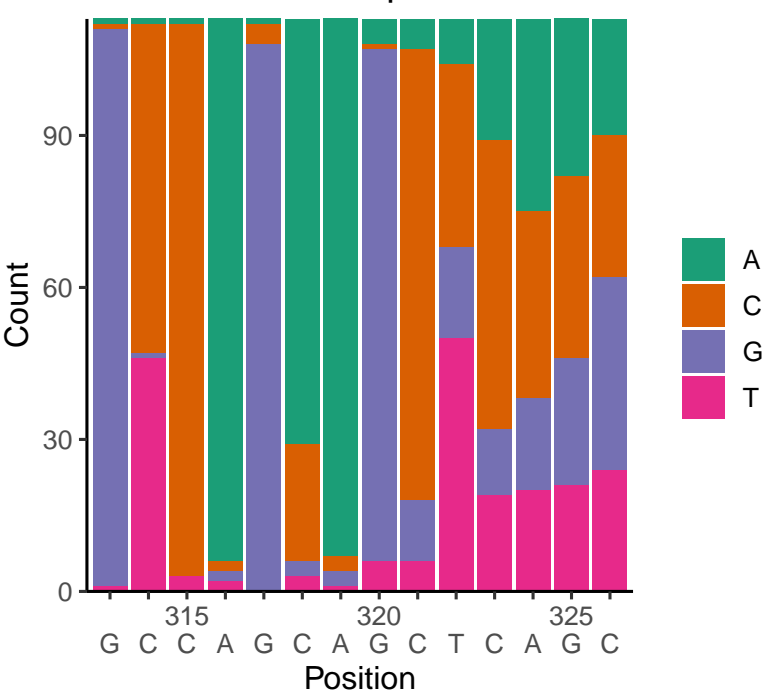
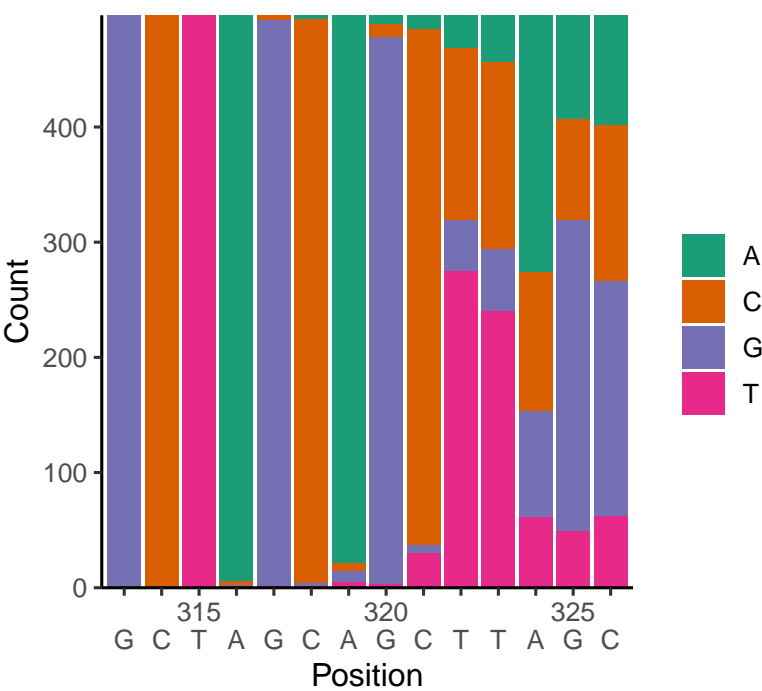


Gene TRBV7-1*ap01_T296C



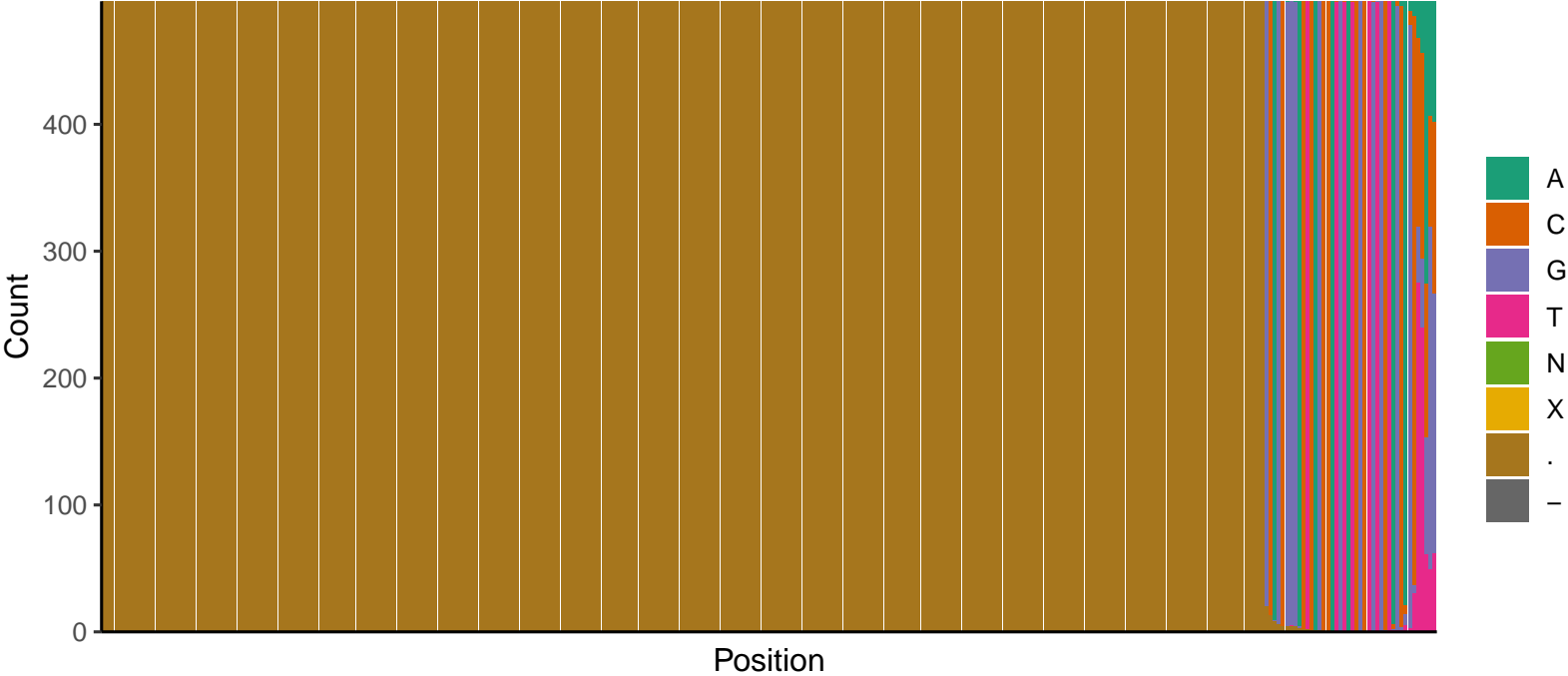
Gene TRBV7-7*ap01_C315T



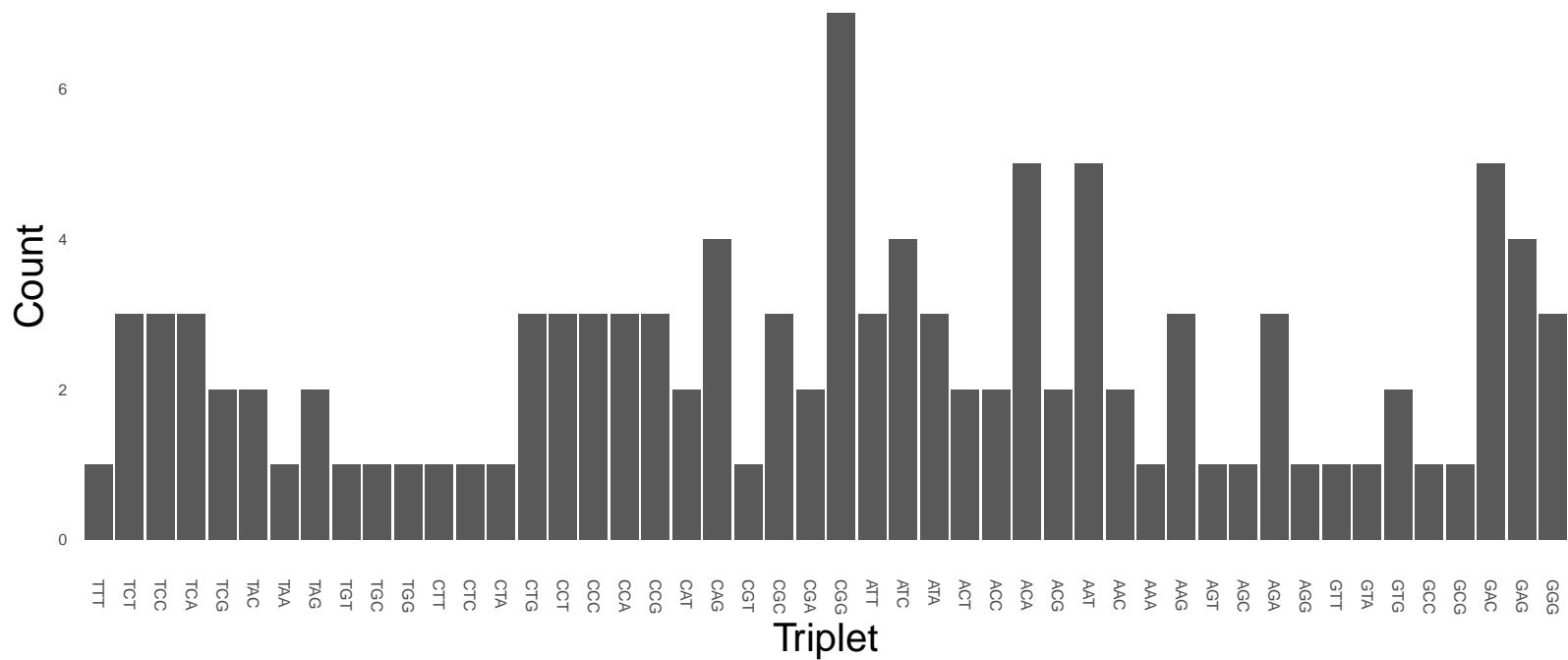
Gene TRBV7-1*ap01_T296C



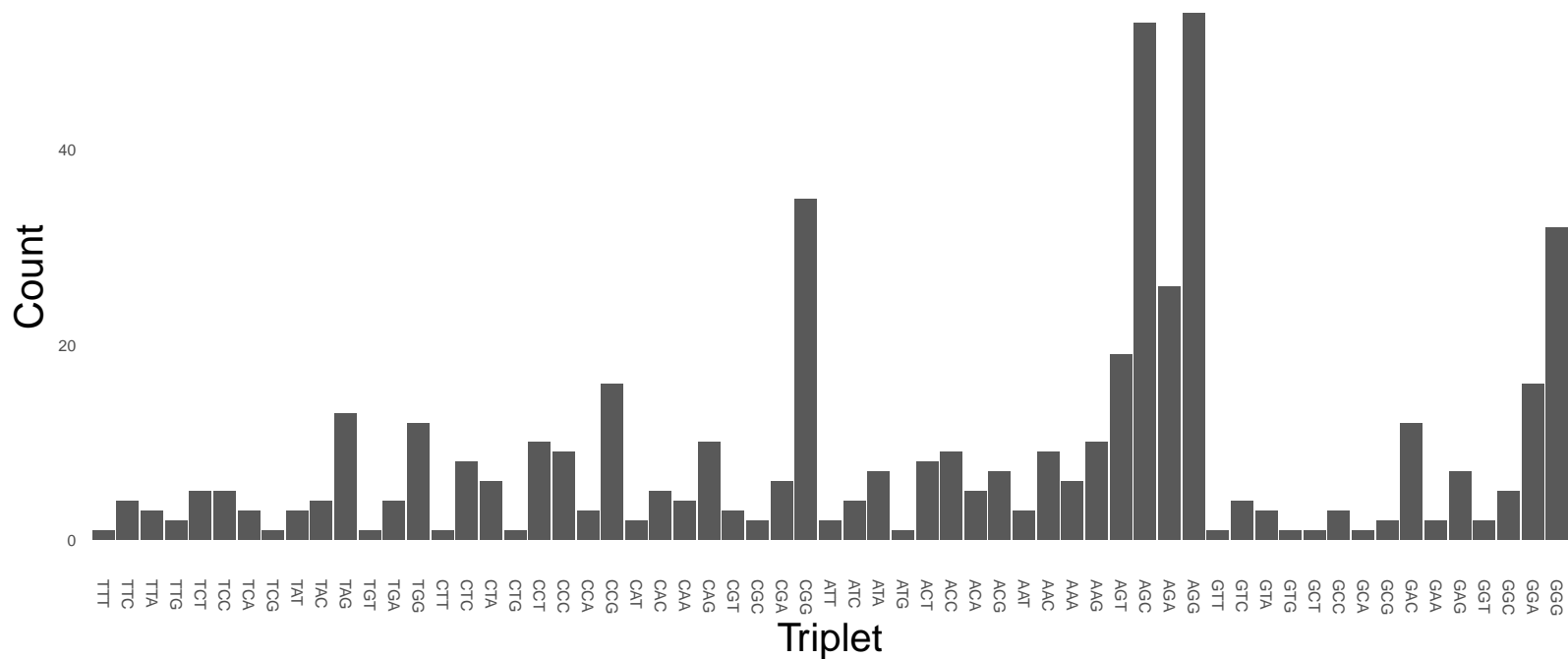
Gene TRBV7-7*ap01_C315T



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

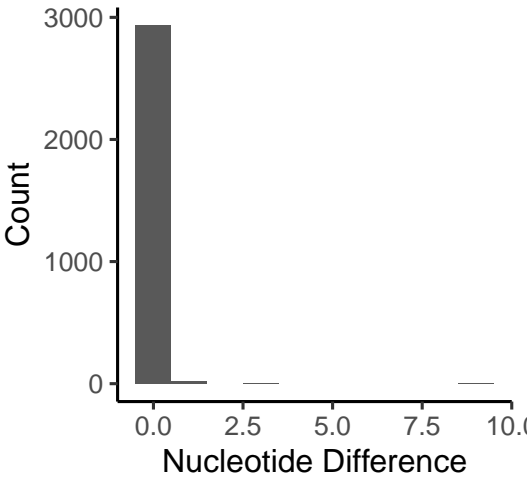


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



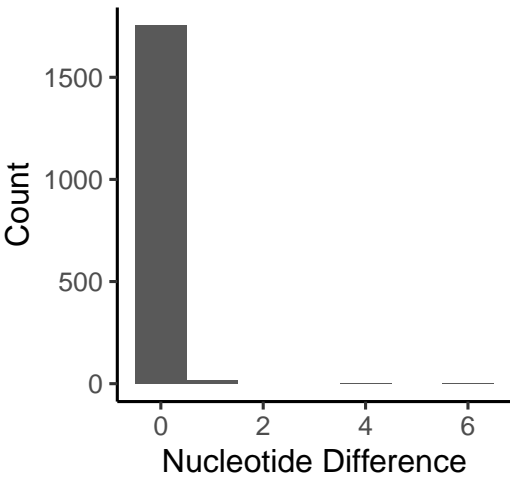
TRBV10-1*ap01

2961 sequences assigned
2934 (99.1%) exact matches, in which:
2825 unique CDR3
13 unique J



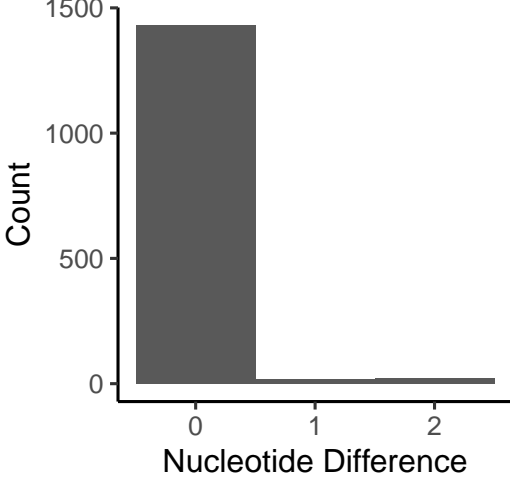
TRBV10-2*ap01

1773 sequences assigned
1754 (98.9%) exact matches, in which:
1702 unique CDR3
13 unique J



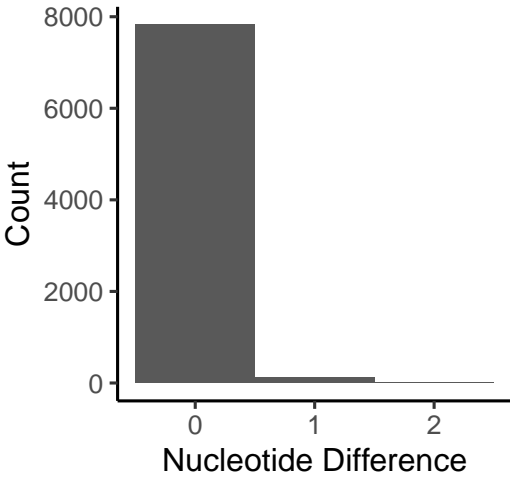
TRBV13*ap01

1469 sequences assigned
1430 (97.3%) exact matches, in which:
1380 unique CDR3
13 unique J



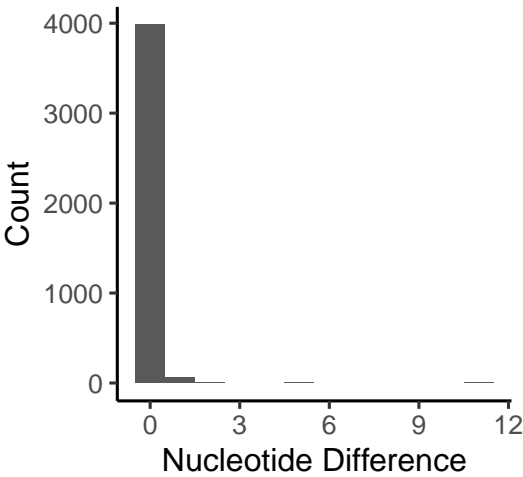
TRBV20-1*ap01

7947 sequences assigned
7825 (98.5%) exact matches, in which:
7618 unique CDR3
13 unique J



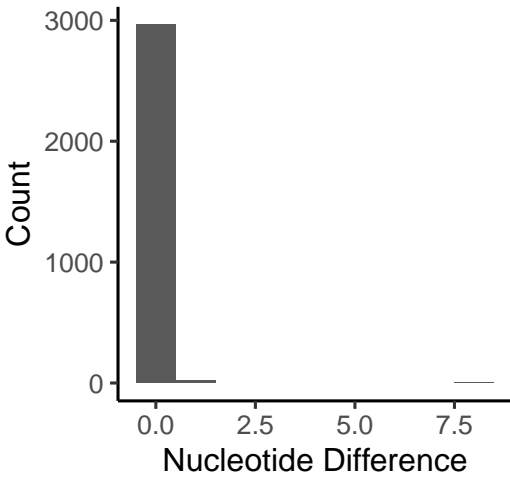
TRBV10-3*ap01

4043 sequences assigned
3983 (98.5%) exact matches, in which:
3860 unique CDR3
13 unique J



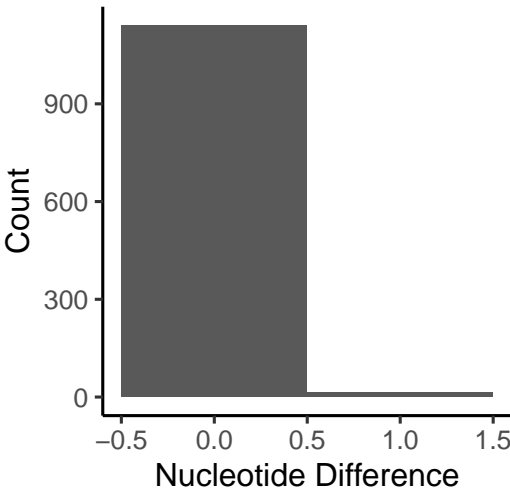
TRBV14*ap01

2988 sequences assigned
2964 (99.2%) exact matches, in which:
2887 unique CDR3
13 unique J



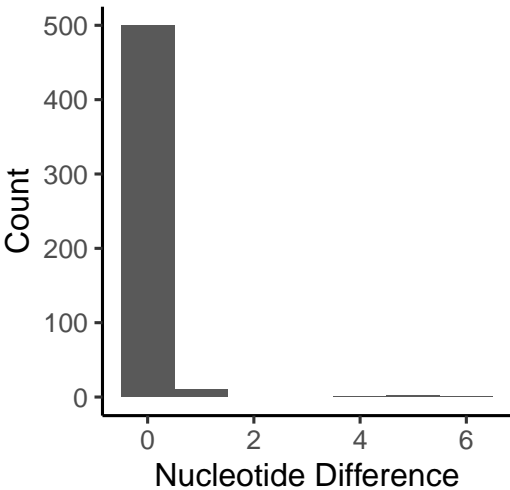
TRBV20-1*ap02

1156 sequences assigned
1141 (98.7%) exact matches, in which:
1115 unique CDR3
13 unique J



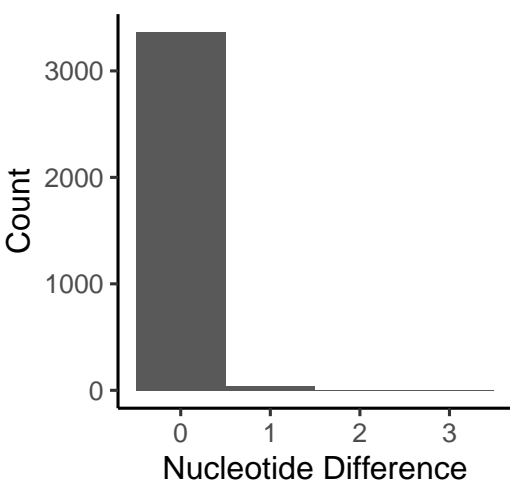
TRBV1*ap01

514 sequences assigned
500 (97.3%) exact matches, in which:
491 unique CDR3
13 unique J



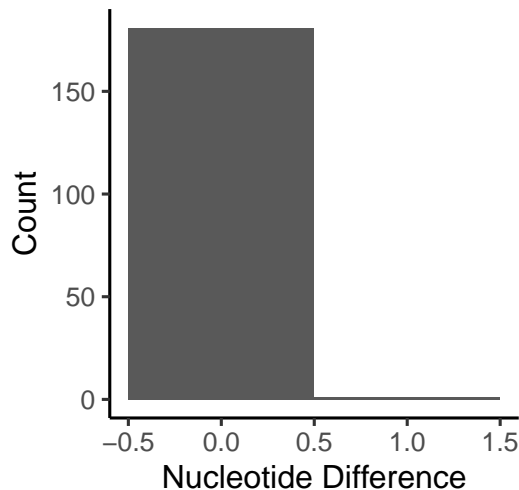
TRBV15*ap02

3407 sequences assigned
3365 (98.8%) exact matches, in which:
3261 unique CDR3
13 unique J



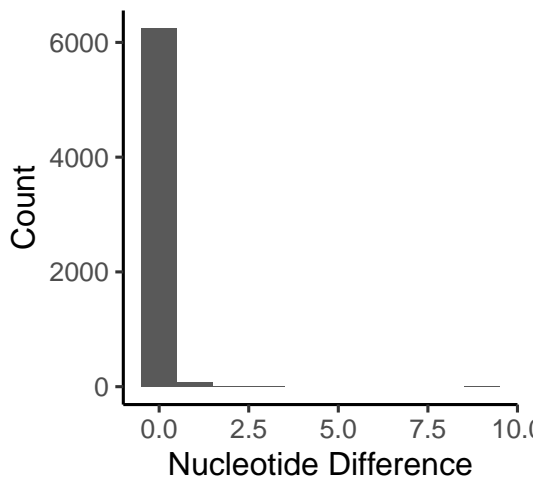
TRBV16*ap01

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



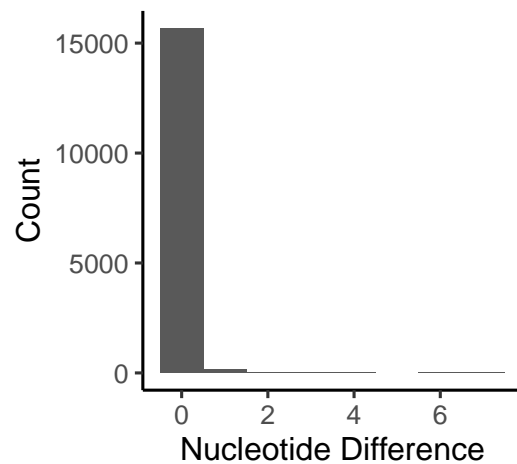
TRBV2*ap01

6339 sequences assigned
6244 (98.5%) exact matches, in which:
6064 unique CDR3
13 unique J



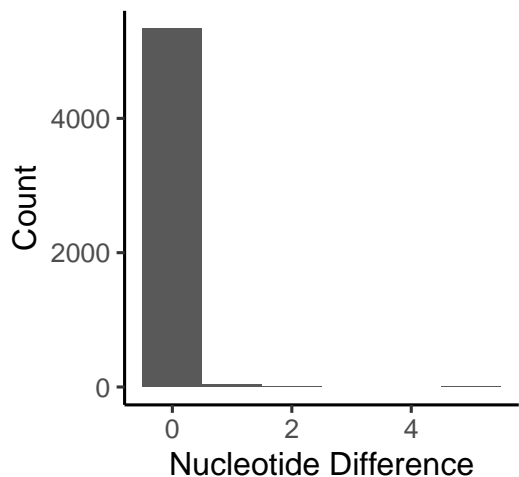
TRBV28*ap01

15868 sequences assigned
15681 (98.8%) exact matches, in which:
15263 unique CDR3
13 unique J



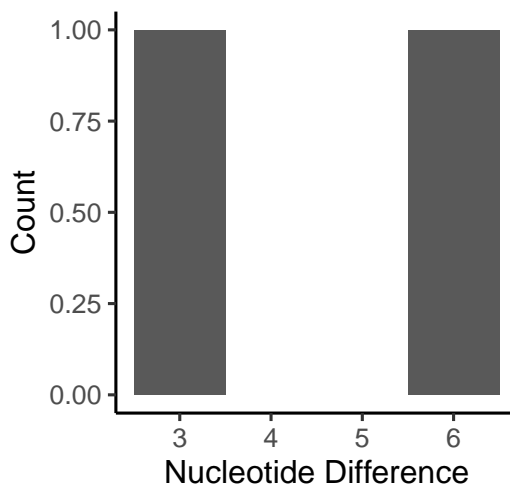
TRBV18*ap01

5374 sequences assigned
5335 (99.3%) exact matches, in which:
5230 unique CDR3
13 unique J



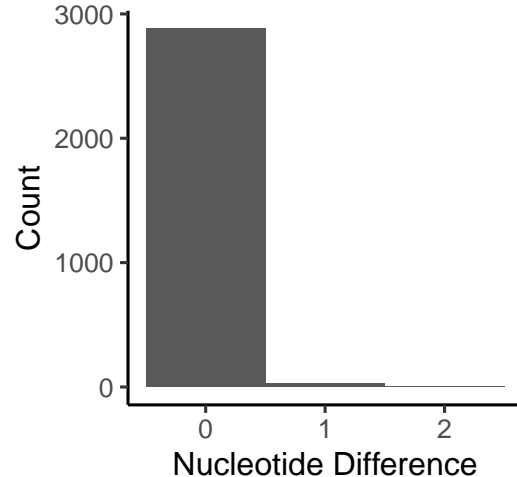
TRBV26*ap01

2 sequences assigned
No exact matches.



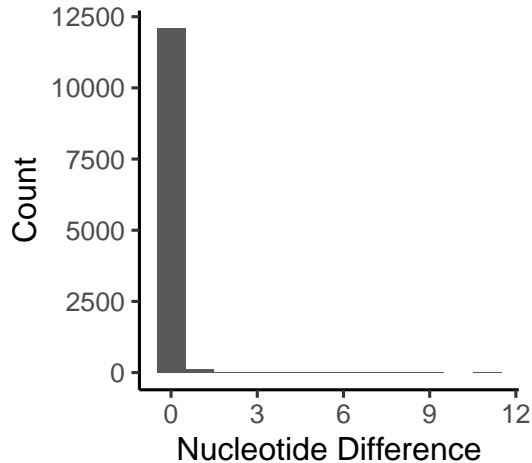
TRBV30*ap01

2912 sequences assigned
2881 (98.9%) exact matches, in which:
2834 unique CDR3
13 unique J



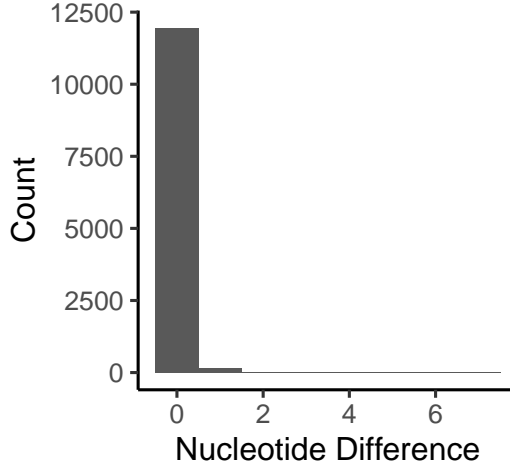
TRBV19*ap01

12259 sequences assigned
12111 (98.8%) exact matches, in which:
11896 unique CDR3
13 unique J



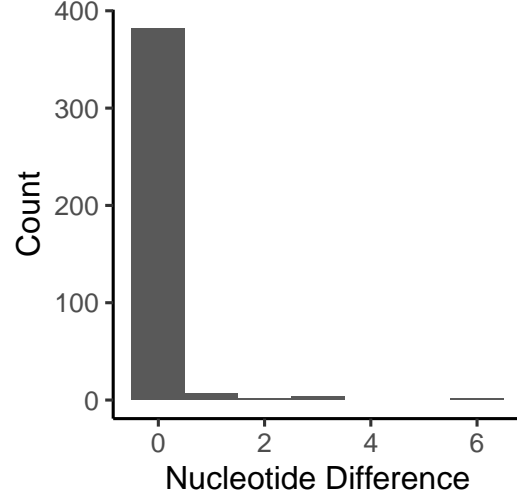
TRBV27*ap01

12140 sequences assigned
11957 (98.5%) exact matches, in which:
11558 unique CDR3
13 unique J



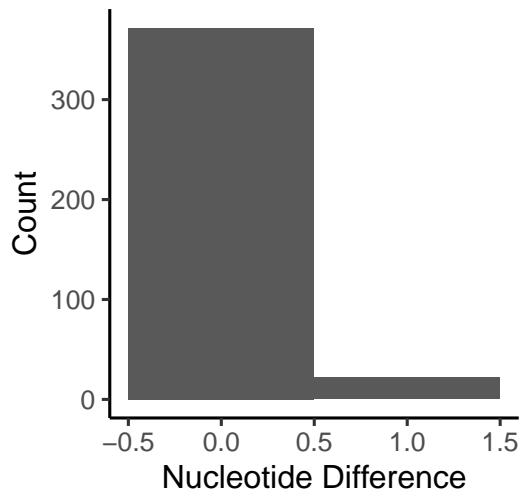
TRBV30*ap02

397 sequences assigned
382 (96.2%) exact matches, in which:
375 unique CDR3
13 unique J



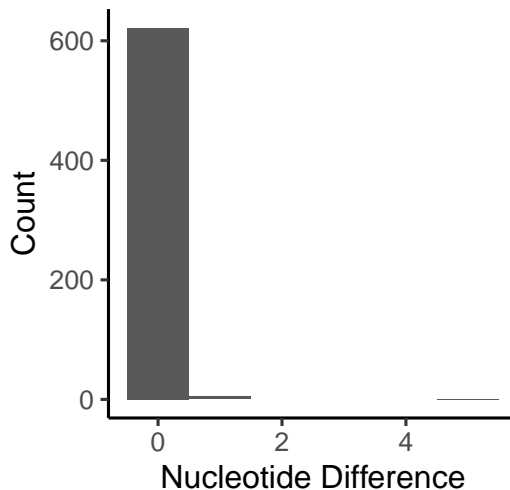
TRBV30*ap03

394 sequences assigned
372 (94.4%) exact matches, in which:
368 unique CDR3
13 unique J



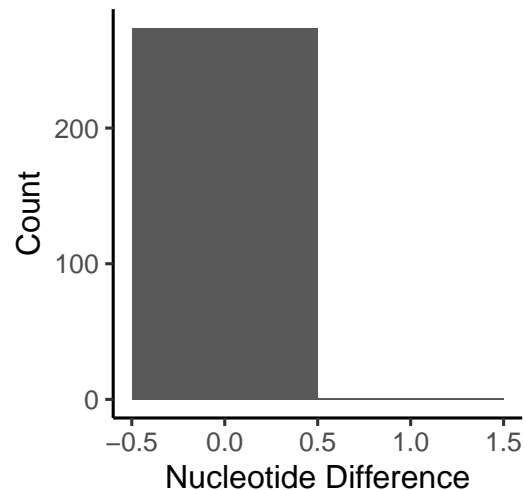
TRBV11-1*ap01

628 sequences assigned
622 (99%) exact matches, in which:
608 unique CDR3
13 unique J



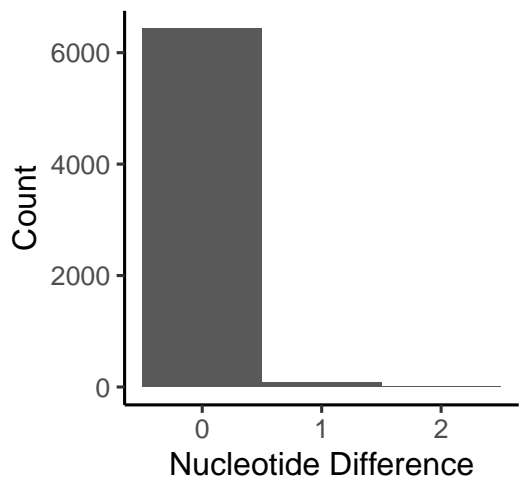
TRBV12-1*ap01

275 sequences assigned
274 (99.6%) exact matches, in which:
266 unique CDR3
13 unique J



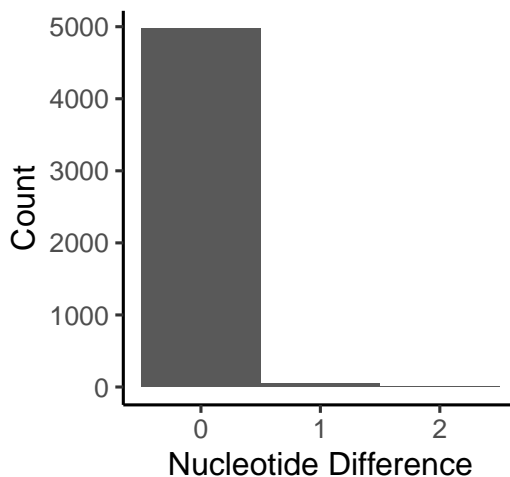
TRBV9*ap01

6508 sequences assigned
6430 (98.8%) exact matches, in which:
6263 unique CDR3
13 unique J



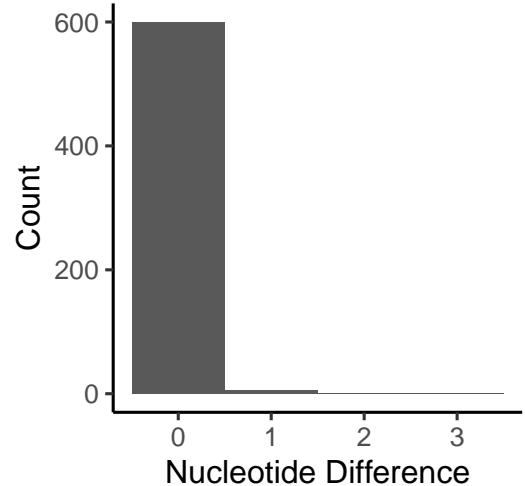
TRBV11-2*ap01

5027 sequences assigned
4972 (98.9%) exact matches, in which:
4837 unique CDR3
13 unique J



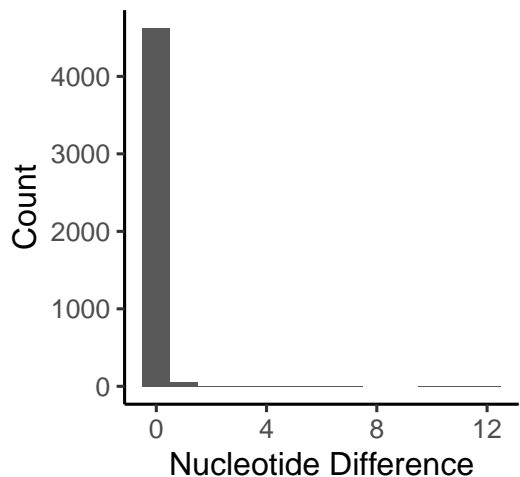
TRBV12-2*ap01

608 sequences assigned
600 (98.7%) exact matches, in which:
584 unique CDR3
13 unique J



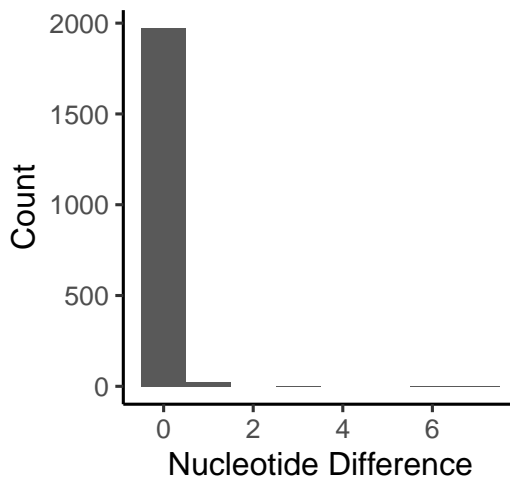
TRBV21-1*ap01

4706 sequences assigned
4624 (98.3%) exact matches, in which:
4537 unique CDR3
13 unique J



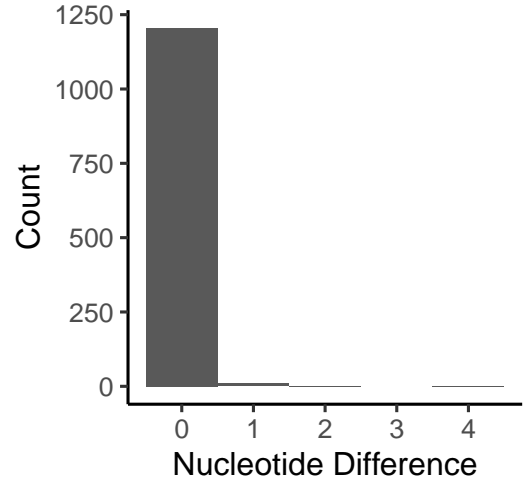
TRBV11-3*ap01

2000 sequences assigned
1973 (98.7%) exact matches, in which:
1926 unique CDR3
13 unique J



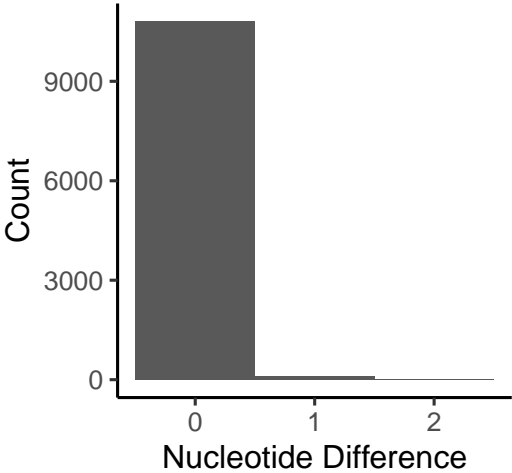
TRBV12-5*ap01

1217 sequences assigned
1205 (99%) exact matches, in which:
1171 unique CDR3
13 unique J



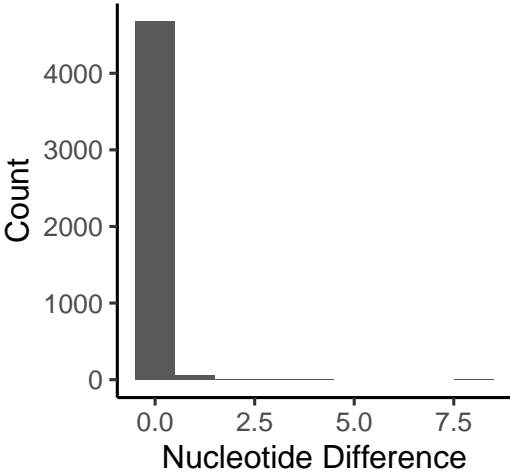
TRBV12–34*ap01

10932 sequences assigned
10807 (98.9%) exact matches, in which:
10499 unique CDR3
13 unique J



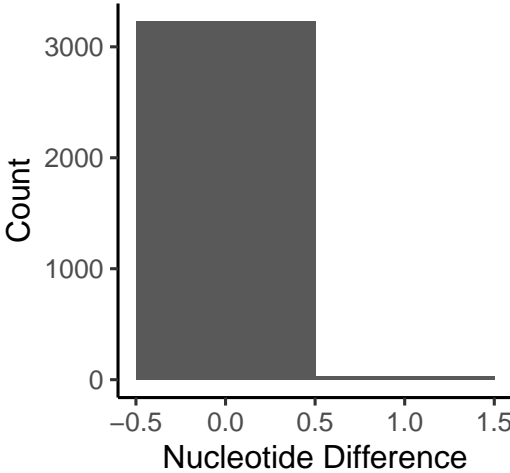
TRBV24–1*ap01

4739 sequences assigned
4677 (98.7%) exact matches, in which:
4582 unique CDR3
13 unique J



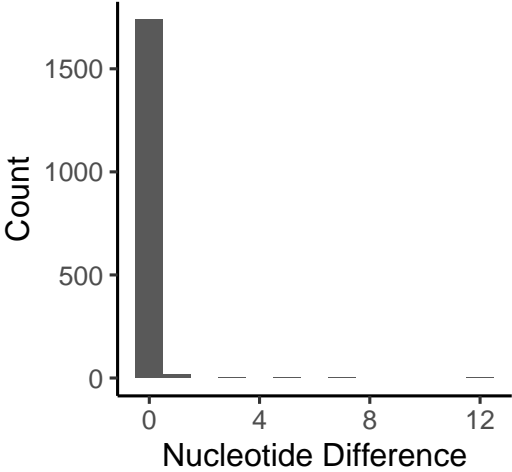
TRBV4–3*ap01

3258 sequences assigned
3229 (99.1%) exact matches, in which:
3109 unique CDR3
13 unique J



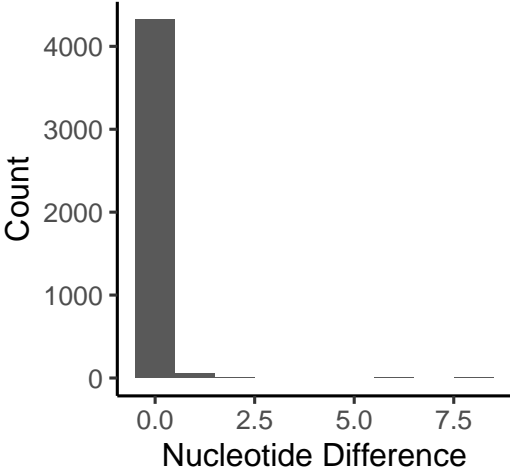
TRBV23–1*ap01

1760 sequences assigned
1738 (98.8%) exact matches, in which:
1702 unique CDR3
13 unique J



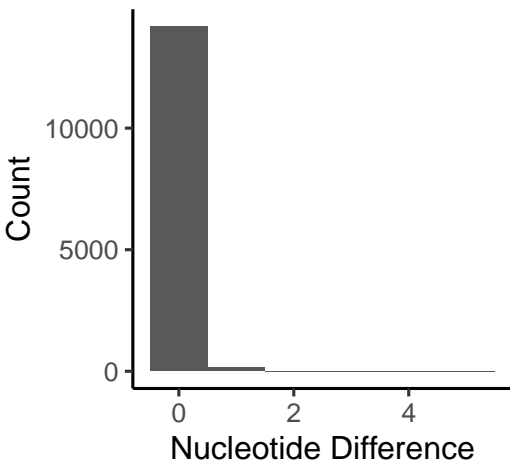
TRBV4–1*ap01

4373 sequences assigned
4321 (98.8%) exact matches, in which:
4167 unique CDR3
13 unique J



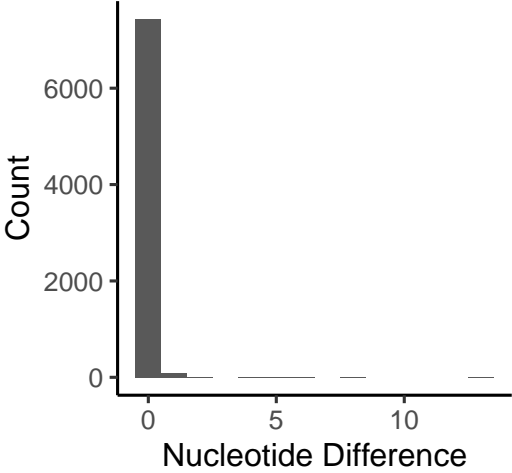
TRBV5–1*ap01

14352 sequences assigned
14182 (98.8%) exact matches, in which:
13741 unique CDR3
13 unique J



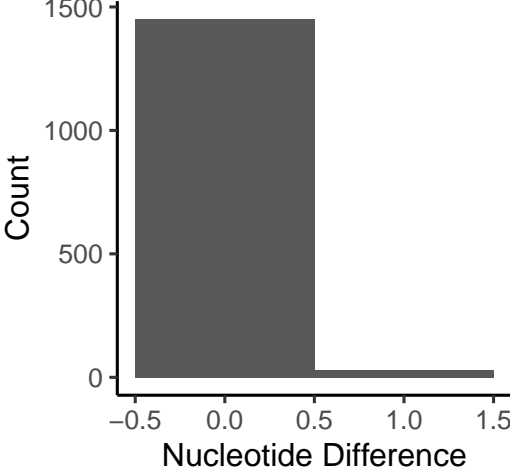
TRBV3–12*ap01

7527 sequences assigned
7435 (98.8%) exact matches, in which:
7220 unique CDR3
13 unique J



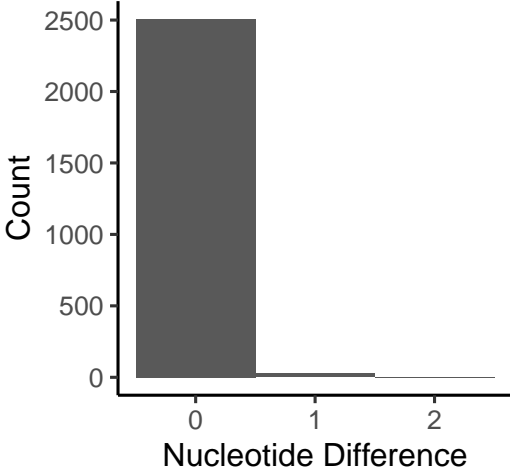
TRBV4–2*ap01

1480 sequences assigned
1451 (98%) exact matches, in which:
1405 unique CDR3
13 unique J



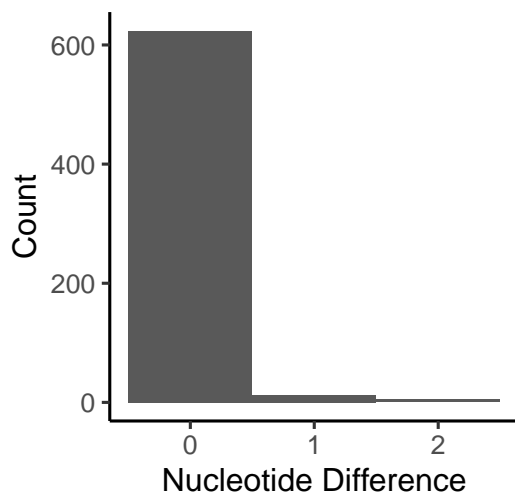
TRBV25–1*ap01

2536 sequences assigned
2507 (98.9%) exact matches, in which:
2439 unique CDR3
13 unique J



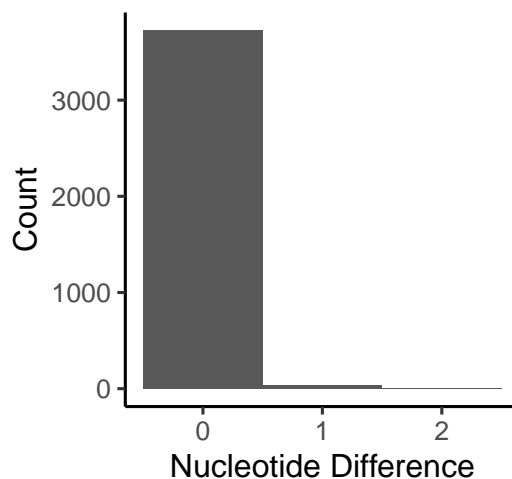
TRBV5-3*ap01

641 sequences assigned
624 (97.3%) exact matches, in which:
609 unique CDR3
13 unique J



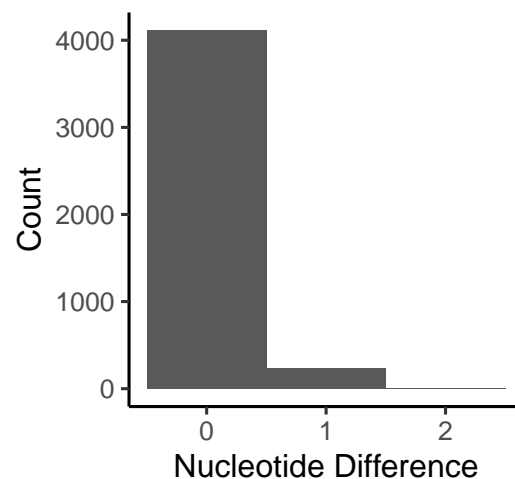
TRBV5-6*ap01

3767 sequences assigned
3725 (98.9%) exact matches, in which:
3615 unique CDR3
13 unique J



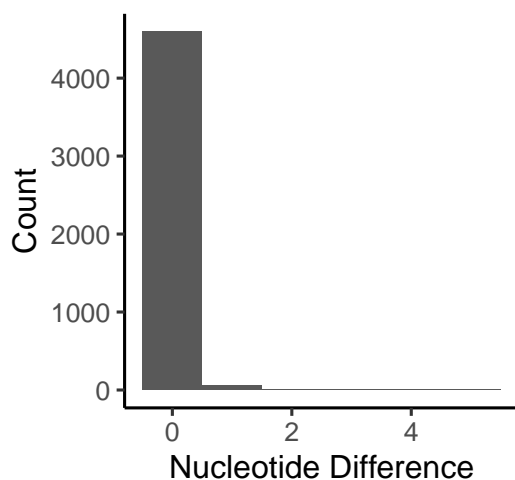
TRBV6-1*ap01

4354 sequences assigned
4113 (94.5%) exact matches, in which:
3996 unique CDR3
13 unique J



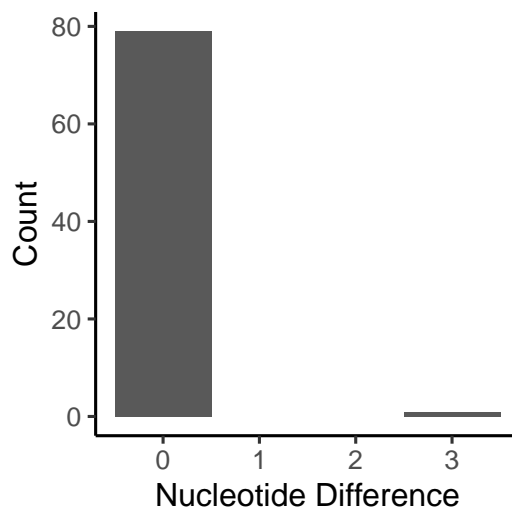
TRBV5-4*ap01

4654 sequences assigned
4595 (98.7%) exact matches, in which:
4439 unique CDR3
13 unique J



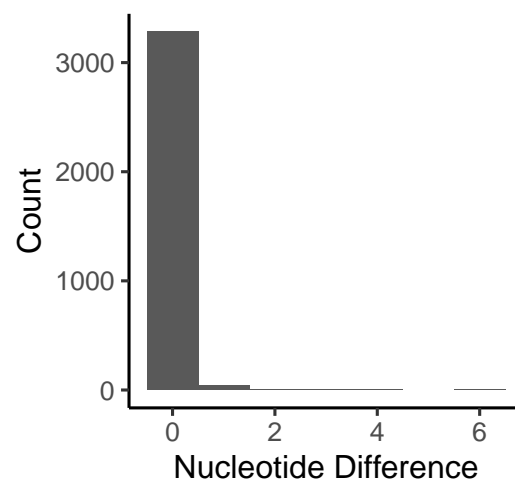
TRBV5-7*ap01

80 sequences assigned
79 (98.8%) exact matches, in which:
75 unique CDR3
13 unique J



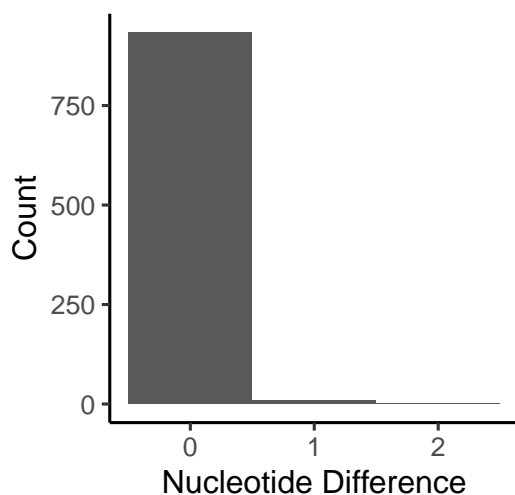
TRBV6-4*ap01

3333 sequences assigned
3283 (98.5%) exact matches, in which:
3219 unique CDR3
14 unique J



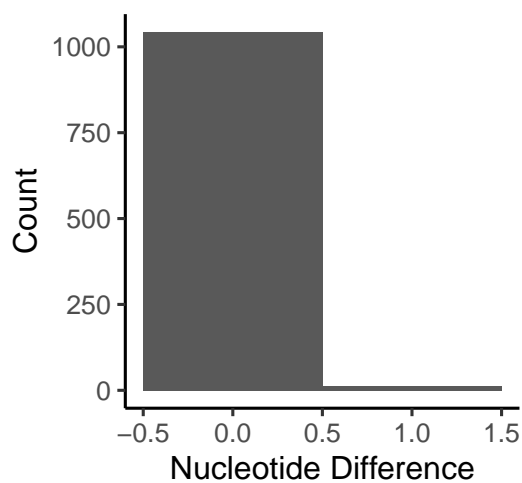
TRBV5-5*ap01

943 sequences assigned
934 (99%) exact matches, in which:
923 unique CDR3
13 unique J



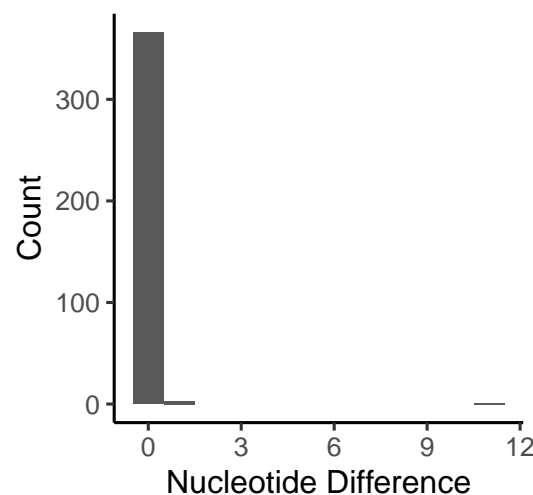
TRBV5-8*ap01

1056 sequences assigned
1043 (98.8%) exact matches, in which:
1010 unique CDR3
13 unique J



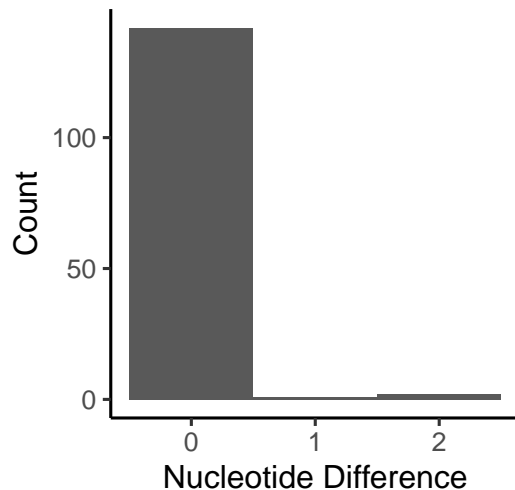
TRBV6-7*ap01

370 sequences assigned
366 (98.9%) exact matches, in which:
355 unique CDR3
13 unique J



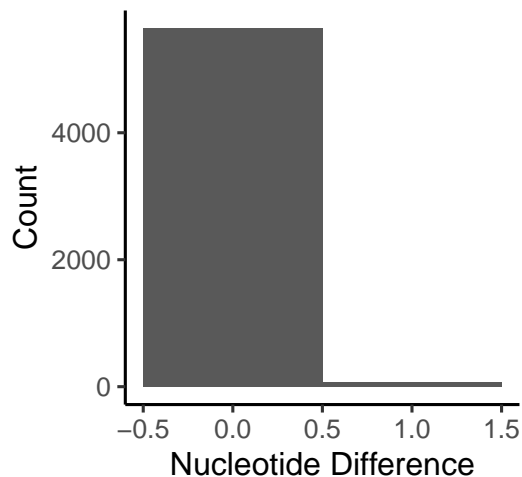
TRBV6-8*ap01

145 sequences assigned
142 (97.9%) exact matches, in which:
138 unique CDR3
13 unique J



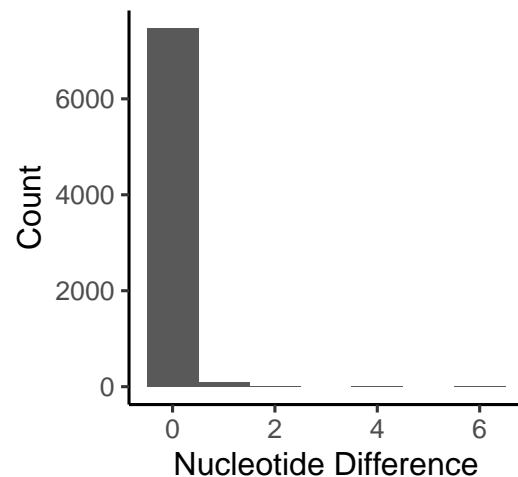
TRBV6-56*ap01

5712 sequences assigned
5644 (98.8%) exact matches, in which:
5466 unique CDR3
13 unique J



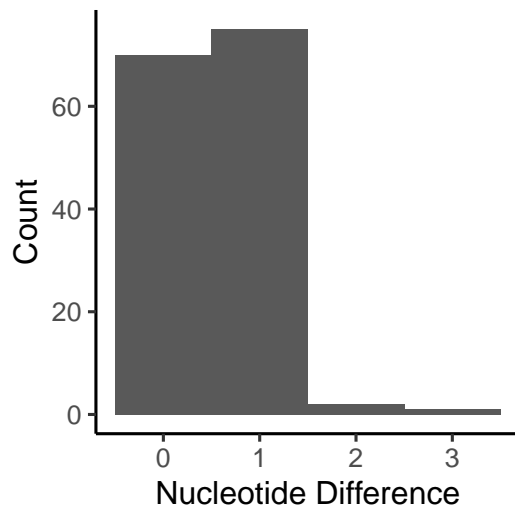
TRBV7-2*ap01

7557 sequences assigned
7468 (98.8%) exact matches, in which:
7272 unique CDR3
13 unique J



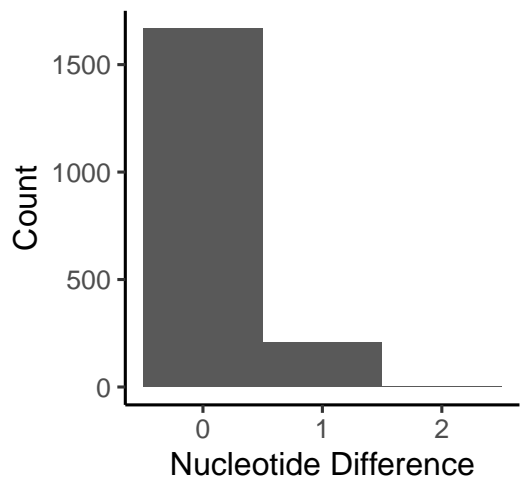
TRBV6-9*ap01

148 sequences assigned
70 (47.3%) exact matches, in which:
68 unique CDR3
10 unique J



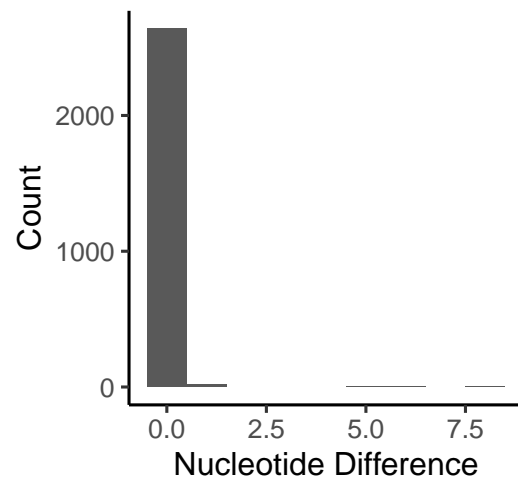
TRBV6-56*ap02

1876 sequences assigned
1667 (88.9%) exact matches, in which:
1613 unique CDR3
13 unique J



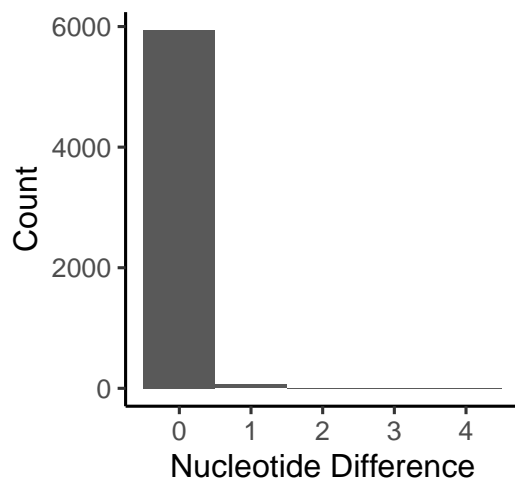
TRBV7-3*ap01

2665 sequences assigned
2639 (99%) exact matches, in which:
2581 unique CDR3
13 unique J



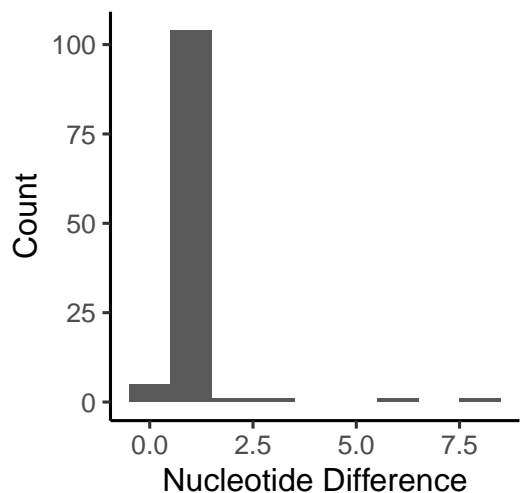
TRBV6-23*ap01

6018 sequences assigned
5942 (98.7%) exact matches, in which:
5731 unique CDR3
13 unique J



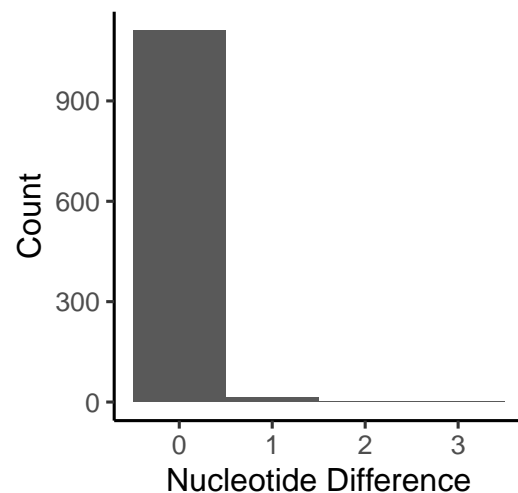
TRBV7-1*ap01_T296C

113 sequences assigned
5 (4.4%) exact matches, in which:
5 unique CDR3
5 unique J



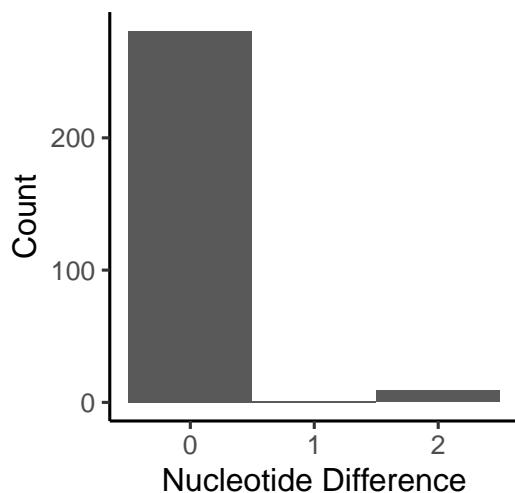
TRBV7-3*ap03

1127 sequences assigned
1111 (98.6%) exact matches, in which:
1076 unique CDR3
13 unique J



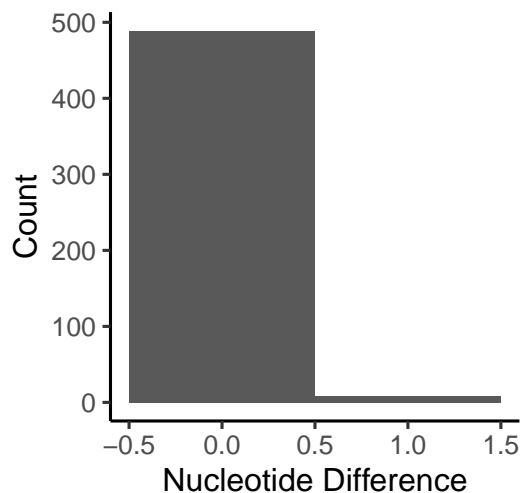
TRBV7-4*ap01

291 sequences assigned
281 (96.6%) exact matches, in which:
271 unique CDR3
12 unique J



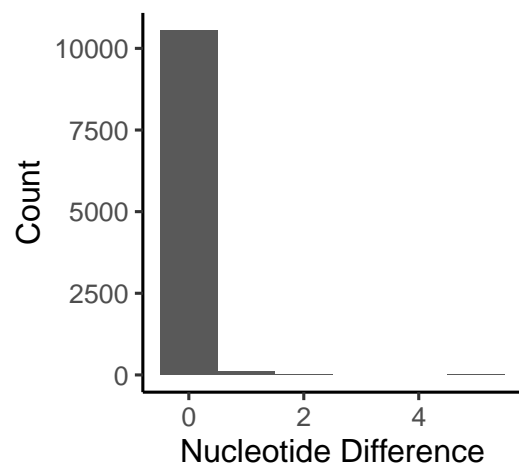
TRBV7-7*ap01_C315T

497 sequences assigned
489 (98.4%) exact matches, in which:
477 unique CDR3
13 unique J



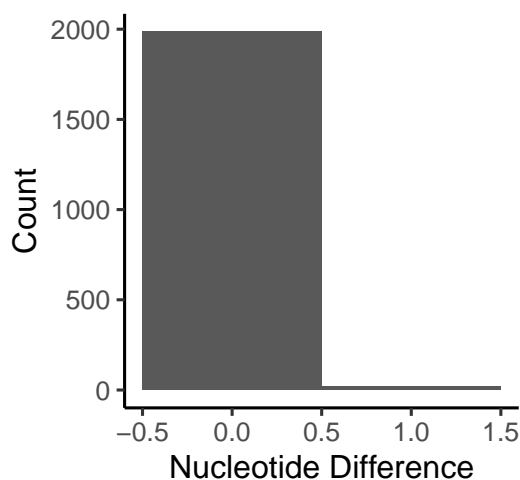
TRBV7-9*ap01

10659 sequences assigned
10558 (99.1%) exact matches, in which:
10319 unique CDR3
13 unique J



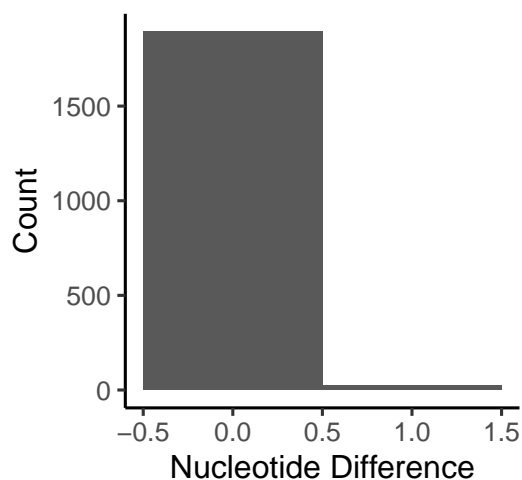
TRBV7-6*ap01

2007 sequences assigned
1986 (99%) exact matches, in which:
1917 unique CDR3
13 unique J



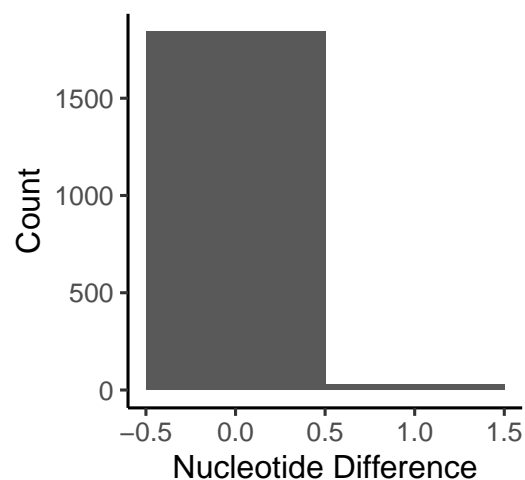
TRBV7-8*ap01

1916 sequences assigned
1893 (98.8%) exact matches, in which:
1838 unique CDR3
13 unique J



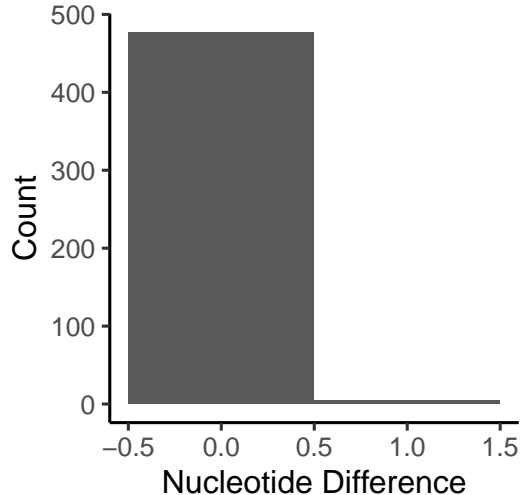
TRBV29-1*ap01

1870 sequences assigned
1842 (98.5%) exact matches, in which:
1793 unique CDR3
13 unique J



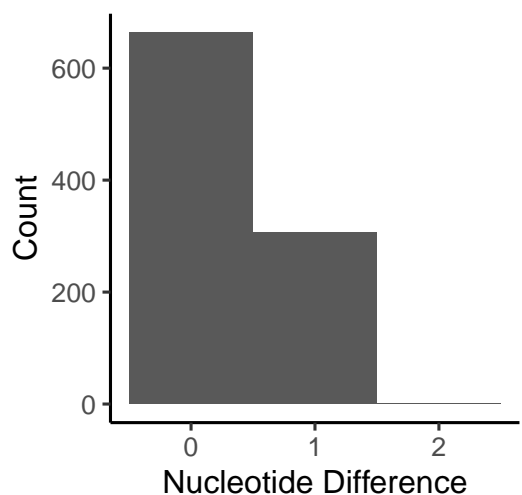
TRBV7-7*ap01

482 sequences assigned
477 (99%) exact matches, in which:
467 unique CDR3
13 unique J



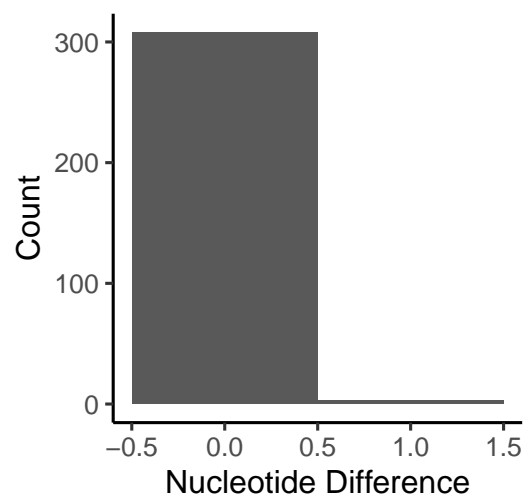
TRBV7-8*ap03

972 sequences assigned
664 (68.3%) exact matches, in which:
641 unique CDR3
13 unique J

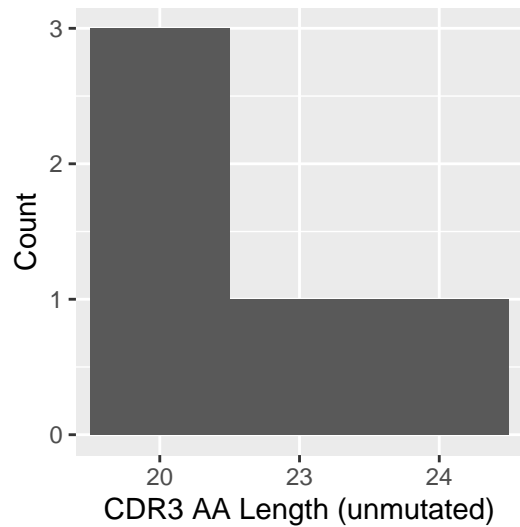


TRBV29-1*ap02

311 sequences assigned
308 (99%) exact matches, in which:
306 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

