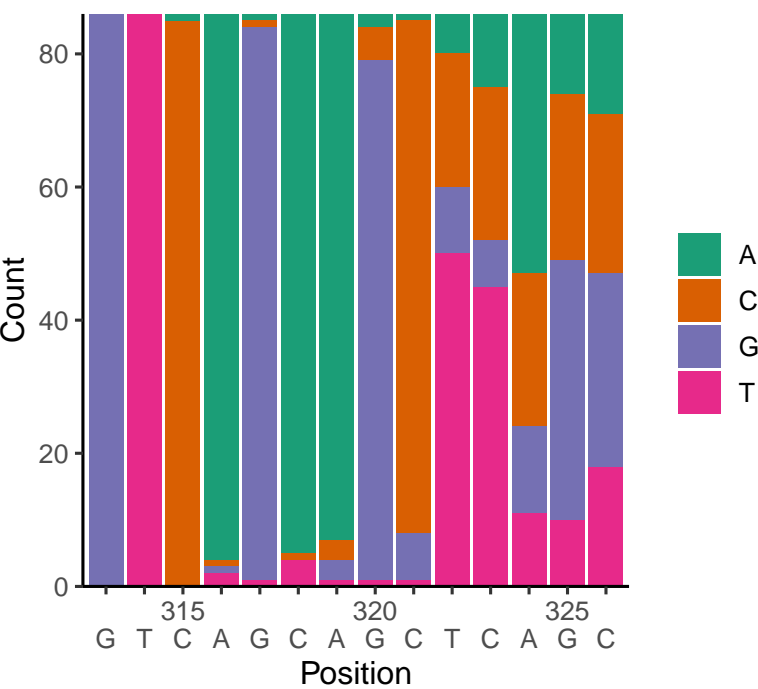
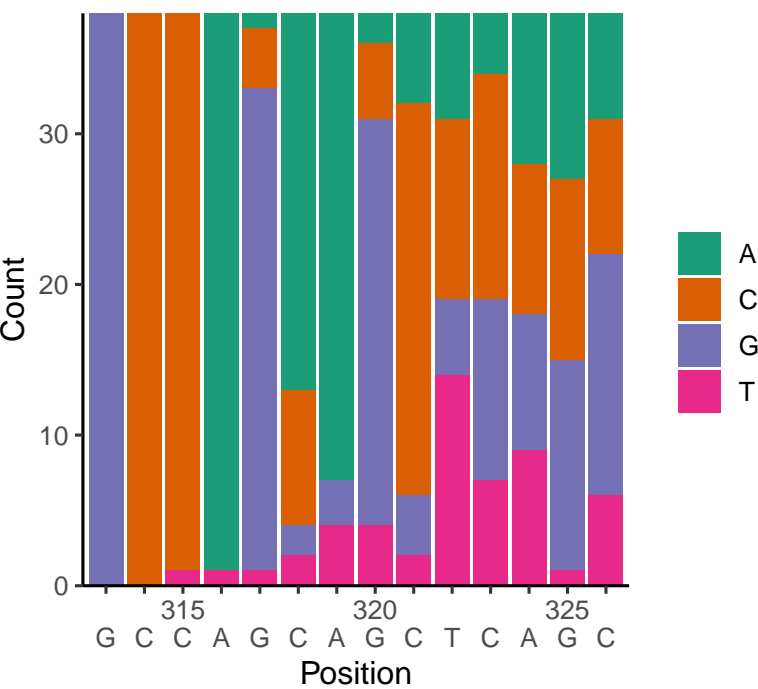


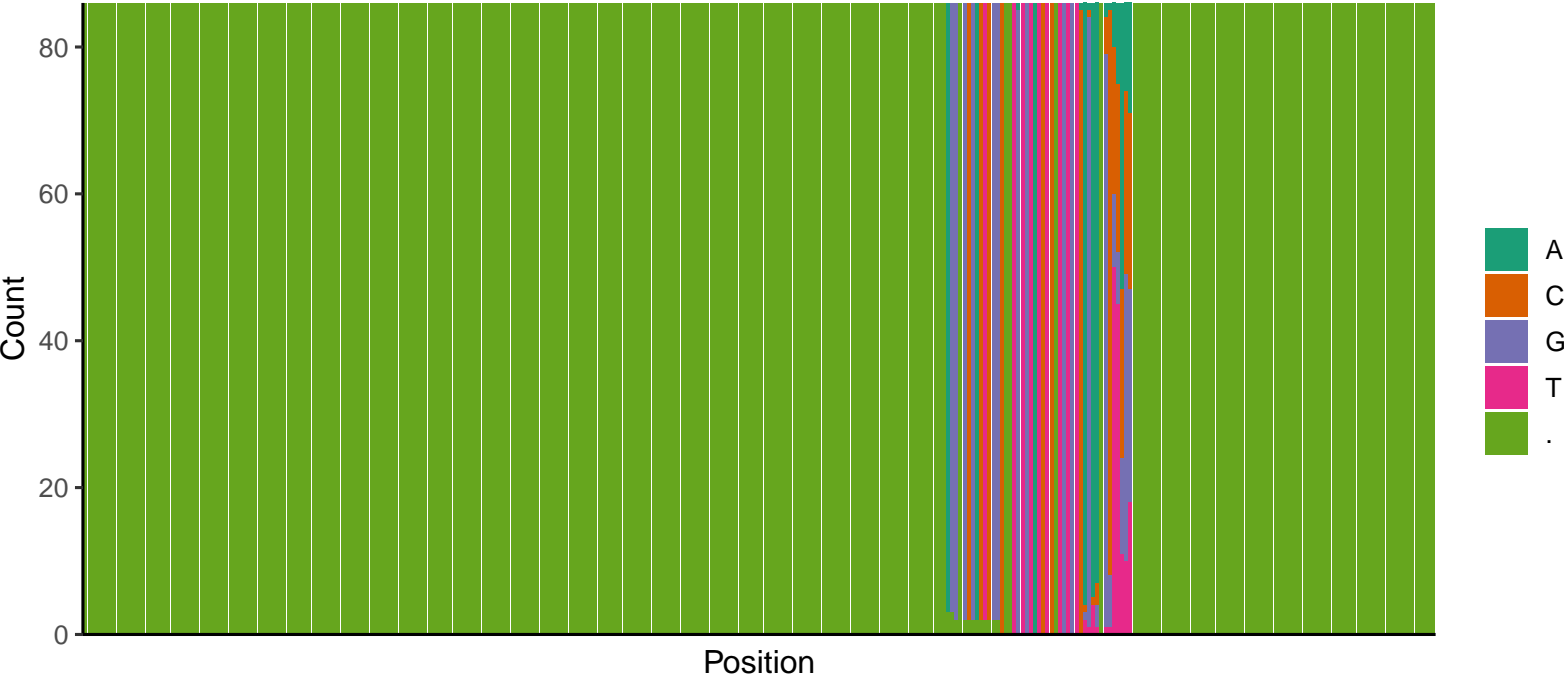
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C



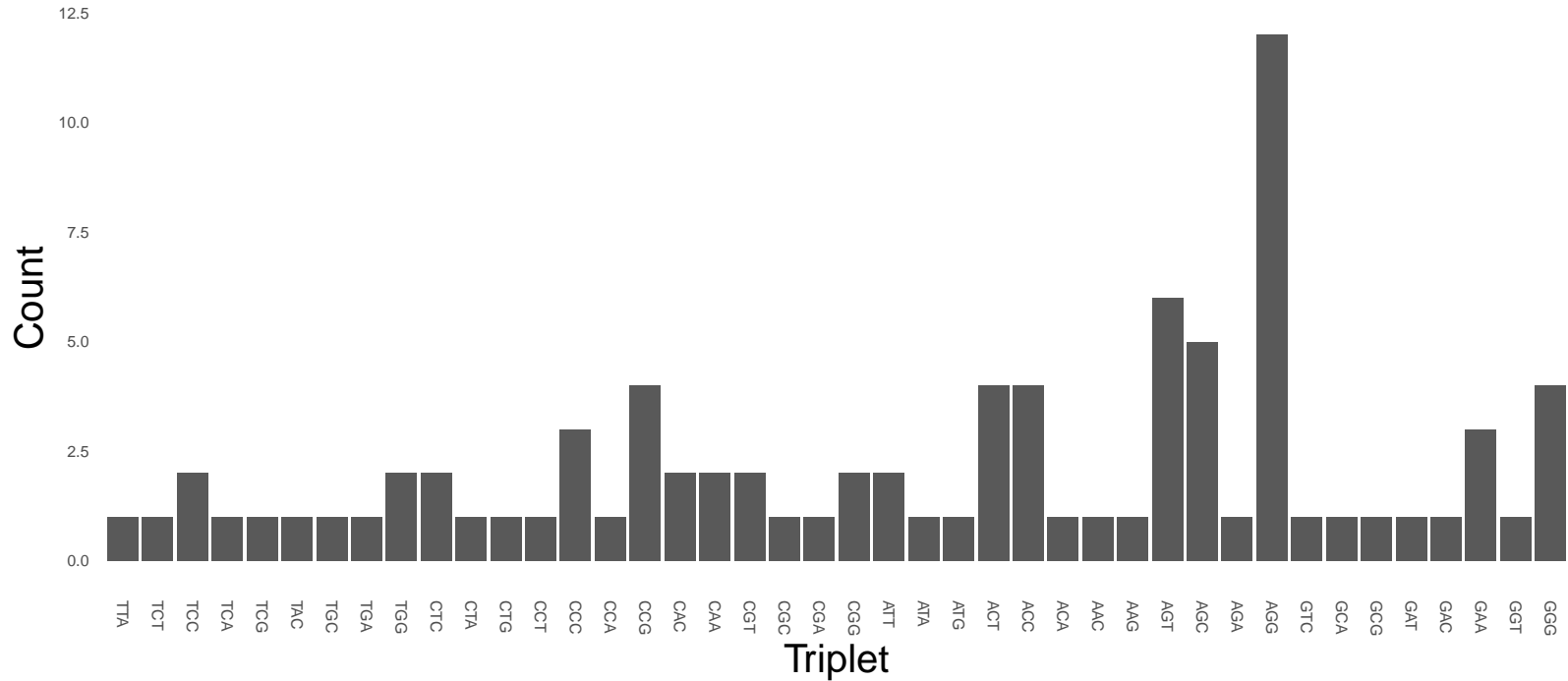
Gene TRBV7-1*ap01_T296C_C314T



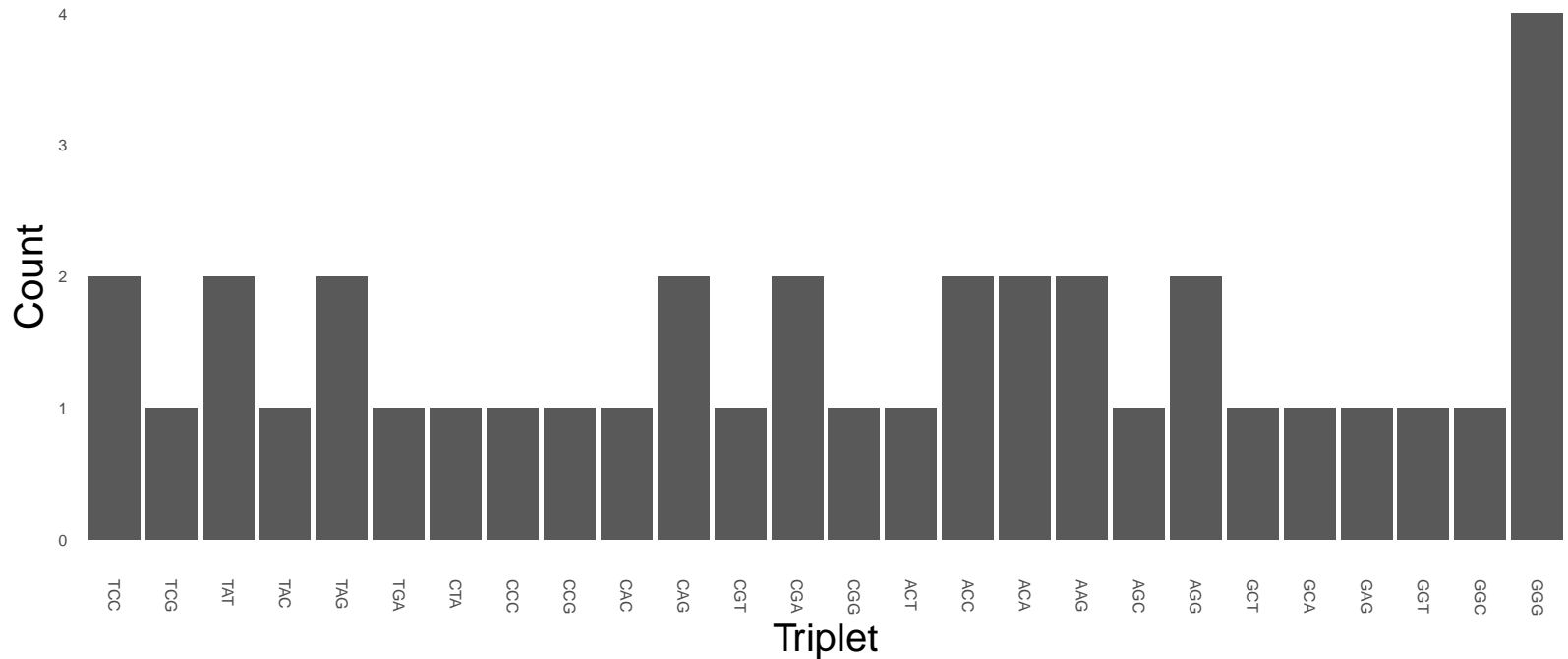
Gene TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

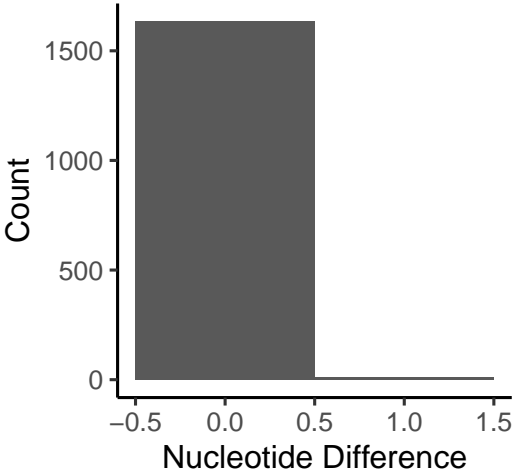


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



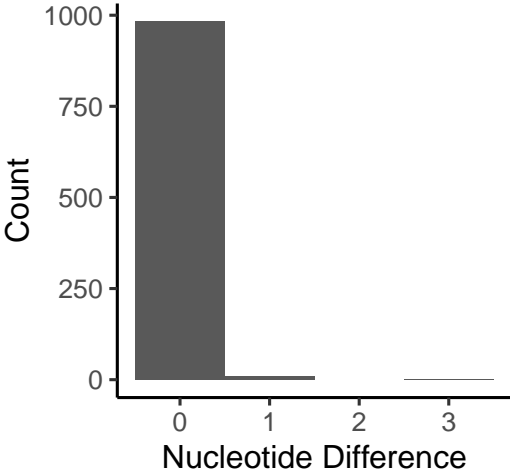
TRBV10-1*ap01

1645 sequences assigned
1634 (99.3%) exact matches, in which:
1606 unique CDR3
13 unique J



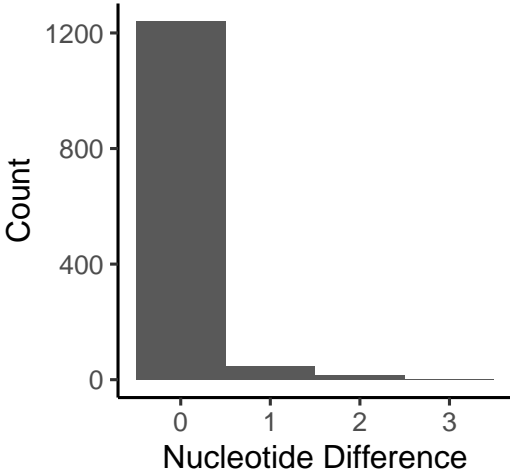
TRBV10-2*ap01

995 sequences assigned
983 (98.8%) exact matches, in which:
971 unique CDR3
13 unique J



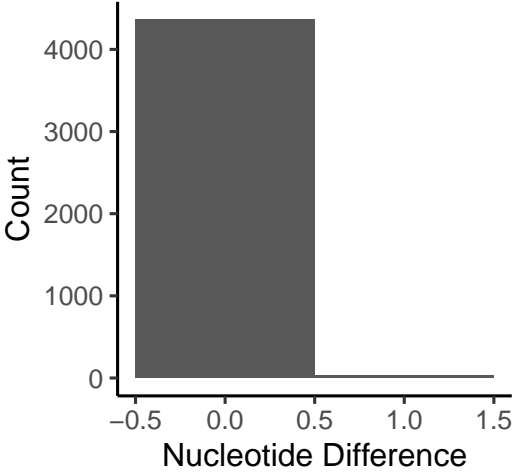
TRBV13*ap01

1303 sequences assigned
1240 (95.2%) exact matches, in which:
1203 unique CDR3
13 unique J



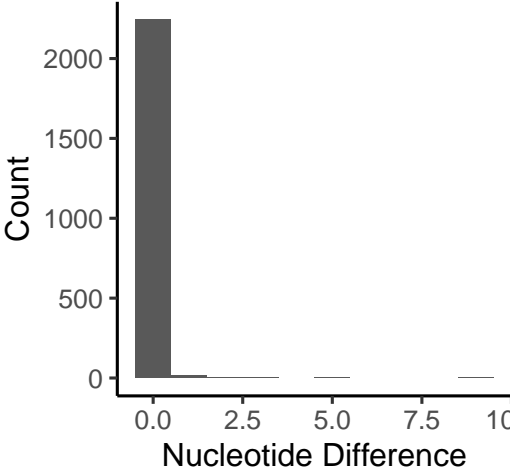
TRBV20-1*ap01

4387 sequences assigned
4361 (99.4%) exact matches, in which:
4327 unique CDR3
13 unique J



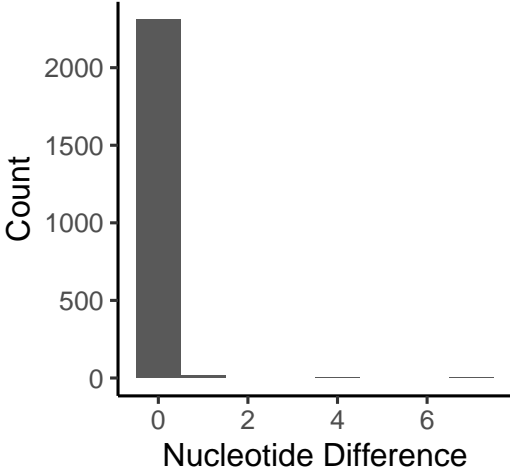
TRBV10-3*ap01

2265 sequences assigned
2243 (99%) exact matches, in which:
2201 unique CDR3
13 unique J



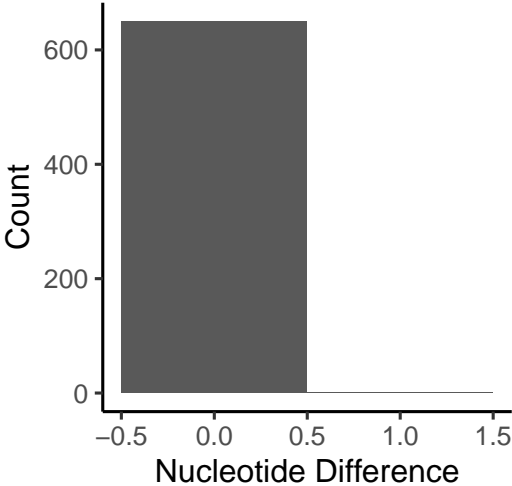
TRBV14*ap01

2327 sequences assigned
2309 (99.2%) exact matches, in which:
2279 unique CDR3
13 unique J



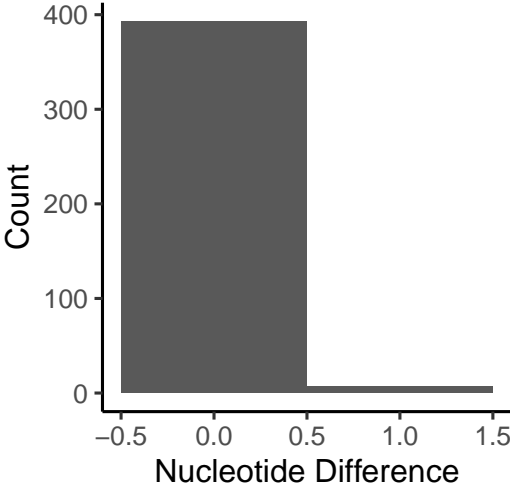
TRBV20-1*ap02

651 sequences assigned
650 (99.8%) exact matches, in which:
647 unique CDR3
13 unique J



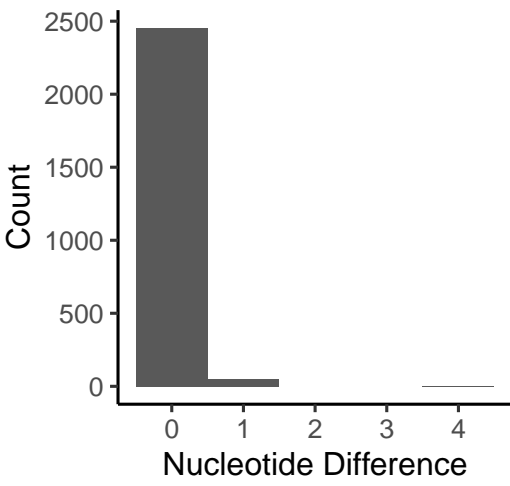
TRBV1*ap01

400 sequences assigned
393 (98.2%) exact matches, in which:
383 unique CDR3
13 unique J



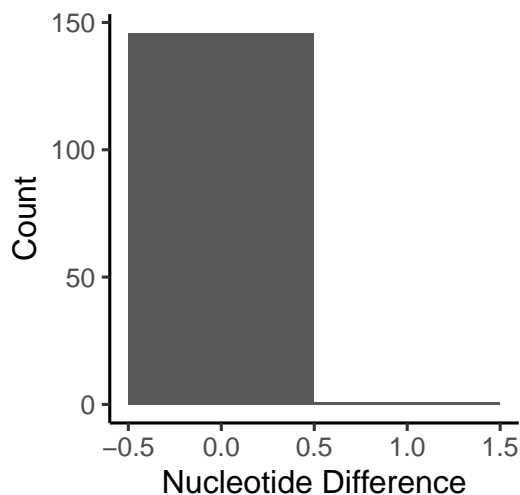
TRBV15*ap02

2506 sequences assigned
2453 (97.9%) exact matches, in which:
2400 unique CDR3
13 unique J



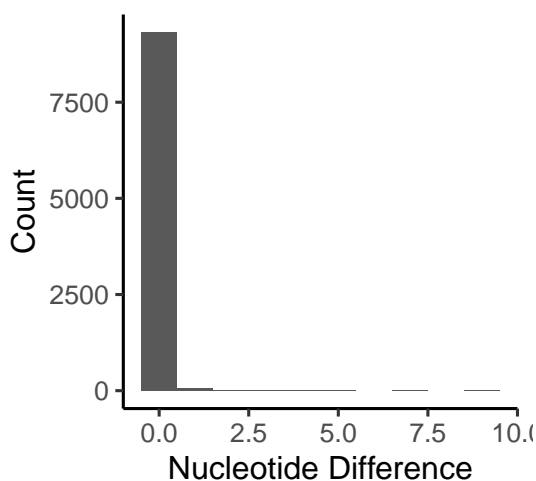
TRBV16*ap01

147 sequences assigned
146 (99.3%) exact matches, in which:
145 unique CDR3
13 unique J



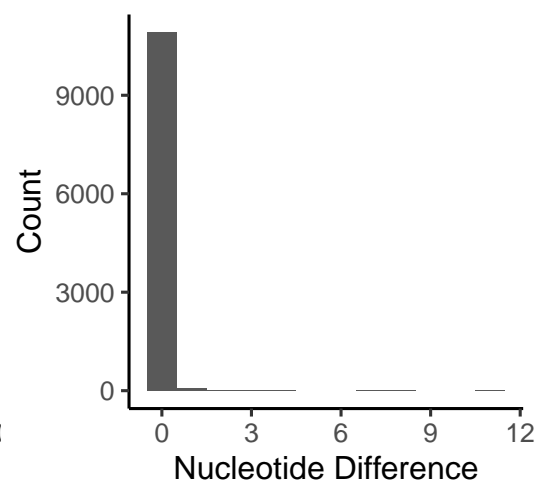
TRBV19*ap01

9406 sequences assigned
9315 (99%) exact matches, in which:
9237 unique CDR3
13 unique J



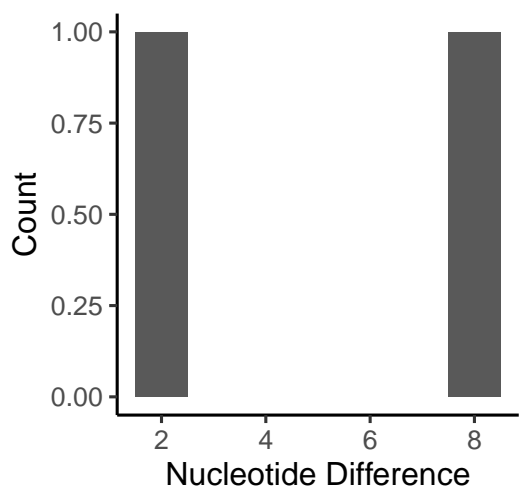
TRBV27*ap01

11000 sequences assigned
10915 (99.2%) exact matches, in which:
10780 unique CDR3
13 unique J



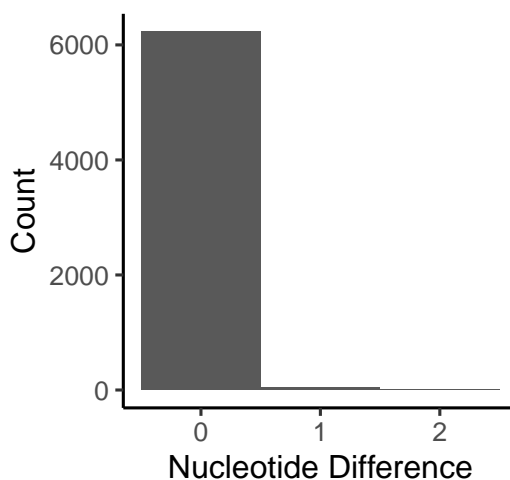
TRBV17*ap01

2 sequences assigned
No exact matches.



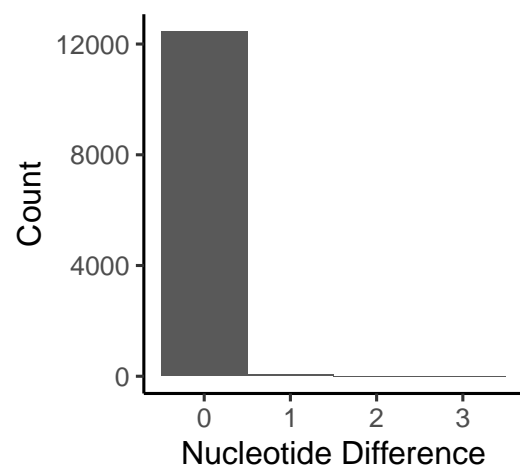
TRBV2*ap01

6279 sequences assigned
6229 (99.2%) exact matches, in which:
6145 unique CDR3
13 unique J



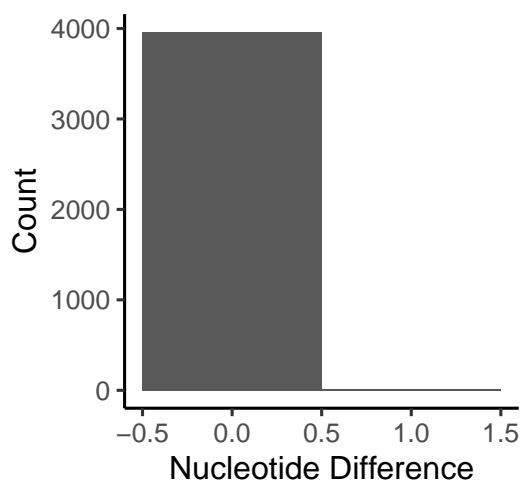
TRBV28*ap01

12526 sequences assigned
12454 (99.4%) exact matches, in which:
12326 unique CDR3
13 unique J



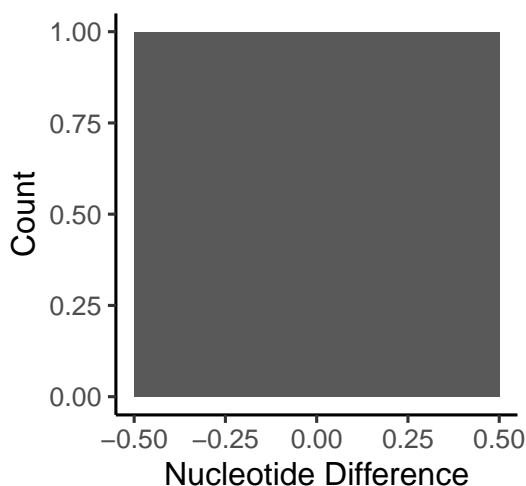
TRBV18*ap01

3973 sequences assigned
3961 (99.7%) exact matches, in which:
3924 unique CDR3
13 unique J



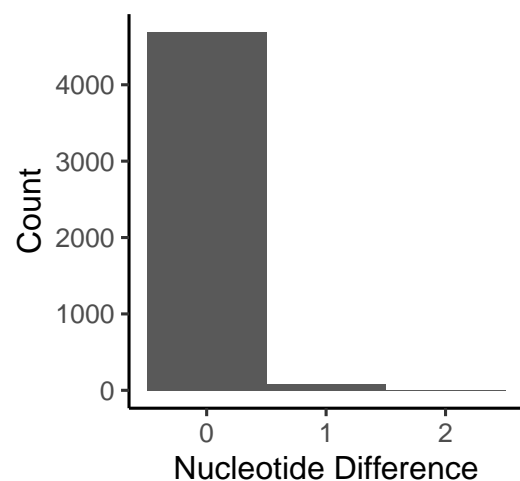
TRBV26*ap01

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



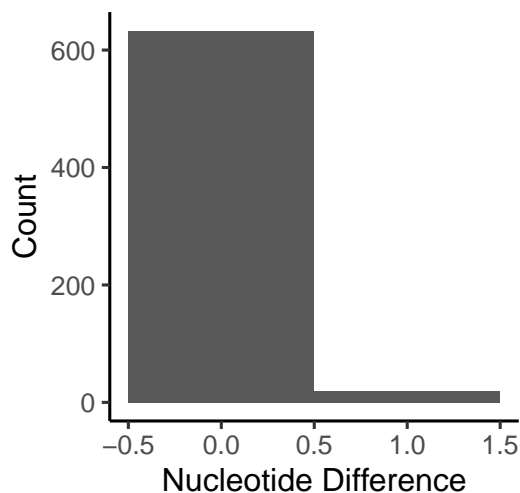
TRBV30*ap01

4770 sequences assigned
4690 (98.3%) exact matches, in which:
4578 unique CDR3
13 unique J



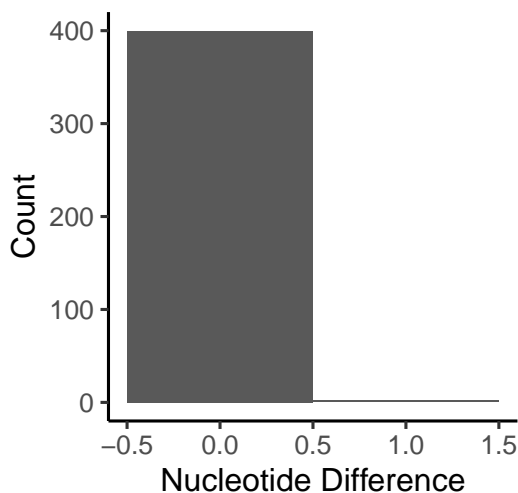
TRBV30*ap03

652 sequences assigned
633 (97.1%) exact matches, in which:
620 unique CDR3
13 unique J



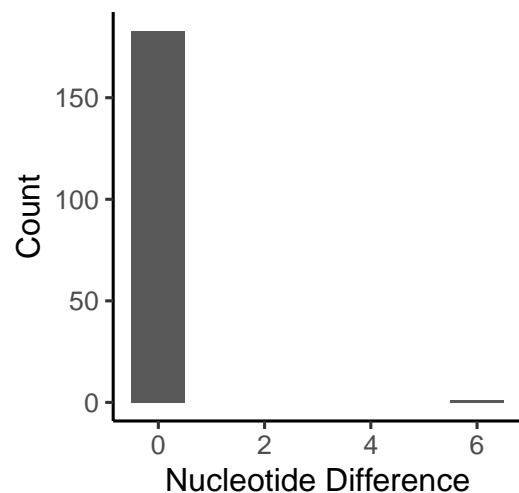
TRBV11-1*ap01

402 sequences assigned
400 (99.5%) exact matches, in which:
398 unique CDR3
13 unique J



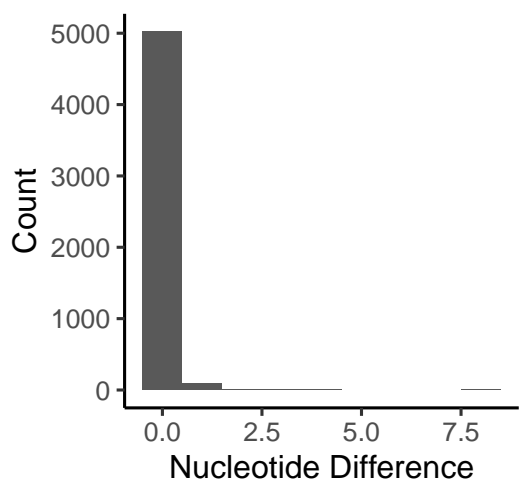
TRBV12-1*ap01

184 sequences assigned
183 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



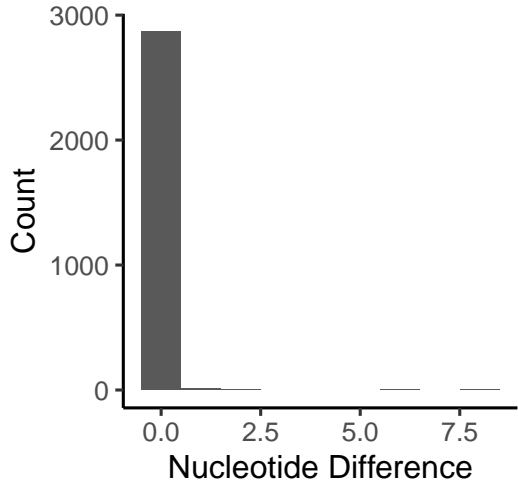
TRBV9*ap01

5124 sequences assigned
5021 (98%) exact matches, in which:
4981 unique CDR3
13 unique J



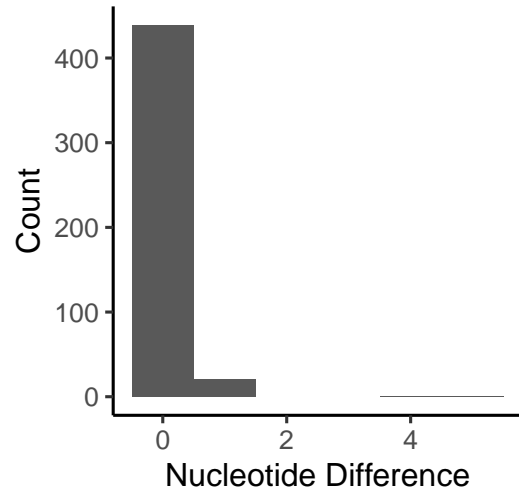
TRBV11-2*ap01

2879 sequences assigned
2867 (99.6%) exact matches, in which:
2855 unique CDR3
13 unique J



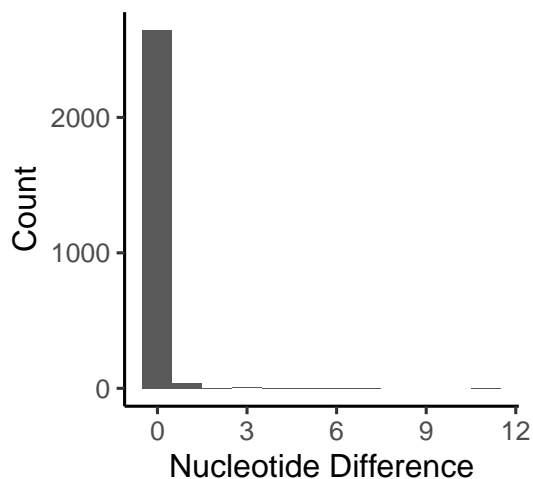
TRBV12-2*ap01

462 sequences assigned
439 (95%) exact matches, in which:
426 unique CDR3
13 unique J



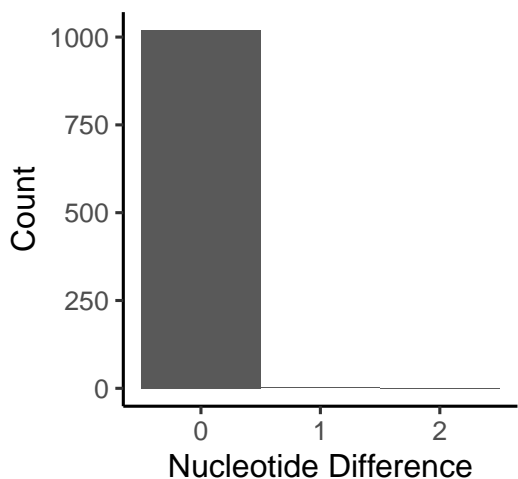
TRBV21-1*ap01

2701 sequences assigned
2645 (97.9%) exact matches, in which:
2616 unique CDR3
13 unique J



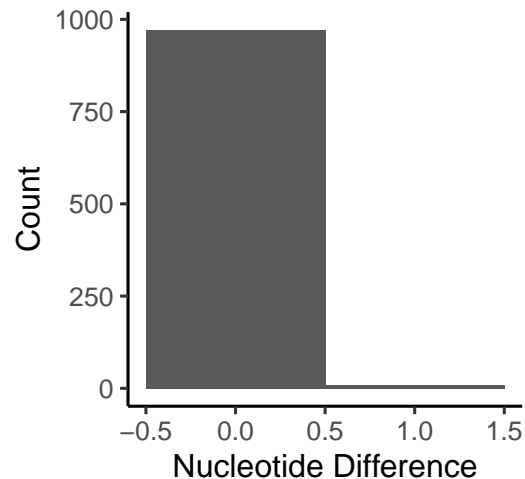
TRBV11-3*ap01

1023 sequences assigned
1020 (99.7%) exact matches, in which:
1008 unique CDR3
13 unique J



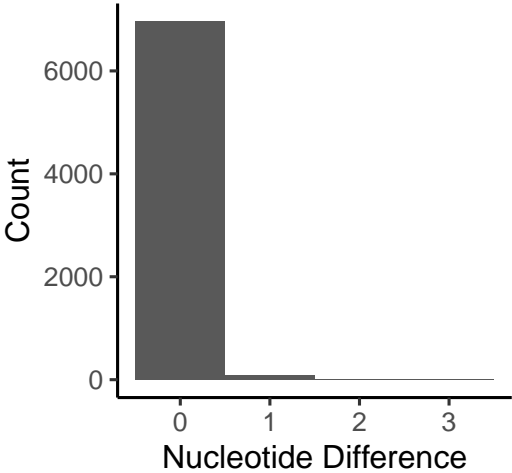
TRBV12-5*ap01

980 sequences assigned
971 (99.1%) exact matches, in which:
956 unique CDR3
13 unique J



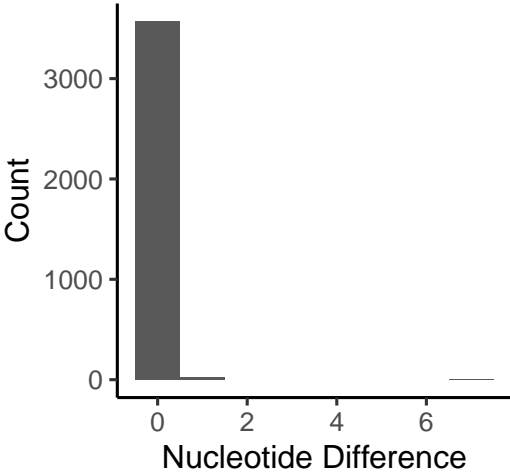
TRBV12-34*ap01

7045 sequences assigned
6962 (98.8%) exact matches, in which:
6846 unique CDR3
13 unique J



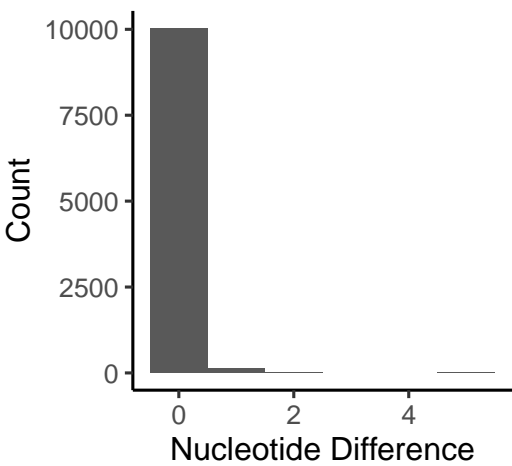
TRBV4-1*ap01

3600 sequences assigned
3570 (99.2%) exact matches, in which:
3487 unique CDR3
13 unique J



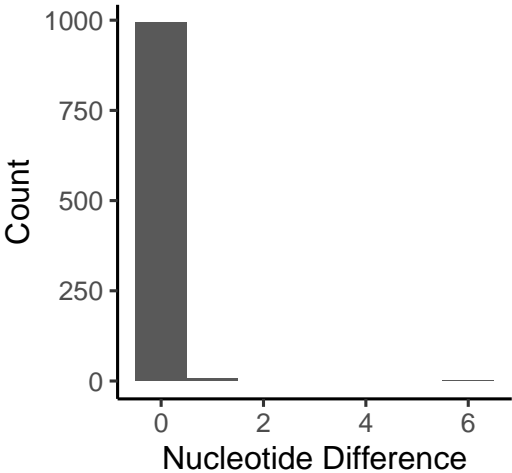
TRBV5-1*ap01

10173 sequences assigned
10034 (98.6%) exact matches, in which:
9851 unique CDR3
13 unique J



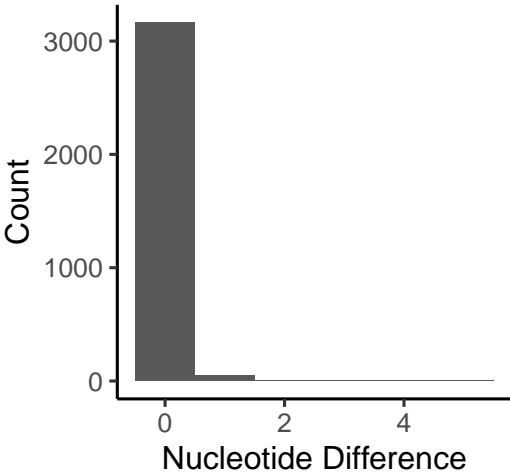
TRBV23-1*ap01

1002 sequences assigned
993 (99.1%) exact matches, in which:
980 unique CDR3
14 unique J



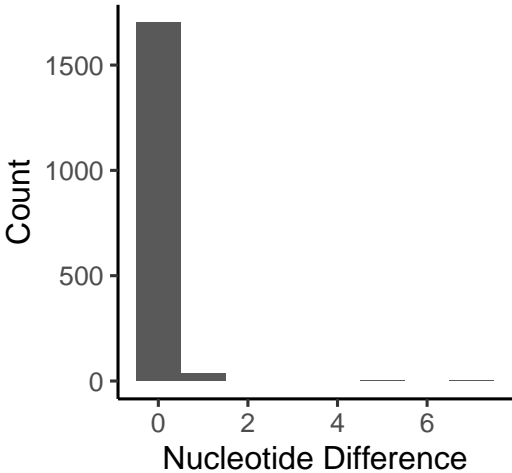
TRBV24-1*ap01

3217 sequences assigned
3162 (98.3%) exact matches, in which:
3109 unique CDR3
13 unique J



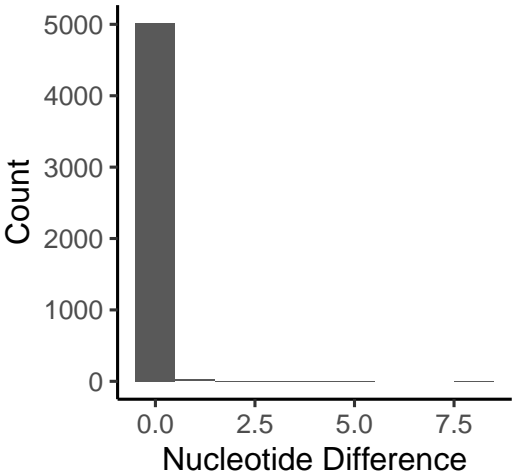
TRBV25-1*ap01

1739 sequences assigned
1701 (97.8%) exact matches, in which:
1650 unique CDR3
13 unique J



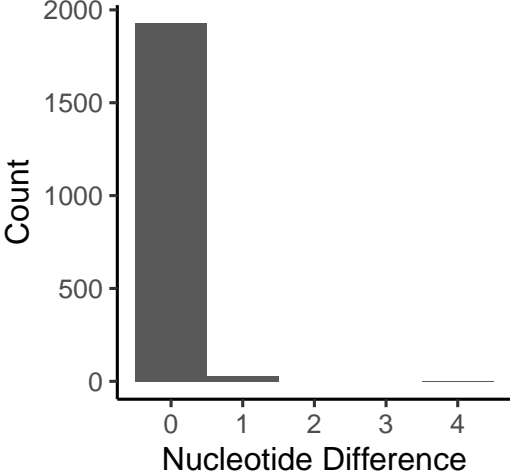
TRBV3-12*ap01

5050 sequences assigned
5018 (99.4%) exact matches, in which:
4978 unique CDR3
13 unique J



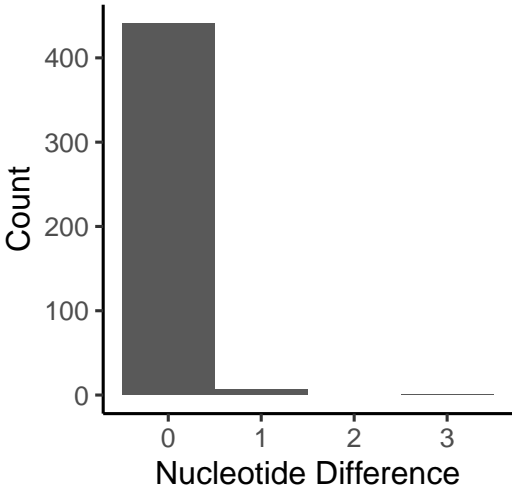
TRBV4-2*ap01

1960 sequences assigned
1929 (98.4%) exact matches, in which:
1896 unique CDR3
13 unique J



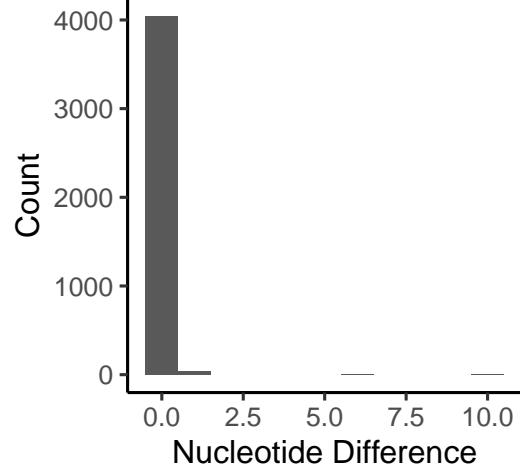
TRBV5-3*ap01

449 sequences assigned
441 (98.2%) exact matches, in which:
438 unique CDR3
13 unique J



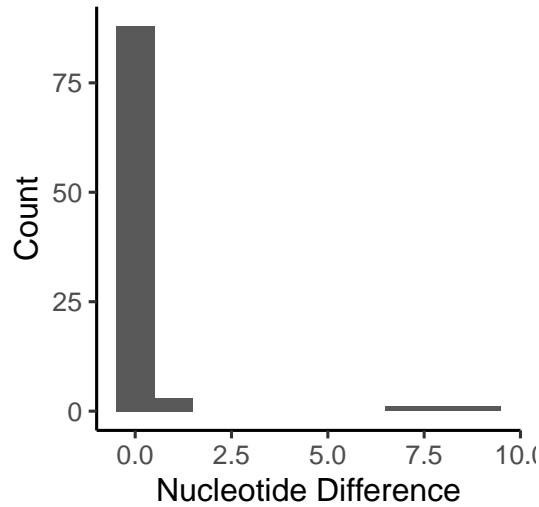
TRBV5-4*ap01

4086 sequences assigned
4040 (98.9%) exact matches, in which:
3964 unique CDR3
13 unique J



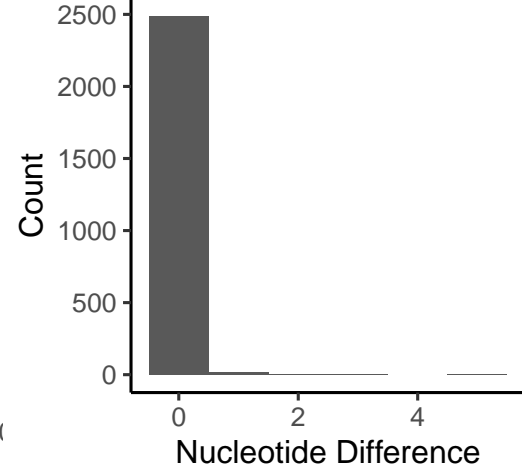
TRBV5-7*ap01

94 sequences assigned
88 (93.6%) exact matches, in which:
86 unique CDR3
12 unique J



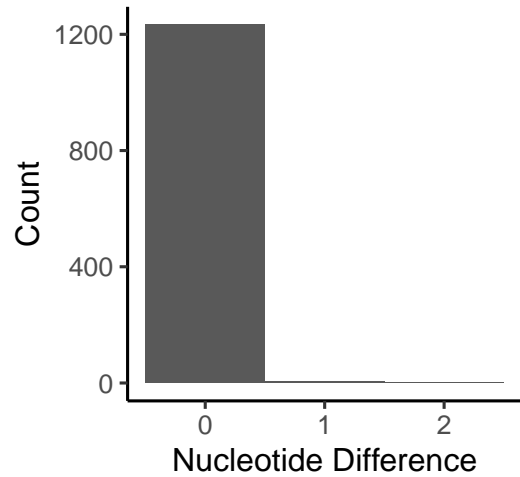
TRBV6-4*ap01

2508 sequences assigned
2486 (99.1%) exact matches, in which:
2456 unique CDR3
13 unique J



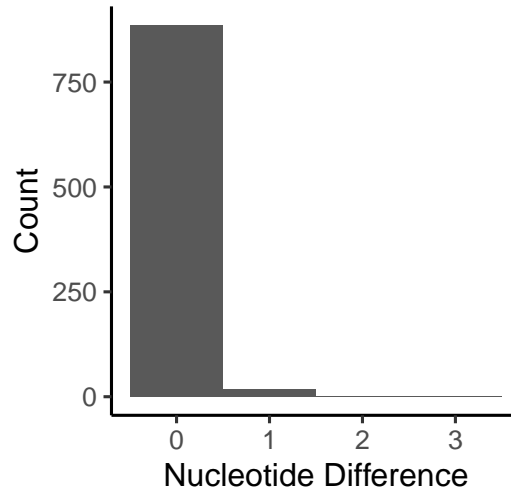
TRBV5-5*ap01

1238 sequences assigned
1233 (99.6%) exact matches, in which:
1229 unique CDR3
13 unique J



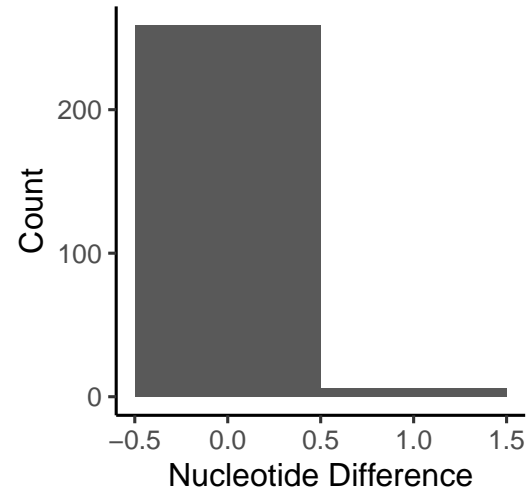
TRBV5-8*ap01

906 sequences assigned
886 (97.8%) exact matches, in which:
872 unique CDR3
13 unique J



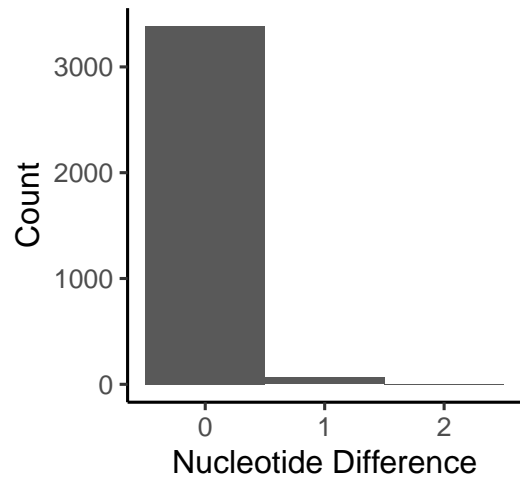
TRBV6-7*ap01

265 sequences assigned
259 (97.7%) exact matches, in which:
251 unique CDR3
13 unique J



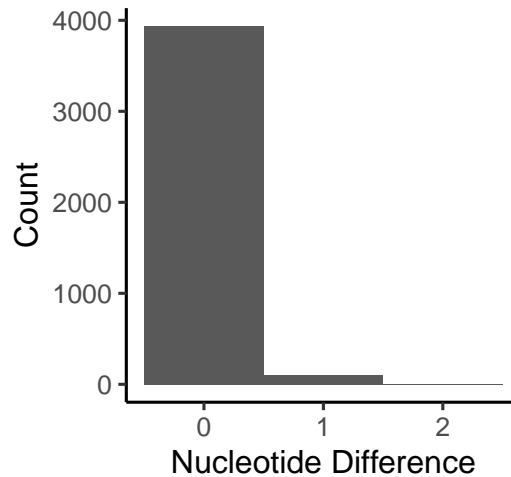
TRBV5-6*ap01

3450 sequences assigned
3386 (98.1%) exact matches, in which:
3313 unique CDR3
13 unique J



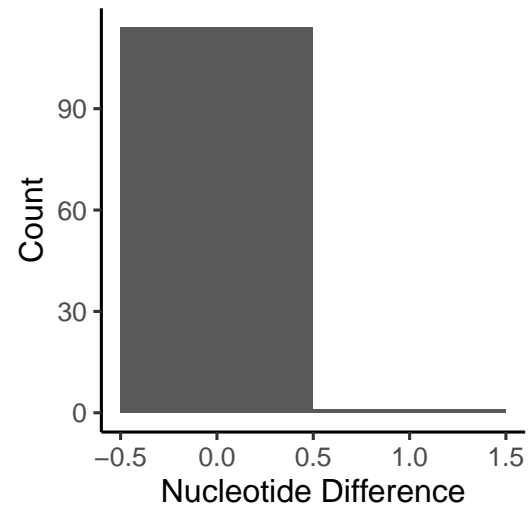
TRBV6-1*ap01

4038 sequences assigned
3937 (97.5%) exact matches, in which:
3854 unique CDR3
13 unique J



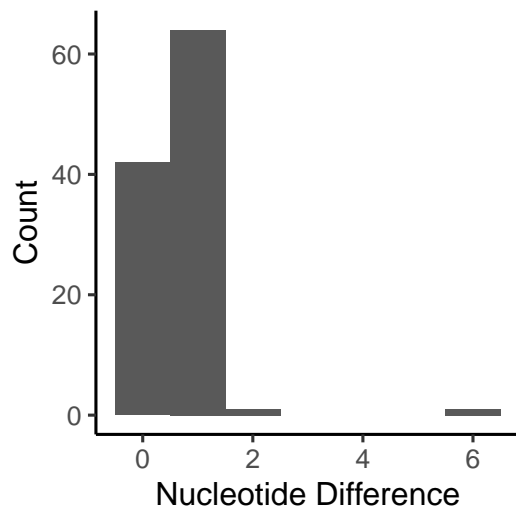
TRBV6-8*ap01

115 sequences assigned
114 (99.1%) exact matches, in which:
113 unique CDR3
13 unique J



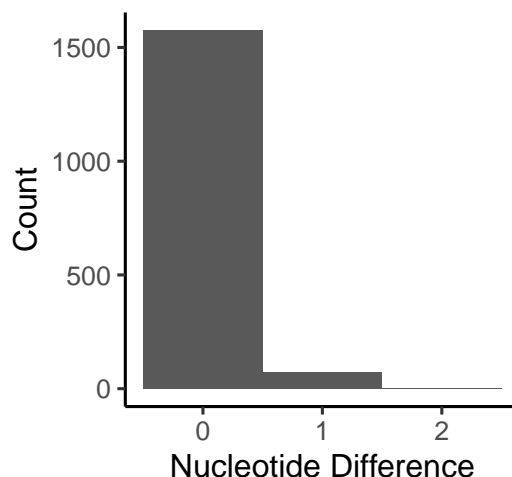
TRBV6-9*ap01

108 sequences assigned
42 (38.9%) exact matches, in which:
41 unique CDR3
9 unique J



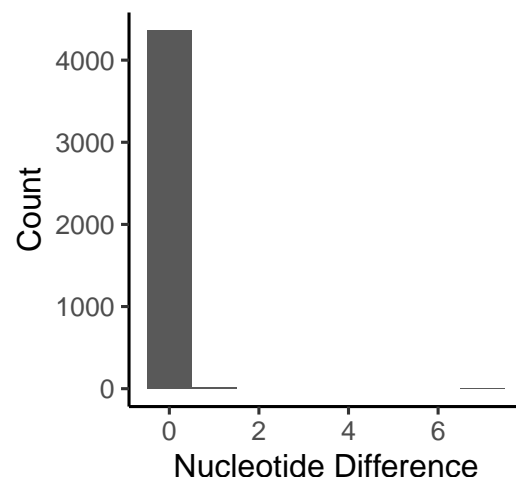
TRBV6-56*ap02

1647 sequences assigned
1575 (95.6%) exact matches, in which:
1532 unique CDR3
13 unique J



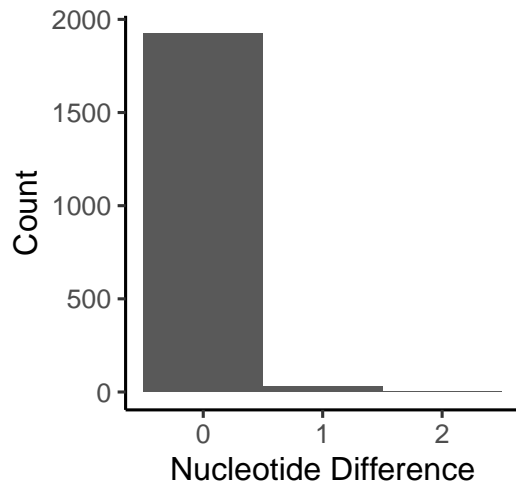
TRBV7-2*ap01

4384 sequences assigned
4362 (99.5%) exact matches, in which:
4314 unique CDR3
13 unique J



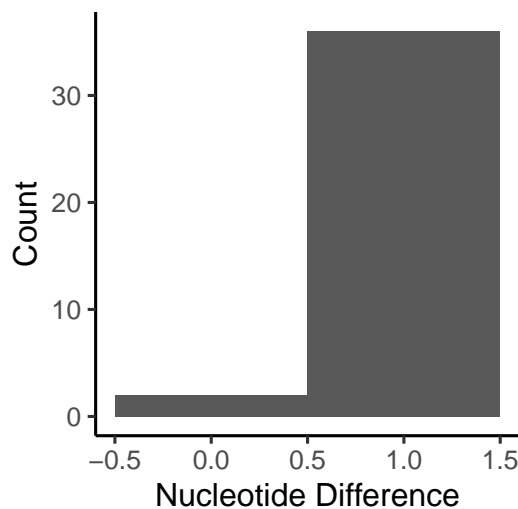
TRBV6-23*ap01

1954 sequences assigned
1923 (98.4%) exact matches, in which:
1870 unique CDR3
13 unique J



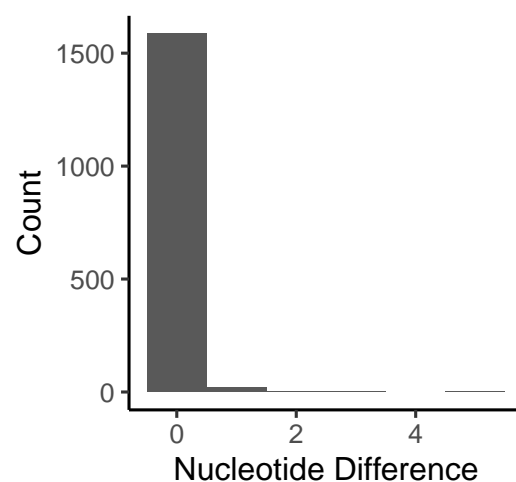
TRBV7-1*ap01_T296C

38 sequences assigned
2 (5.3%) exact matches, in which:
2 unique CDR3
2 unique J



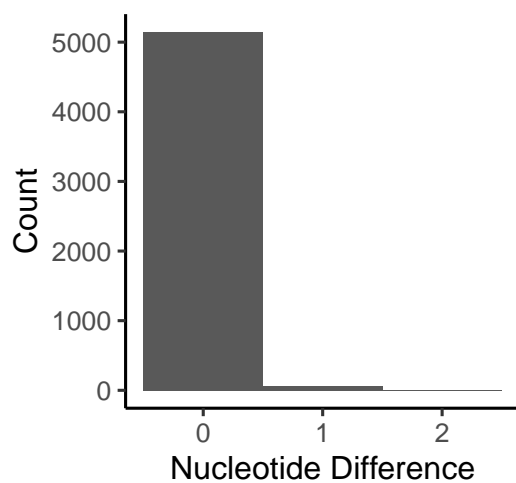
TRBV7-3*ap01

1608 sequences assigned
1586 (98.6%) exact matches, in which:
1573 unique CDR3
13 unique J



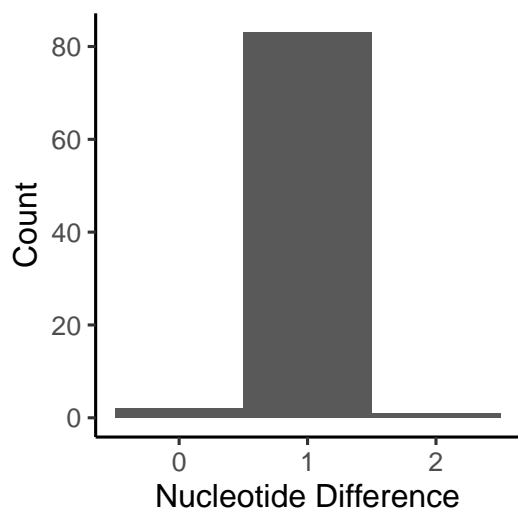
TRBV6-56*ap01

5205 sequences assigned
5145 (98.8%) exact matches, in which:
5019 unique CDR3
13 unique J



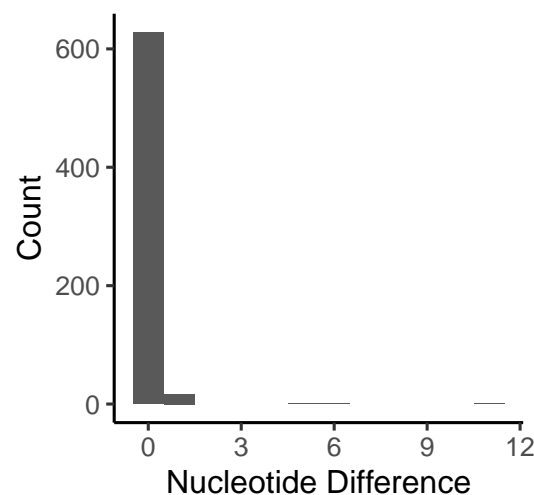
TRBV7-1*ap01_T296C_C

86 sequences assigned
2 (2.3%) exact matches, in which:
2 unique CDR3
1 unique J



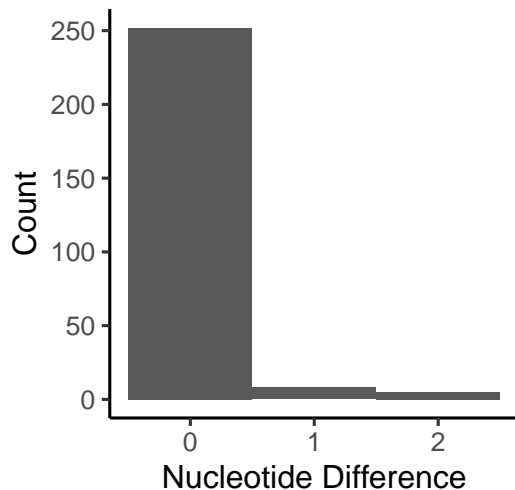
TRBV7-3*ap03

648 sequences assigned
628 (96.9%) exact matches, in which:
620 unique CDR3
13 unique J



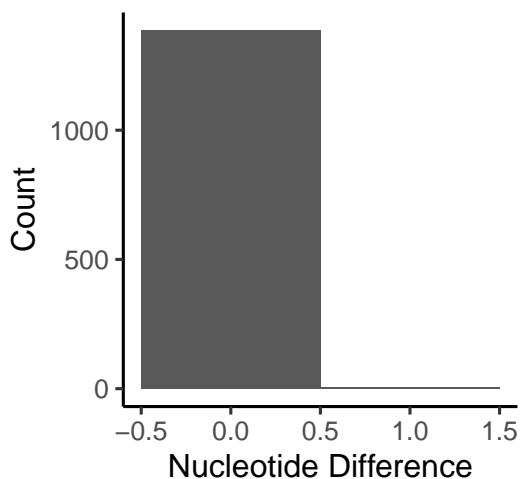
TRBV7-4*ap01

265 sequences assigned
252 (95.1%) exact matches, in which:
249 unique CDR3
13 unique J



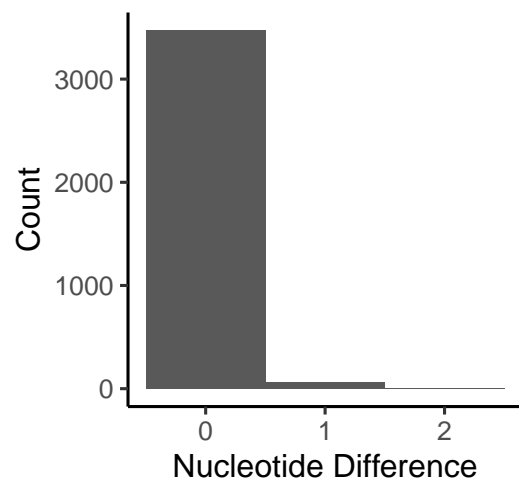
TRBV7-8*ap01

1392 sequences assigned
1386 (99.6%) exact matches, in which:
1362 unique CDR3
13 unique J



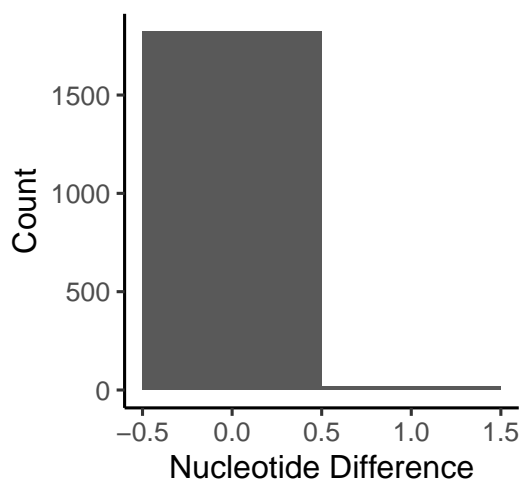
TRBV29-1*ap01

3535 sequences assigned
3472 (98.2%) exact matches, in which:
3378 unique CDR3
13 unique J



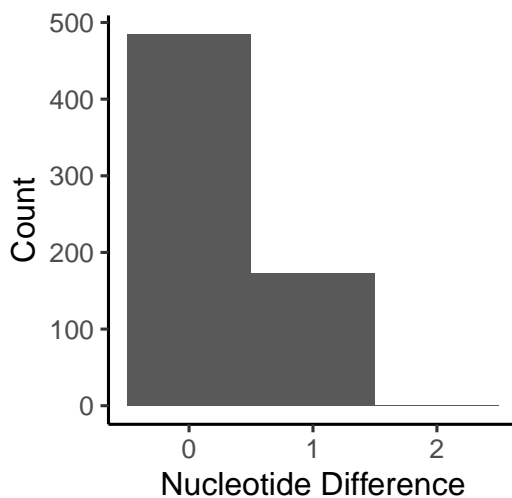
TRBV7-6*ap01

1842 sequences assigned
1822 (98.9%) exact matches, in which:
1796 unique CDR3
13 unique J



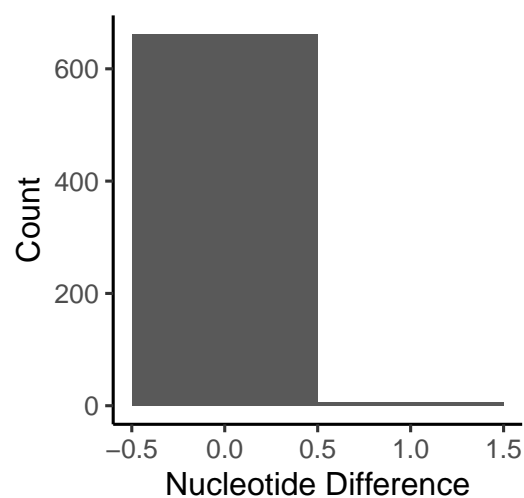
TRBV7-8*ap03

659 sequences assigned
485 (73.6%) exact matches, in which:
482 unique CDR3
12 unique J



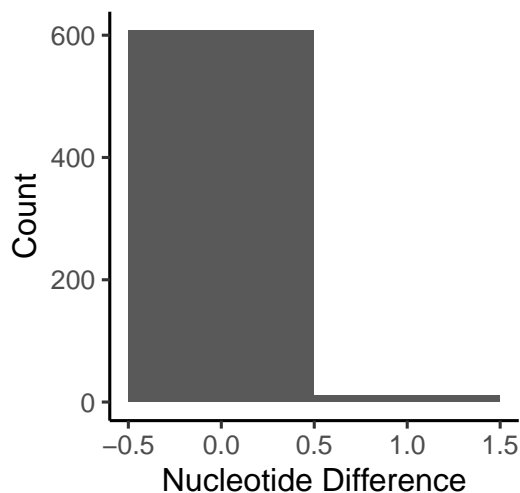
TRBV29-1*ap02

668 sequences assigned
662 (99.1%) exact matches, in which:
645 unique CDR3
13 unique J



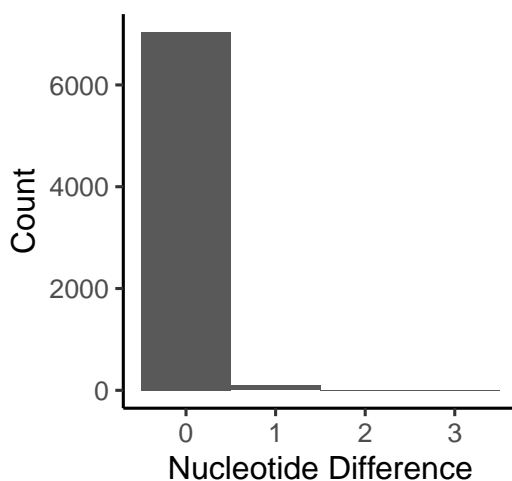
TRBV7-7*ap01

618 sequences assigned
608 (98.4%) exact matches, in which:
599 unique CDR3
13 unique J

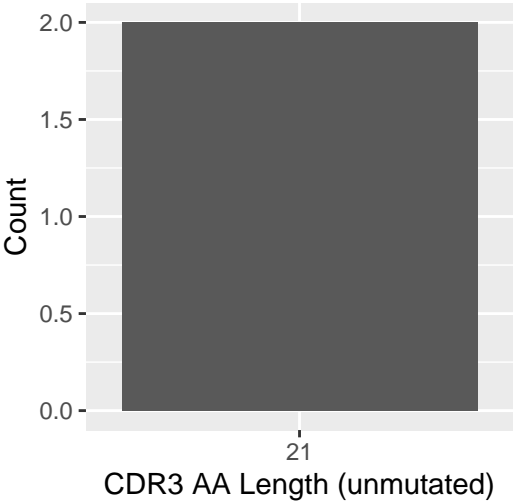


TRBV7-9*ap01

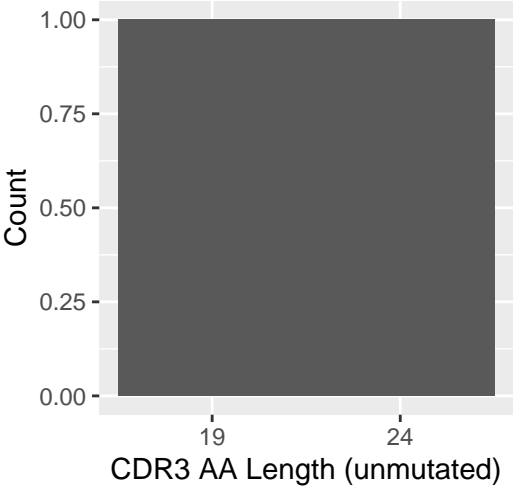
7137 sequences assigned
7039 (98.6%) exact matches, in which:
6948 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C





[illegible]