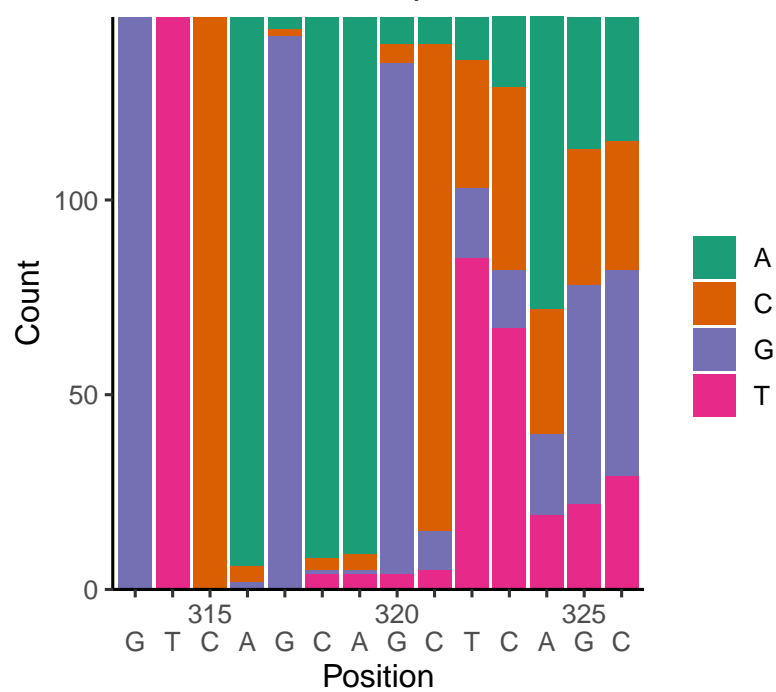
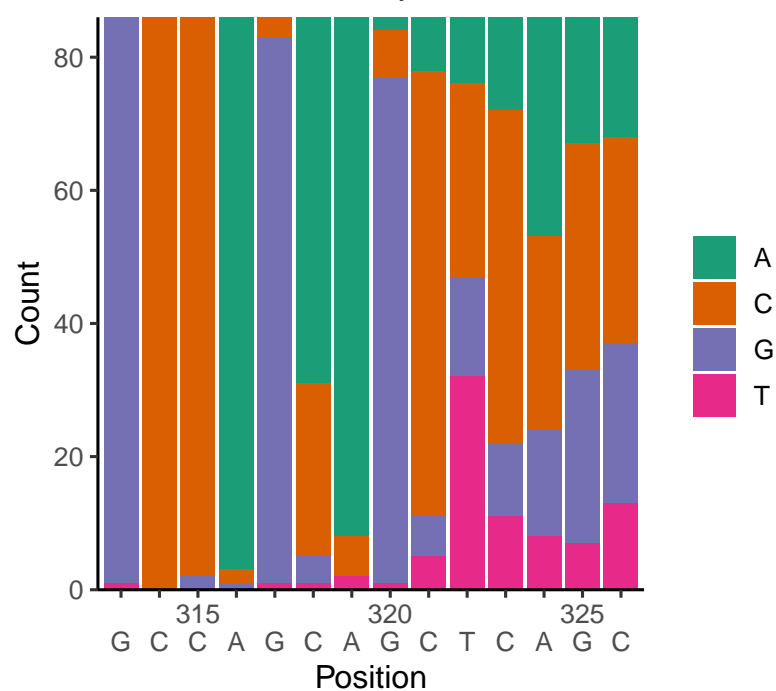


Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



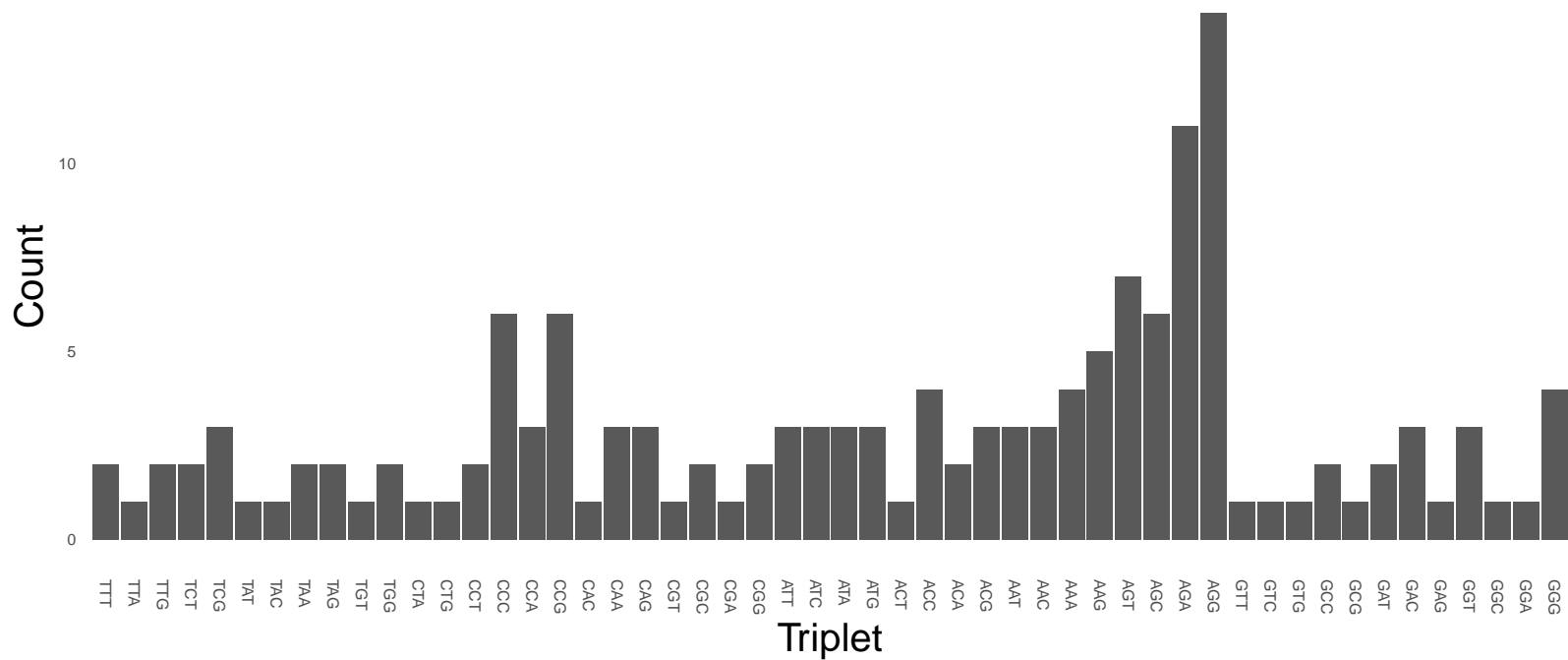
Gene TRBV7-1*ap01_T296C_C314T



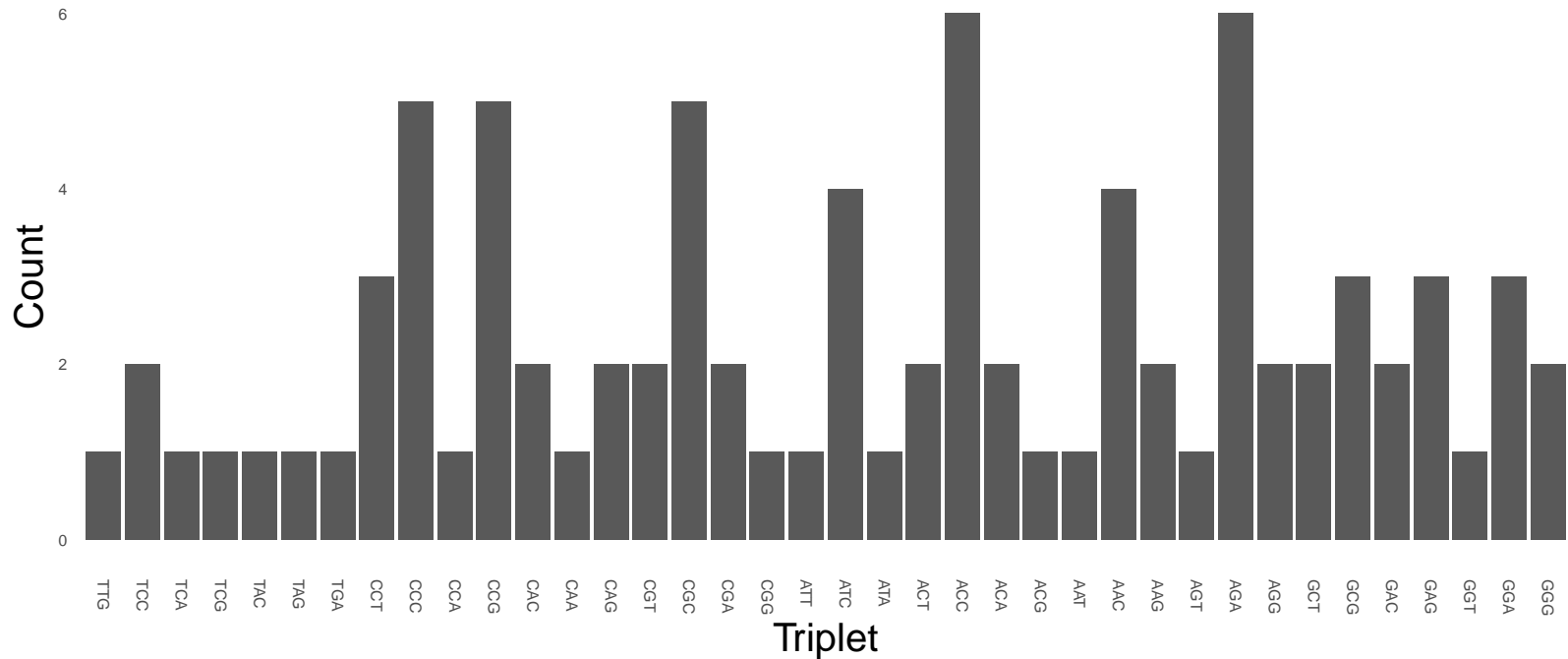
Gene TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C- C314T- Final 3 nucleotides as a triplet

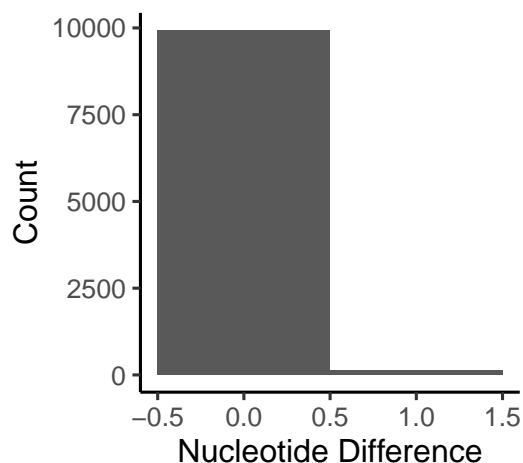


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



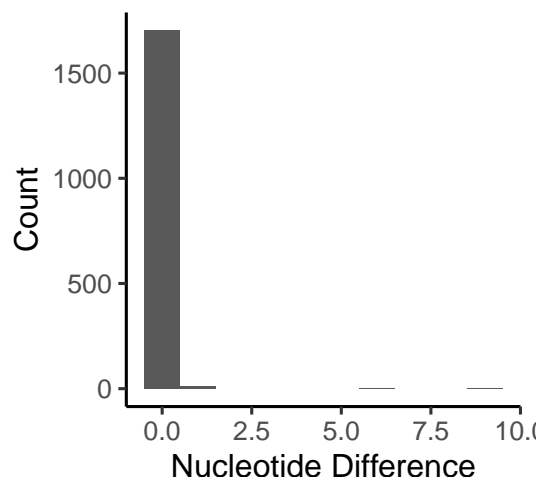
TRBV20-1*ap01

10057 sequences assigned
9936 (98.8%) exact matches, in which:
9836 unique CDR3
14 unique J



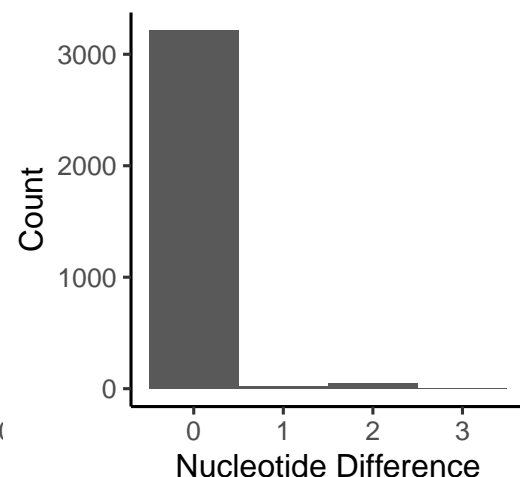
TRBV10-2*ap01

1716 sequences assigned
1703 (99.2%) exact matches, in which:
1684 unique CDR3
14 unique J



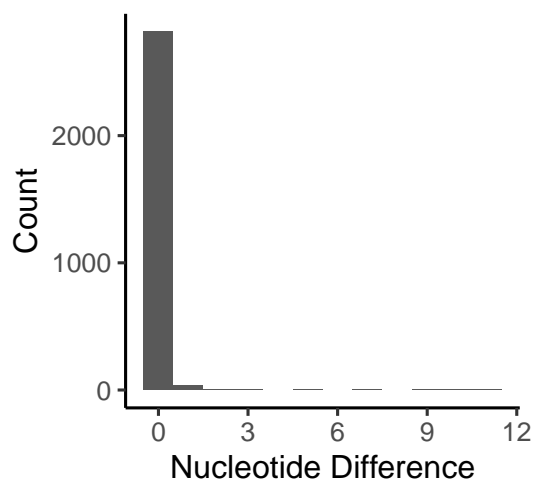
TRBV13*ap01

3285 sequences assigned
3214 (97.8%) exact matches, in which:
3152 unique CDR3
14 unique J



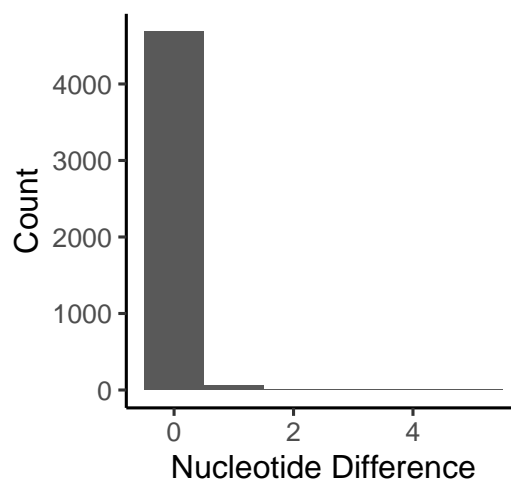
TRBV10-1*ap01

2862 sequences assigned
2817 (98.4%) exact matches, in which:
2763 unique CDR3
14 unique J



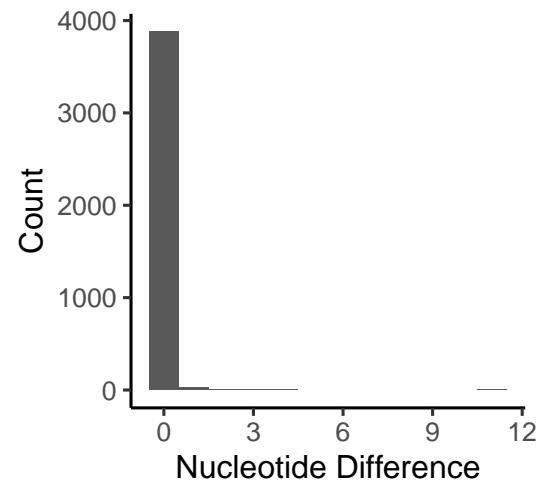
TRBV10-3*ap01

4753 sequences assigned
4683 (98.5%) exact matches, in which:
4609 unique CDR3
14 unique J



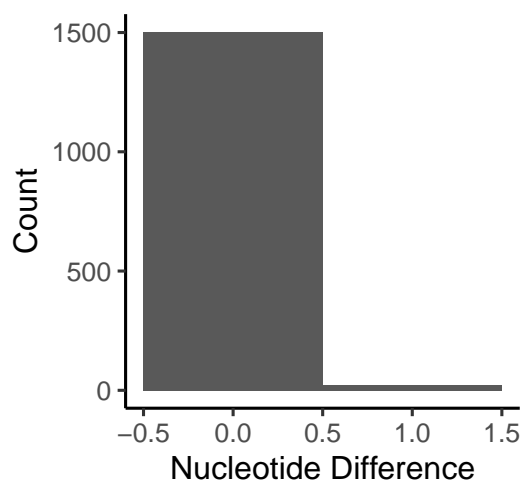
TRBV14*ap01

3917 sequences assigned
3879 (99%) exact matches, in which:
3844 unique CDR3
14 unique J



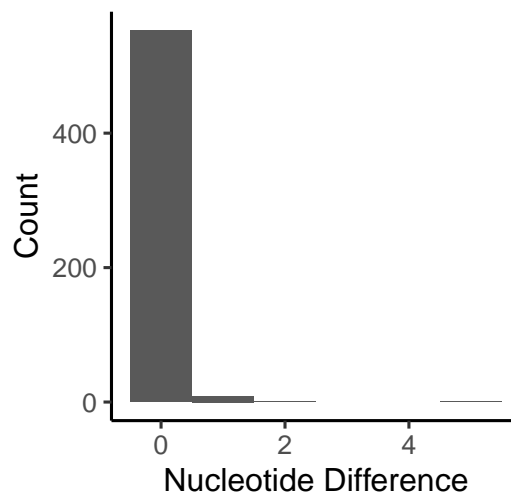
TRBV20-1*ap02

1524 sequences assigned
1502 (98.6%) exact matches, in which:
1483 unique CDR3
14 unique J



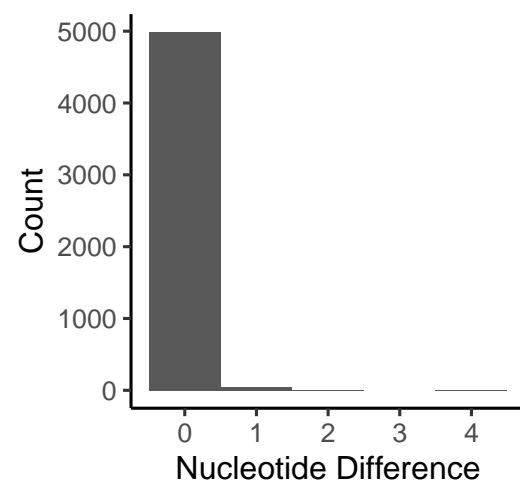
TRBV1*ap01

564 sequences assigned
553 (98%) exact matches, in which:
542 unique CDR3
14 unique J



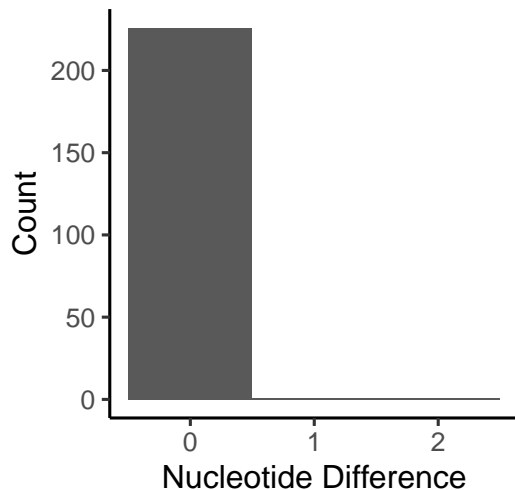
TRBV15*ap02

5039 sequences assigned
4988 (99%) exact matches, in which:
4922 unique CDR3
14 unique J



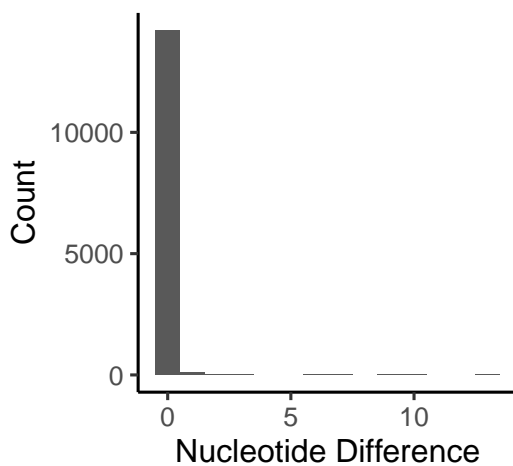
TRBV16*ap01

228 sequences assigned
226 (99.1%) exact matches, in which:
224 unique CDR3
14 unique J



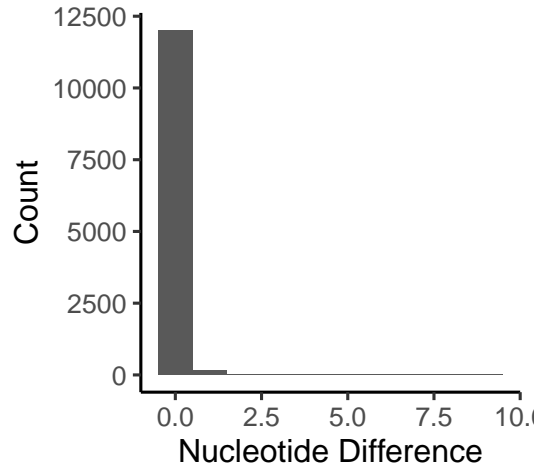
TRBV19*ap01

14347 sequences assigned
14214 (99.1%) exact matches, in which:
14153 unique CDR3
14 unique J



TRBV27*ap01

12172 sequences assigned
12014 (98.7%) exact matches, in which:
11812 unique CDR3
14 unique J



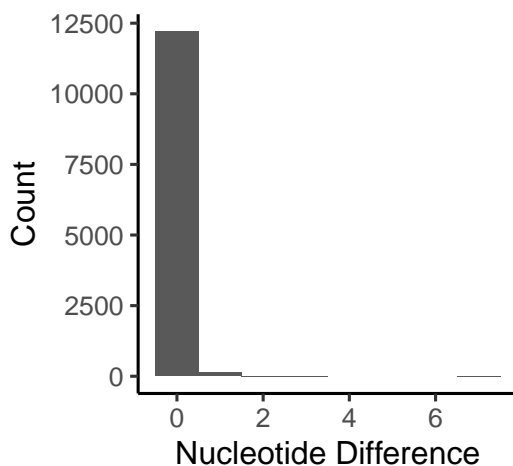
TRBV17*ap01

1 sequences assigned
No exact matches.



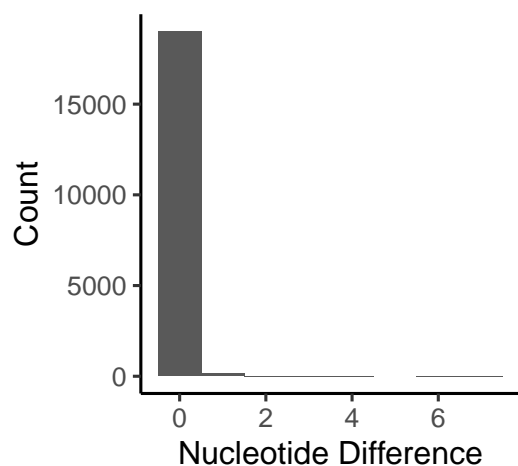
TRBV2*ap01

12354 sequences assigned
12207 (98.8%) exact matches, in which:
12030 unique CDR3
14 unique J



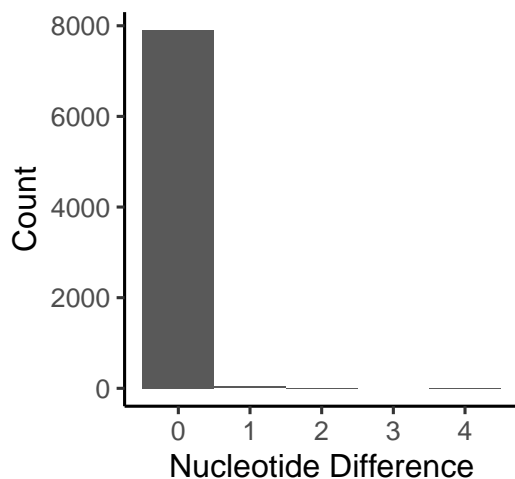
TRBV28*ap01

19166 sequences assigned
19006 (99.2%) exact matches, in which:
18830 unique CDR3
14 unique J



TRBV18*ap01

7949 sequences assigned
7905 (99.4%) exact matches, in which:
7875 unique CDR3
14 unique J



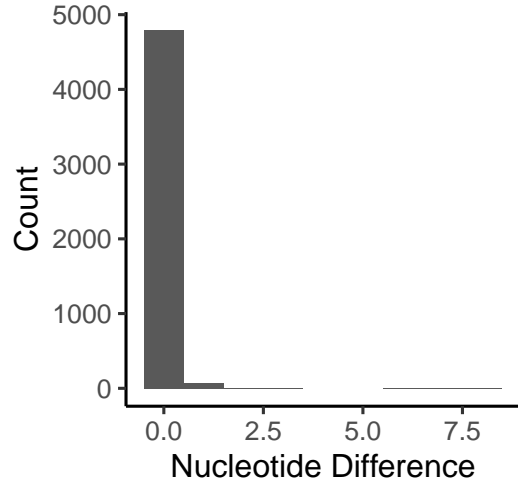
TRBV26*ap01

1 sequences assigned
No exact matches.



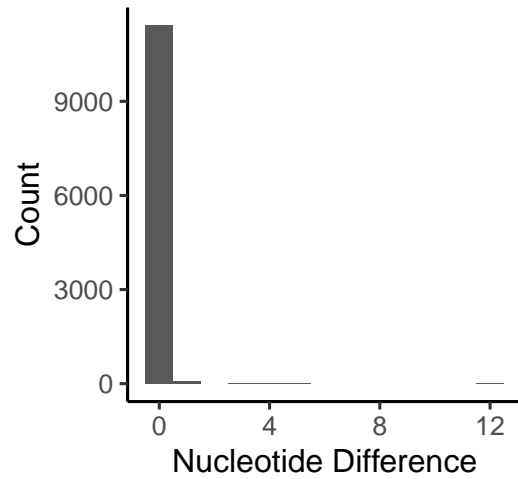
TRBV30*ap02

4880 sequences assigned
4794 (98.2%) exact matches, in which:
4706 unique CDR3
14 unique J



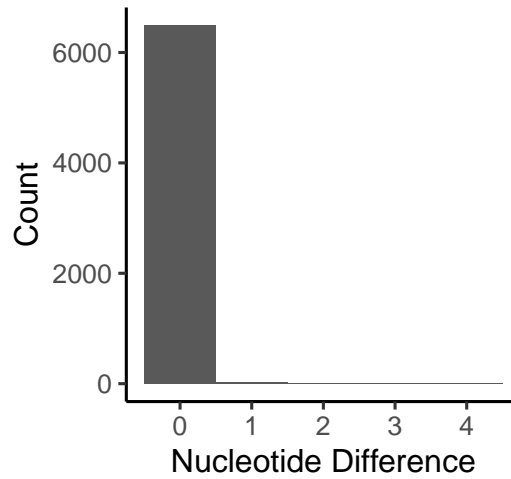
TRBV9*ap01

11516 sequences assigned
11421 (99.2%) exact matches, in which:
11306 unique CDR3
14 unique J



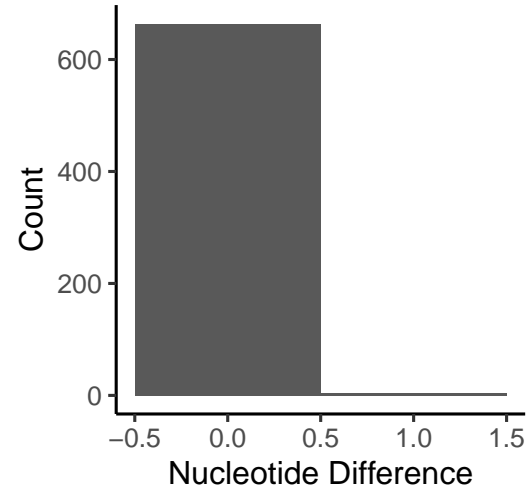
TRBV11-2*ap01

6522 sequences assigned
6491 (99.5%) exact matches, in which:
6448 unique CDR3
14 unique J



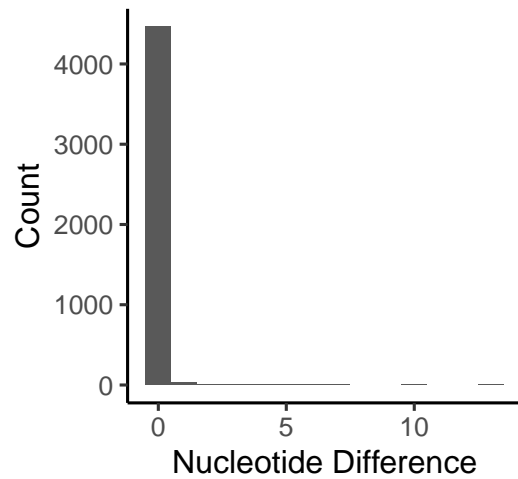
TRBV12-2*ap01

668 sequences assigned
664 (99.4%) exact matches, in which:
655 unique CDR3
14 unique J



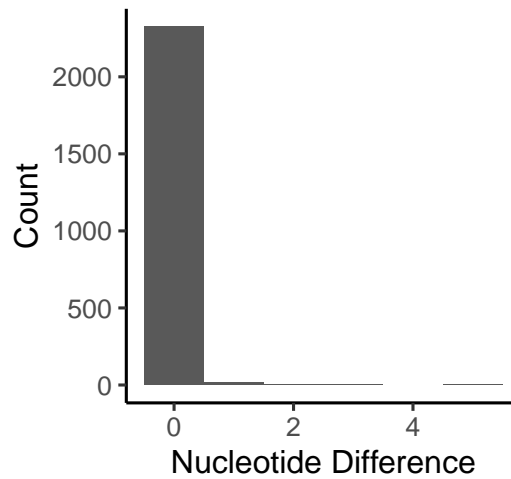
TRBV21-1*ap01

4512 sequences assigned
4464 (98.9%) exact matches, in which:
4422 unique CDR3
14 unique J



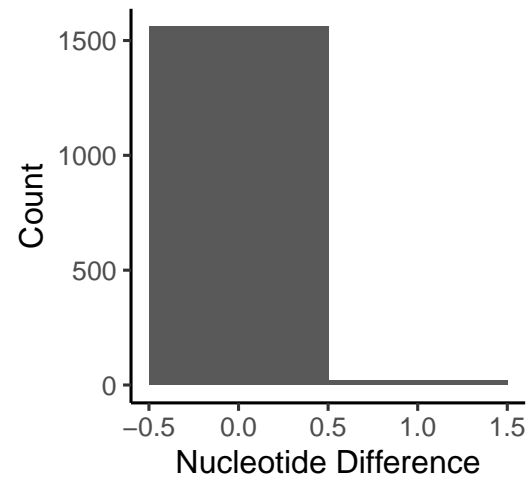
TRBV11-3*ap01

2342 sequences assigned
2325 (99.3%) exact matches, in which:
2306 unique CDR3
14 unique J



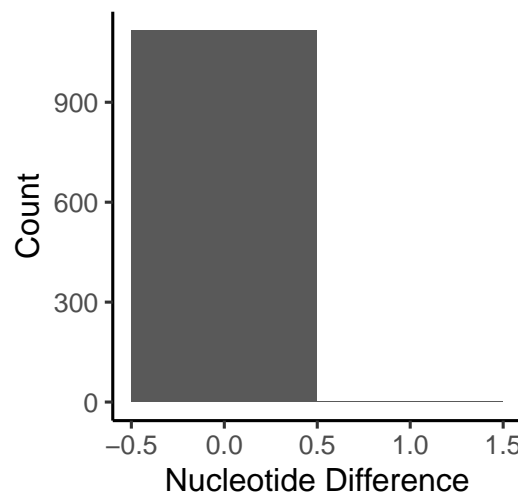
TRBV12-5*ap01

1579 sequences assigned
1560 (98.8%) exact matches, in which:
1541 unique CDR3
14 unique J



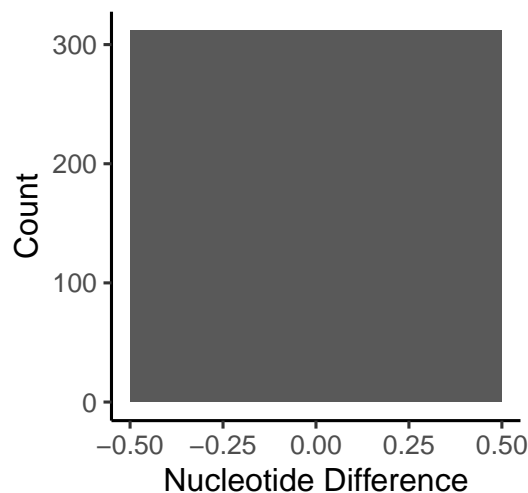
TRBV11-1*ap01

1119 sequences assigned
1116 (99.7%) exact matches, in which:
1100 unique CDR3
14 unique J



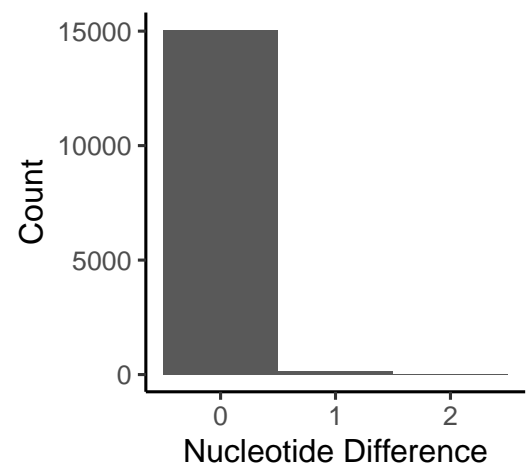
TRBV12-1*ap01

312 sequences assigned
312 (100%) exact matches, in which:
306 unique CDR3
14 unique J



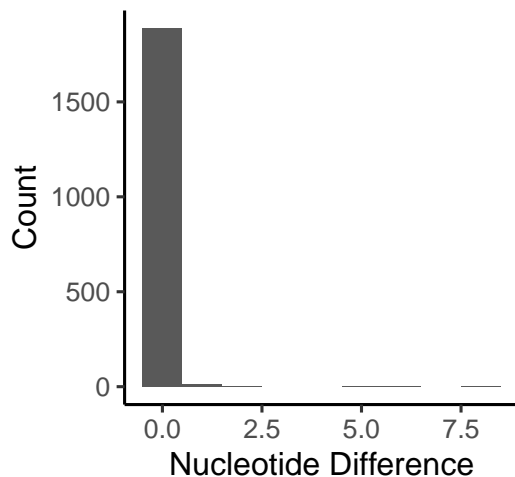
TRBV12-34*ap01

15211 sequences assigned
15059 (99%) exact matches, in which:
14861 unique CDR3
14 unique J



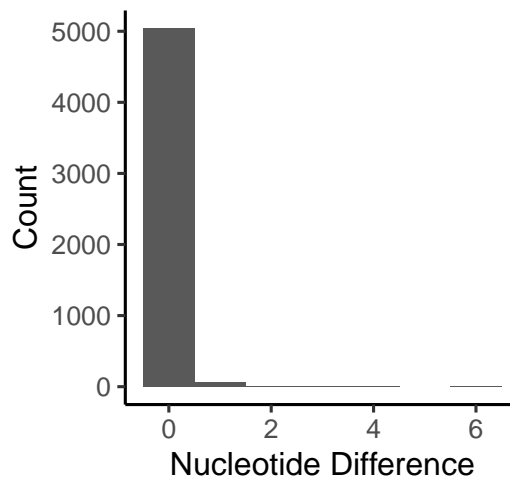
TRBV23-1*ap01

1907 sequences assigned
1887 (99%) exact matches, in which:
1866 unique CDR3
14 unique J



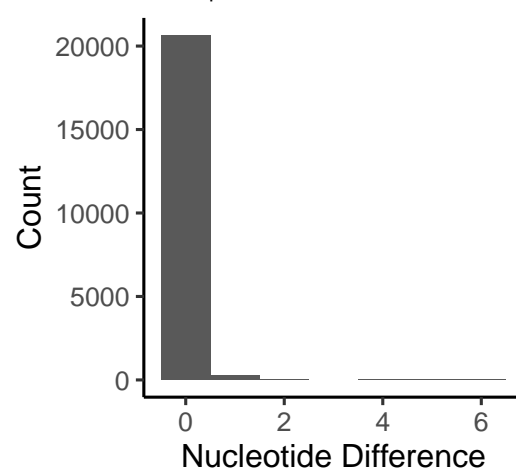
TRBV24-1*ap01

5113 sequences assigned
5040 (98.6%) exact matches, in which:
4964 unique CDR3
14 unique J



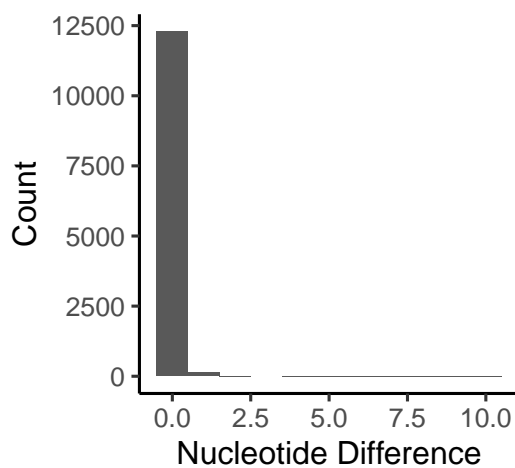
TRBV5-1*ap01

20907 sequences assigned
20653 (98.8%) exact matches, in which:
20280 unique CDR3
14 unique J



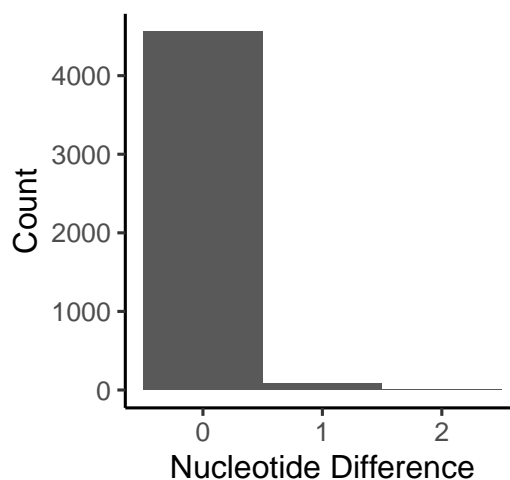
TRBV3-12*ap01

12449 sequences assigned
12292 (98.7%) exact matches, in which:
12121 unique CDR3
14 unique J



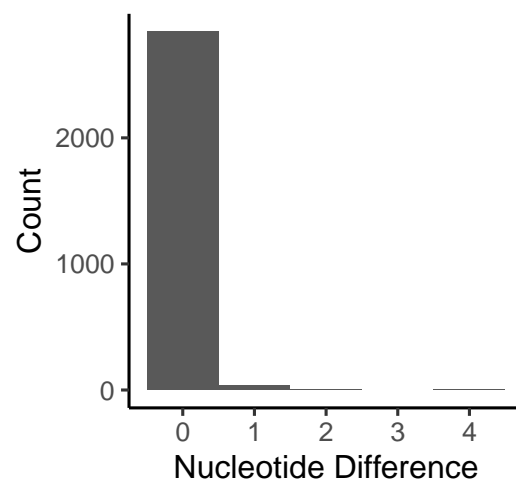
TRBV4-2*ap01

4638 sequences assigned
4559 (98.3%) exact matches, in which:
4496 unique CDR3
14 unique J



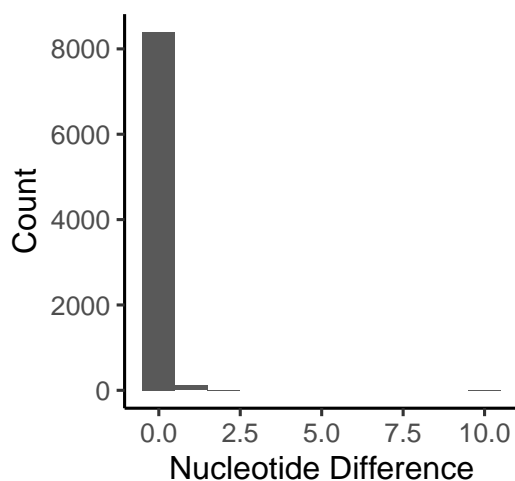
TRBV25-1*ap01

2886 sequences assigned
2842 (98.5%) exact matches, in which:
2786 unique CDR3
14 unique J



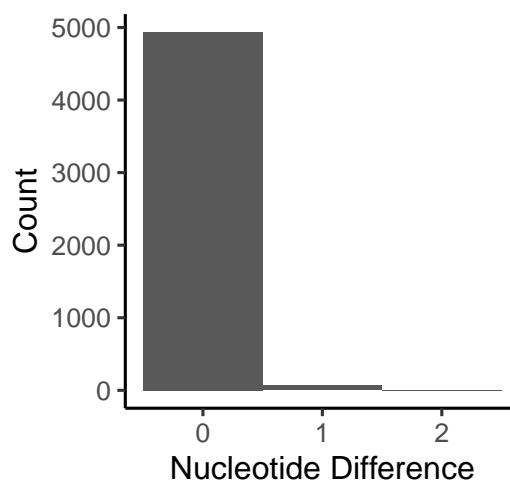
TRBV4-1*ap01

8512 sequences assigned
8394 (98.6%) exact matches, in which:
8275 unique CDR3
14 unique J



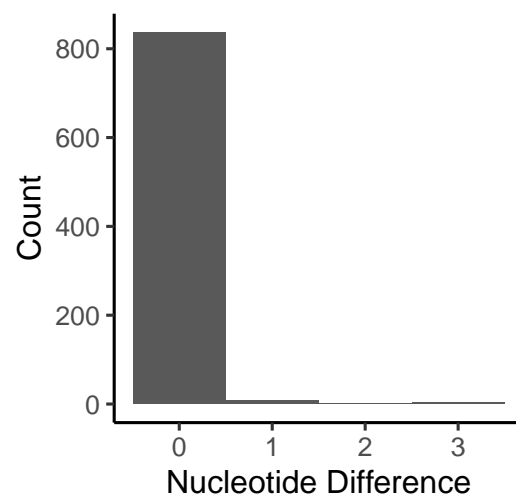
TRBV4-3*ap01

5006 sequences assigned
4937 (98.6%) exact matches, in which:
4855 unique CDR3
14 unique J



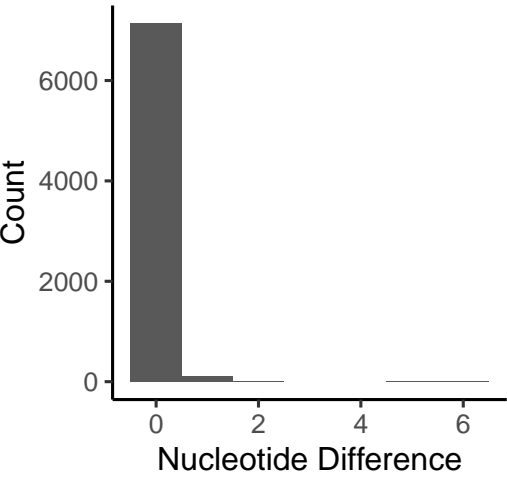
TRBV5-3*ap01

850 sequences assigned
837 (98.5%) exact matches, in which:
828 unique CDR3
14 unique J



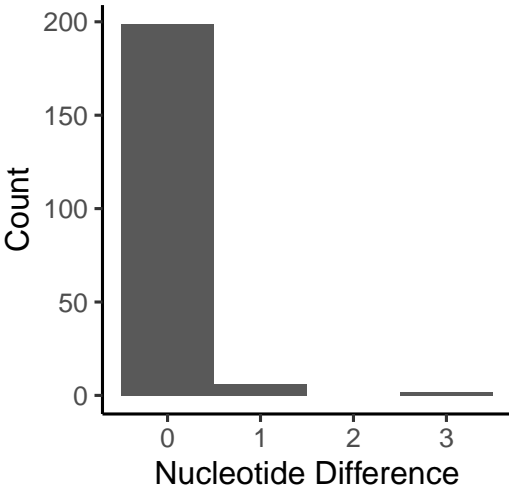
TRBV5-4*ap01

7242 sequences assigned
7138 (98.6%) exact matches, in which:
7033 unique CDR3
14 unique J



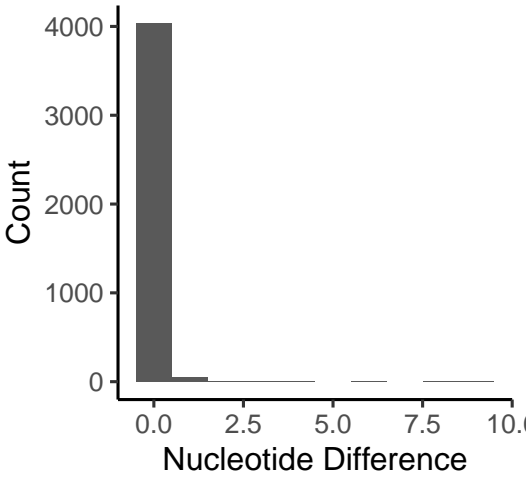
TRBV5-7*ap01

207 sequences assigned
199 (96.1%) exact matches, in which:
194 unique CDR3
14 unique J



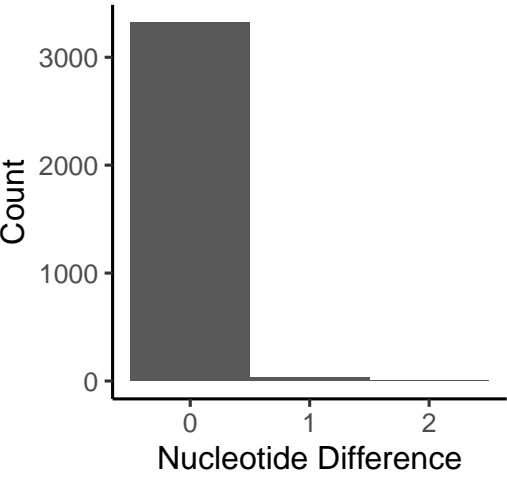
TRBV6-4*ap01

4100 sequences assigned
4034 (98.4%) exact matches, in which:
3985 unique CDR3
14 unique J



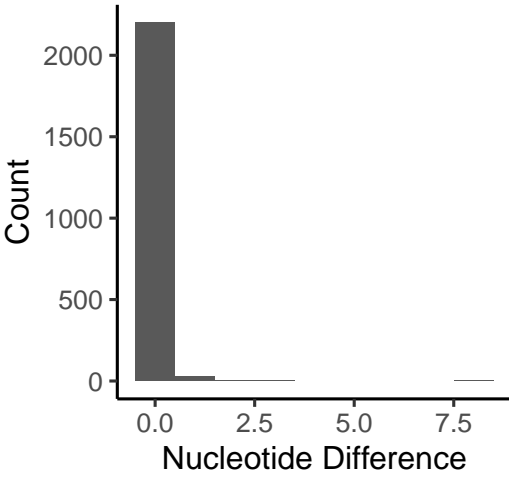
TRBV5-5*ap01

3353 sequences assigned
3320 (99%) exact matches, in which:
3290 unique CDR3
14 unique J



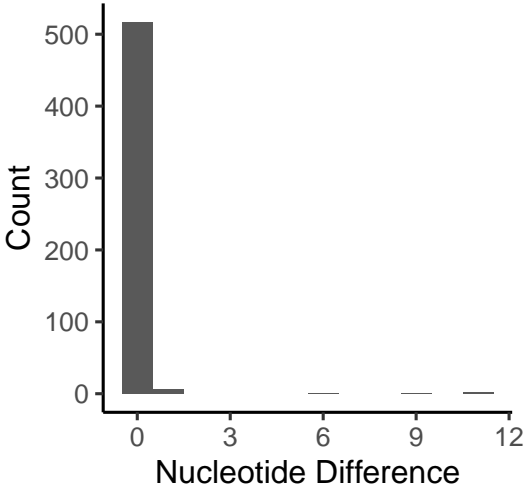
TRBV5-8*ap01

2237 sequences assigned
2200 (98.3%) exact matches, in which:
2178 unique CDR3
14 unique J



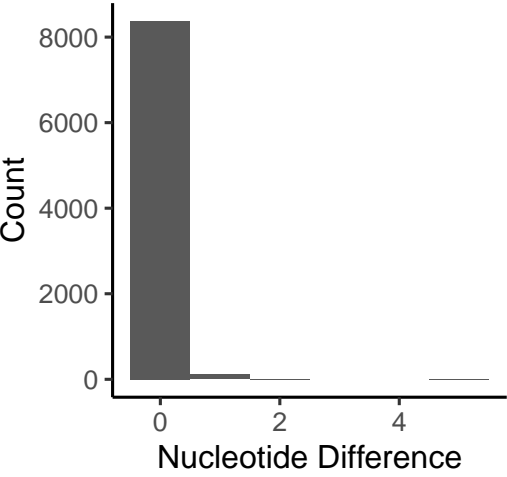
TRBV6-7*ap01

527 sequences assigned
517 (98.1%) exact matches, in which:
507 unique CDR3
14 unique J



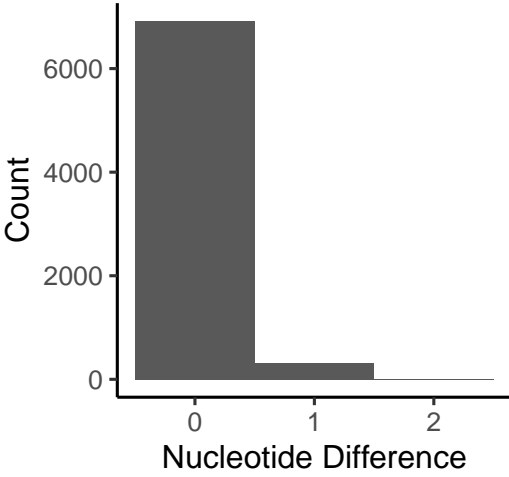
TRBV5-6*ap01

8494 sequences assigned
8375 (98.6%) exact matches, in which:
8161 unique CDR3
14 unique J



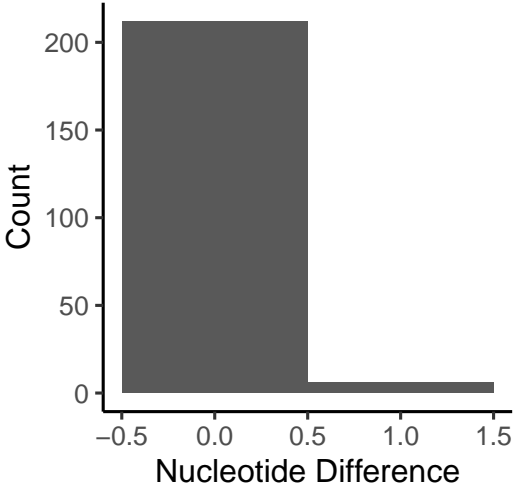
TRBV6-1*ap01

7239 sequences assigned
6918 (95.6%) exact matches, in which:
6793 unique CDR3
14 unique J



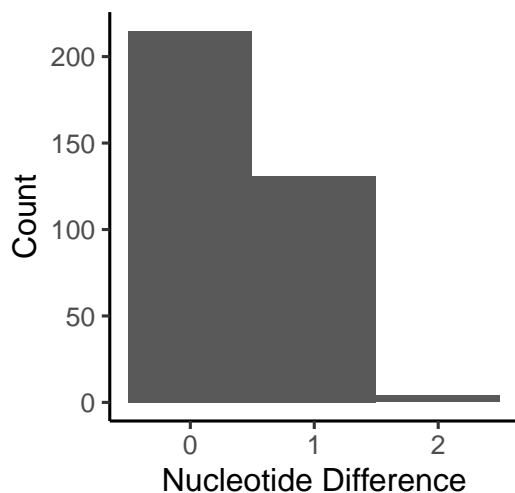
TRBV6-8*ap01

218 sequences assigned
212 (97.2%) exact matches, in which:
202 unique CDR3
14 unique J



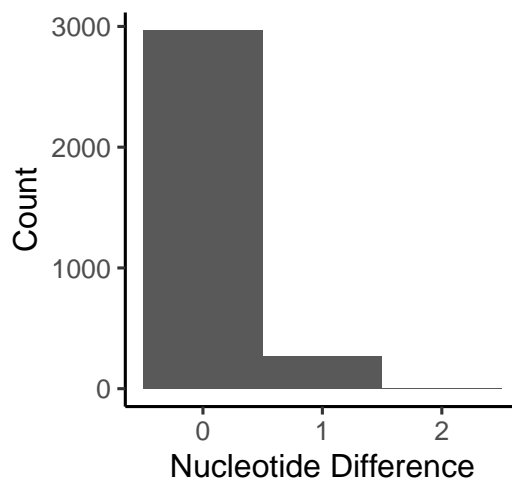
TRBV6-9*ap01

350 sequences assigned
215 (61.4%) exact matches, in which:
205 unique CDR3
14 unique J



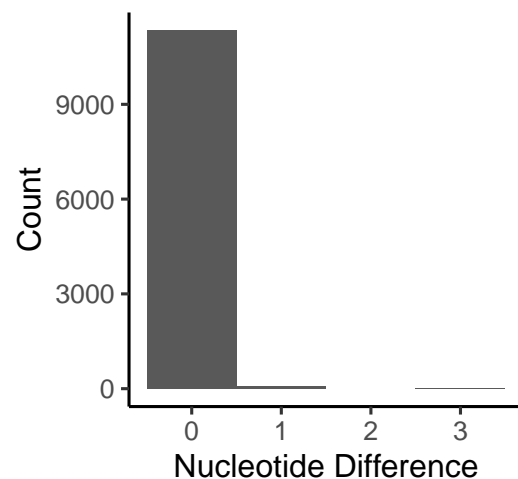
TRBV6-56*ap02

3244 sequences assigned
2967 (91.5%) exact matches, in which:
2894 unique CDR3
14 unique J



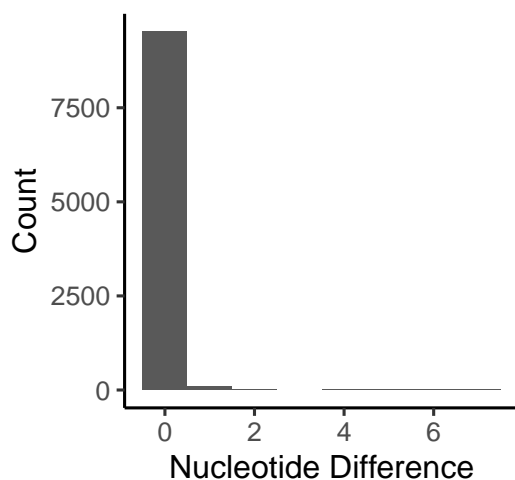
TRBV7-2*ap01

11409 sequences assigned
11340 (99.4%) exact matches, in which:
11229 unique CDR3
14 unique J



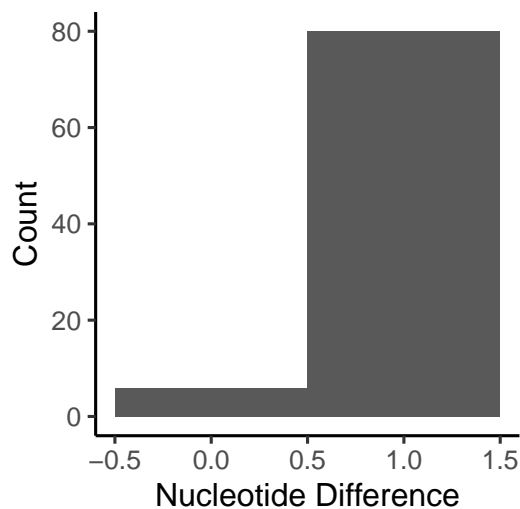
TRBV6-23*ap01

9627 sequences assigned
9520 (98.9%) exact matches, in which:
9278 unique CDR3
14 unique J



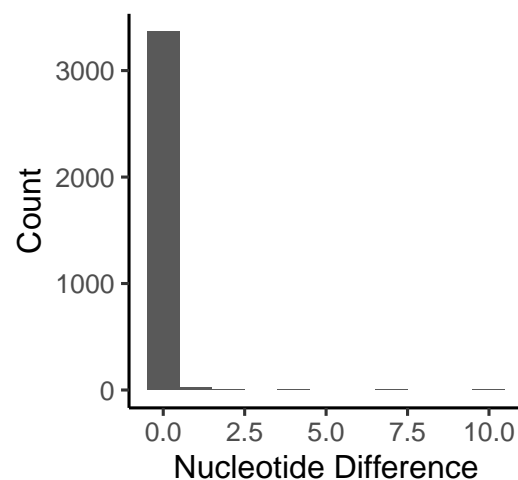
TRBV7-1*ap01_T296C

86 sequences assigned
6 (7%) exact matches, in which:
6 unique CDR3
5 unique J



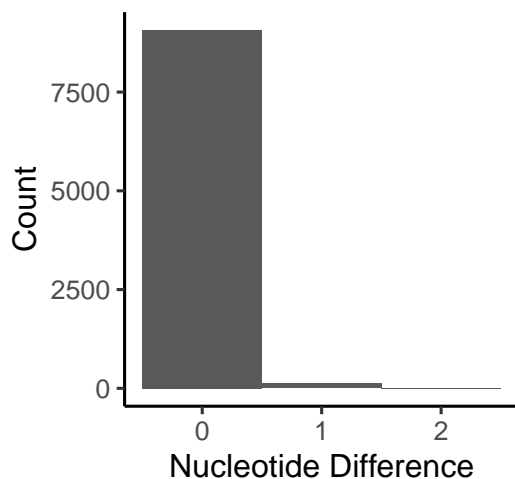
TRBV7-3*ap01

3400 sequences assigned
3365 (99%) exact matches, in which:
3340 unique CDR3
13 unique J



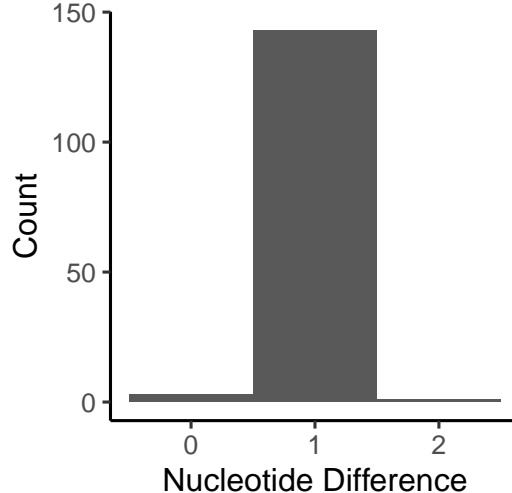
TRBV6-56*ap01

9194 sequences assigned
9070 (98.7%) exact matches, in which:
8901 unique CDR3
14 unique J



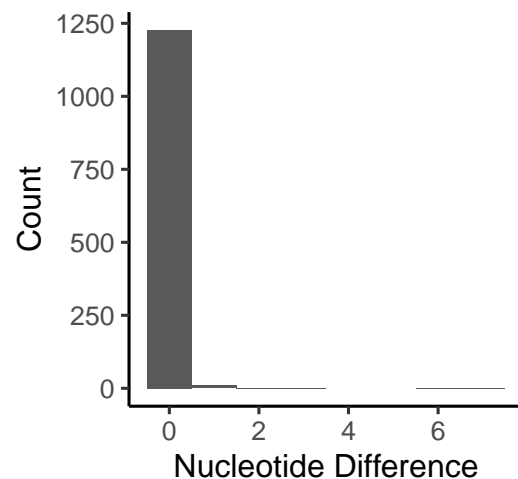
TRBV7-1*ap01_T296C_

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



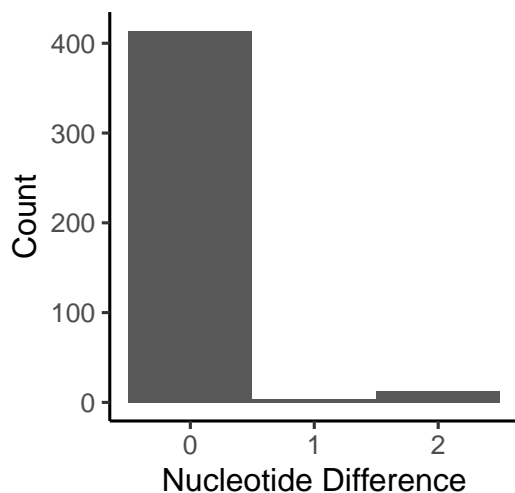
TRBV7-3*ap03

1241 sequences assigned
1227 (98.9%) exact matches, in which:
1215 unique CDR3
13 unique J



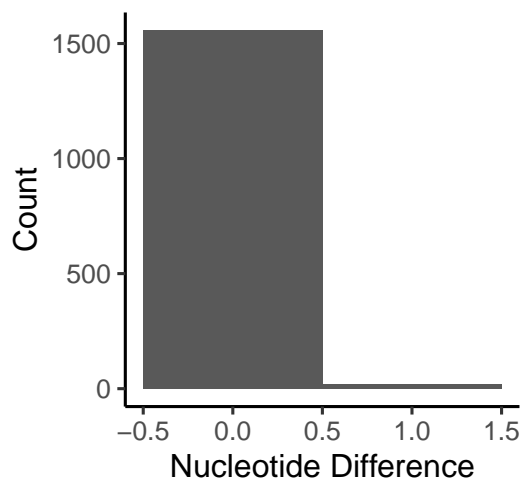
TRBV7-4*ap01

431 sequences assigned
414 (96.1%) exact matches, in which:
410 unique CDR3
14 unique J



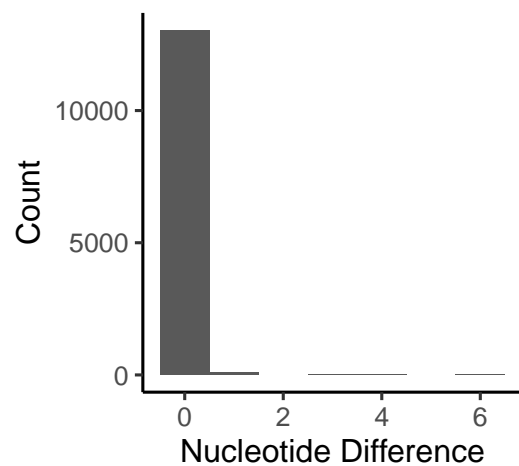
TRBV7-8*ap01

1577 sequences assigned
1557 (98.7%) exact matches, in which:
1527 unique CDR3
13 unique J



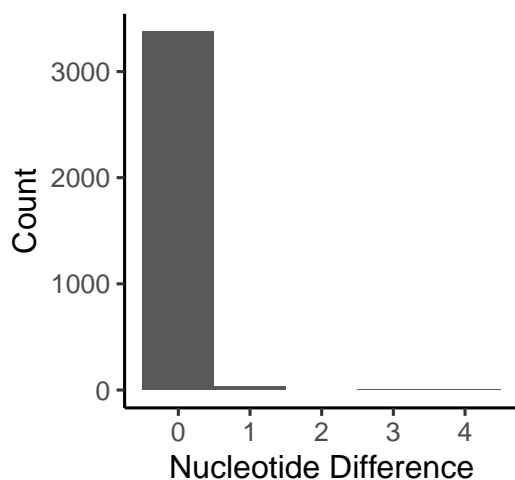
TRBV7-9*ap01

13137 sequences assigned
13042 (99.3%) exact matches, in which:
12943 unique CDR3
14 unique J



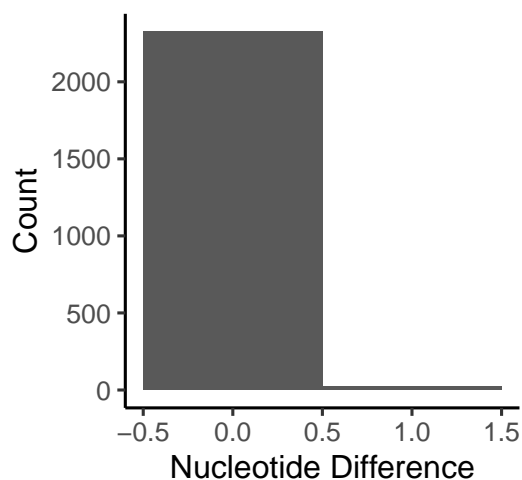
TRBV7-6*ap01

3411 sequences assigned
3375 (98.9%) exact matches, in which:
3332 unique CDR3
14 unique J



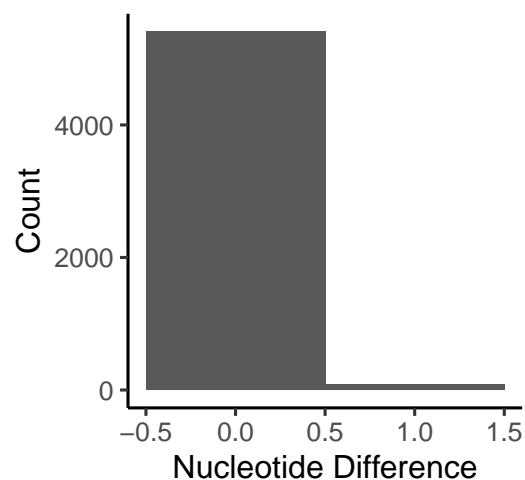
TRBV7-8*ap02

2347 sequences assigned
2325 (99.1%) exact matches, in which:
2302 unique CDR3
14 unique J



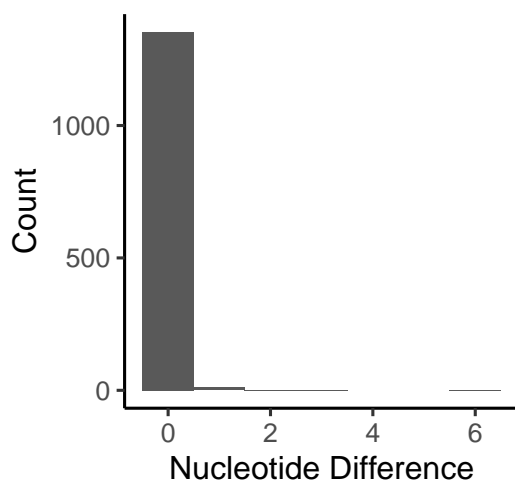
TRBV29-1*ap01

5495 sequences assigned
5407 (98.4%) exact matches, in which:
5307 unique CDR3
14 unique J



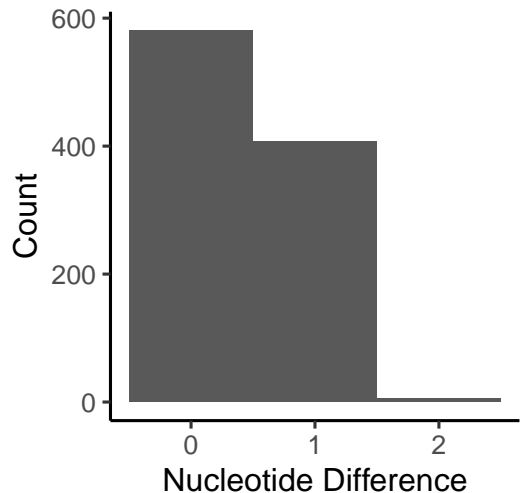
TRBV7-7*ap01

1367 sequences assigned
1353 (99%) exact matches, in which:
1327 unique CDR3
14 unique J



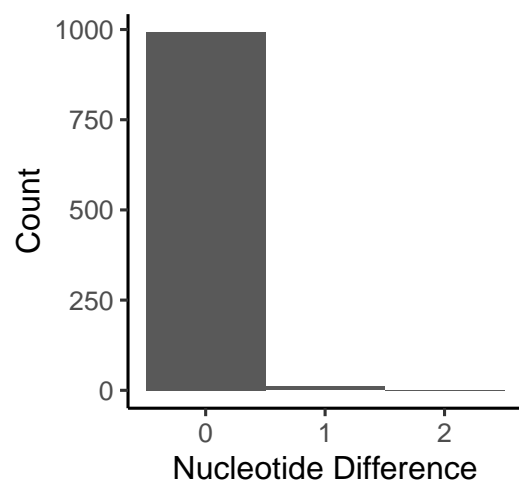
TRBV7-8*ap03

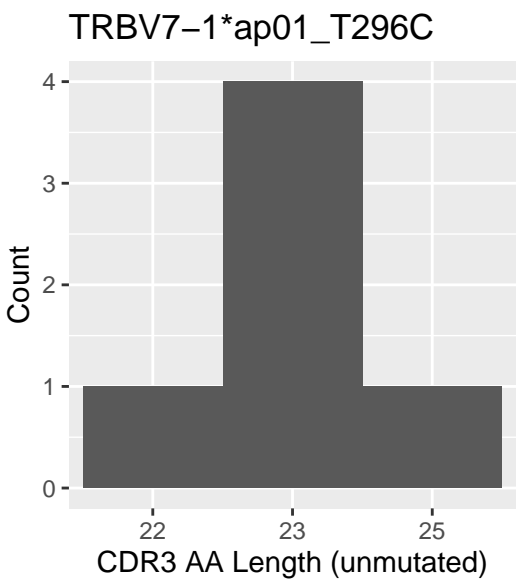
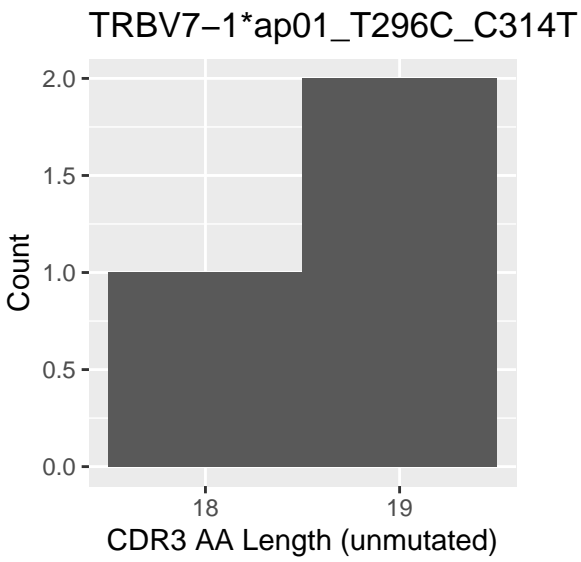
994 sequences assigned
581 (58.5%) exact matches, in which:
569 unique CDR3
14 unique J

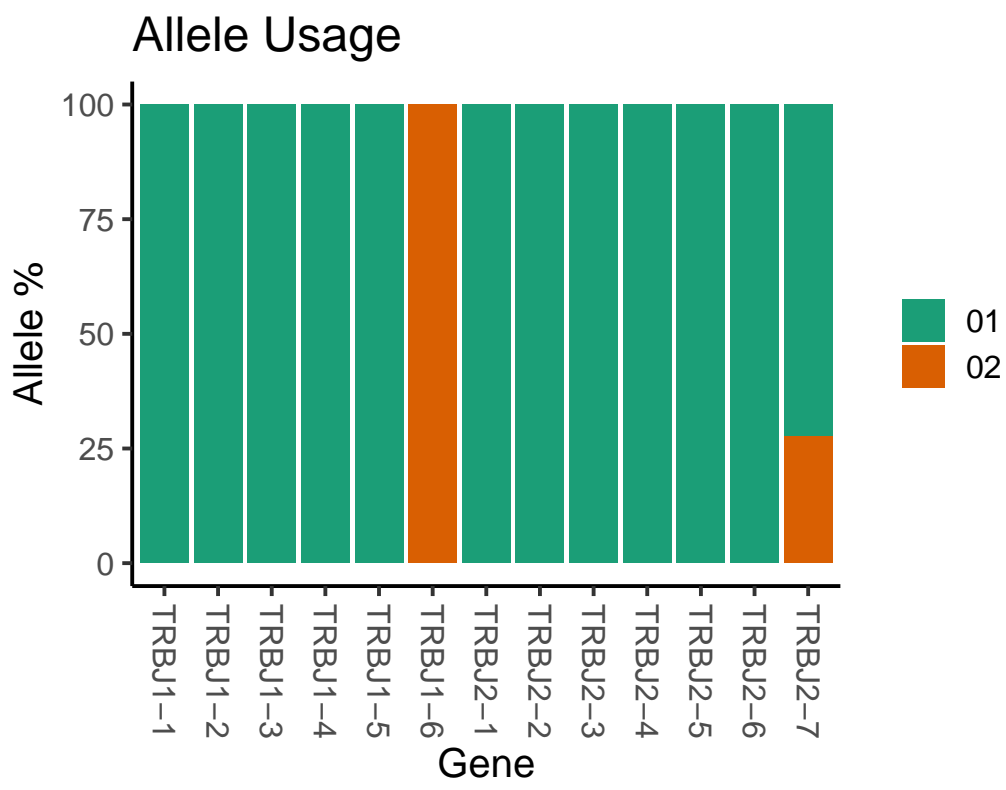


TRBV29-1*ap02

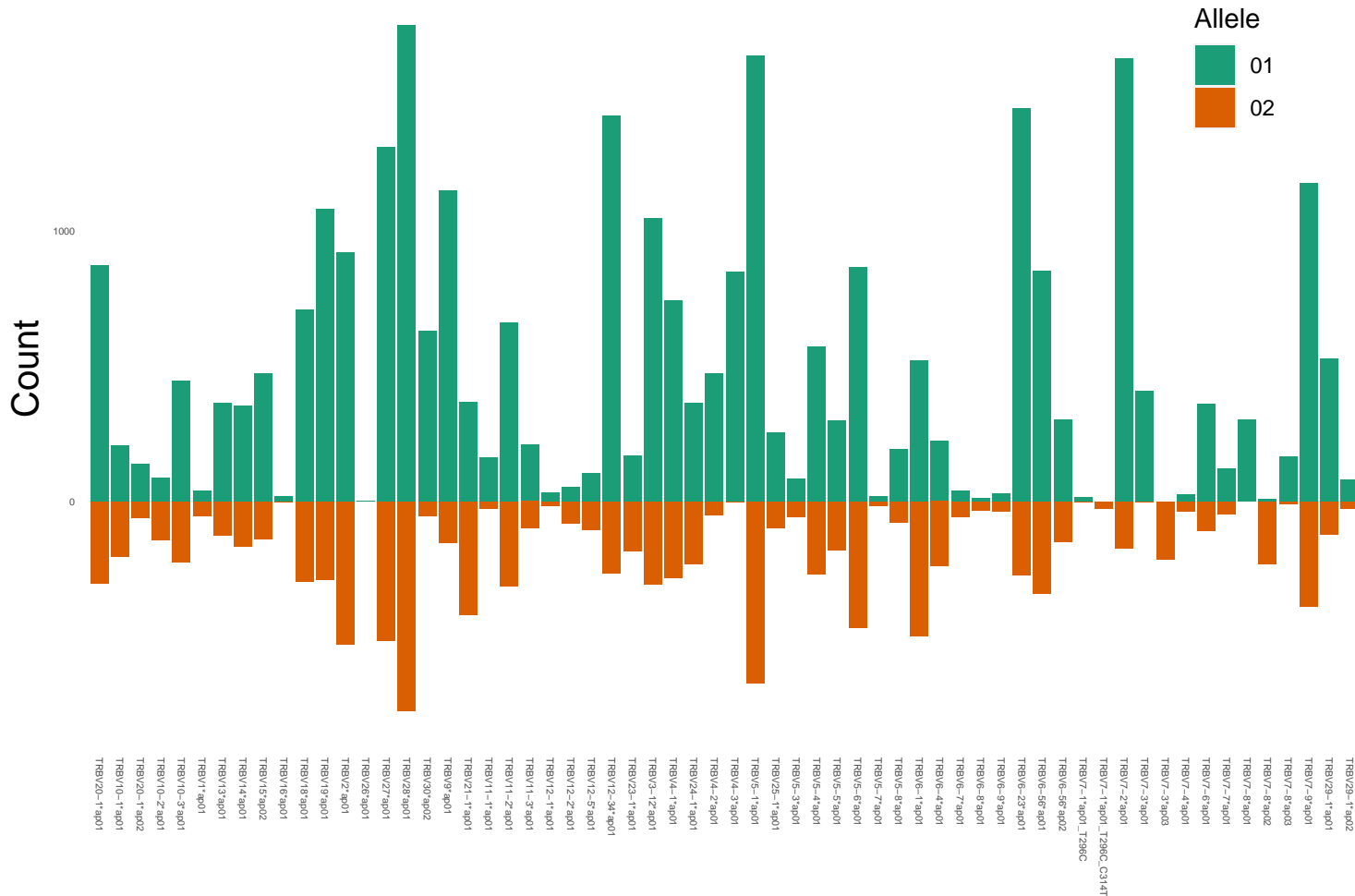
1005 sequences assigned
993 (98.8%) exact matches, in which:
982 unique CDR3
14 unique J







Sequence Count by TRBJ2-7 allele usage



[illegible]