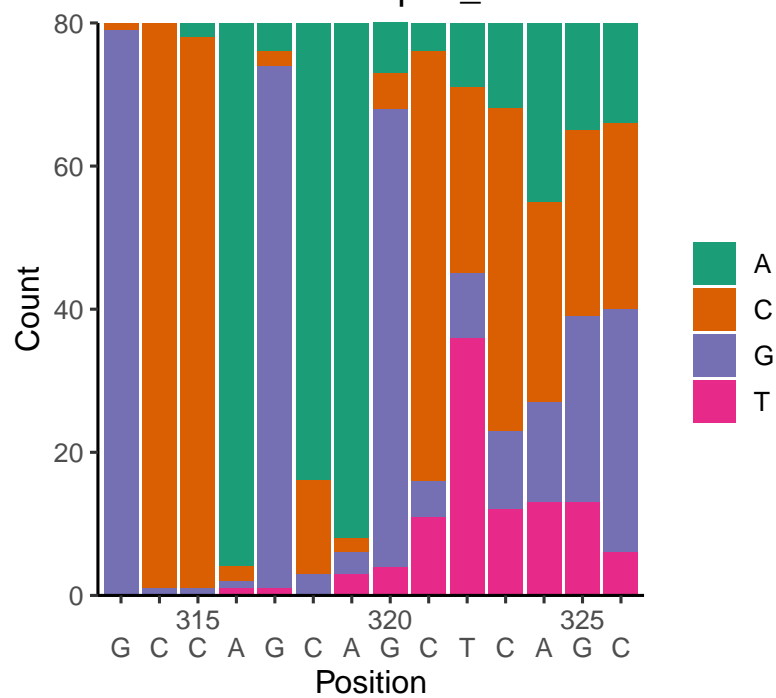
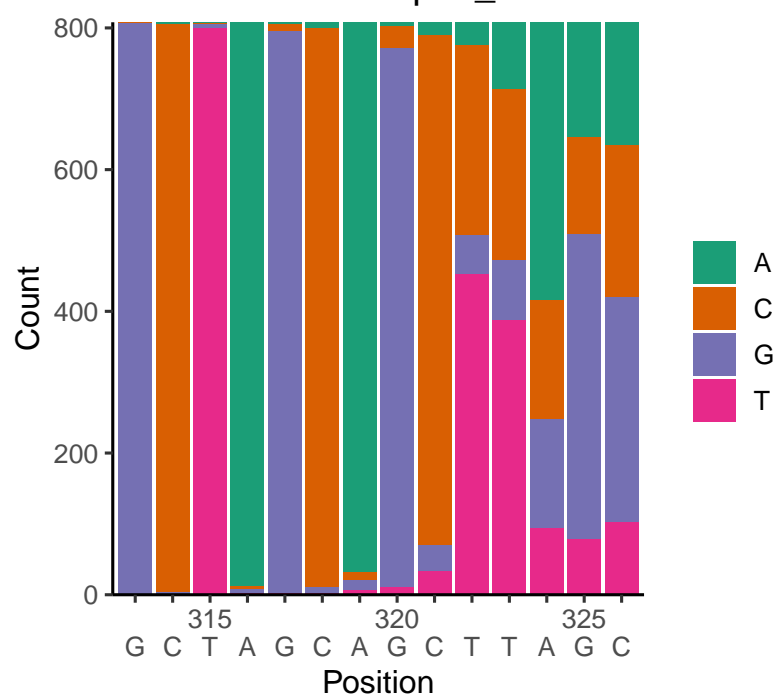


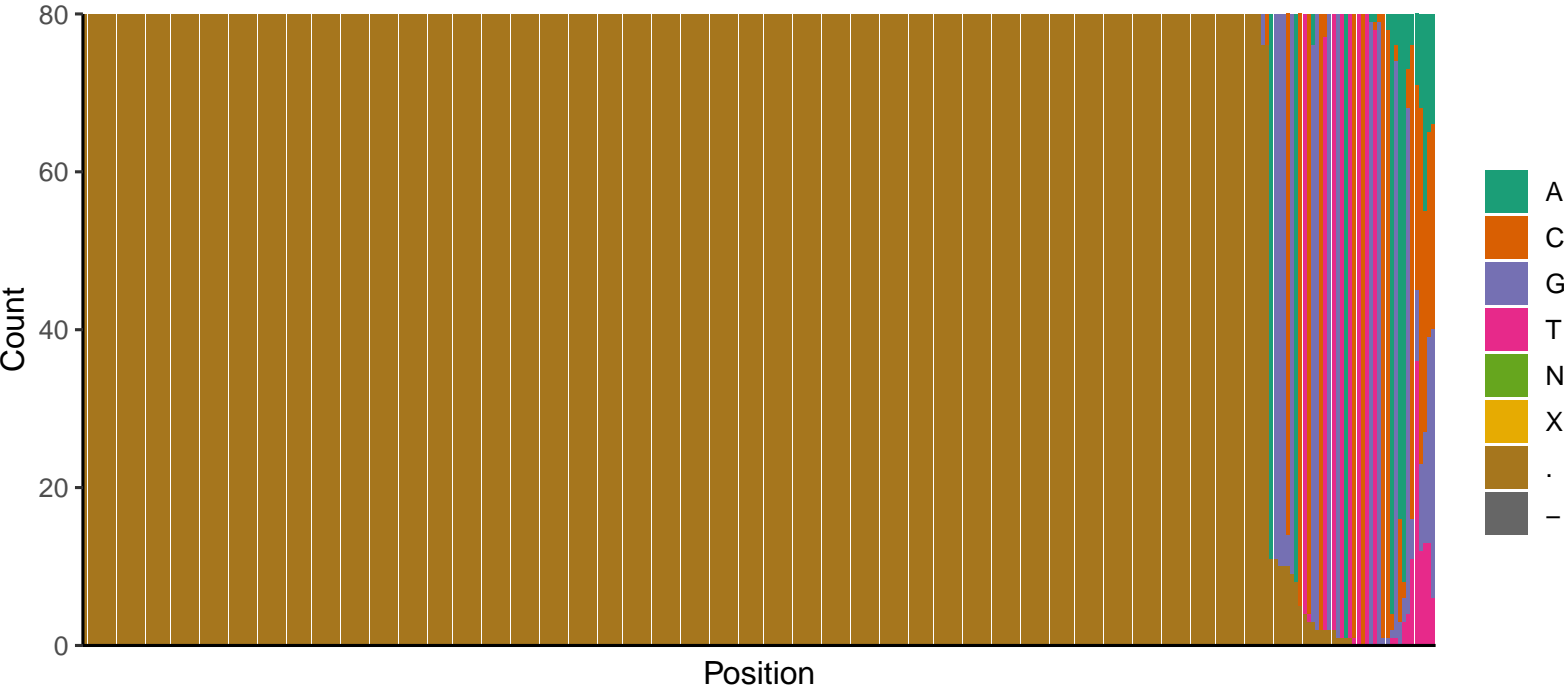
Gene TRBV7-1*ap01_T296C



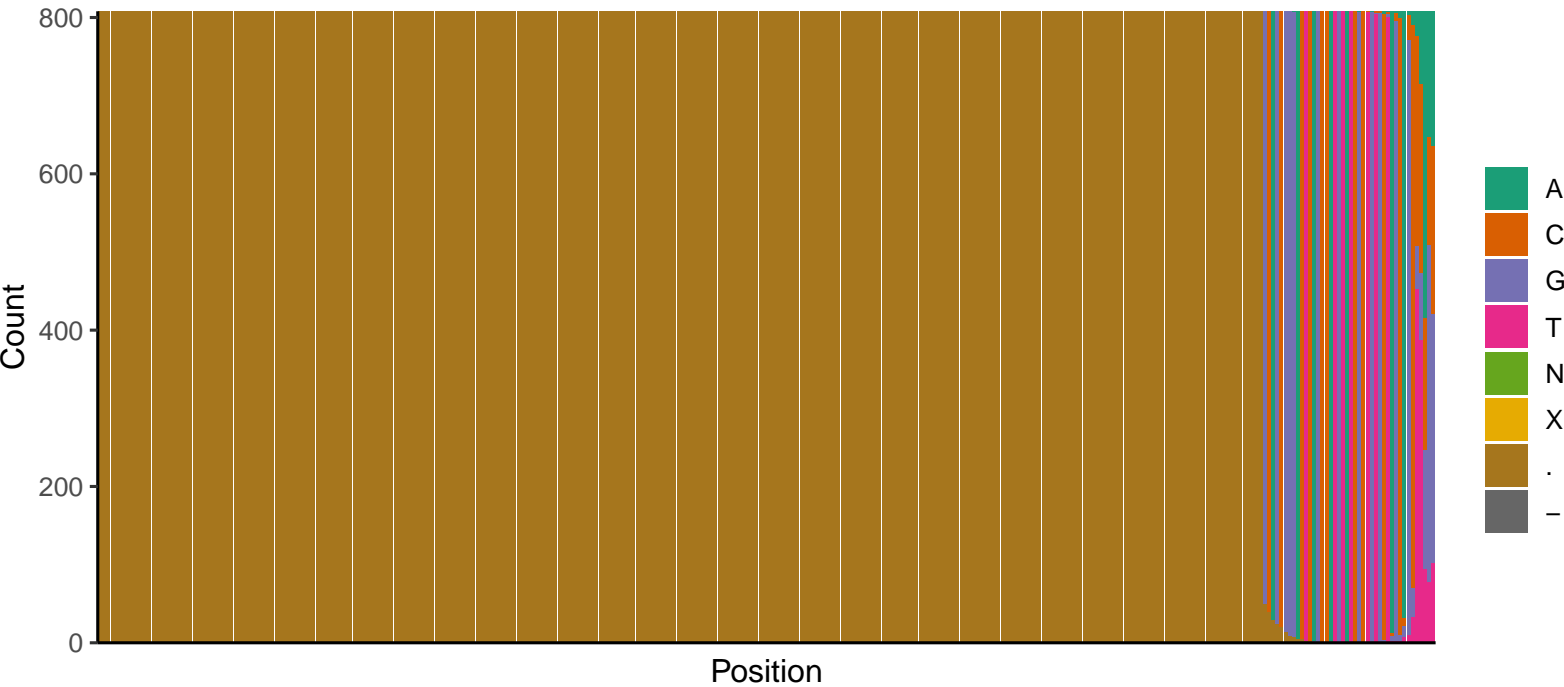
Gene TRBV7-7*ap01_C315T



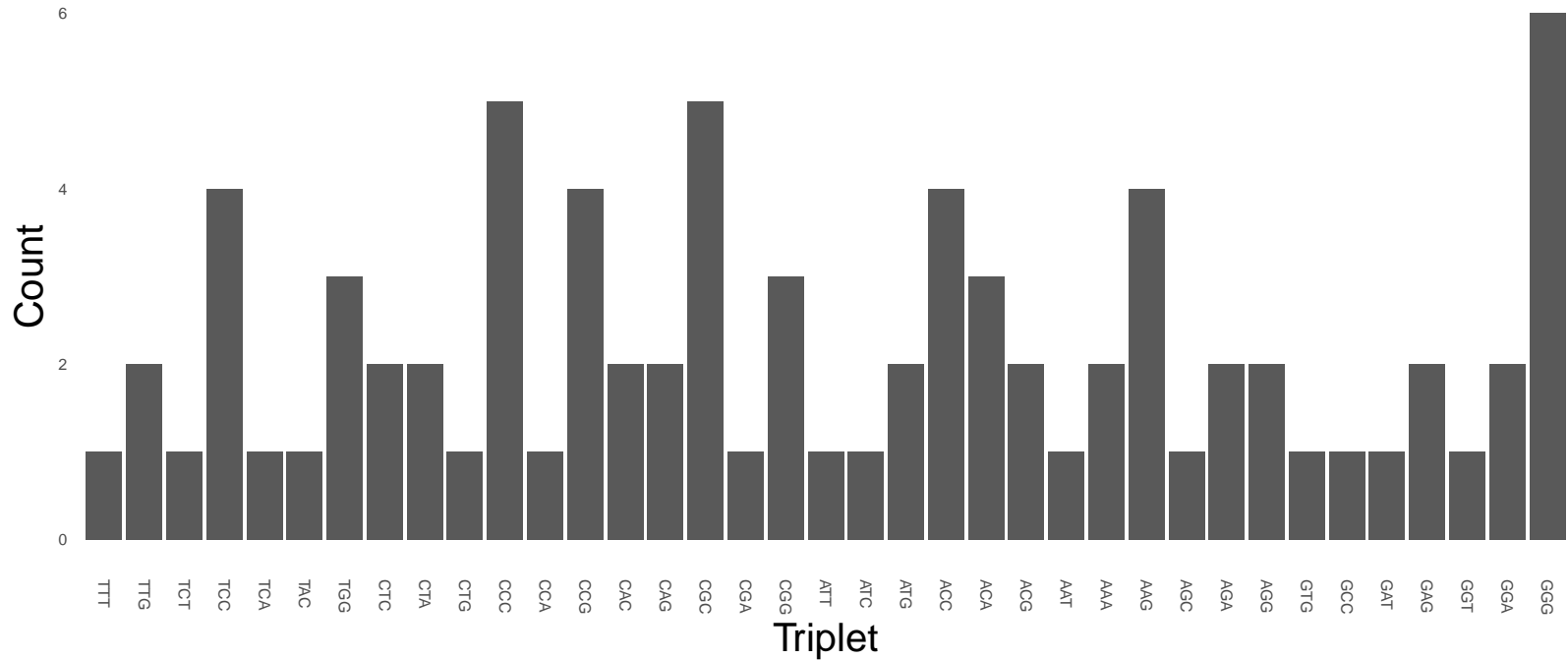
Gene TRBV7-1*ap01_T296C



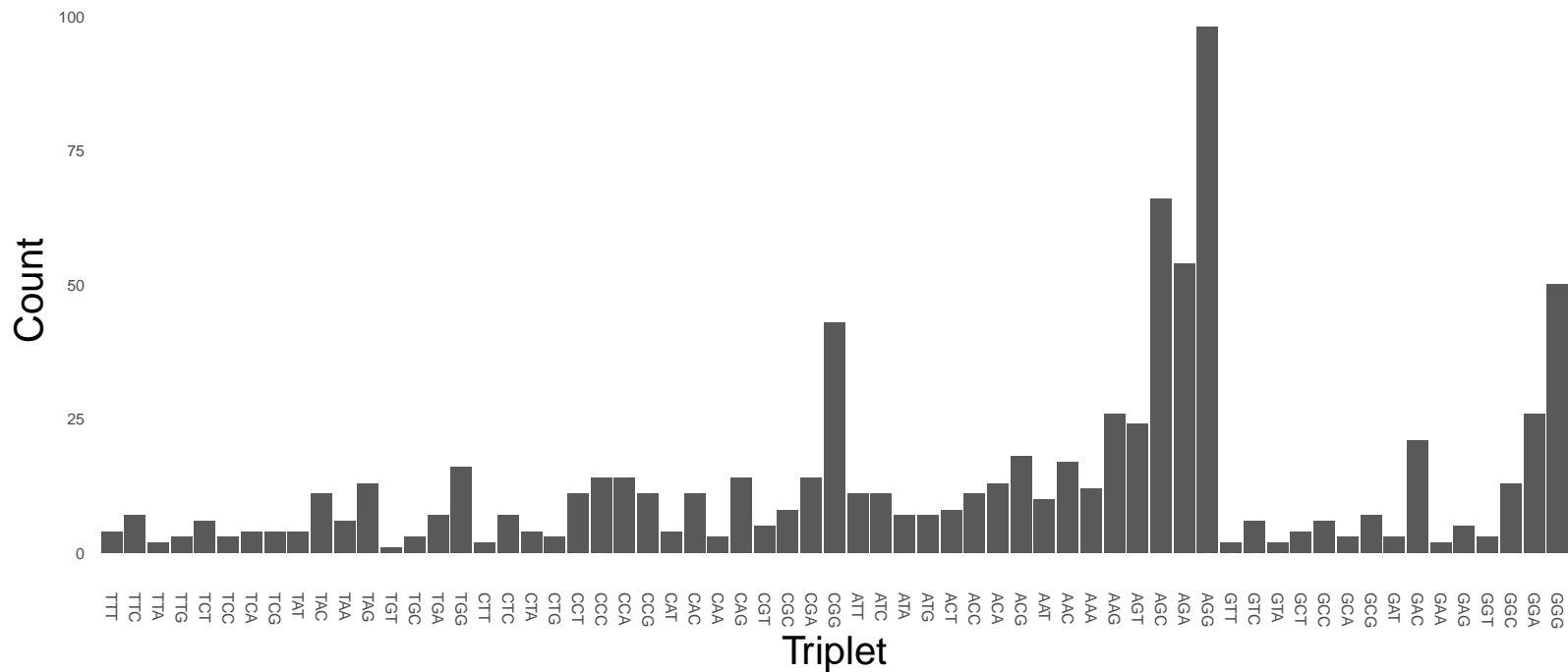
Gene TRBV7-7*ap01_C315T



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

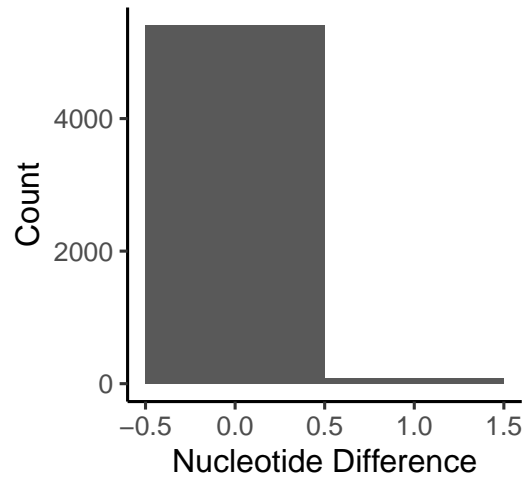


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



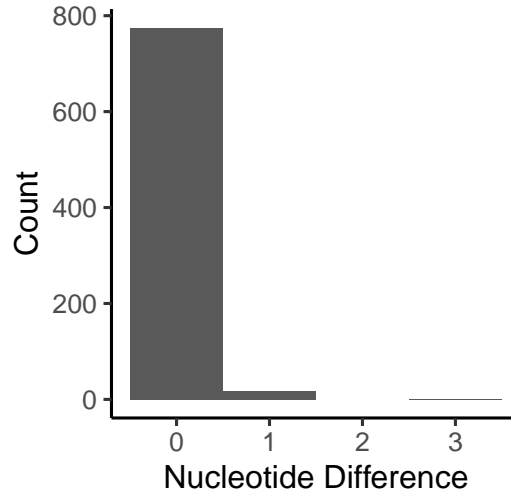
TRBV20-1*ap01

5485 sequences assigned
5406 (98.6%) exact matches, in which:
5250 unique CDR3
13 unique J



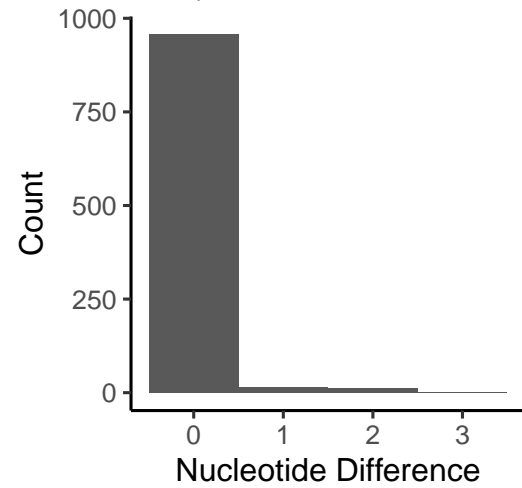
TRBV10-2*ap01

793 sequences assigned
775 (97.7%) exact matches, in which:
744 unique CDR3
13 unique J



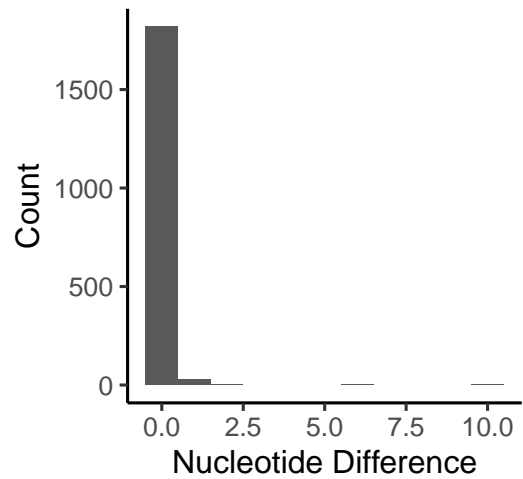
TRBV13*ap01

985 sequences assigned
957 (97.2%) exact matches, in which:
917 unique CDR3
13 unique J



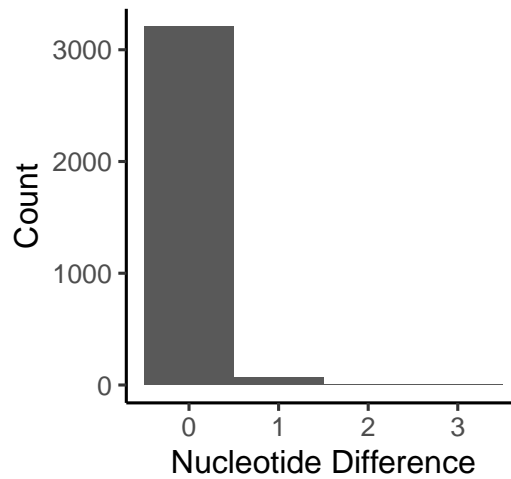
TRBV10-1*ap01

1849 sequences assigned
1819 (98.4%) exact matches, in which:
1760 unique CDR3
13 unique J



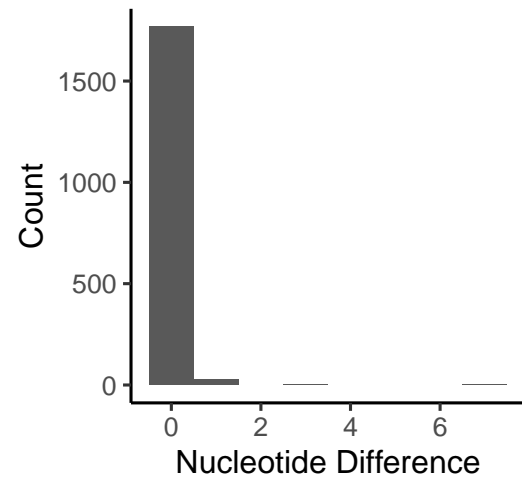
TRBV10-3*ap01

3275 sequences assigned
3206 (97.9%) exact matches, in which:
3081 unique CDR3
13 unique J



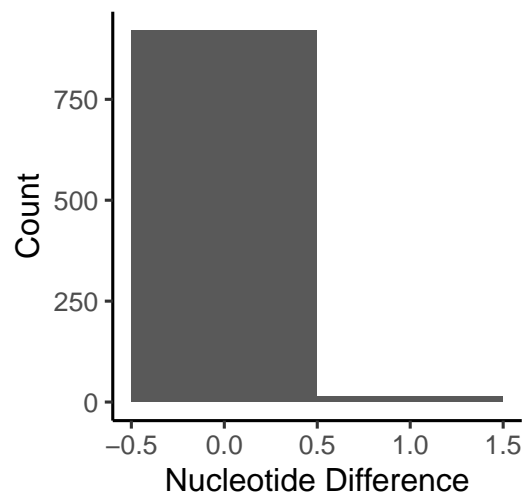
TRBV14*ap01

1795 sequences assigned
1768 (98.5%) exact matches, in which:
1723 unique CDR3
13 unique J



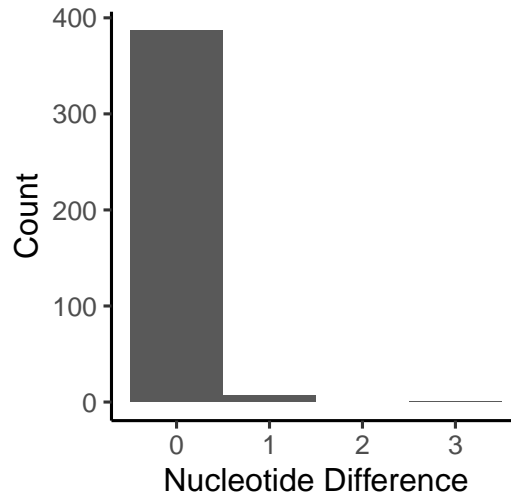
TRBV20-1*ap02

934 sequences assigned
921 (98.6%) exact matches, in which:
890 unique CDR3
13 unique J



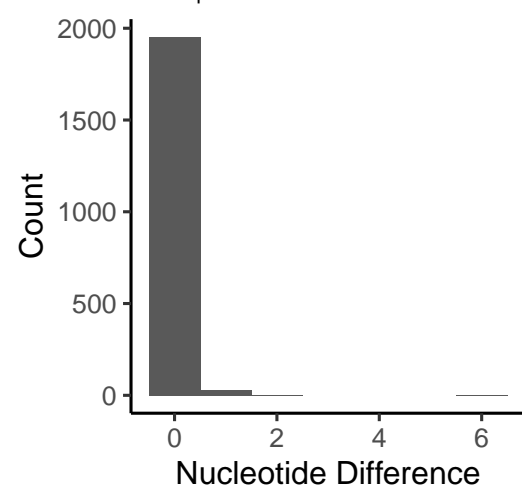
TRBV1*ap01

395 sequences assigned
387 (98%) exact matches, in which:
373 unique CDR3
13 unique J



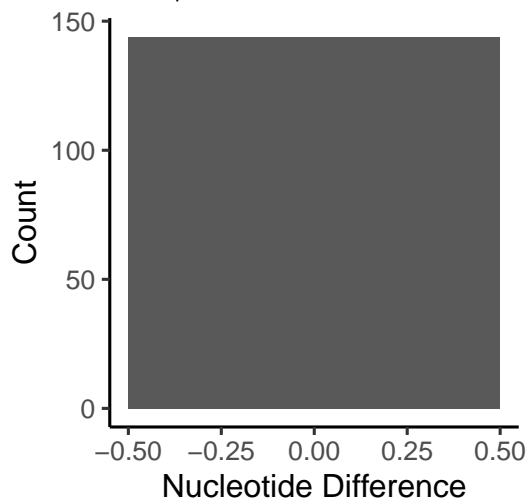
TRBV15*ap02

1985 sequences assigned
1952 (98.3%) exact matches, in which:
1882 unique CDR3
13 unique J



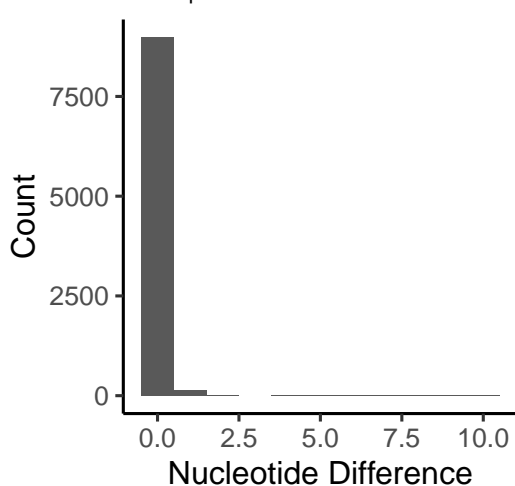
TRBV16*ap01

144 sequences assigned
144 (100%) exact matches, in which:
144 unique CDR3
12 unique J



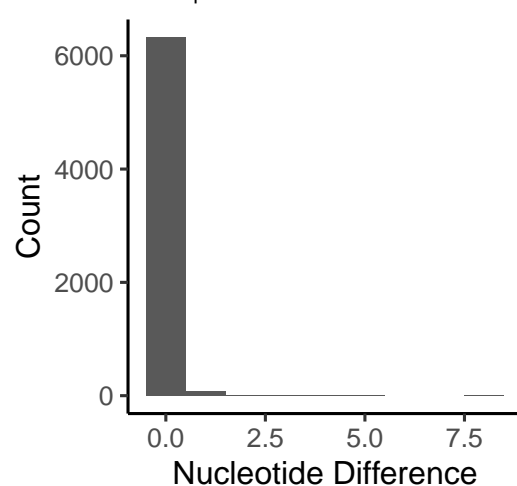
TRBV19*ap01

9143 sequences assigned
8980 (98.2%) exact matches, in which:
8787 unique CDR3
13 unique J



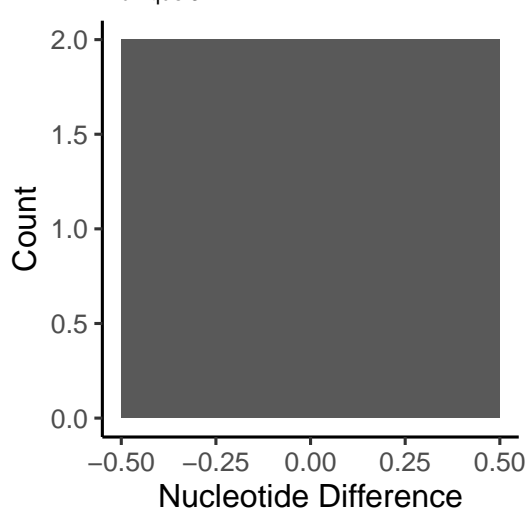
TRBV27*ap01

6418 sequences assigned
6324 (98.5%) exact matches, in which:
6142 unique CDR3
13 unique J



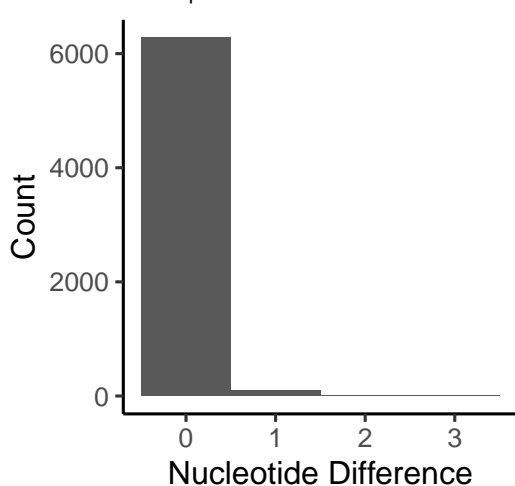
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
1 unique CDR3
1 unique J



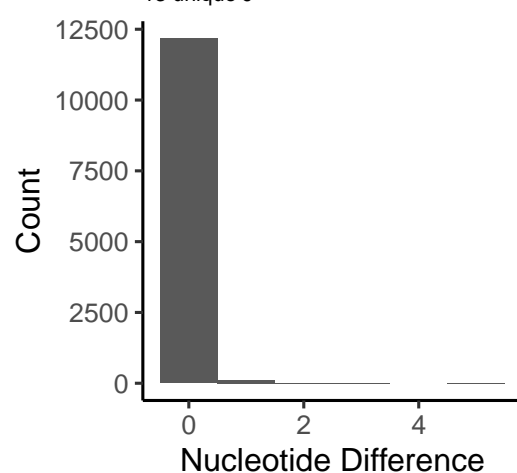
TRBV2*ap01

6381 sequences assigned
6279 (98.4%) exact matches, in which:
6060 unique CDR3
13 unique J



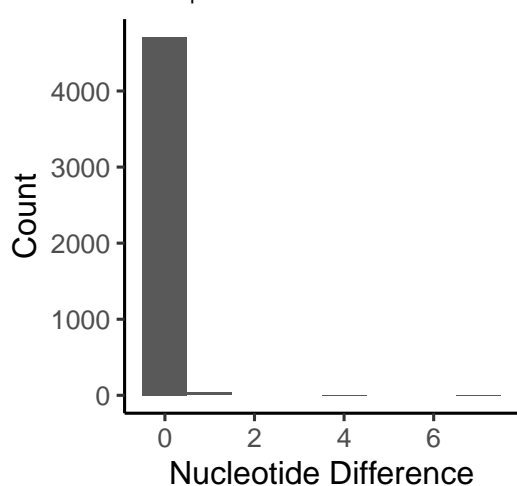
TRBV28*ap01

12285 sequences assigned
12174 (99.1%) exact matches, in which:
11905 unique CDR3
13 unique J



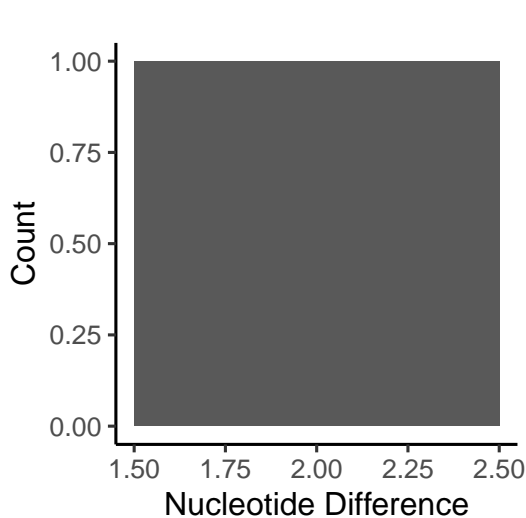
TRBV18*ap01

4748 sequences assigned
4709 (99.2%) exact matches, in which:
4628 unique CDR3
13 unique J



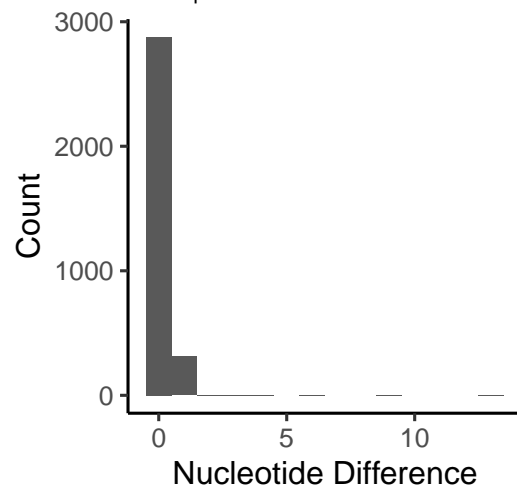
TRBV26*ap01

1 sequences assigned
No exact matches.



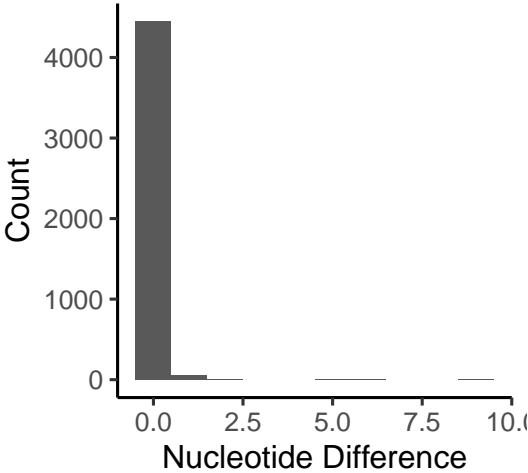
TRBV30*ap01

3199 sequences assigned
2877 (89.9%) exact matches, in which:
2795 unique CDR3
13 unique J



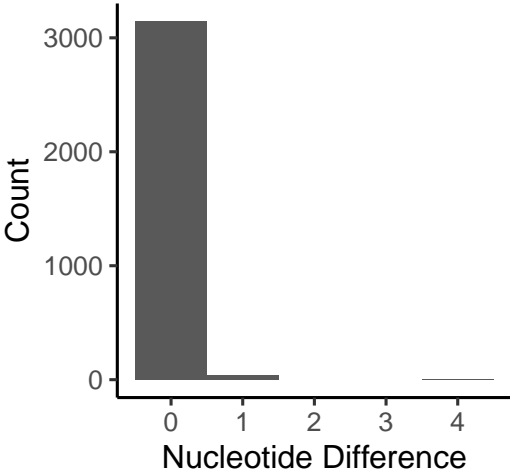
TRBV9*ap01

4505 sequences assigned
4448 (98.7%) exact matches, in which:
4349 unique CDR3
13 unique J



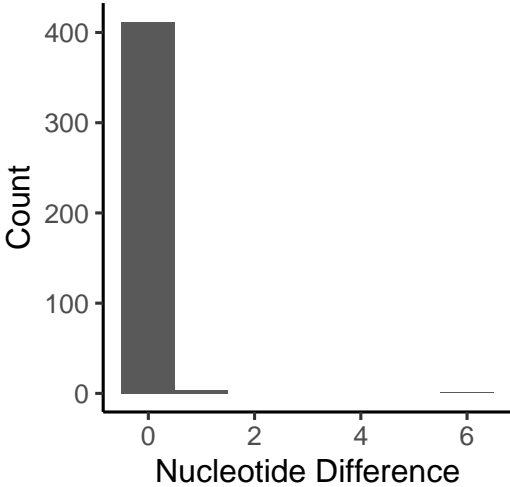
TRBV11-2*ap01

3184 sequences assigned
3144 (98.7%) exact matches, in which:
3065 unique CDR3
13 unique J



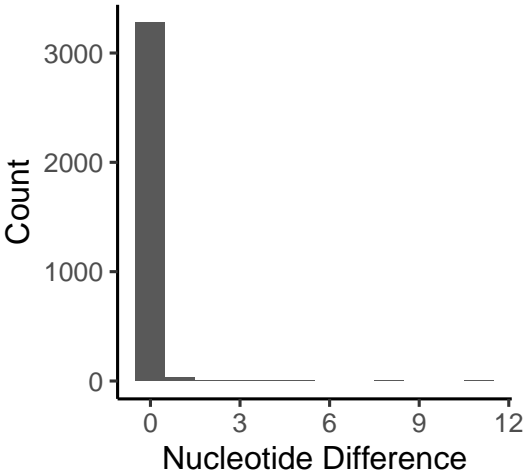
TRBV12-2*ap01

417 sequences assigned
412 (98.8%) exact matches, in which:
391 unique CDR3
13 unique J



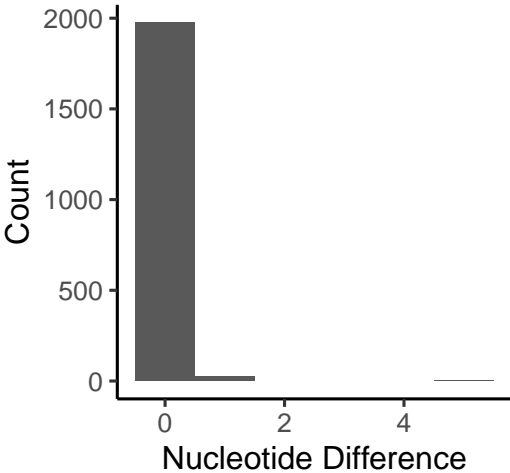
TRBV21-1*ap01

3324 sequences assigned
3277 (98.6%) exact matches, in which:
3232 unique CDR3
14 unique J



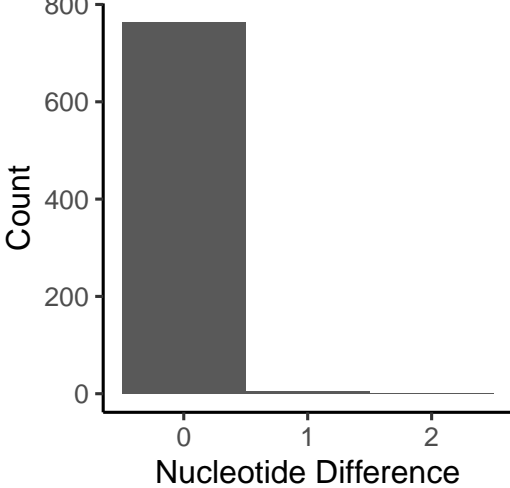
TRBV11-3*ap01

2002 sequences assigned
1975 (98.7%) exact matches, in which:
1907 unique CDR3
13 unique J



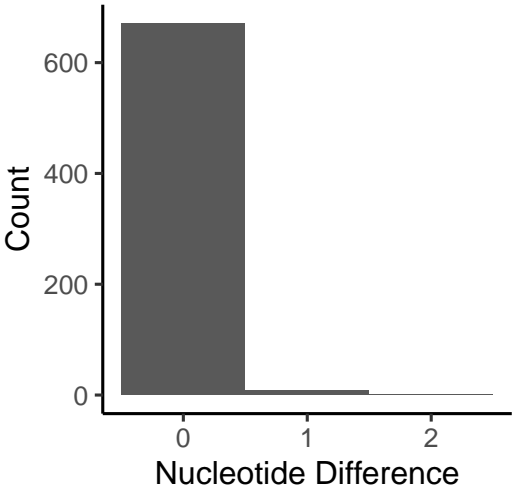
TRBV12-5*ap01

771 sequences assigned
764 (99.1%) exact matches, in which:
737 unique CDR3
13 unique J



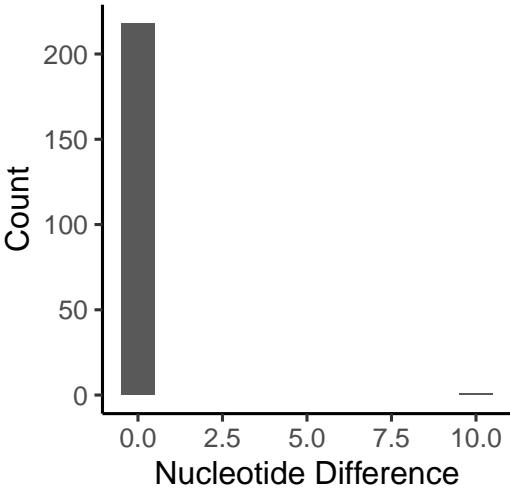
TRBV11-1*ap01

680 sequences assigned
671 (98.7%) exact matches, in which:
648 unique CDR3
13 unique J



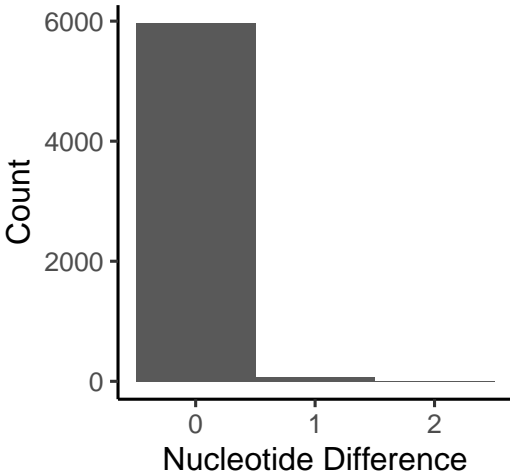
TRBV12-1*ap01

219 sequences assigned
218 (99.5%) exact matches, in which:
214 unique CDR3
13 unique J



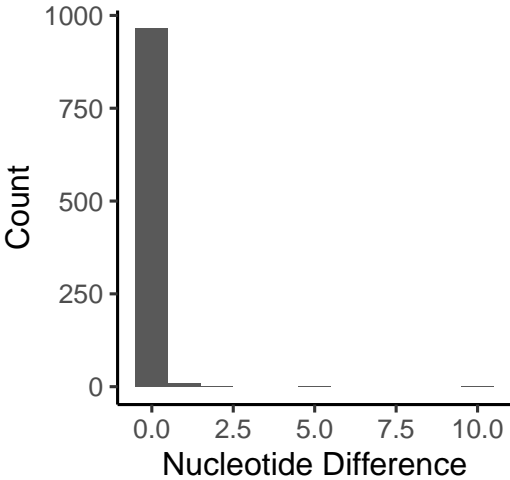
TRBV12-34*ap01

6048 sequences assigned
5968 (98.7%) exact matches, in which:
5771 unique CDR3
13 unique J



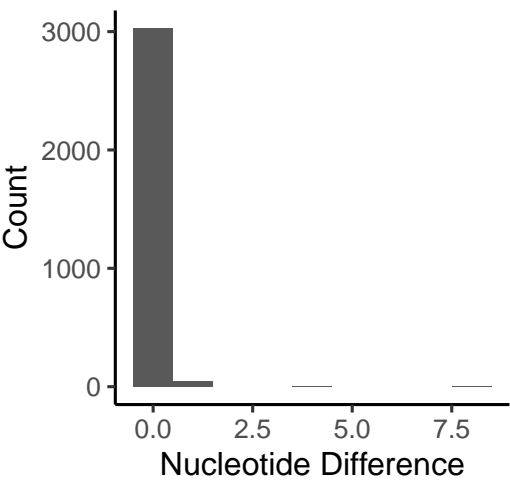
TRBV23-1*ap01

977 sequences assigned
965 (98.8%) exact matches, in which:
960 unique CDR3
13 unique J



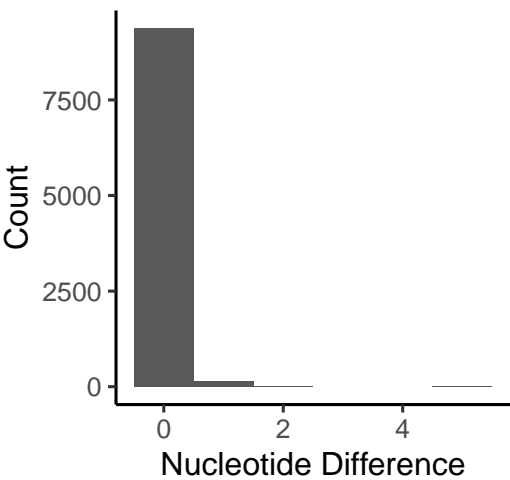
TRBV24-1*ap01

3075 sequences assigned
3027 (98.4%) exact matches, in which:
2946 unique CDR3
13 unique J



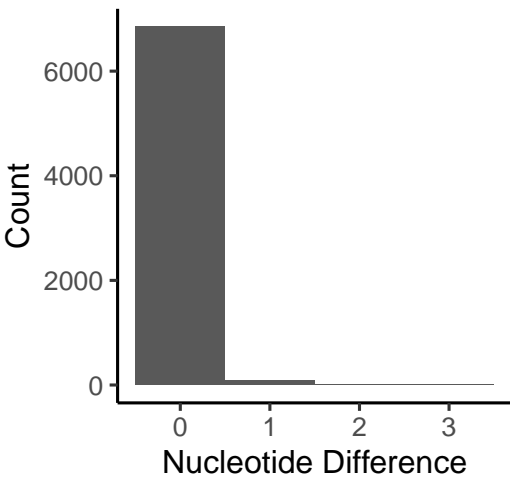
TRBV5-1*ap01

9515 sequences assigned
9371 (98.5%) exact matches, in which:
9031 unique CDR3
13 unique J



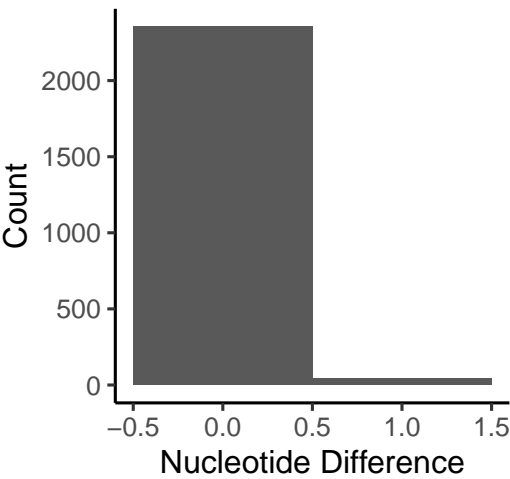
TRBV3-12*ap01

6944 sequences assigned
6849 (98.6%) exact matches, in which:
6647 unique CDR3
13 unique J



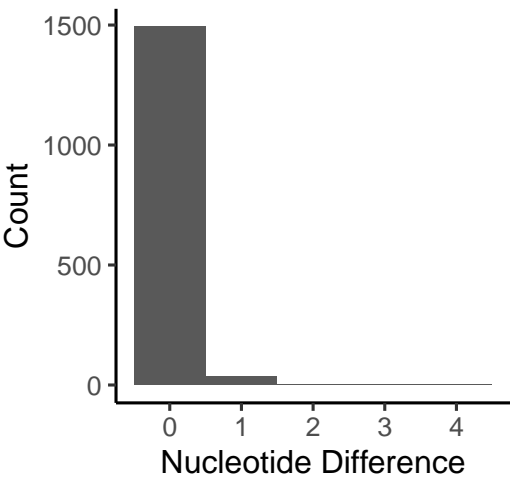
TRBV4-2*ap01

2394 sequences assigned
2354 (98.3%) exact matches, in which:
2270 unique CDR3
13 unique J



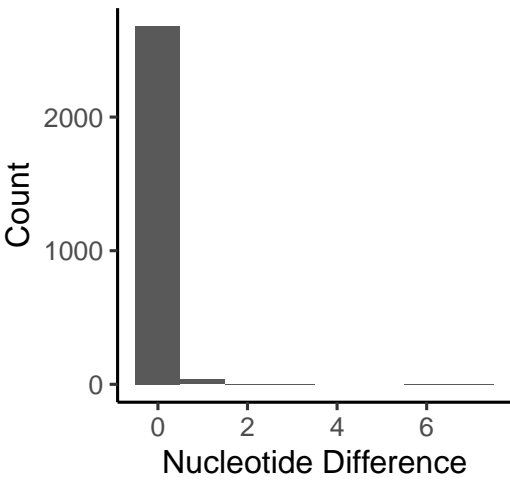
TRBV25-1*ap01

1533 sequences assigned
1493 (97.4%) exact matches, in which:
1447 unique CDR3
13 unique J



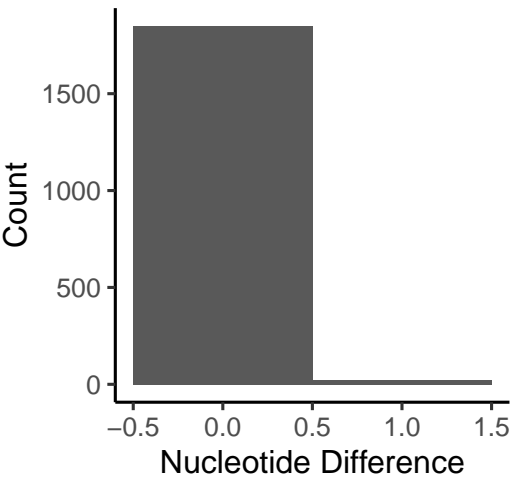
TRBV4-1*ap01

2723 sequences assigned
2681 (98.5%) exact matches, in which:
2589 unique CDR3
13 unique J



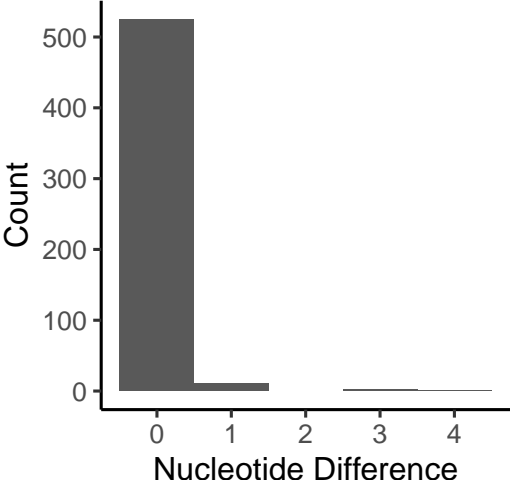
TRBV4-3*ap01

1870 sequences assigned
1849 (98.9%) exact matches, in which:
1780 unique CDR3
13 unique J



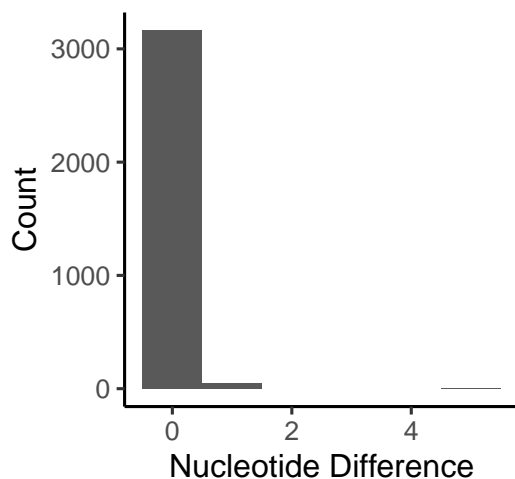
TRBV5-3*ap01

539 sequences assigned
525 (97.4%) exact matches, in which:
507 unique CDR3
13 unique J



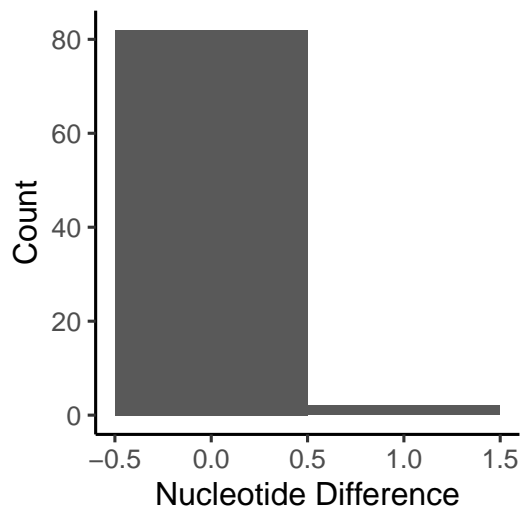
TRBV5-4*ap01

3211 sequences assigned
3163 (98.5%) exact matches, in which:
3047 unique CDR3
13 unique J



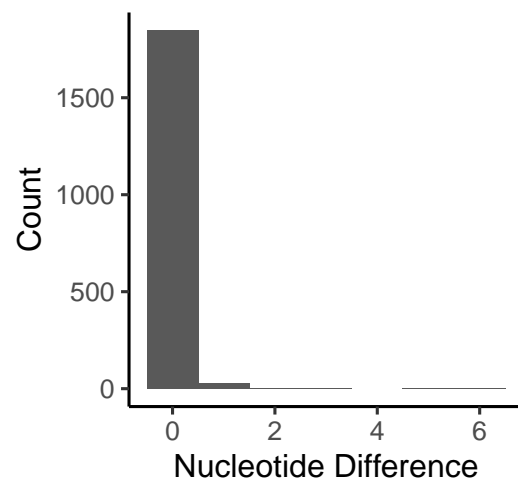
TRBV5-7*ap01

84 sequences assigned
82 (97.6%) exact matches, in which:
81 unique CDR3
12 unique J



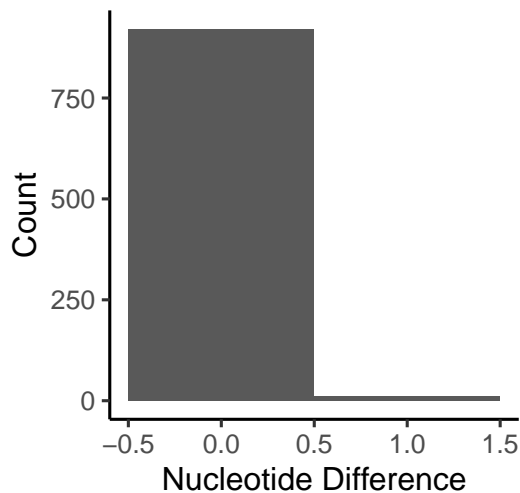
TRBV6-4*ap01

1883 sequences assigned
1847 (98.1%) exact matches, in which:
1808 unique CDR3
13 unique J



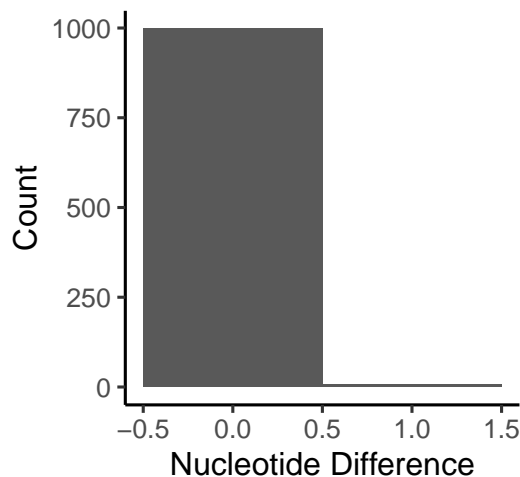
TRBV5-5*ap01

932 sequences assigned
921 (98.8%) exact matches, in which:
910 unique CDR3
13 unique J



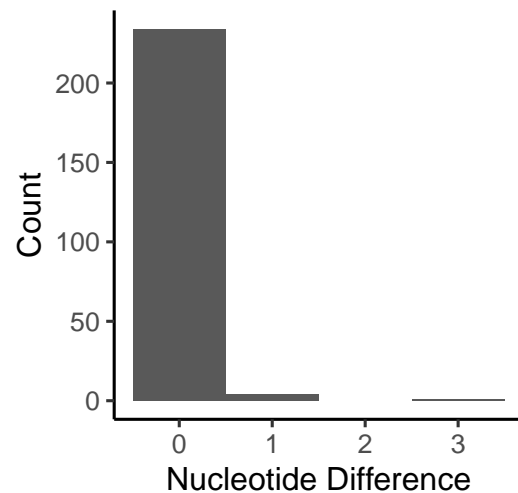
TRBV5-8*ap01

1006 sequences assigned
998 (99.2%) exact matches, in which:
974 unique CDR3
13 unique J



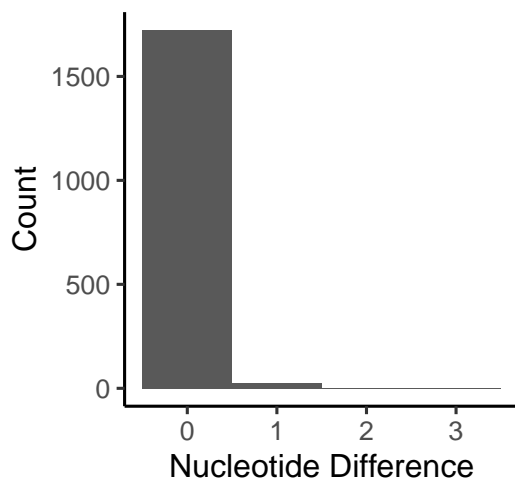
TRBV6-7*ap01

239 sequences assigned
234 (97.9%) exact matches, in which:
228 unique CDR3
13 unique J



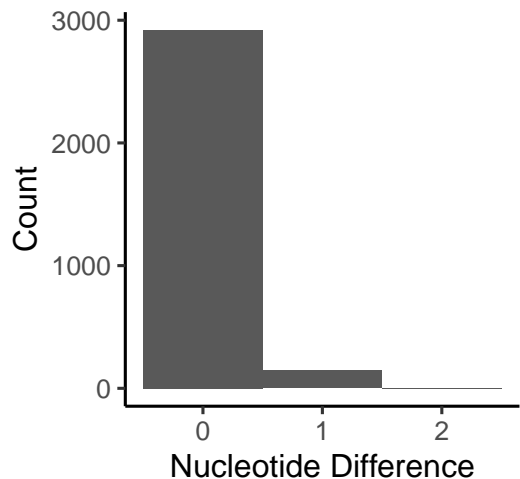
TRBV5-6*ap01

1751 sequences assigned
1723 (98.4%) exact matches, in which:
1662 unique CDR3
13 unique J



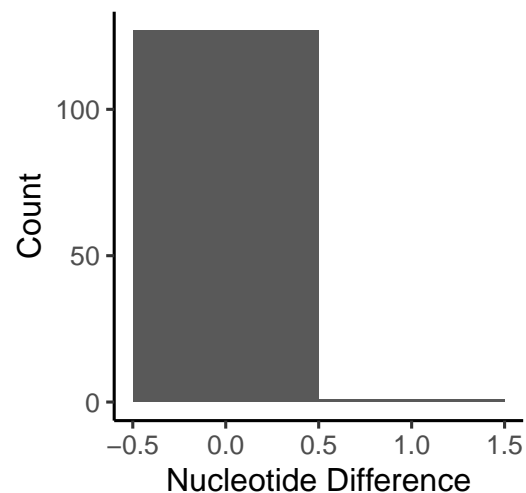
TRBV6-1*ap01

3066 sequences assigned
2920 (95.2%) exact matches, in which:
2773 unique CDR3
13 unique J



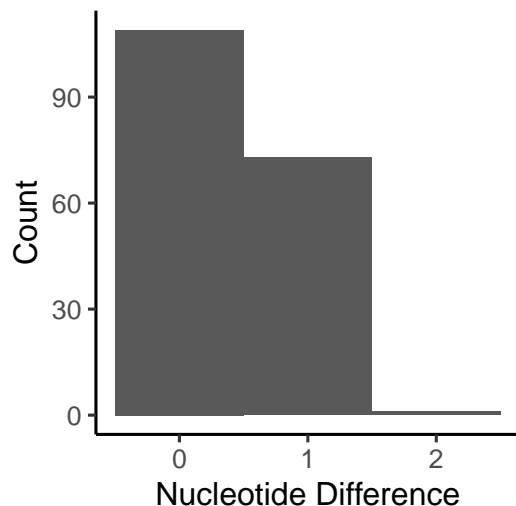
TRBV6-8*ap01

128 sequences assigned
127 (99.2%) exact matches, in which:
118 unique CDR3
13 unique J



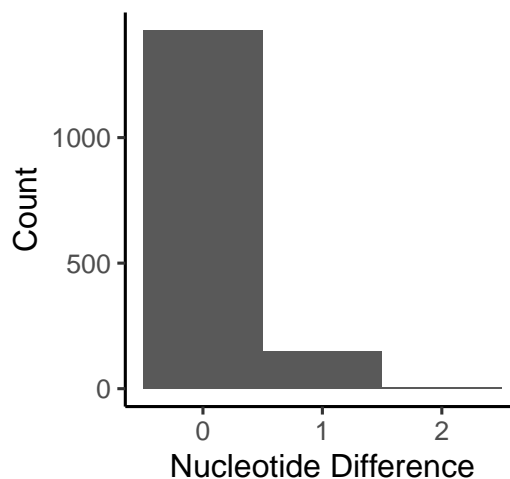
TRBV6-9*ap01

183 sequences assigned
109 (59.6%) exact matches, in which:
106 unique CDR3
13 unique J



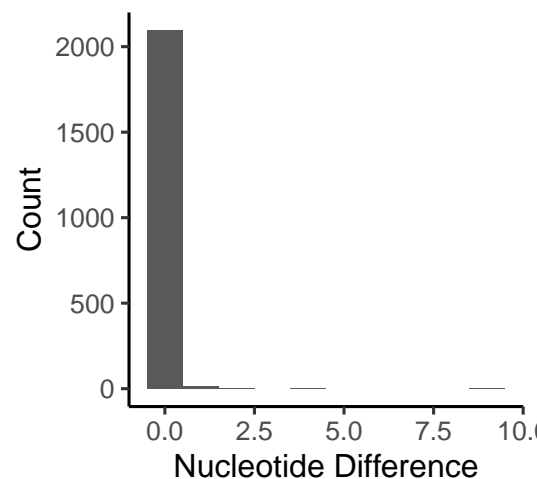
TRBV6-56*ap02

1581 sequences assigned
1427 (90.3%) exact matches, in which:
1361 unique CDR3
13 unique J



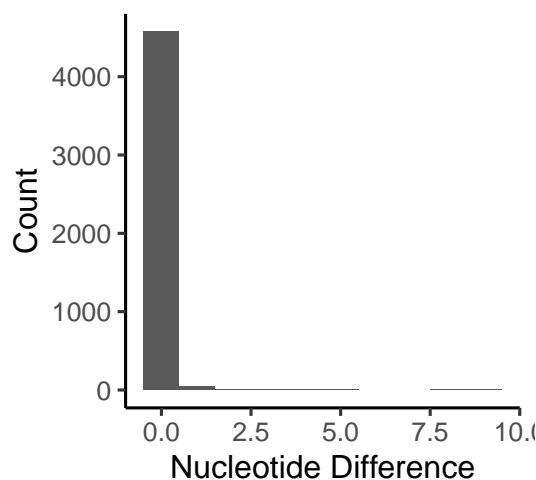
TRBV7-3*ap01

2111 sequences assigned
2095 (99.2%) exact matches, in which:
2033 unique CDR3
13 unique J



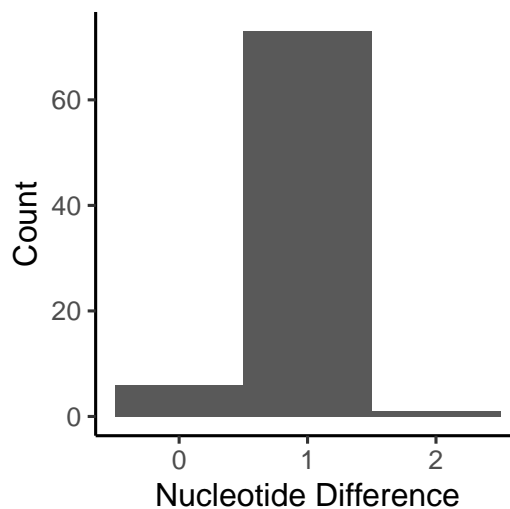
TRBV6-23*ap01

4636 sequences assigned
4574 (98.7%) exact matches, in which:
4382 unique CDR3
13 unique J



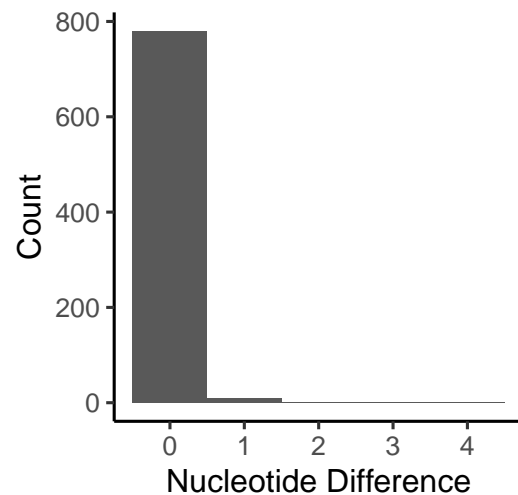
TRBV7-1*ap01_T296C

80 sequences assigned
6 (7.5%) exact matches, in which:
6 unique CDR3
4 unique J



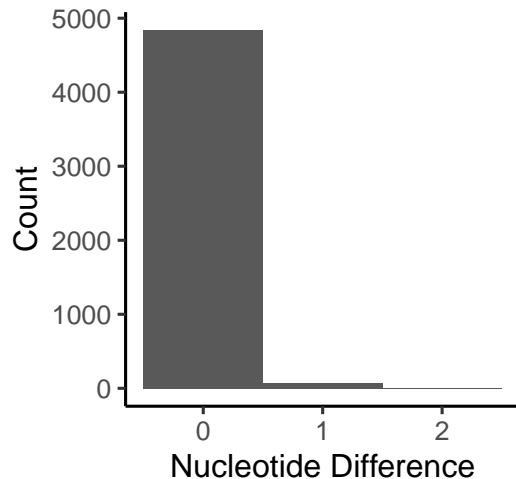
TRBV7-3*ap03

793 sequences assigned
780 (98.4%) exact matches, in which:
751 unique CDR3
13 unique J



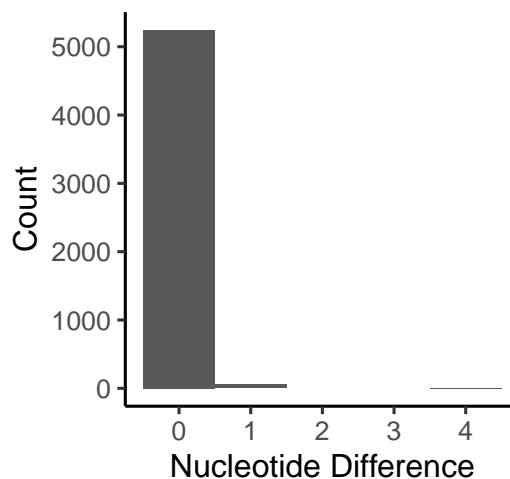
TRBV6-56*ap01

4916 sequences assigned
4840 (98.5%) exact matches, in which:
4635 unique CDR3
13 unique J



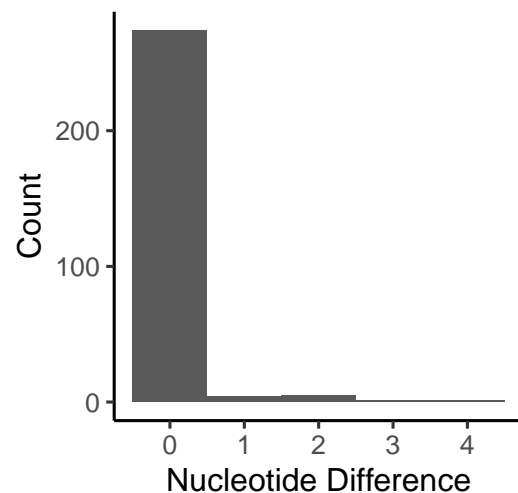
TRBV7-2*ap01

5299 sequences assigned
5244 (99%) exact matches, in which:
5103 unique CDR3
13 unique J



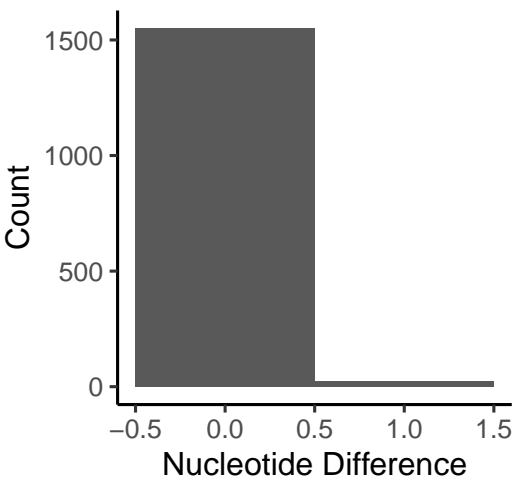
TRBV7-4*ap01

285 sequences assigned
274 (96.1%) exact matches, in which:
260 unique CDR3
13 unique J



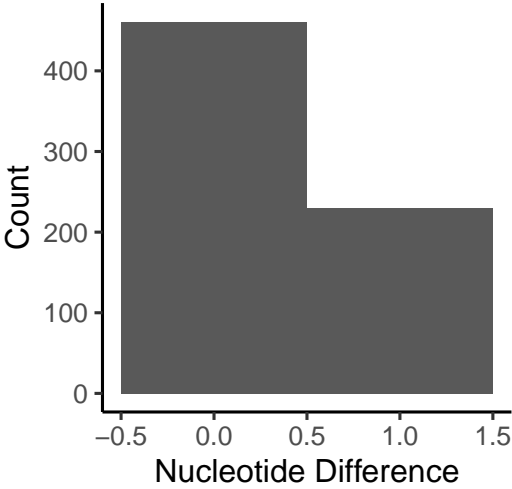
TRBV7-6*ap01

1573 sequences assigned
1550 (98.5%) exact matches, in which:
1500 unique CDR3
13 unique J



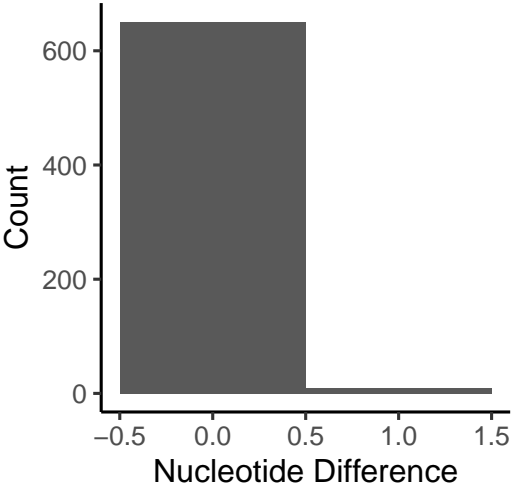
TRBV7-8*ap03

691 sequences assigned
461 (66.7%) exact matches, in which:
448 unique CDR3
13 unique J



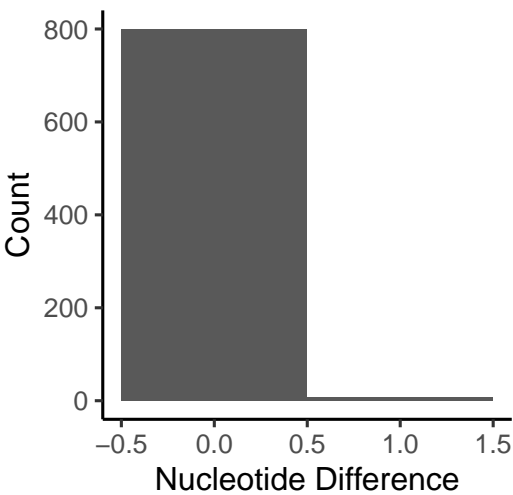
TRBV29-1*ap02

661 sequences assigned
651 (98.5%) exact matches, in which:
632 unique CDR3
13 unique J



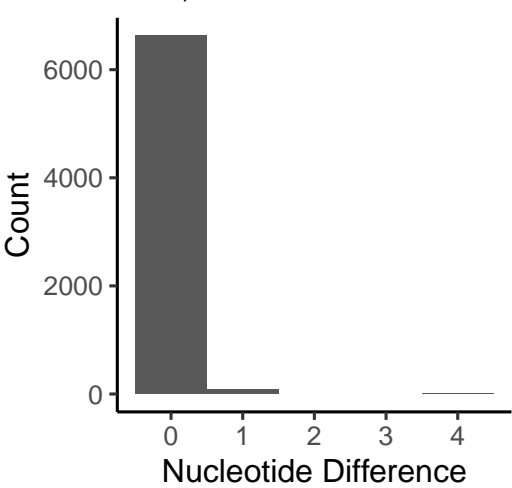
TRBV7-7*ap01_C315T

808 sequences assigned
800 (99%) exact matches, in which:
783 unique CDR3
13 unique J



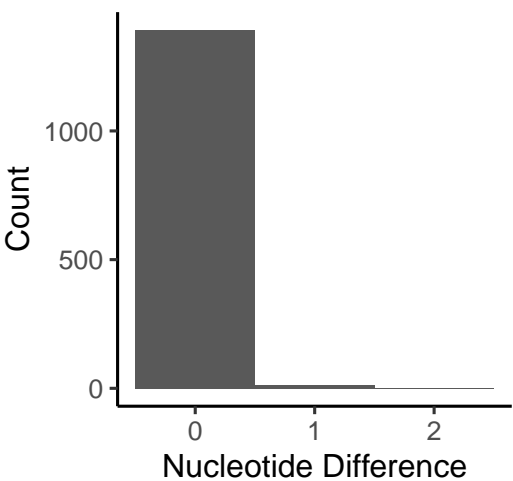
TRBV7-9*ap01

6716 sequences assigned
6628 (98.7%) exact matches, in which:
6428 unique CDR3
13 unique J



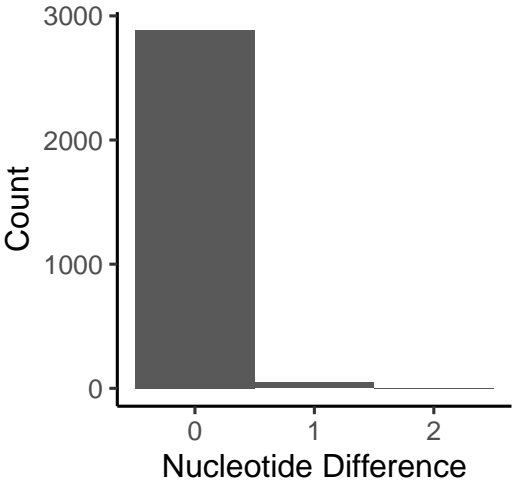
TRBV7-8*ap01

1407 sequences assigned
1392 (98.9%) exact matches, in which:
1342 unique CDR3
13 unique J

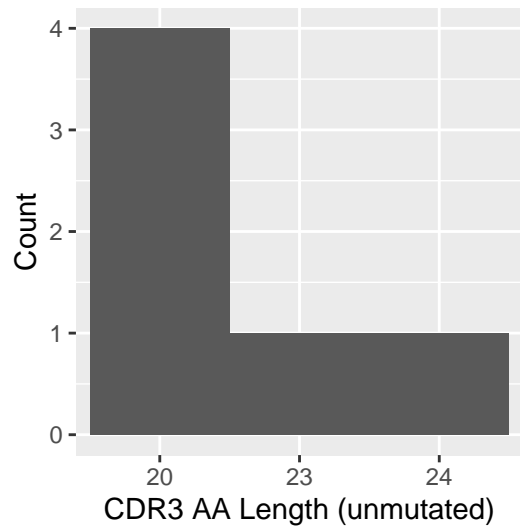


TRBV29-1*ap01

2935 sequences assigned
2886 (98.3%) exact matches, in which:
2775 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

