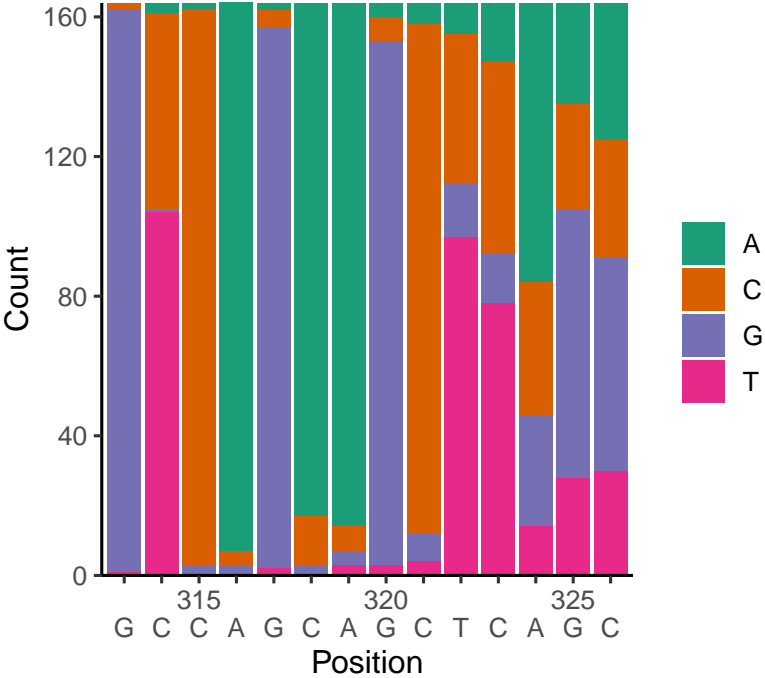


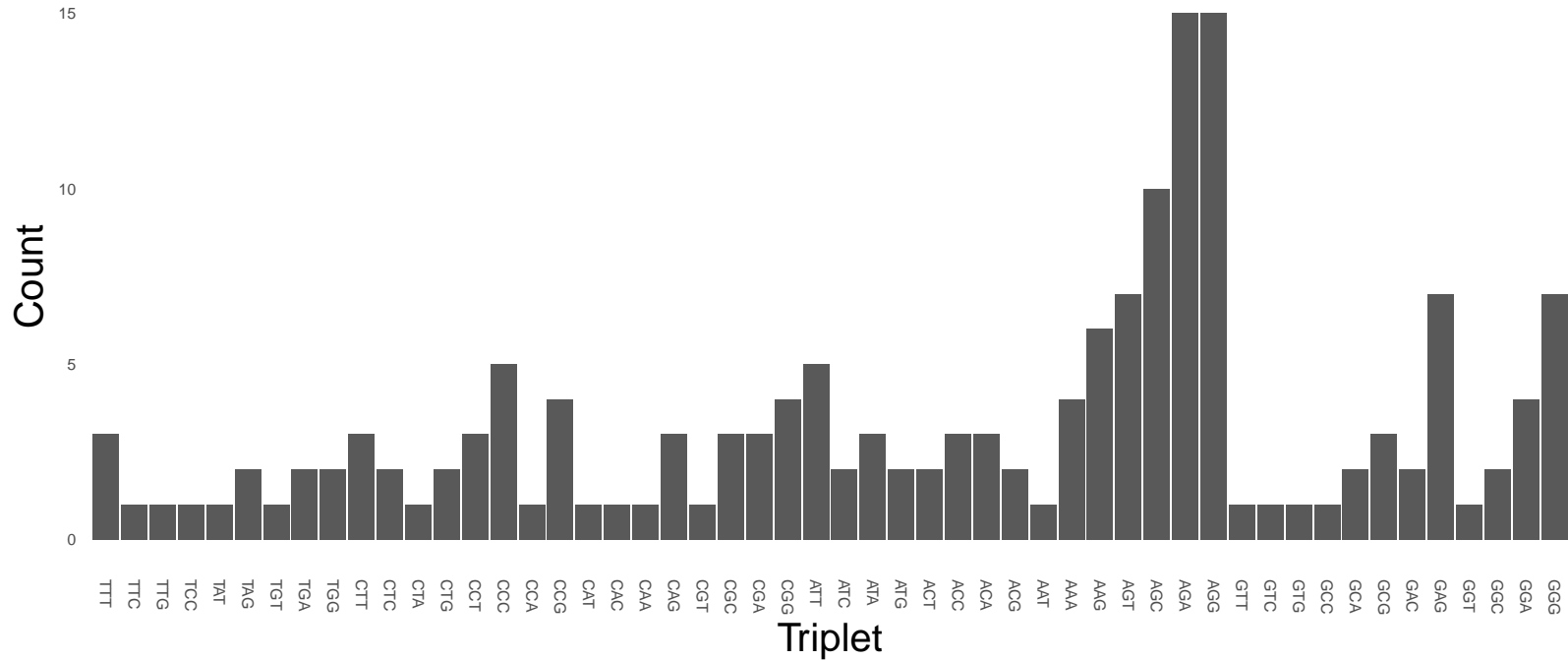
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

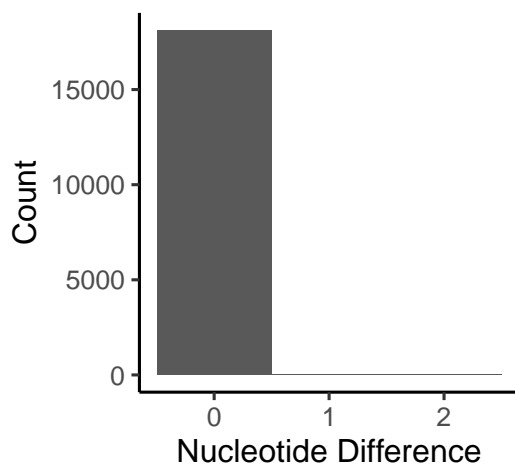


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



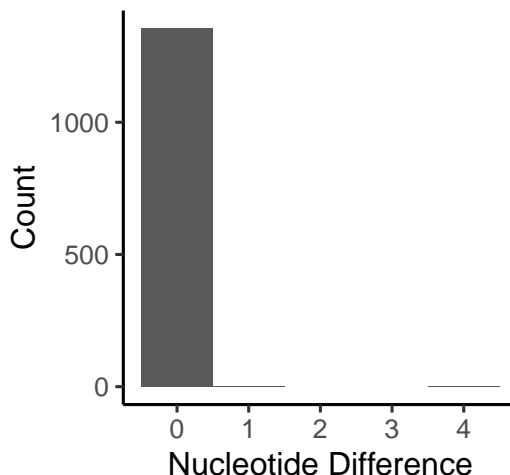
TRBV20-1*ap01

18143 sequences assigned
18123 (99.9%) exact matches, in which:
18118 unique CDR3
12 unique J



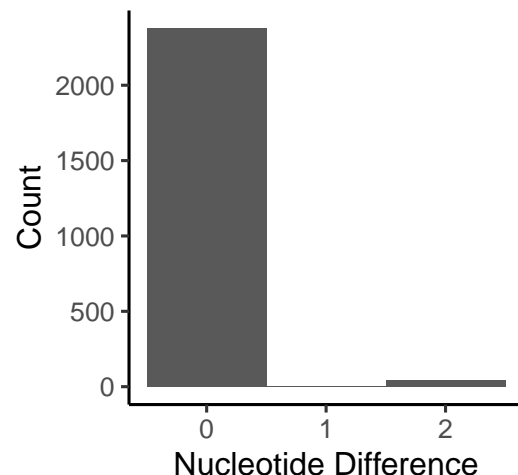
TRBV10-2*ap01

1357 sequences assigned
1355 (99.9%) exact matches, in which:
1355 unique CDR3
12 unique J



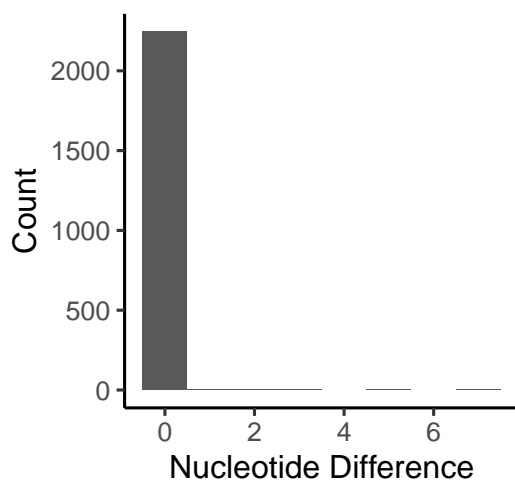
TRBV13*ap01

2426 sequences assigned
2377 (98%) exact matches, in which:
2377 unique CDR3
12 unique J



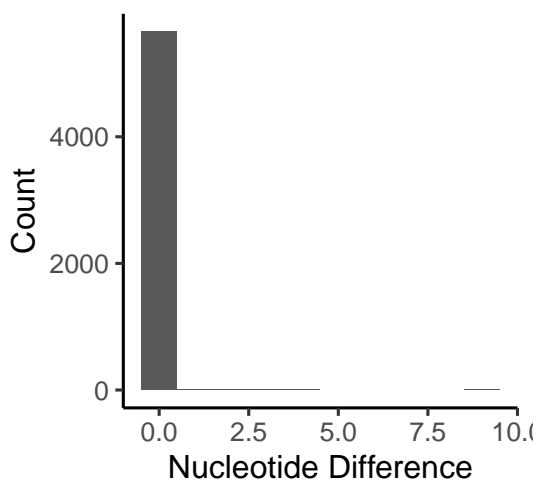
TRBV10-1*ap01

2254 sequences assigned
2245 (99.6%) exact matches, in which:
2245 unique CDR3
12 unique J



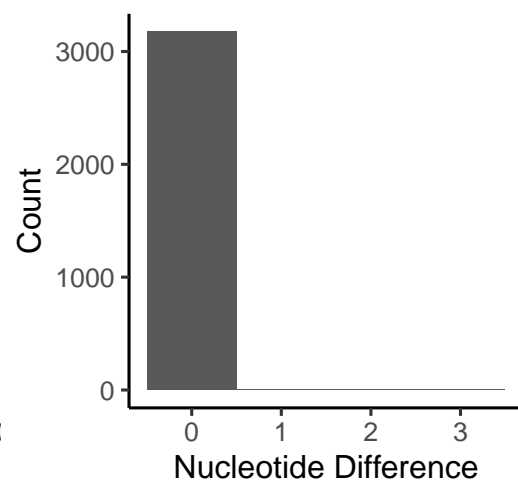
TRBV10-3*ap01

5672 sequences assigned
5659 (99.8%) exact matches, in which:
5659 unique CDR3
12 unique J



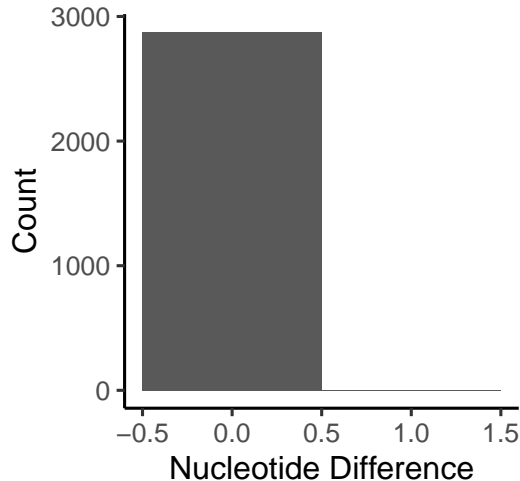
TRBV14*ap01

3181 sequences assigned
3175 (99.8%) exact matches, in which:
3175 unique CDR3
13 unique J



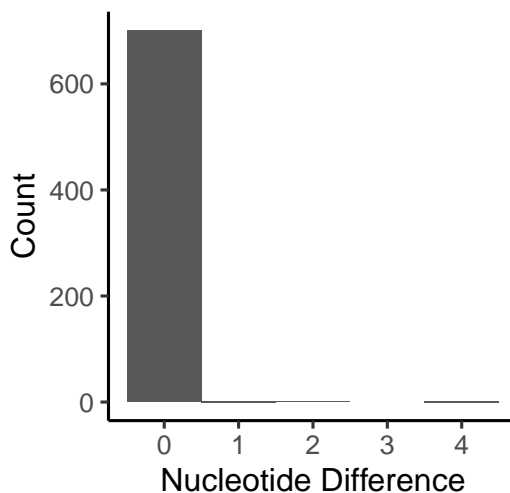
TRBV20-1*ap02

2879 sequences assigned
2875 (99.9%) exact matches, in which:
2875 unique CDR3
12 unique J



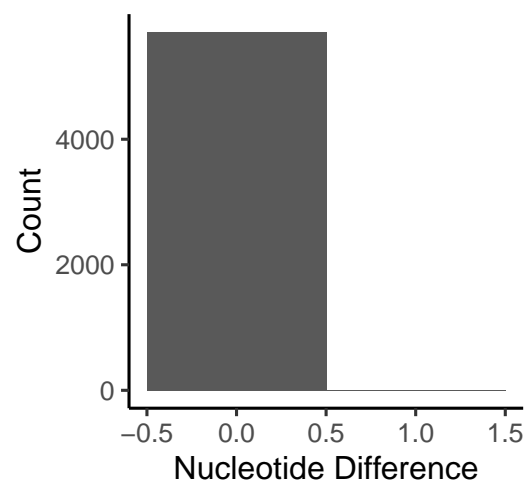
TRBV1*ap01

706 sequences assigned
701 (99.3%) exact matches, in which:
700 unique CDR3
12 unique J



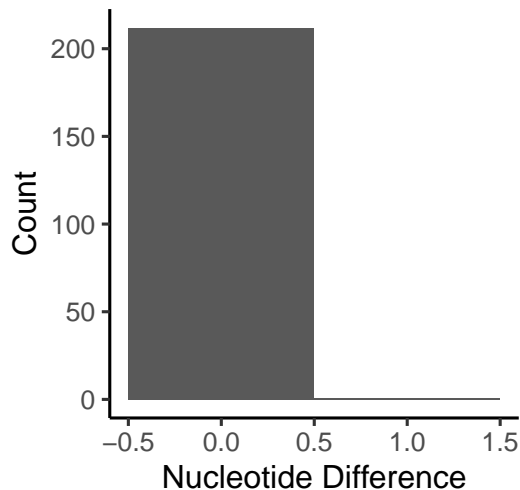
TRBV15*ap02

5710 sequences assigned
5708 (100%) exact matches, in which:
5706 unique CDR3
12 unique J



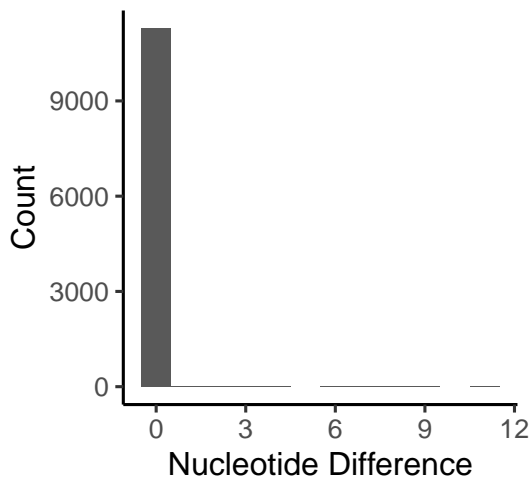
TRBV16*ap01

213 sequences assigned
212 (99.5%) exact matches, in which:
212 unique CDR3
12 unique J



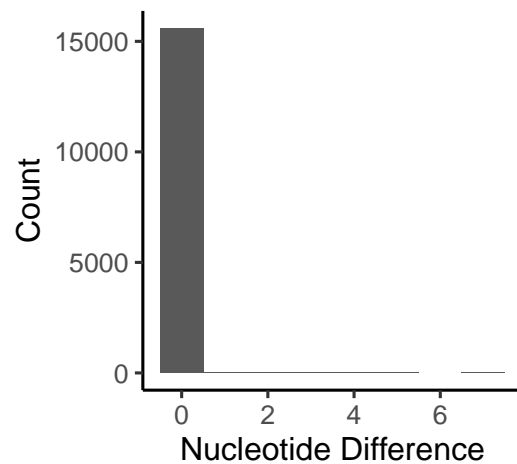
TRBV19*ap01

11317 sequences assigned
11284 (99.7%) exact matches, in which:
11281 unique CDR3
13 unique J



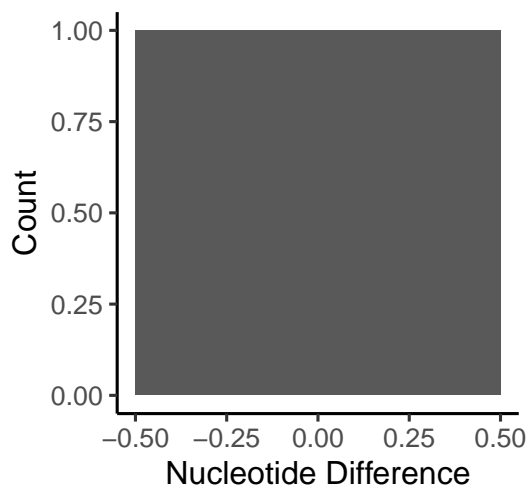
TRBV28*ap01

15635 sequences assigned
15598 (99.8%) exact matches, in which:
15598 unique CDR3
13 unique J



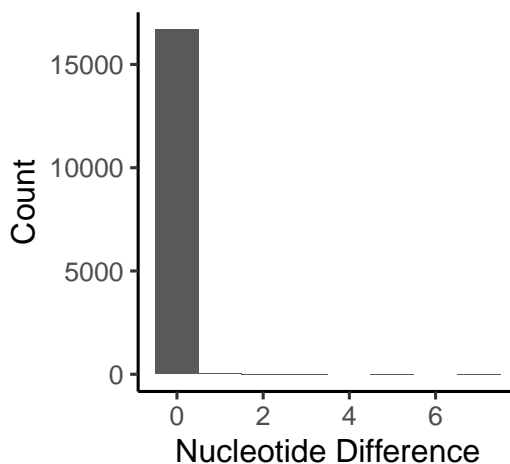
TRBV17*ap01

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



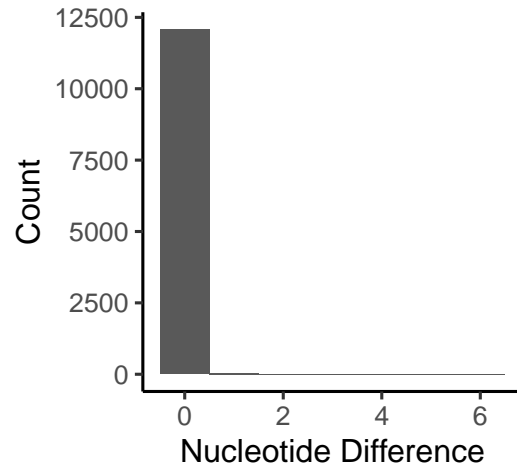
TRBV2*ap01

16733 sequences assigned
16693 (99.8%) exact matches, in which:
16677 unique CDR3
13 unique J



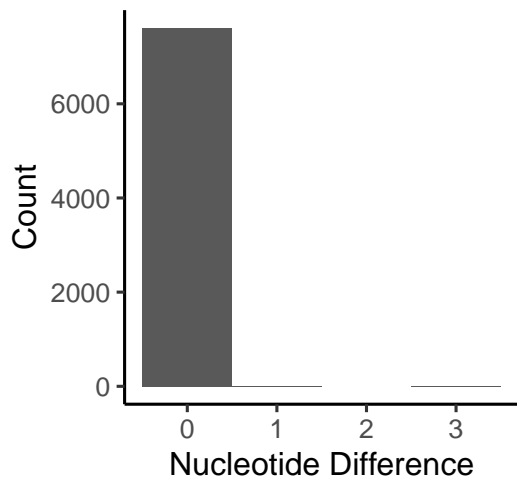
TRBV30*ap01

12128 sequences assigned
12076 (99.6%) exact matches, in which:
12066 unique CDR3
13 unique J



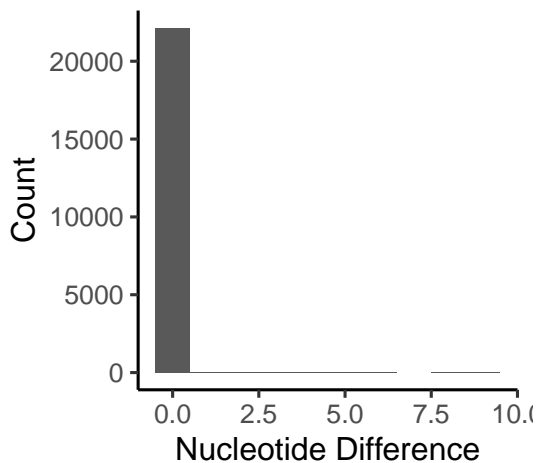
TRBV18*ap01

7620 sequences assigned
7609 (99.9%) exact matches, in which:
7608 unique CDR3
12 unique J



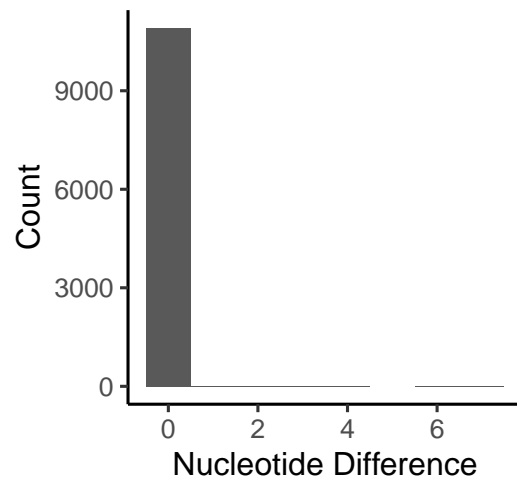
TRBV27*ap01

22211 sequences assigned
22149 (99.7%) exact matches, in which:
22126 unique CDR3
13 unique J



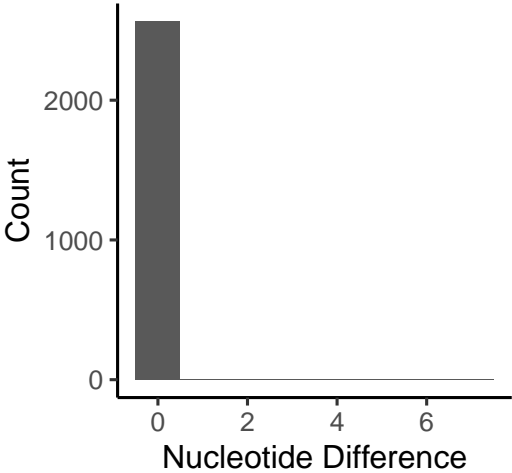
TRBV9*ap01

10929 sequences assigned
10909 (99.8%) exact matches, in which:
10901 unique CDR3
13 unique J



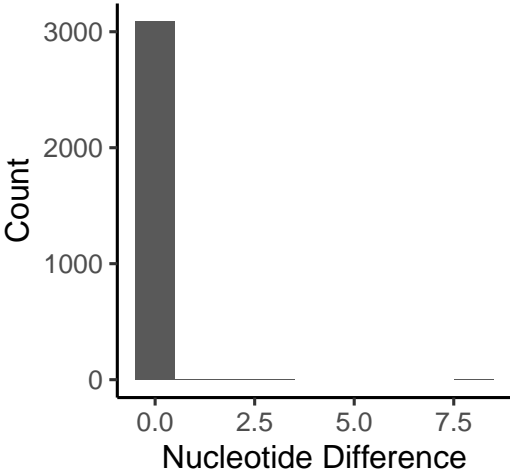
TRBV21-1*ap01

2586 sequences assigned
2564 (99.1%) exact matches, in which:
2564 unique CDR3
12 unique J



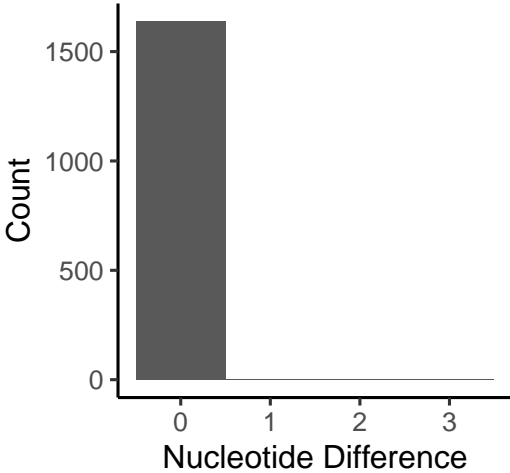
TRBV11-3*ap01

3101 sequences assigned
3089 (99.6%) exact matches, in which:
3089 unique CDR3
13 unique J



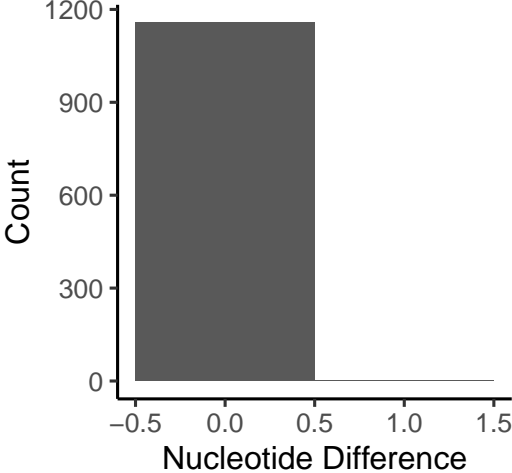
TRBV12-5*ap01

1642 sequences assigned
1638 (99.8%) exact matches, in which:
1638 unique CDR3
12 unique J



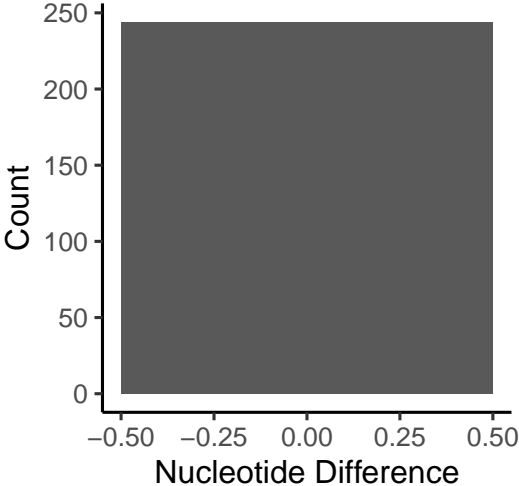
TRBV11-1*ap01

1159 sequences assigned
1157 (99.8%) exact matches, in which:
1157 unique CDR3
12 unique J



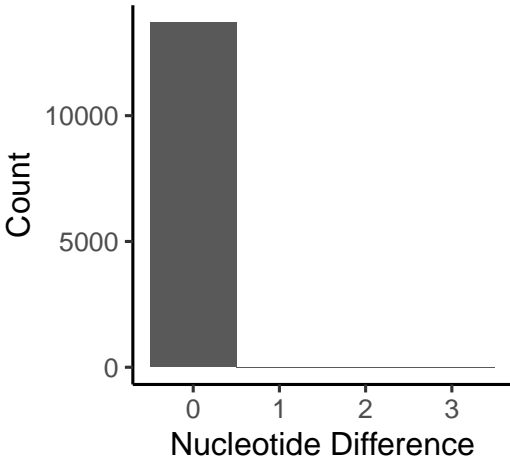
TRBV12-1*ap01

244 sequences assigned
244 (100%) exact matches, in which:
244 unique CDR3
12 unique J



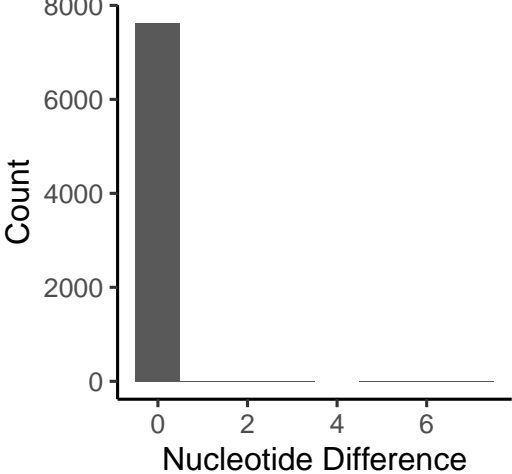
TRBV12-34*ap01

13722 sequences assigned
13704 (99.9%) exact matches, in which:
13702 unique CDR3
12 unique J



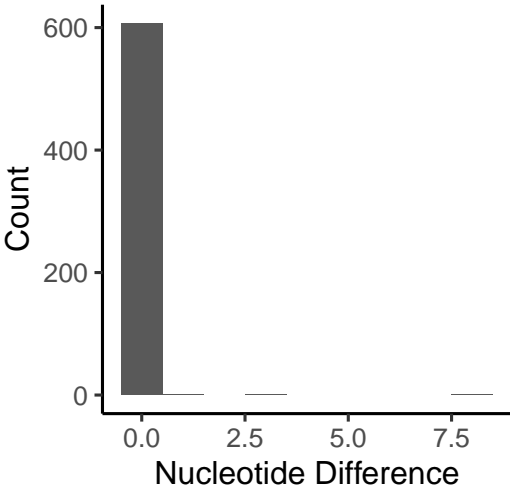
TRBV11-2*ap01

7643 sequences assigned
7624 (99.8%) exact matches, in which:
7624 unique CDR3
12 unique J



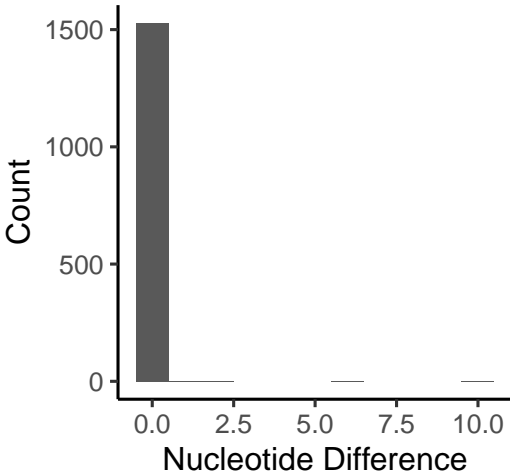
TRBV12-2*ap01

610 sequences assigned
607 (99.5%) exact matches, in which:
607 unique CDR3
12 unique J



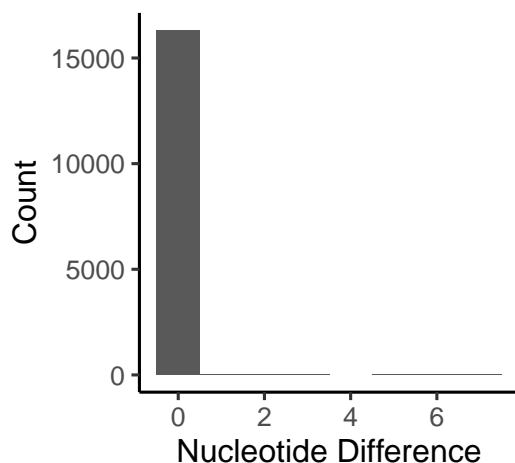
TRBV23-1*ap01

1534 sequences assigned
1528 (99.6%) exact matches, in which:
1526 unique CDR3
13 unique J



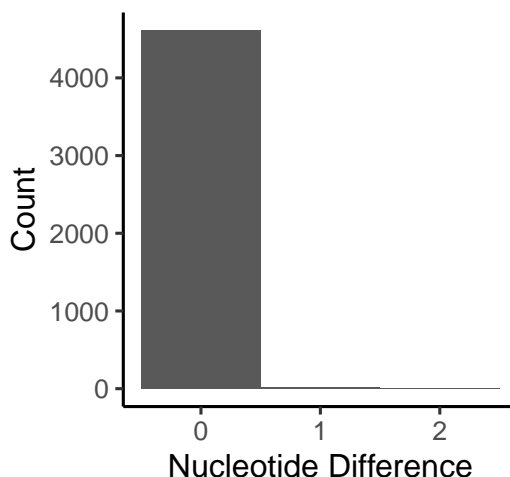
TRBV3-12*ap01

16355 sequences assigned
16318 (99.8%) exact matches, in which:
16287 unique CDR3
13 unique J



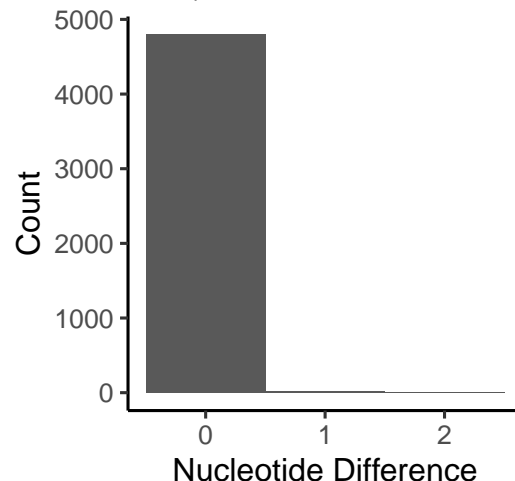
TRBV4-2*ap01

4627 sequences assigned
4611 (99.7%) exact matches, in which:
4611 unique CDR3
12 unique J



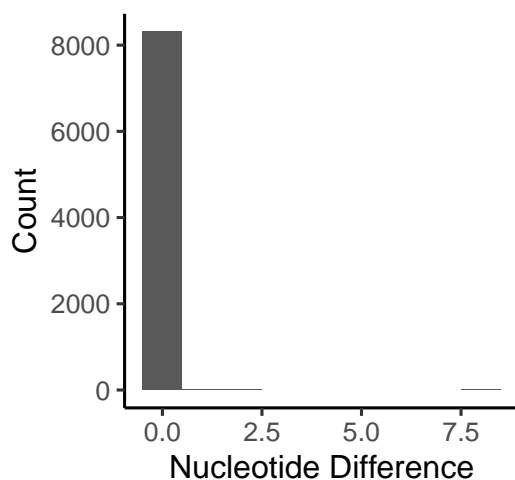
TRBV25-1*ap01

4820 sequences assigned
4799 (99.6%) exact matches, in which:
4781 unique CDR3
13 unique J



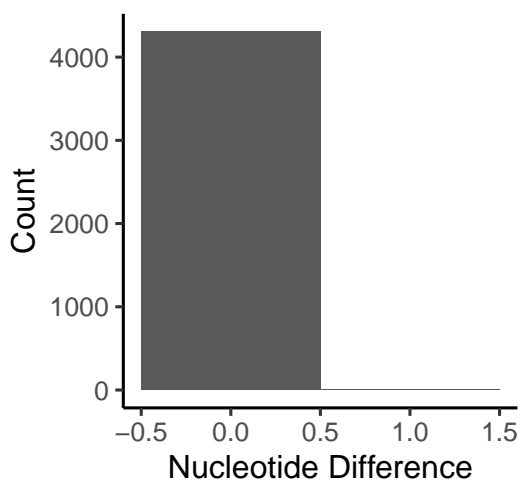
TRBV4-1*ap01

8323 sequences assigned
8311 (99.9%) exact matches, in which:
8311 unique CDR3
12 unique J



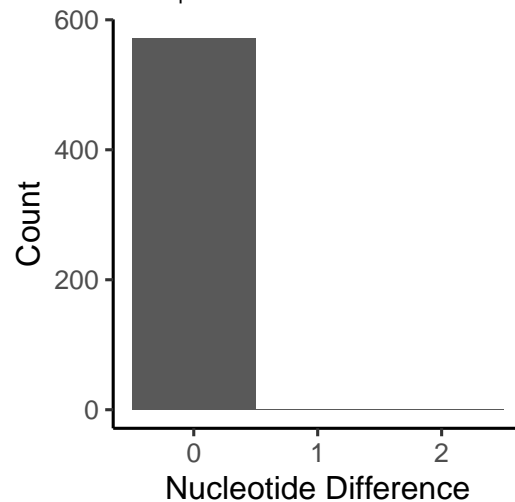
TRBV4-3*ap01

4314 sequences assigned
4305 (99.8%) exact matches, in which:
4301 unique CDR3
13 unique J



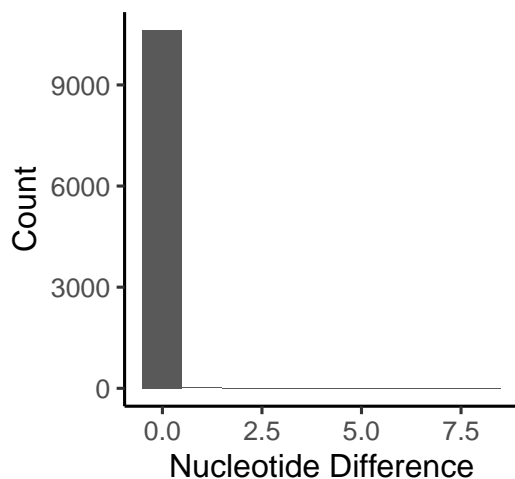
TRBV5-3*ap01

574 sequences assigned
572 (99.7%) exact matches, in which:
572 unique CDR3
12 unique J



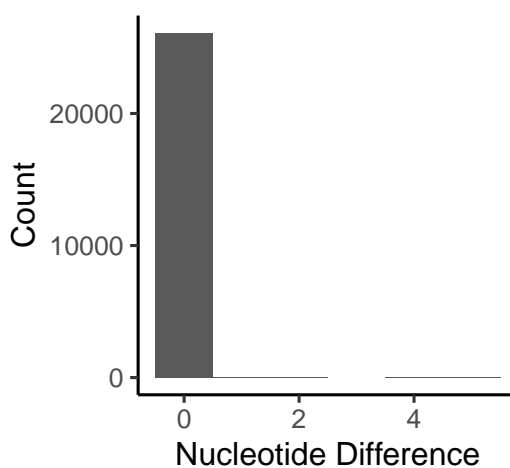
TRBV24-1*ap01

10671 sequences assigned
10628 (99.6%) exact matches, in which:
10611 unique CDR3
14 unique J



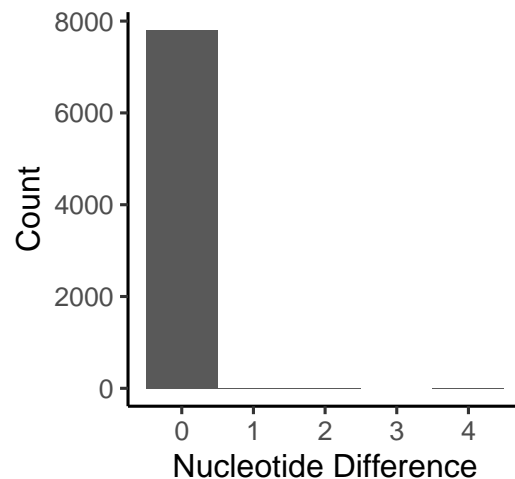
TRBV5-1*ap01

26155 sequences assigned
26113 (99.8%) exact matches, in which:
26088 unique CDR3
12 unique J



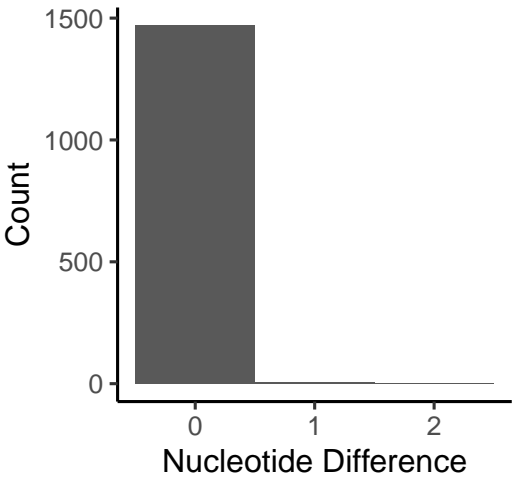
TRBV5-4*ap01

7820 sequences assigned
7805 (99.8%) exact matches, in which:
7802 unique CDR3
13 unique J



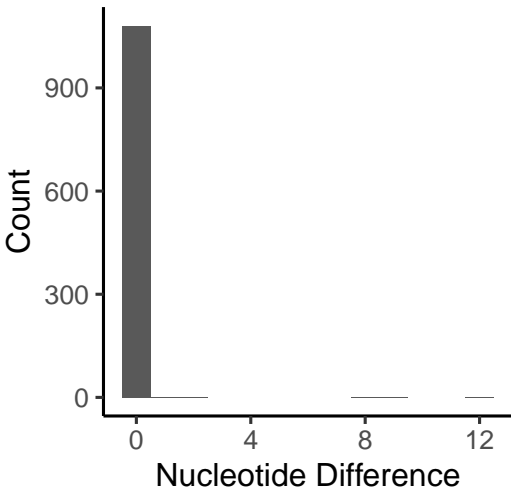
TRBV5-5*ap01

1477 sequences assigned
1470 (99.5%) exact matches, in which:
1466 unique CDR3
12 unique J



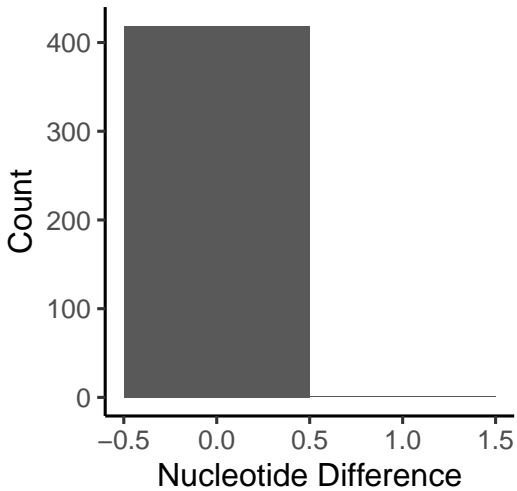
TRBV5-8*ap01

1087 sequences assigned
1081 (99.4%) exact matches, in which:
1081 unique CDR3
13 unique J



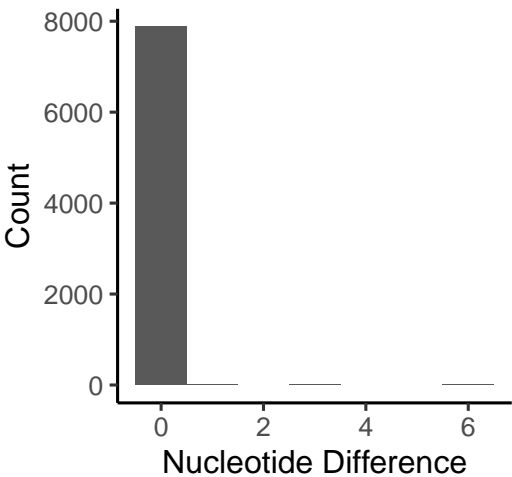
TRBV6-7*ap01

420 sequences assigned
419 (99.8%) exact matches, in which:
419 unique CDR3
12 unique J



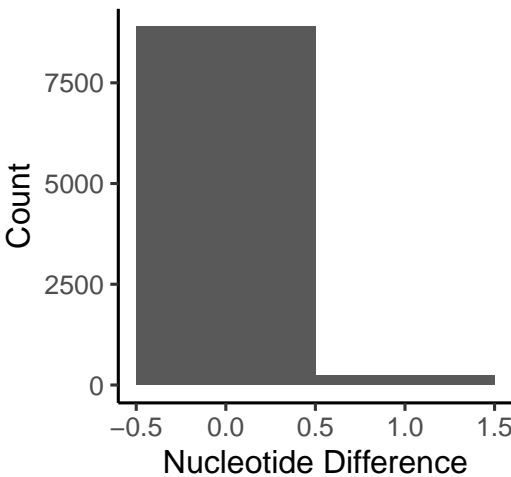
TRBV5-6*ap01

7896 sequences assigned
7879 (99.8%) exact matches, in which:
7867 unique CDR3
12 unique J



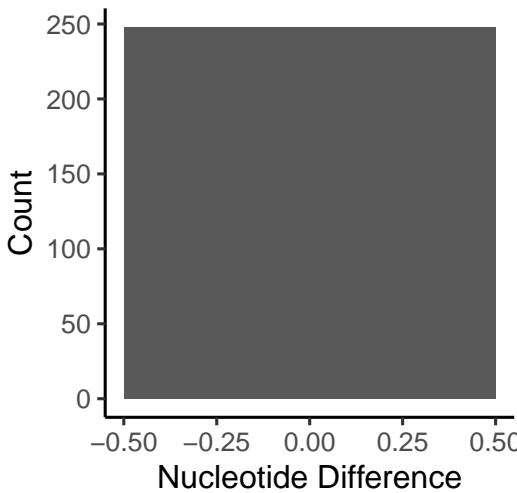
TRBV6-1*ap01

9139 sequences assigned
8892 (97.3%) exact matches, in which:
8889 unique CDR3
12 unique J



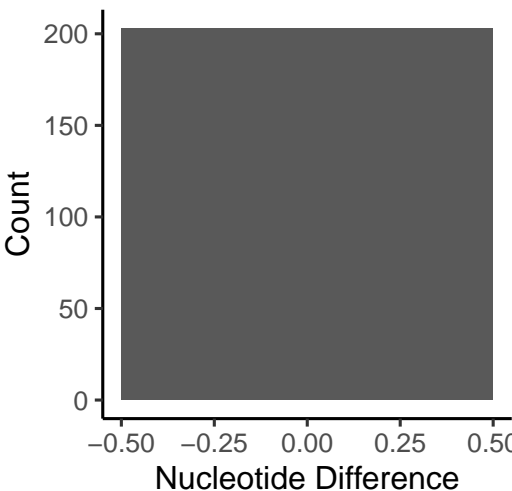
TRBV6-8*ap01

248 sequences assigned
248 (100%) exact matches, in which:
248 unique CDR3
12 unique J



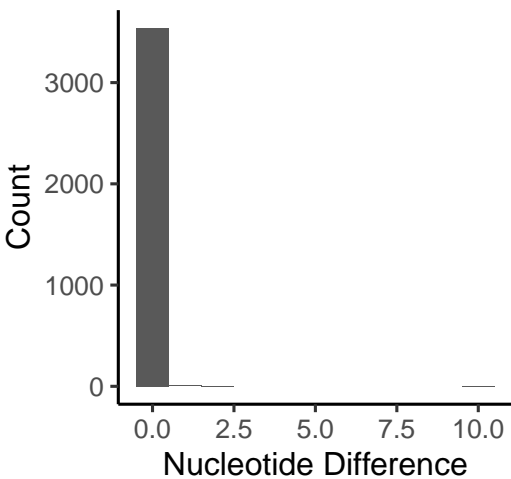
TRBV5-7*ap01

203 sequences assigned
203 (100%) exact matches, in which:
203 unique CDR3
12 unique J



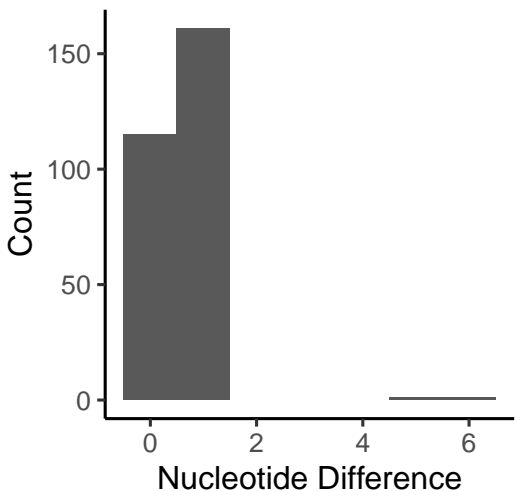
TRBV6-4*ap01

3552 sequences assigned
3539 (99.6%) exact matches, in which:
3538 unique CDR3
13 unique J



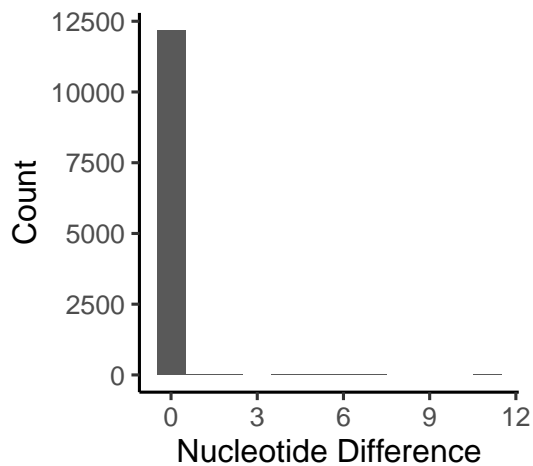
TRBV6-9*ap01

278 sequences assigned
115 (41.4%) exact matches, in which:
115 unique CDR3
12 unique J



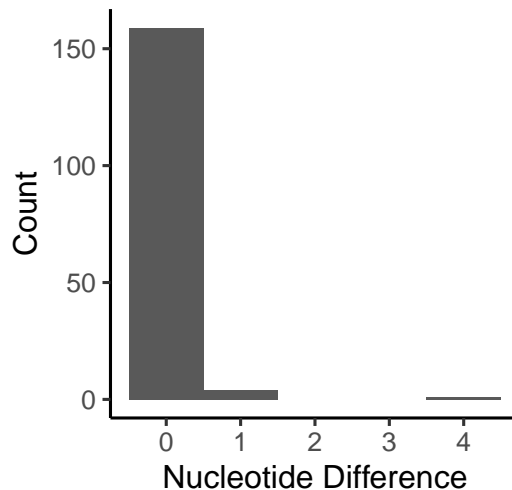
TRBV6-23*ap01

12213 sequences assigned
12185 (99.8%) exact matches, in which:
12178 unique CDR3
13 unique J



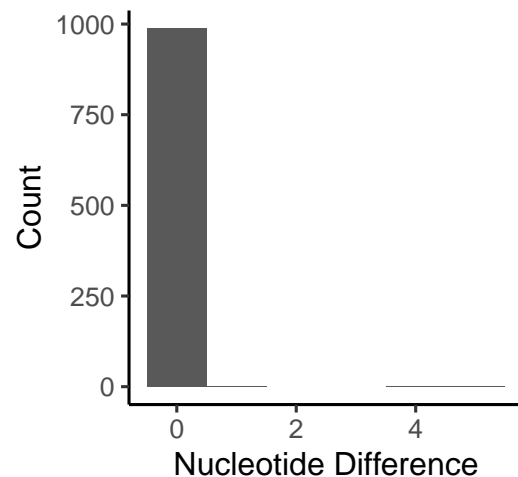
TRBV7-1*ap01_G291C_

164 sequences assigned
159 (97%) exact matches, in which:
159 unique CDR3
12 unique J



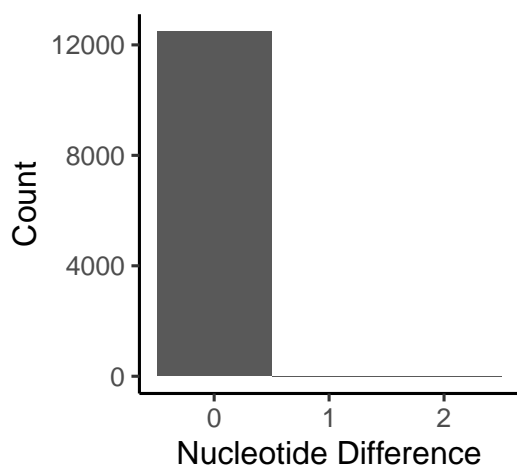
TRBV7-3*ap03

992 sequences assigned
988 (99.6%) exact matches, in which:
988 unique CDR3
12 unique J



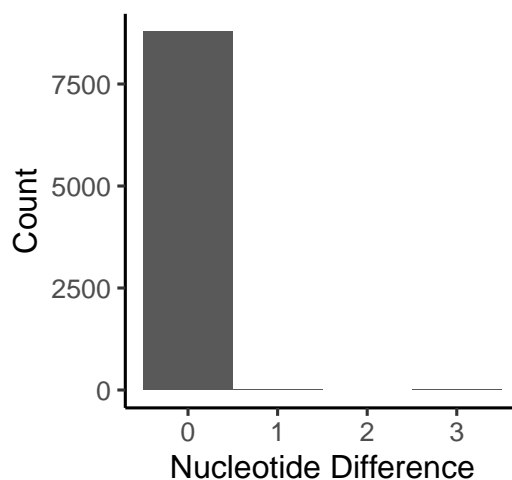
TRBV6-56*ap01

12504 sequences assigned
12486 (99.9%) exact matches, in which:
12478 unique CDR3
12 unique J



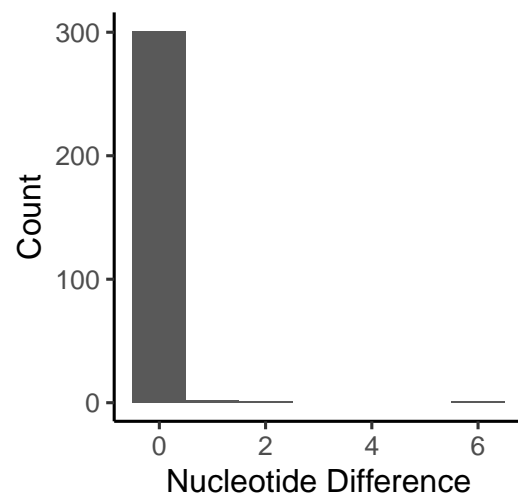
TRBV7-2*ap01

8799 sequences assigned
8782 (99.8%) exact matches, in which:
8781 unique CDR3
12 unique J



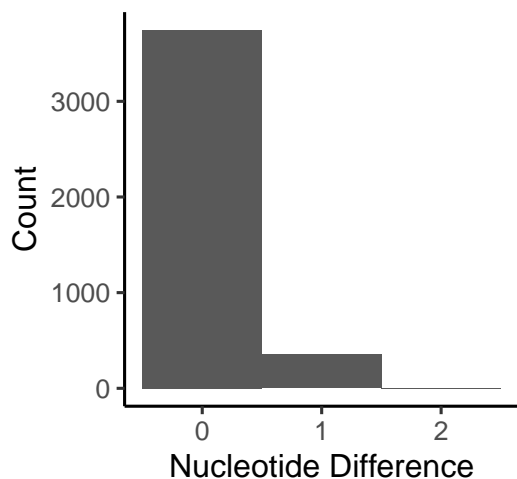
TRBV7-4*ap01

305 sequences assigned
301 (98.7%) exact matches, in which:
301 unique CDR3
12 unique J



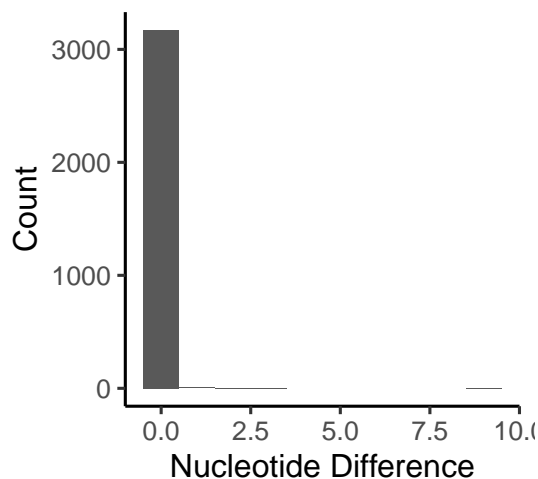
TRBV6-56*ap02

4099 sequences assigned
3745 (91.4%) exact matches, in which:
3744 unique CDR3
12 unique J



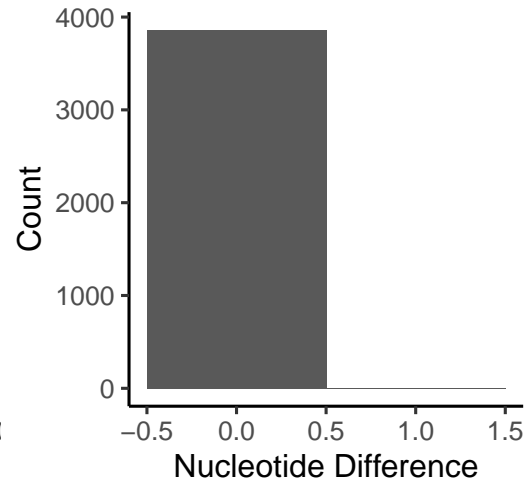
TRBV7-3*ap01

3184 sequences assigned
3171 (99.6%) exact matches, in which:
3162 unique CDR3
12 unique J



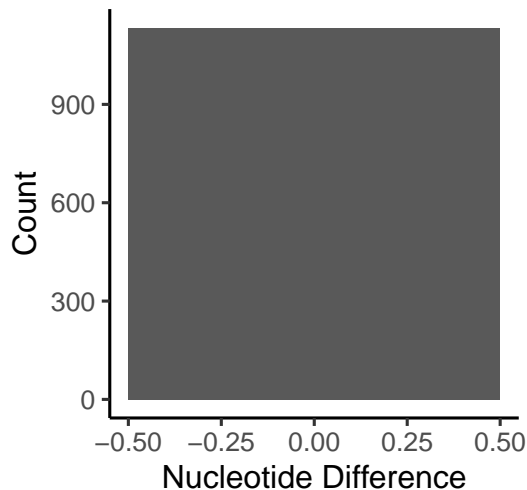
TRBV7-6*ap01

3866 sequences assigned
3860 (99.8%) exact matches, in which:
3859 unique CDR3
12 unique J



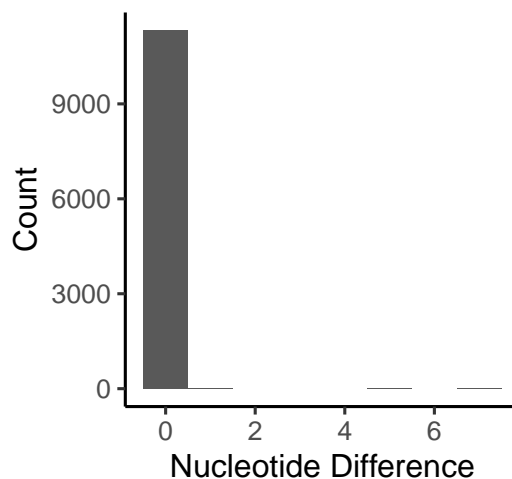
TRBV7-7*ap01

1134 sequences assigned
1134 (100%) exact matches, in which:
1134 unique CDR3
12 unique J



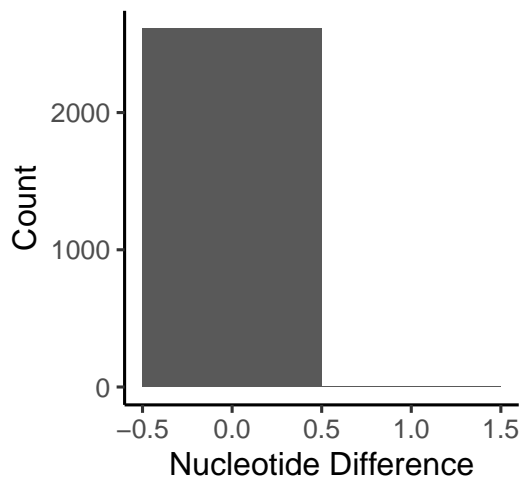
TRBV7-9*ap01

11338 sequences assigned
11322 (99.9%) exact matches, in which:
11322 unique CDR3
12 unique J



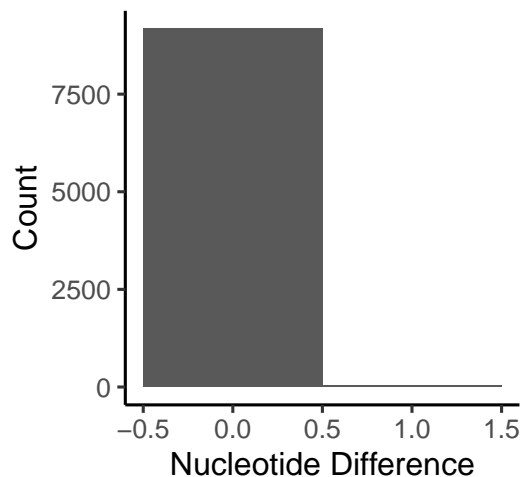
TRBV7-8*ap01

2613 sequences assigned
2611 (99.9%) exact matches, in which:
2611 unique CDR3
12 unique J



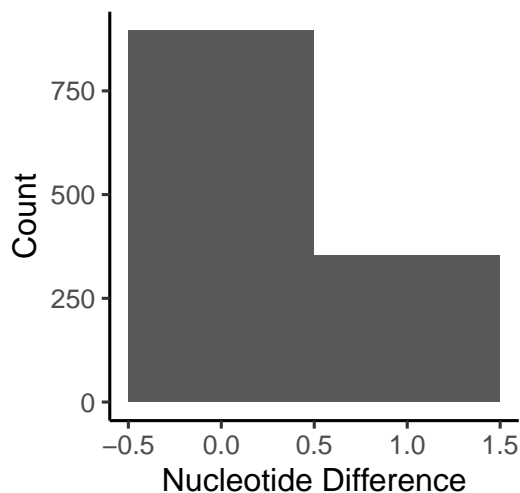
TRBV29-1*ap01

9205 sequences assigned
9175 (99.7%) exact matches, in which:
9142 unique CDR3
12 unique J



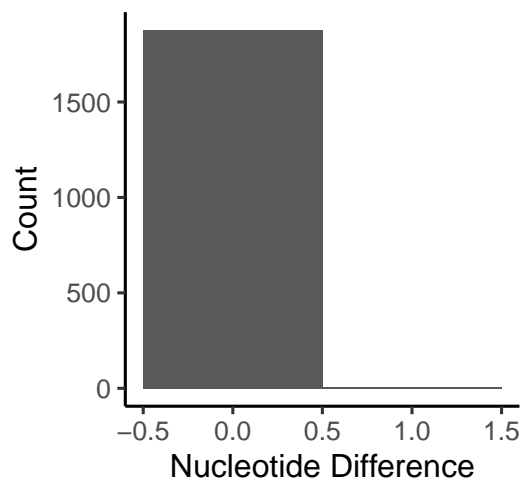
TRBV7-8*ap03

1250 sequences assigned
896 (71.7%) exact matches, in which:
896 unique CDR3
12 unique J



TRBV29-1*ap02

1885 sequences assigned
1877 (99.6%) exact matches, in which:
1872 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C

