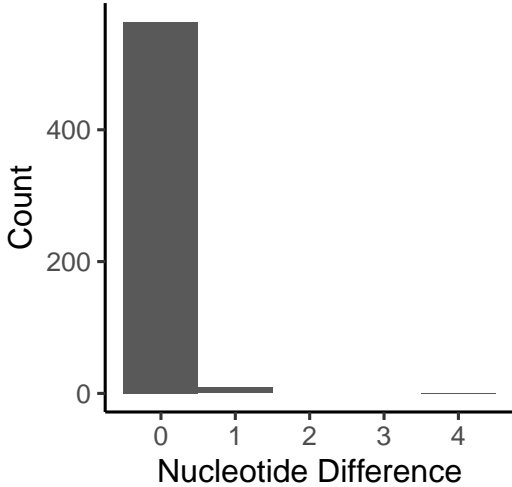
TRBV5-8*ap01

2517 sequences assigned
2496 (99.2%) exact matches, in which:
2482 unique CDR3
14 unique J



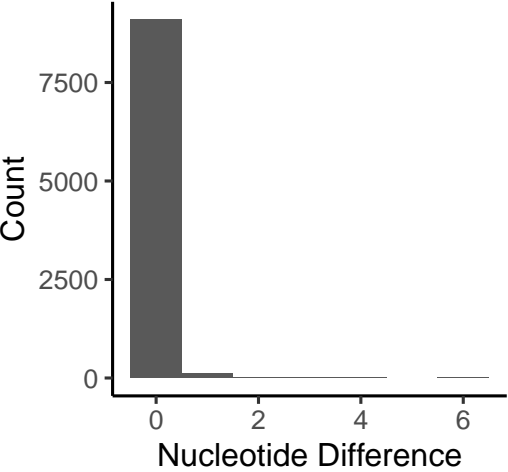
TRBV6-7*ap01

574 sequences assigned
564 (98.3%) exact matches, in which:
556 unique CDR3
14 unique J



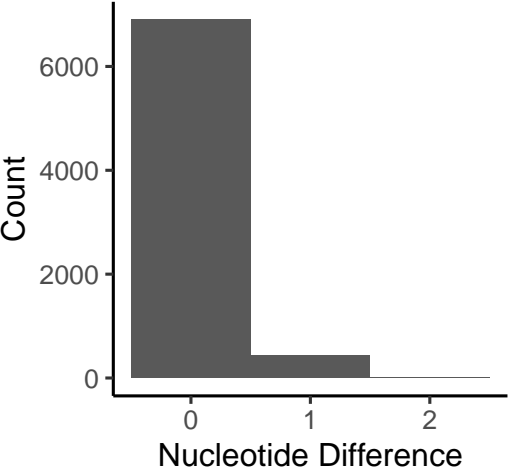
TRBV5-6*ap01

9206 sequences assigned
9093 (98.8%) exact matches, in which:
8972 unique CDR3
14 unique J



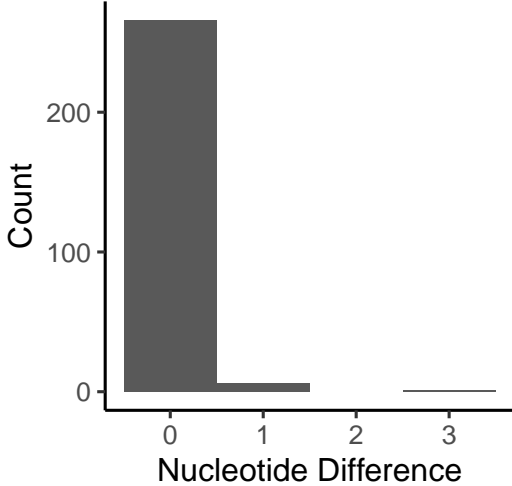
TRBV6-1*ap01

7344 sequences assigned
6900 (94%) exact matches, in which:
6829 unique CDR3
14 unique J



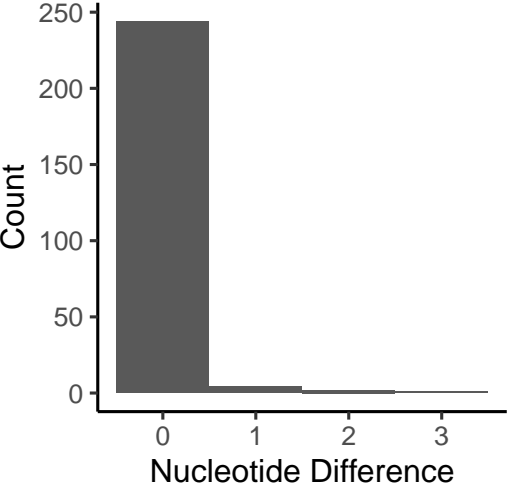
TRBV6-8*ap01

273 sequences assigned
266 (97.4%) exact matches, in which:
260 unique CDR3
14 unique J



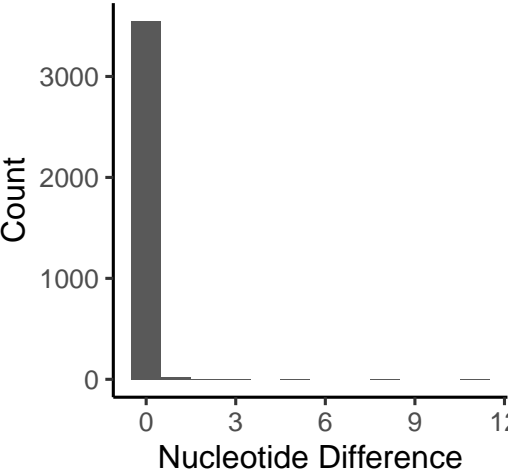
TRBV5-7*ap01

251 sequences assigned
244 (97.2%) exact matches, in which:
242 unique CDR3
14 unique J



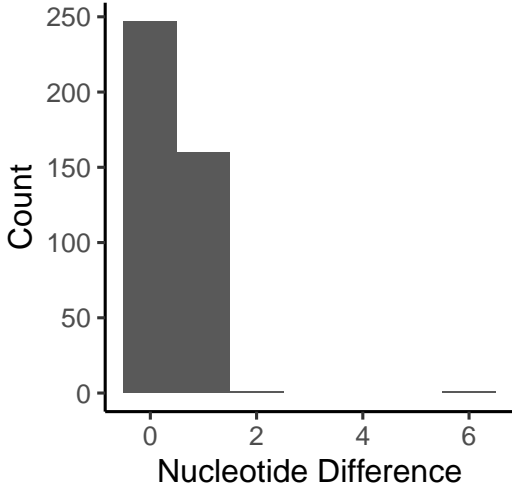
TRBV6-4*ap01

3578 sequences assigned
3549 (99.2%) exact matches, in which:
3525 unique CDR3
14 unique J



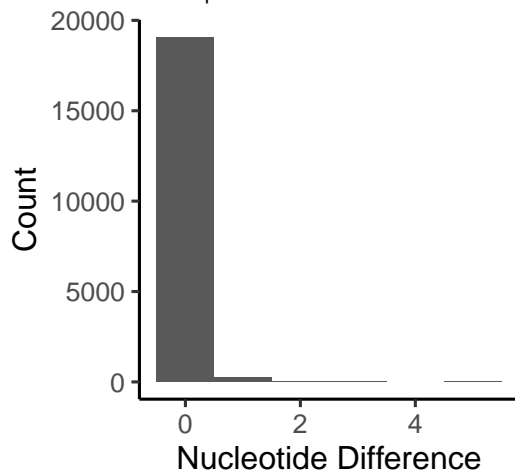
TRBV6-9*ap01

409 sequences assigned
247 (60.4%) exact matches, in which:
243 unique CDR3
14 unique J



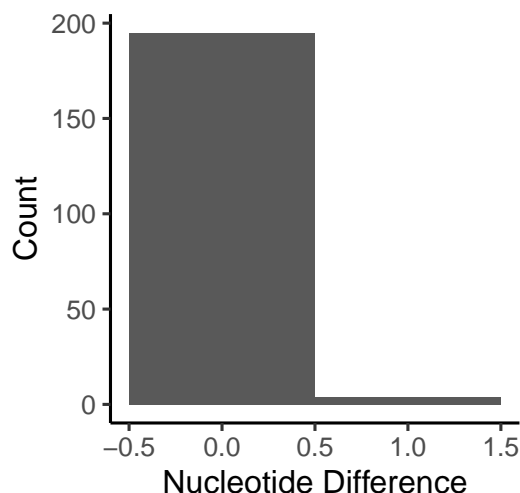
TRBV6-23*ap01

19343 sequences assigned
19071 (98.6%) exact matches, in which:
18796 unique CDR3
14 unique J



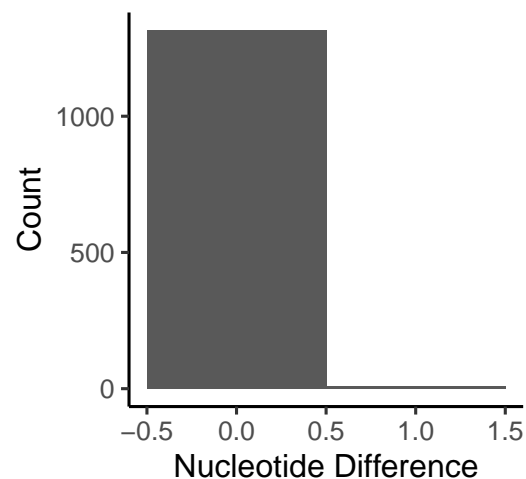
TRBV7-1*ap01_G291C_

199 sequences assigned
195 (98%) exact matches, in which:
194 unique CDR3
14 unique J



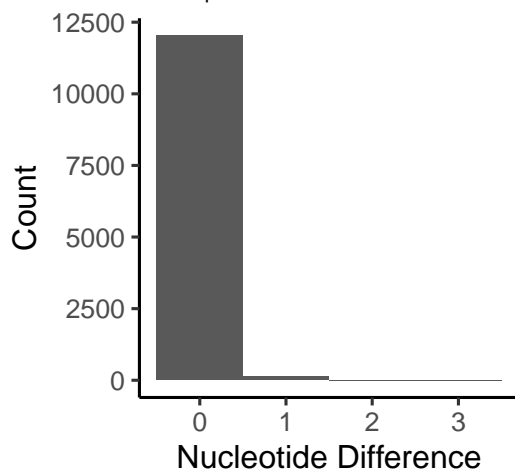
TRBV7-3*ap02

1323 sequences assigned
1315 (99.4%) exact matches, in which:
1308 unique CDR3
13 unique J



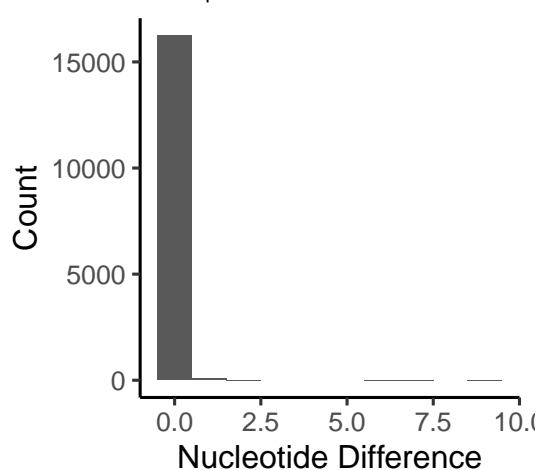
TRBV6-56*ap01

12180 sequences assigned
12037 (98.8%) exact matches, in which:
11897 unique CDR3
14 unique J



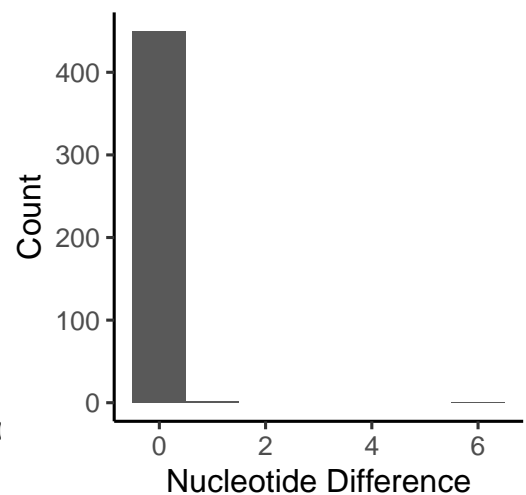
TRBV7-2*ap01

16341 sequences assigned
16247 (99.4%) exact matches, in which:
16186 unique CDR3
14 unique J



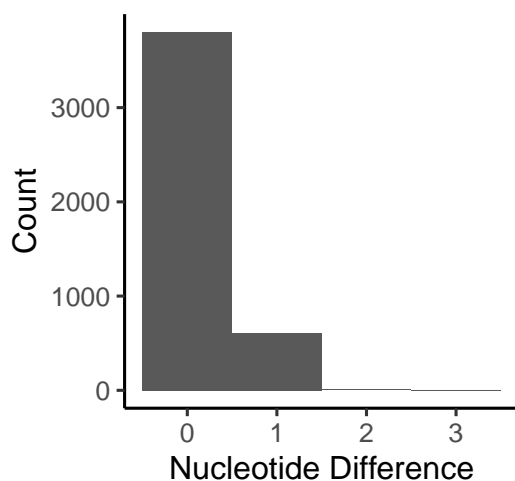
TRBV7-4*ap01

453 sequences assigned
450 (99.3%) exact matches, in which:
446 unique CDR3
14 unique J



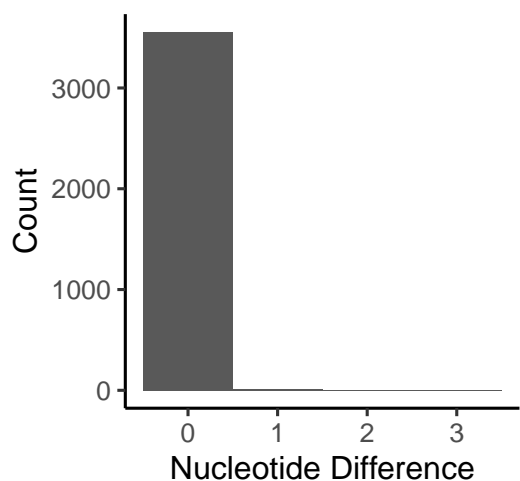
TRBV6-56*ap02

4422 sequences assigned
3802 (86%) exact matches, in which:
3760 unique CDR3
14 unique J



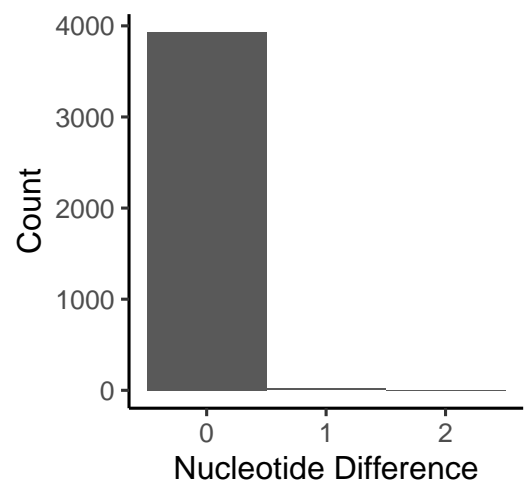
TRBV7-3*ap01

3570 sequences assigned
3555 (99.6%) exact matches, in which:
3536 unique CDR3
13 unique J



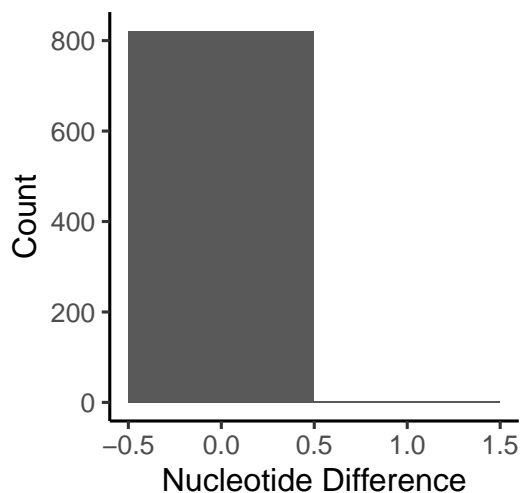
TRBV7-6*ap01

3955 sequences assigned
3932 (99.4%) exact matches, in which:
3914 unique CDR3
14 unique J



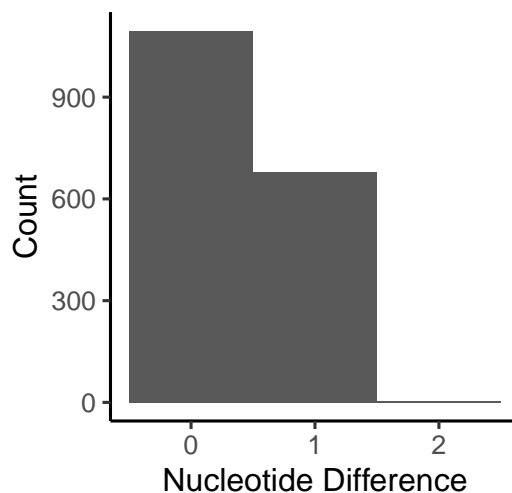
TRBV7-7*ap01

825 sequences assigned
822 (99.6%) exact matches, in which:
814 unique CDR3
14 unique J



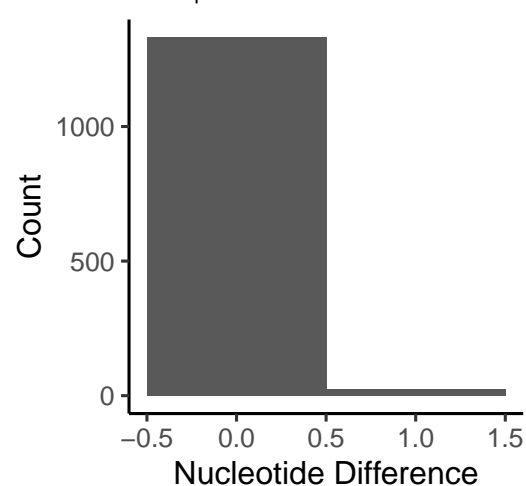
TRBV7-8*ap03

1779 sequences assigned
1096 (61.6%) exact matches, in which:
1091 unique CDR3
14 unique J



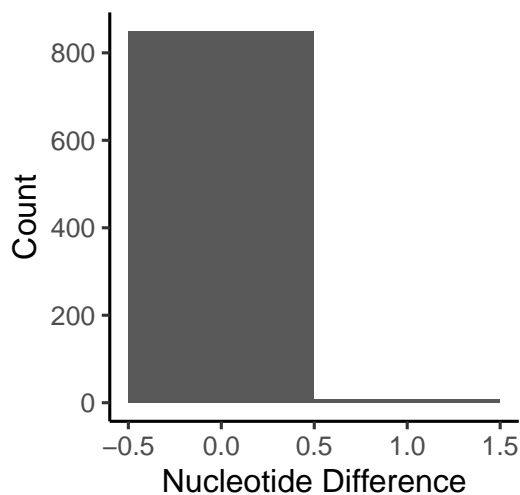
TRBV29-1*ap02

1354 sequences assigned
1331 (98.3%) exact matches, in which:
1311 unique CDR3
14 unique J



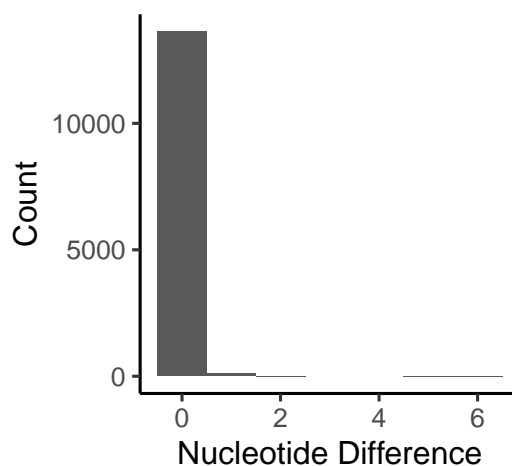
TRBV7-7*ap01_C315T

857 sequences assigned
850 (99.2%) exact matches, in which:
844 unique CDR3
13 unique J



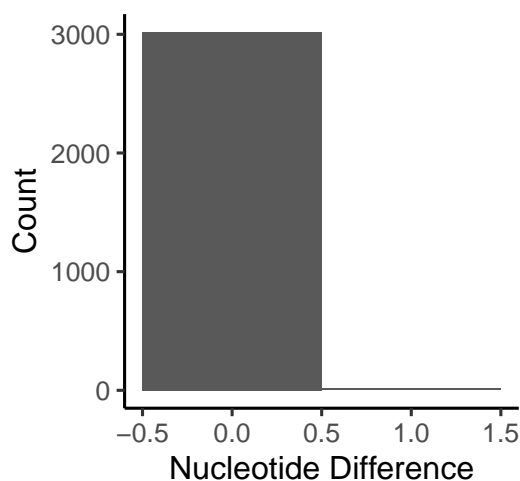
TRBV7-9*ap01

13754 sequences assigned
13633 (99.1%) exact matches, in which:
13533 unique CDR3
14 unique J



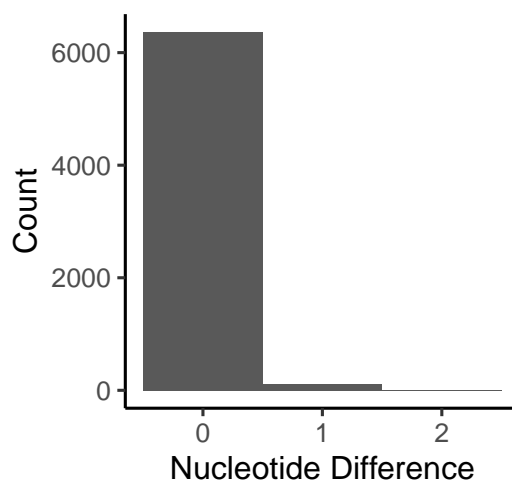
TRBV7-8*ap01

3035 sequences assigned
3019 (99.5%) exact matches, in which:
3001 unique CDR3
14 unique J

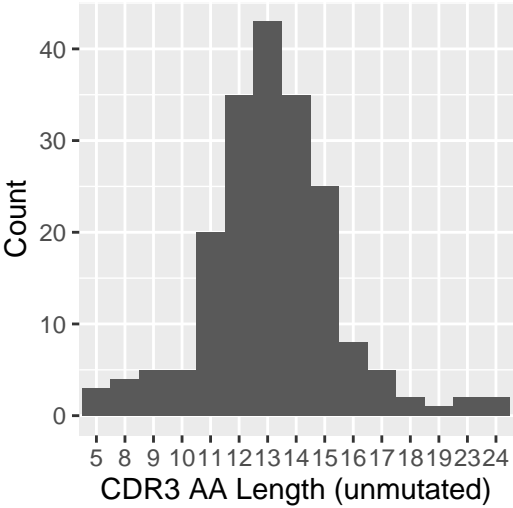


TRBV29-1*ap01

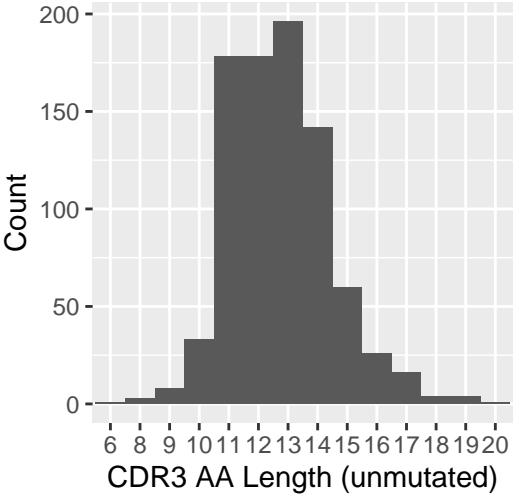
6478 sequences assigned
6366 (98.3%) exact matches, in which:
6267 unique CDR3
14 unique J

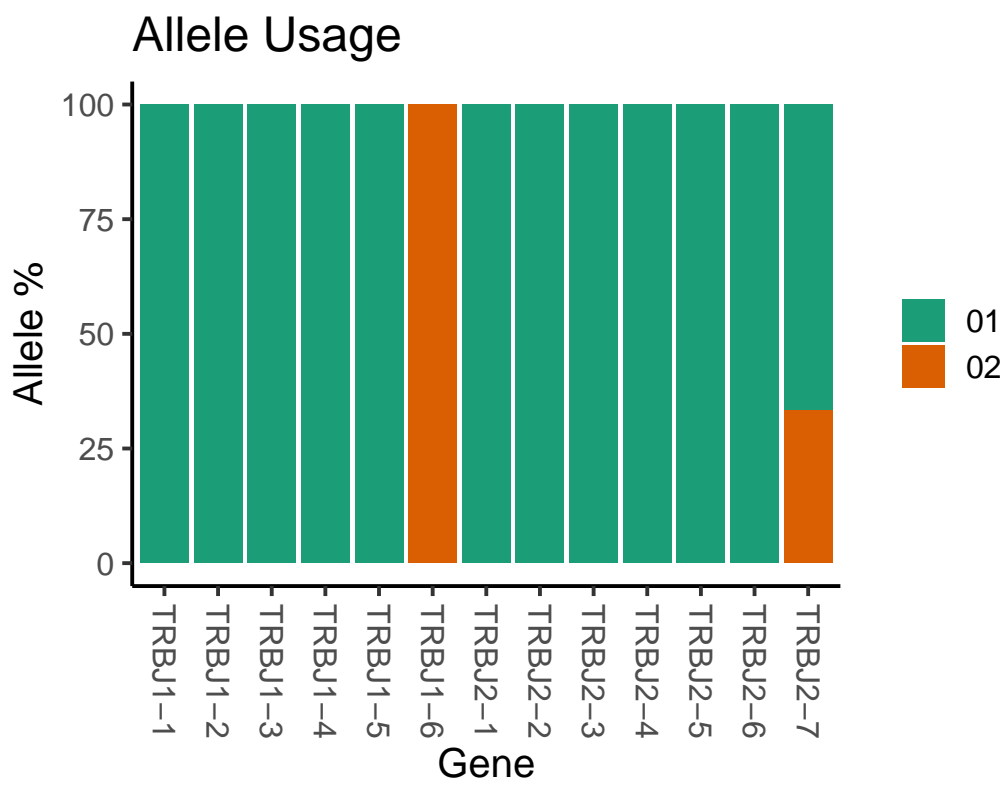


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2–7 allele usage

