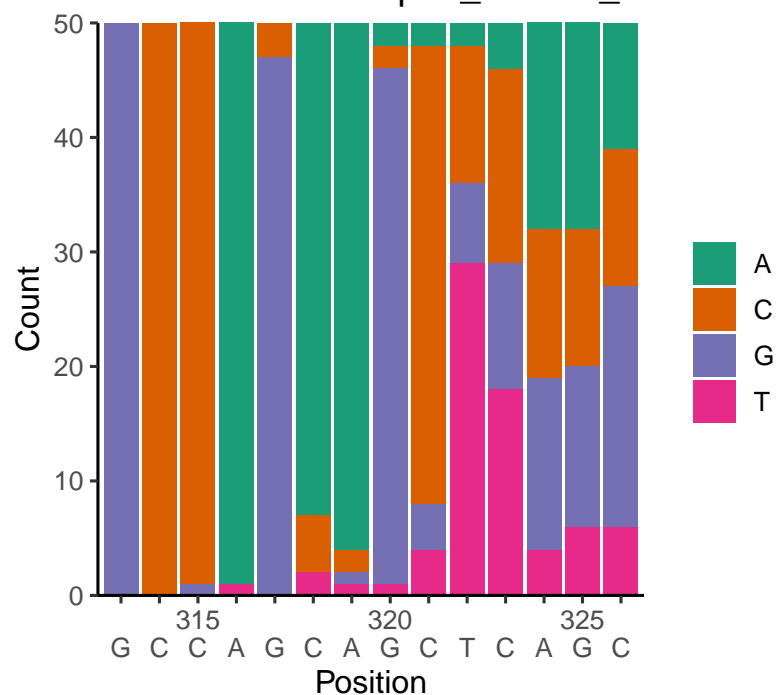
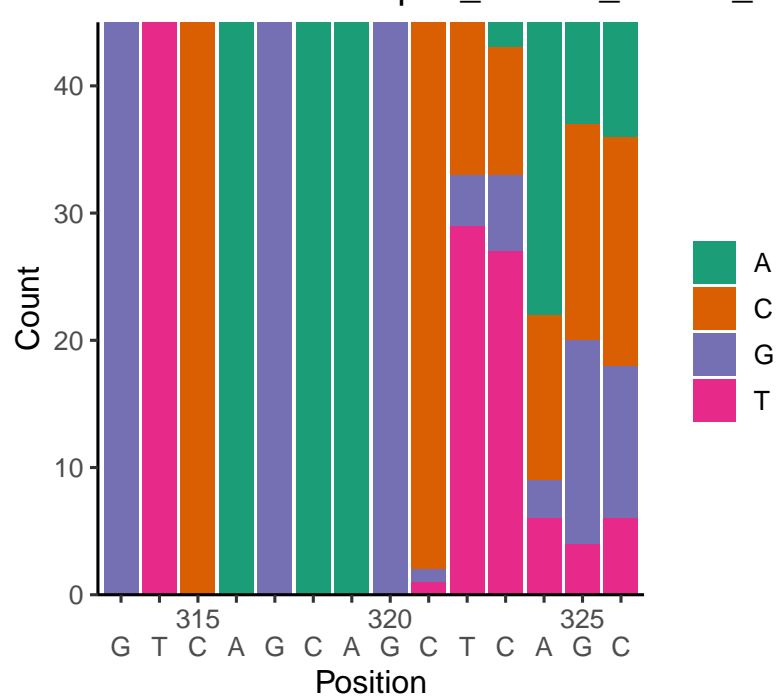


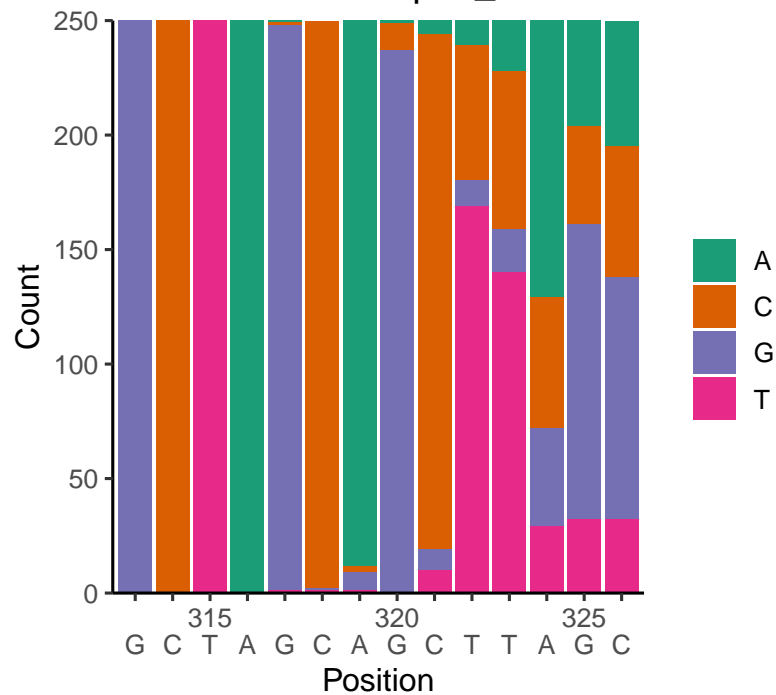
Gene TRBV7-1*ap01_G291C_T296C



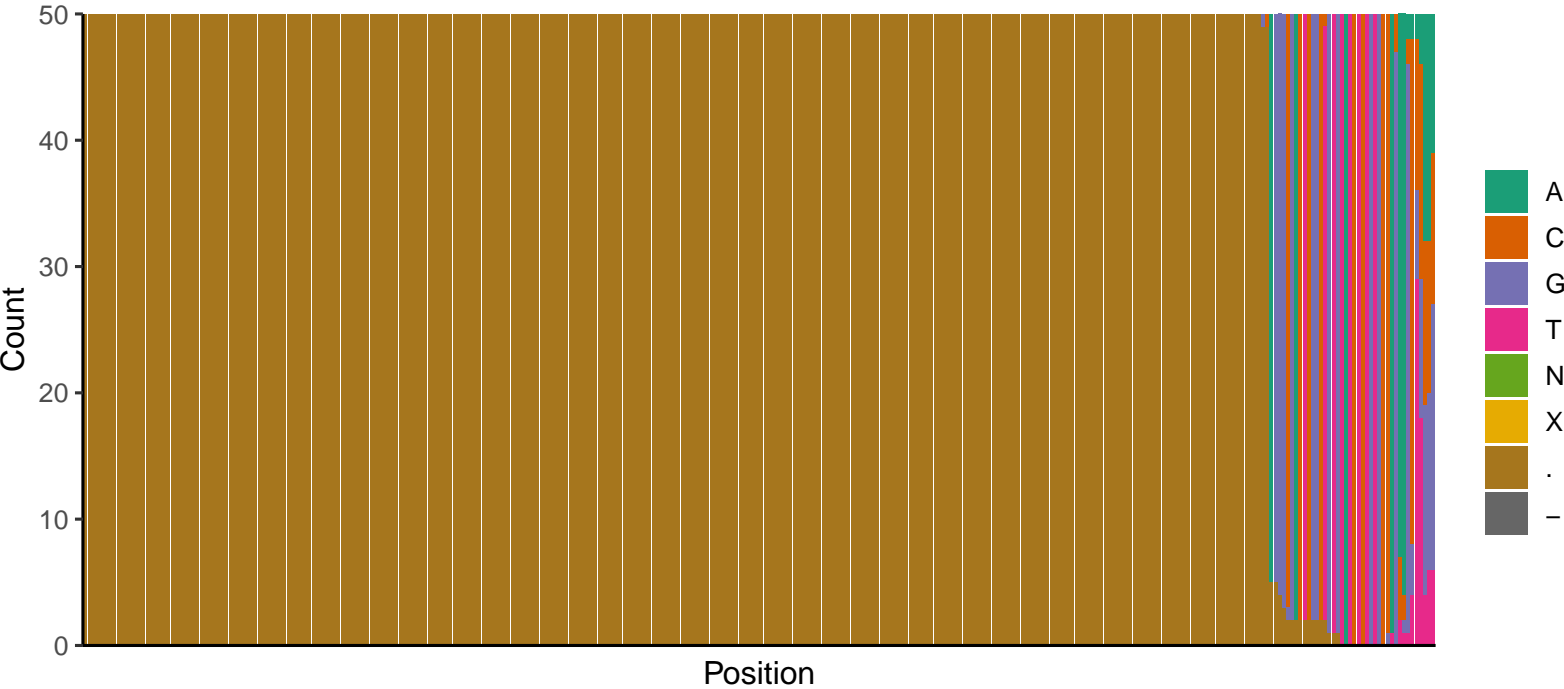
Gene TRBV7-1*ap01_G291C_T296C_C314T



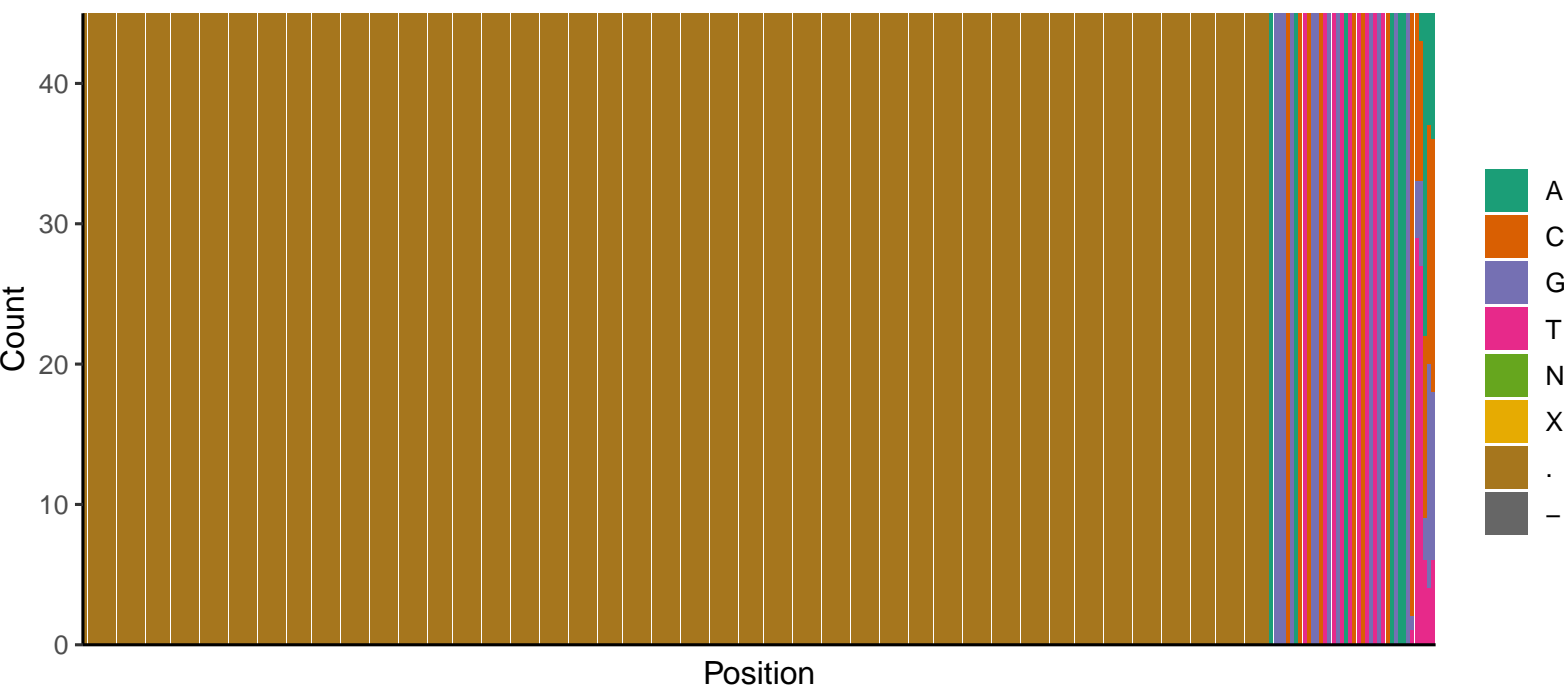
Gene TRBV7-7*ap01_C315T



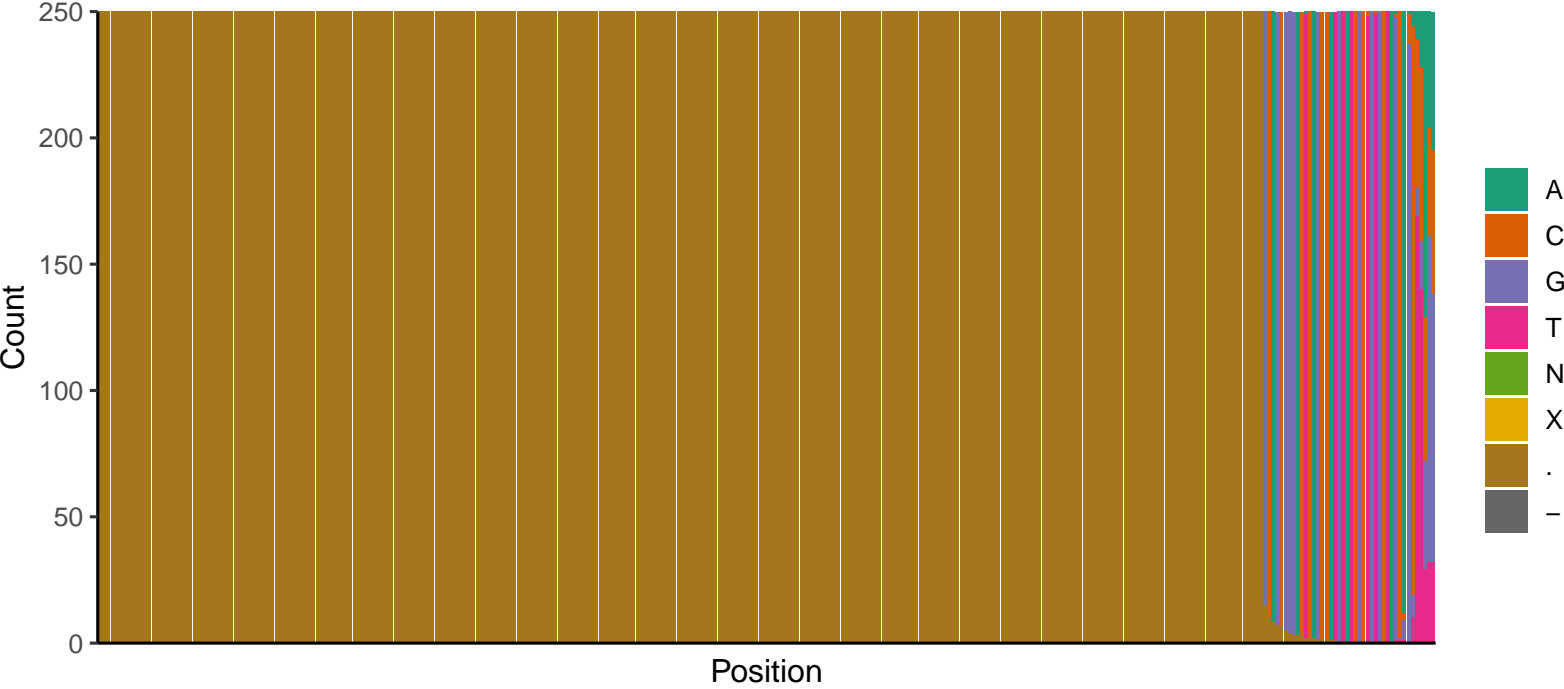
Gene TRBV7-1*ap01_G291C_T296C



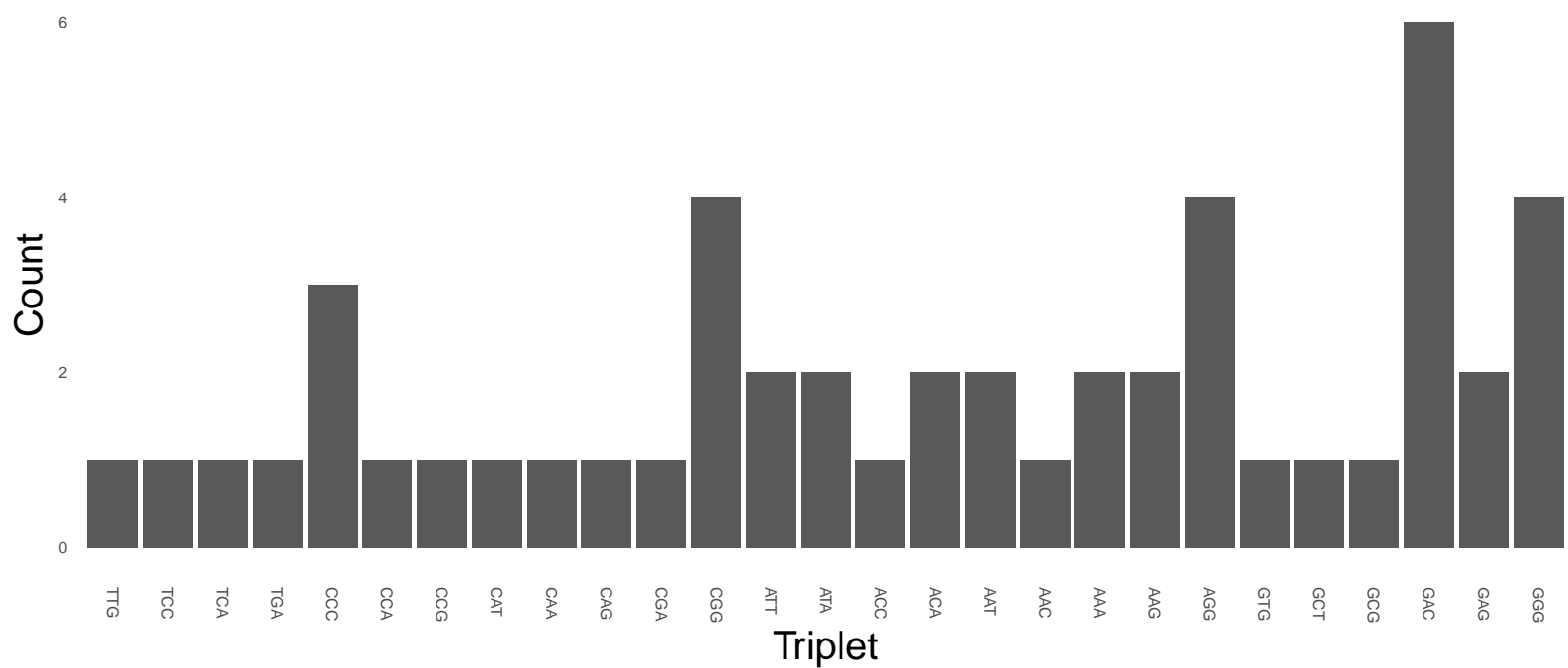
Gene TRBV7-1*ap01_G291C_T296C_C314T



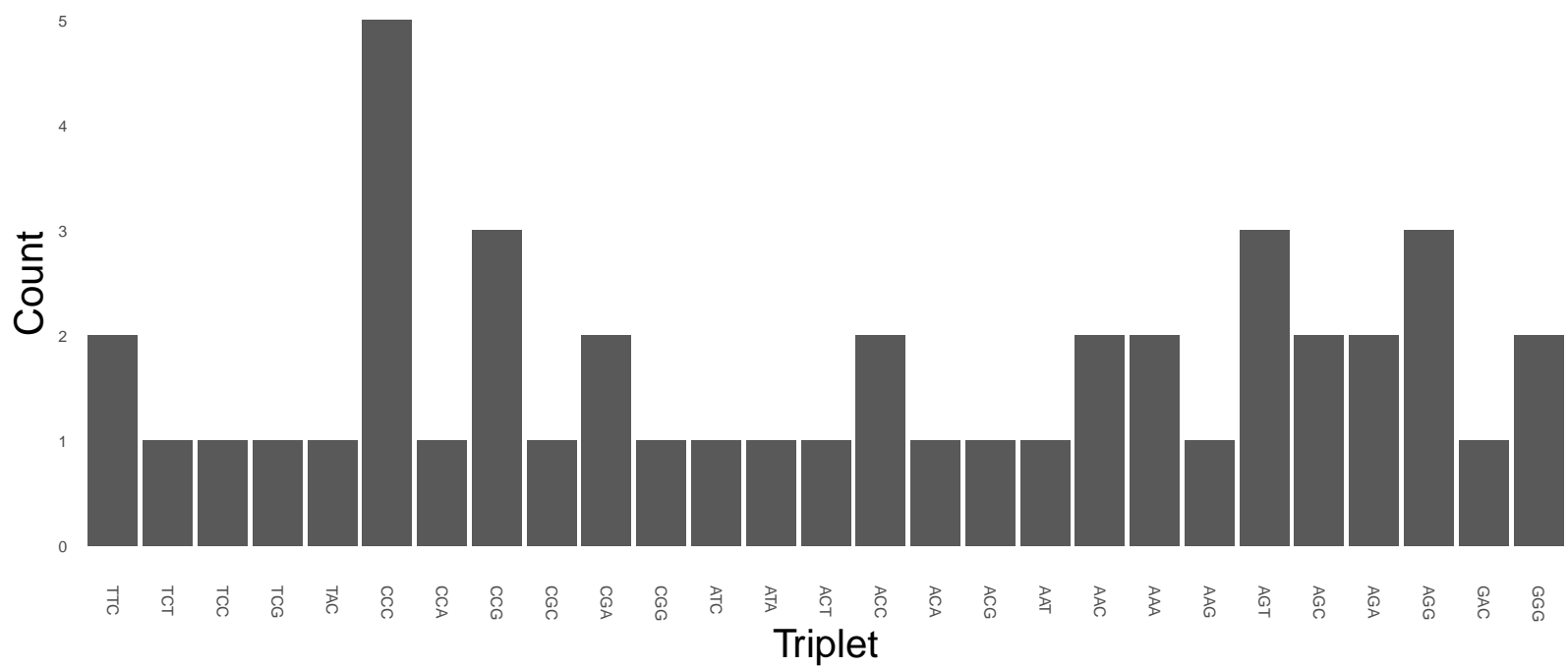
Gene TRBV7-7*ap01_C315T



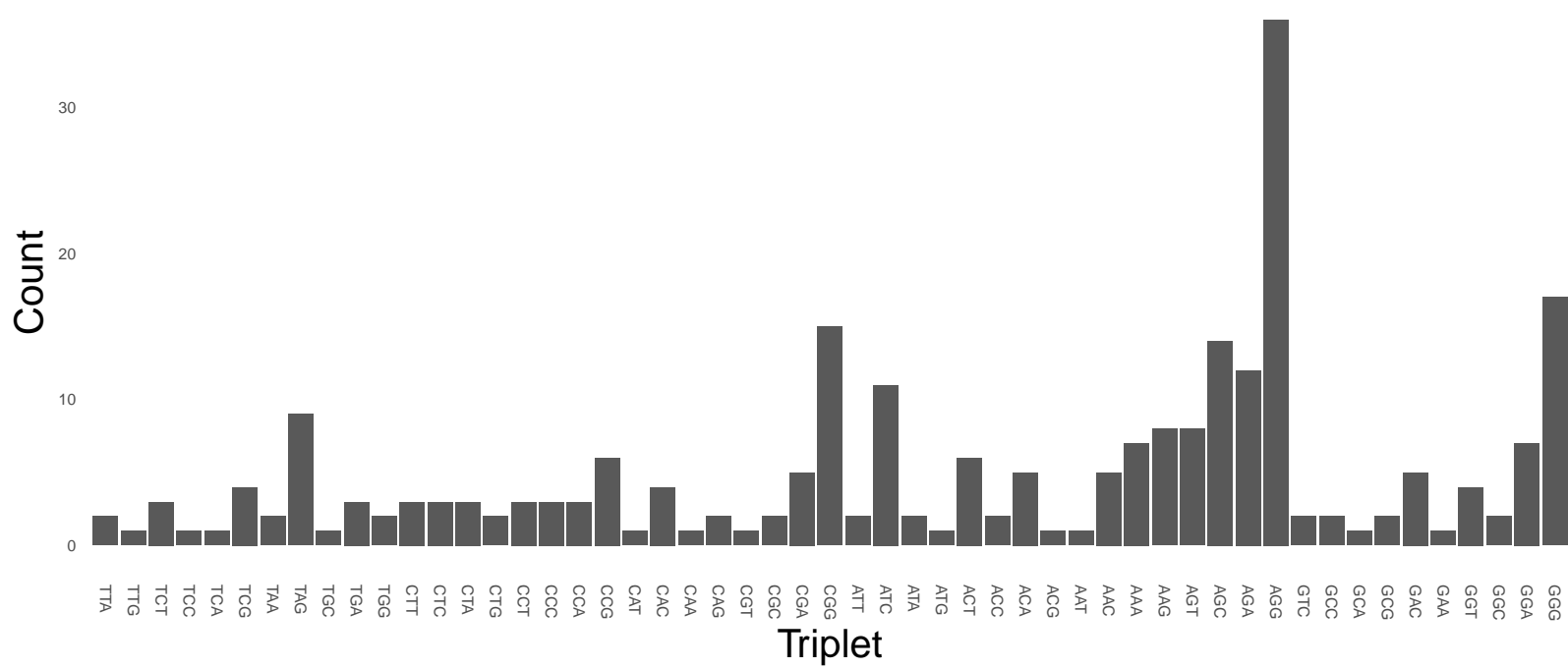
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

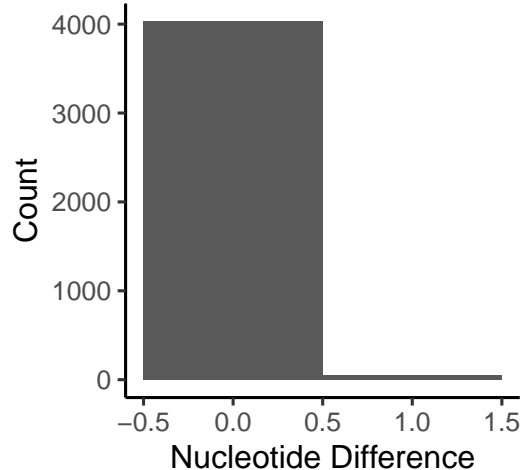


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



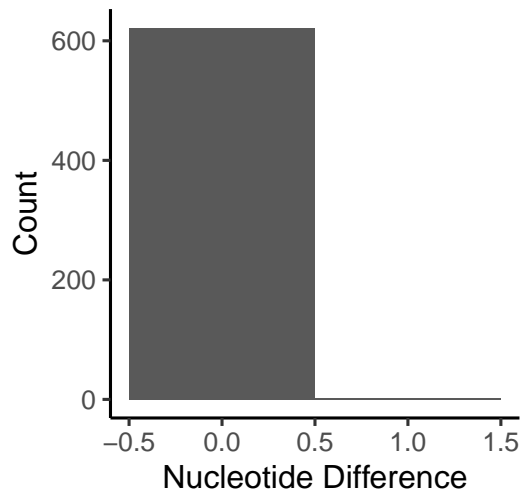
TRBV20–1*ap01

4082 sequences assigned
4031 (98.8%) exact matches, in which:
3950 unique CDR3
14 unique J



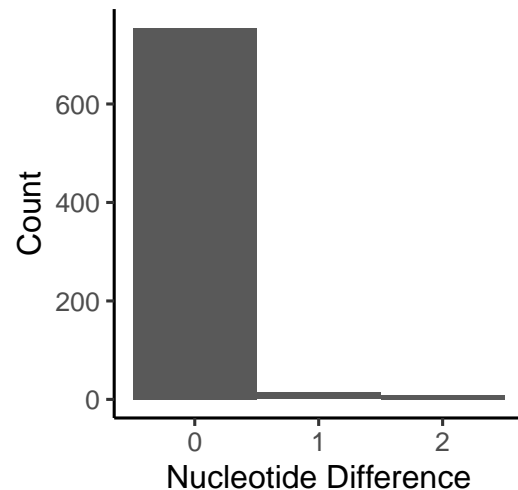
TRBV10–2*ap01

625 sequences assigned
622 (99.5%) exact matches, in which:
609 unique CDR3
14 unique J



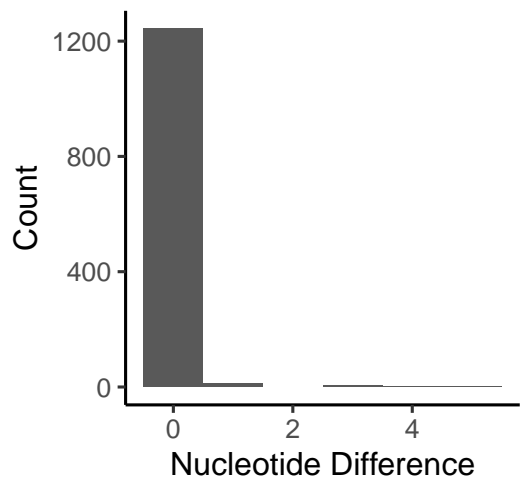
TRBV13*ap01

778 sequences assigned
755 (97%) exact matches, in which:
737 unique CDR3
14 unique J



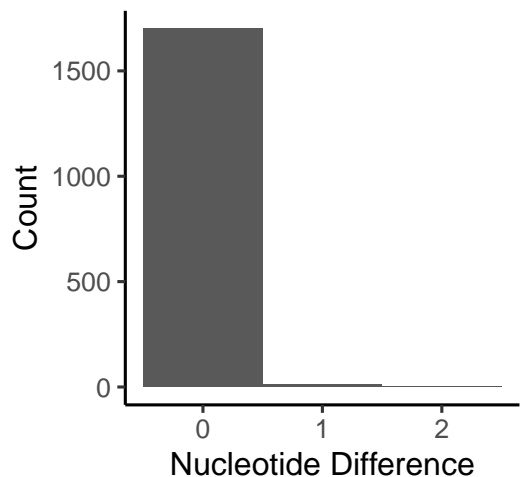
TRBV10–1*ap01

1262 sequences assigned
1243 (98.5%) exact matches, in which:
1200 unique CDR3
14 unique J



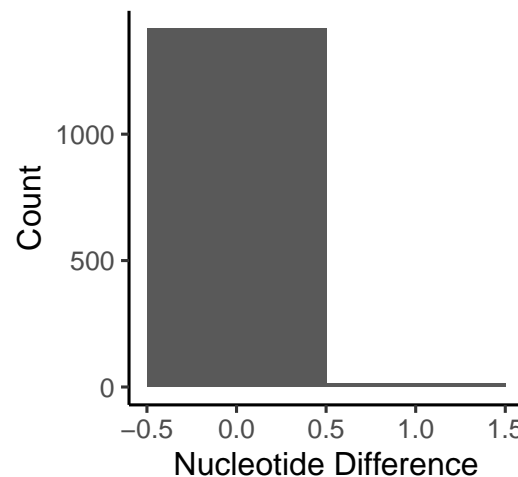
TRBV10–3*ap01

1714 sequences assigned
1700 (99.2%) exact matches, in which:
1657 unique CDR3
14 unique J



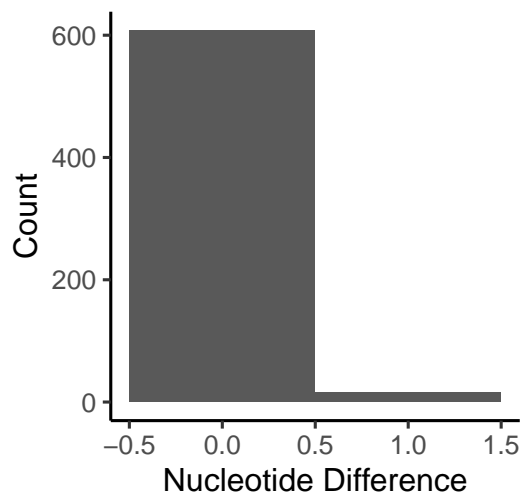
TRBV14*ap01

1431 sequences assigned
1417 (99%) exact matches, in which:
1389 unique CDR3
14 unique J



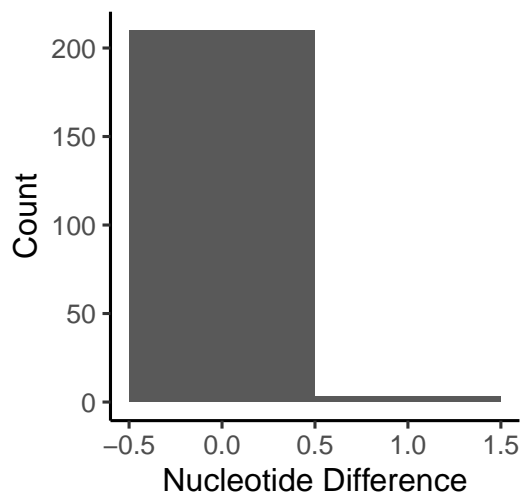
TRBV20–1*ap02

623 sequences assigned
608 (97.6%) exact matches, in which:
597 unique CDR3
14 unique J



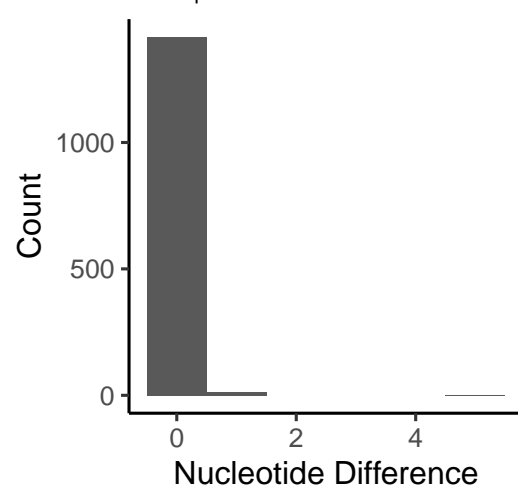
TRBV1*ap01

213 sequences assigned
210 (98.6%) exact matches, in which:
207 unique CDR3
14 unique J



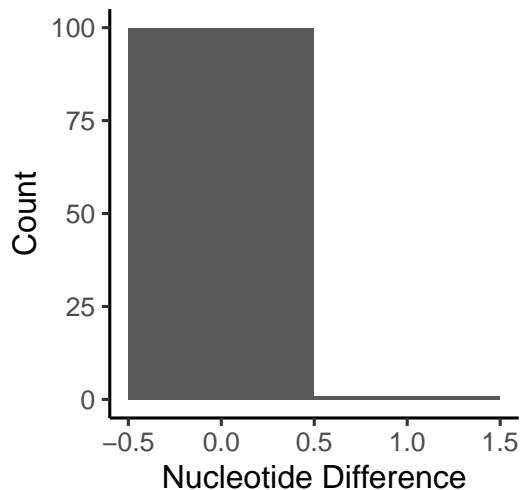
TRBV15*ap02

1430 sequences assigned
1417 (99.1%) exact matches, in which:
1382 unique CDR3
14 unique J



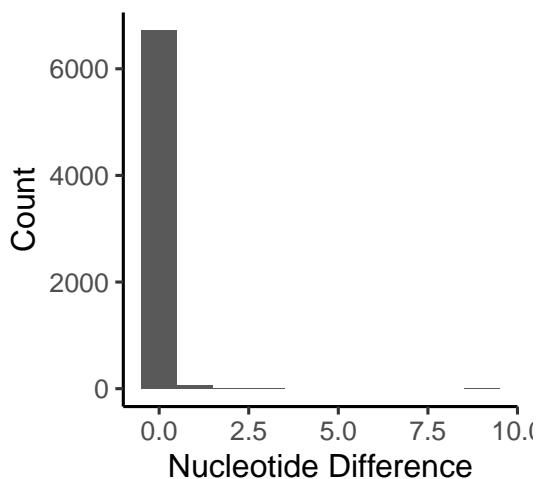
TRBV16*ap01

101 sequences assigned
100 (99%) exact matches, in which:
100 unique CDR3
13 unique J



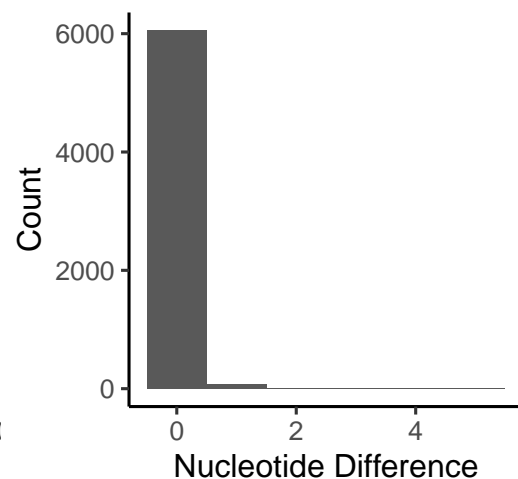
TRBV19*ap01

6798 sequences assigned
6720 (98.9%) exact matches, in which:
6636 unique CDR3
14 unique J



TRBV27*ap01

6142 sequences assigned
6055 (98.6%) exact matches, in which:
5886 unique CDR3
14 unique J



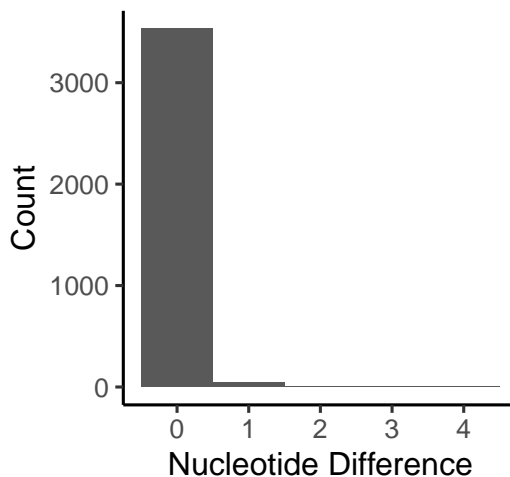
TRBV17*ap01

1 sequences assigned
No exact matches.



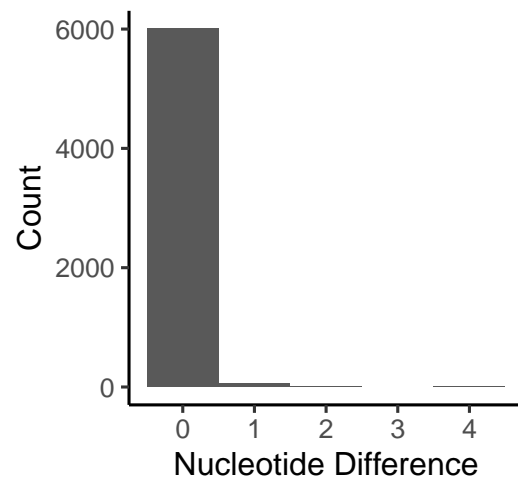
TRBV2*ap01

3578 sequences assigned
3532 (98.7%) exact matches, in which:
3455 unique CDR3
14 unique J



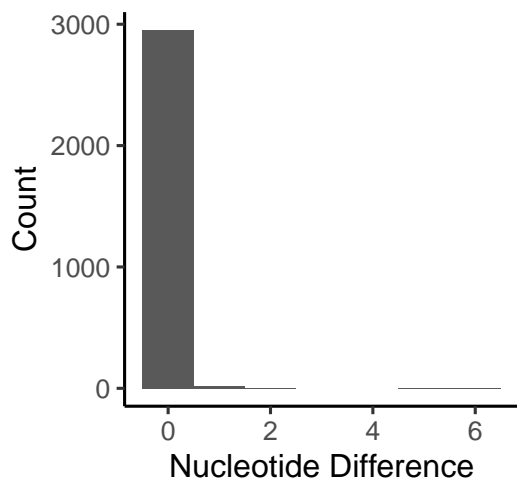
TRBV28*ap01

6061 sequences assigned
6006 (99.1%) exact matches, in which:
5852 unique CDR3
14 unique J



TRBV18*ap01

2975 sequences assigned
2952 (99.2%) exact matches, in which:
2910 unique CDR3
14 unique J



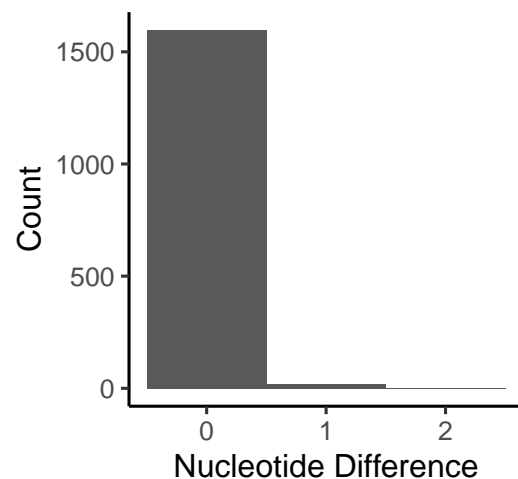
TRBV26*ap01

1 sequences assigned
No exact matches.



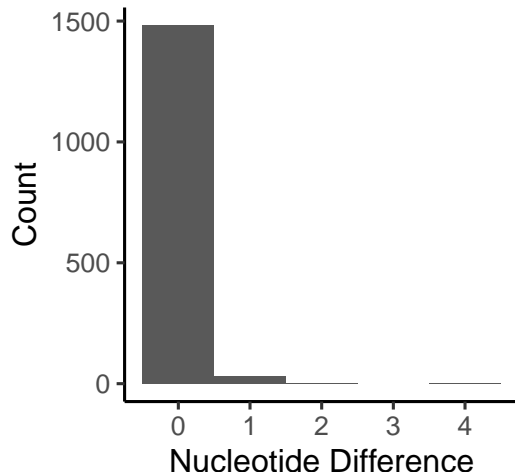
TRBV30*ap01

1618 sequences assigned
1597 (98.7%) exact matches, in which:
1563 unique CDR3
13 unique J



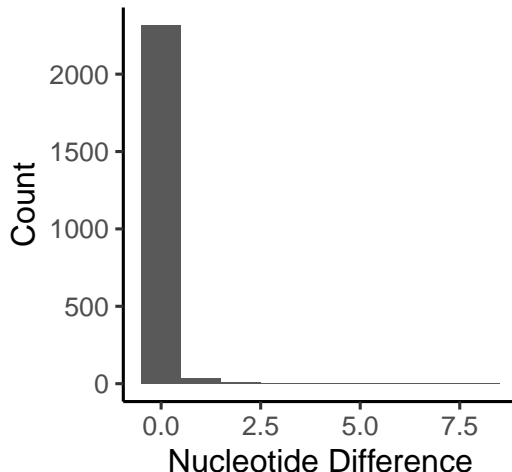
TRBV30*ap02

1514 sequences assigned
1482 (97.9%) exact matches, in which:
1472 unique CDR3
14 unique J



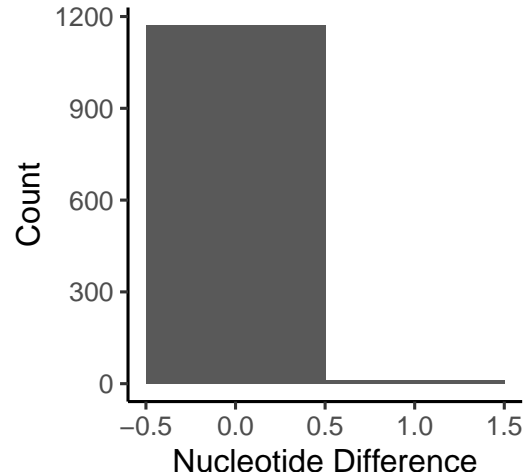
TRBV21-1*ap01

2366 sequences assigned
2315 (97.8%) exact matches, in which:
2268 unique CDR3
14 unique J



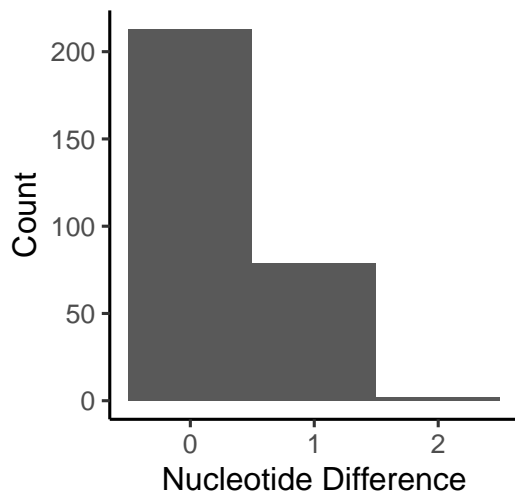
TRBV11-3*ap01

1182 sequences assigned
1171 (99.1%) exact matches, in which:
1156 unique CDR3
14 unique J



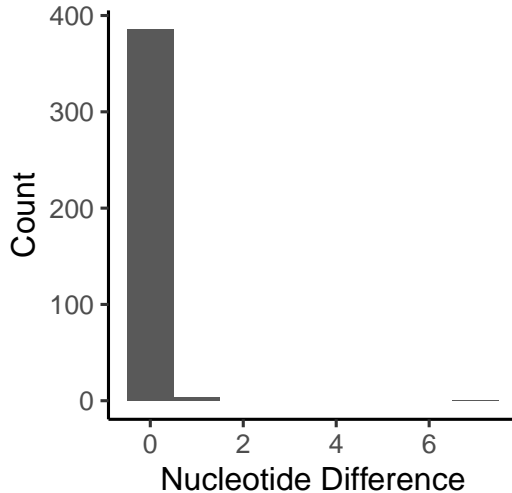
TRBV30*ap03

294 sequences assigned
213 (72.4%) exact matches, in which:
210 unique CDR3
13 unique J



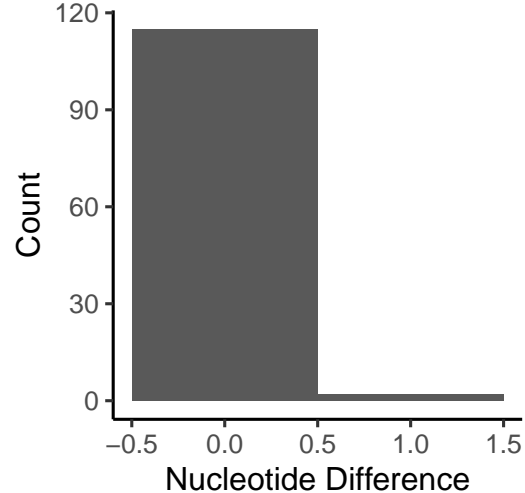
TRBV11-1*ap01

391 sequences assigned
386 (98.7%) exact matches, in which:
382 unique CDR3
14 unique J



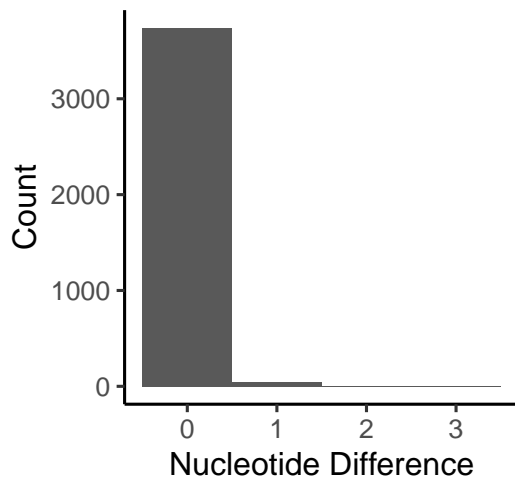
TRBV12-1*ap01

117 sequences assigned
115 (98.3%) exact matches, in which:
111 unique CDR3
13 unique J



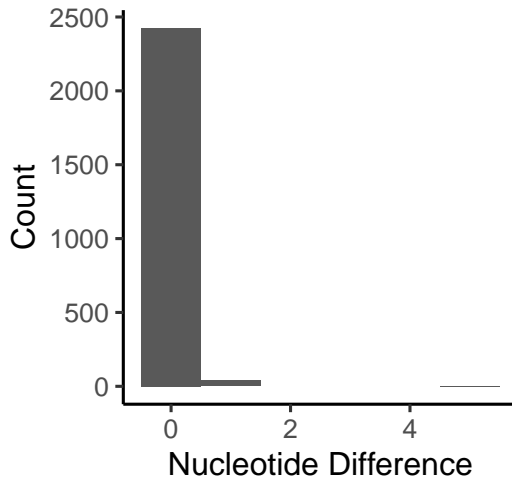
TRBV9*ap01

3784 sequences assigned
3738 (98.8%) exact matches, in which:
3673 unique CDR3
14 unique J



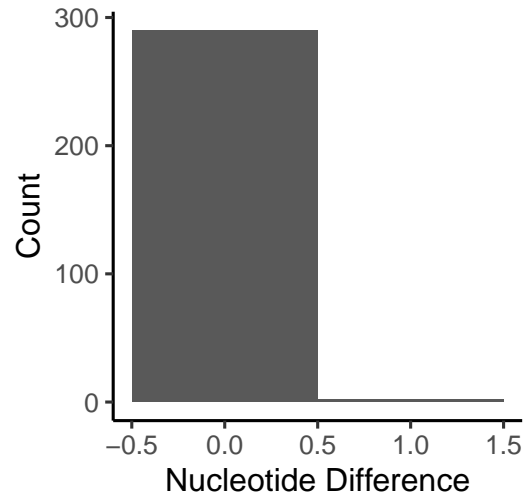
TRBV11-2*ap01

2466 sequences assigned
2425 (98.3%) exact matches, in which:
2385 unique CDR3
14 unique J



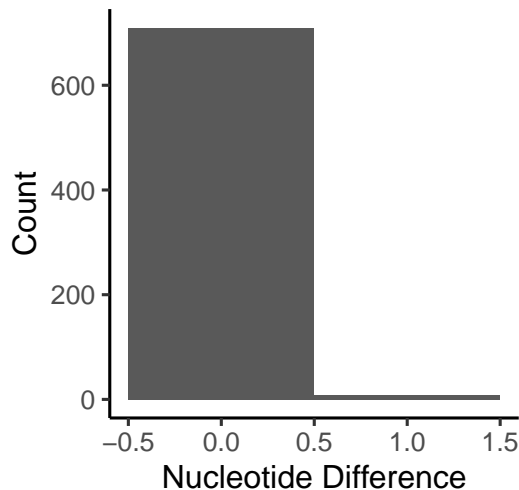
TRBV12-2*ap01

292 sequences assigned
290 (99.3%) exact matches, in which:
284 unique CDR3
13 unique J



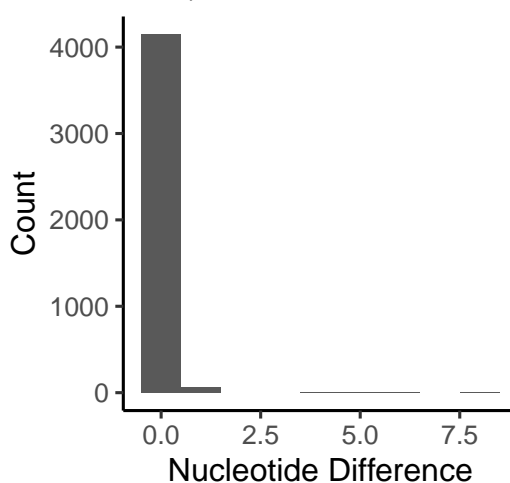
TRBV12–5*ap01

718 sequences assigned
710 (98.9%) exact matches, in which:
703 unique CDR3
14 unique J



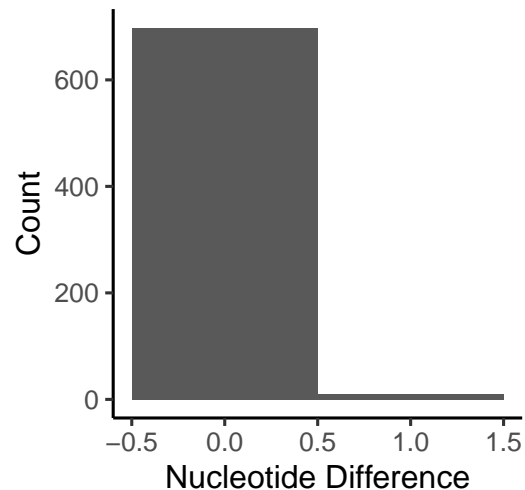
TRBV3–12*ap01

4211 sequences assigned
4147 (98.5%) exact matches, in which:
4058 unique CDR3
14 unique J



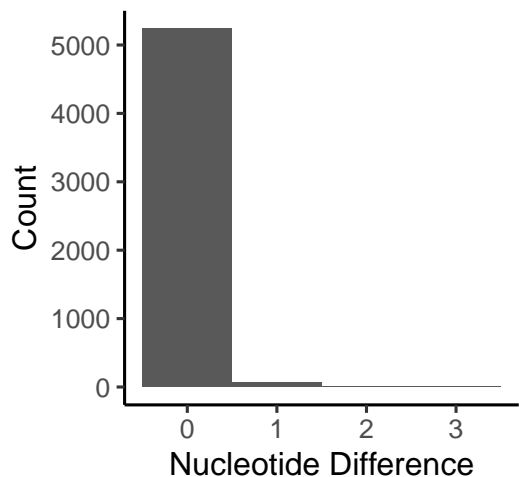
TRBV4–2*ap01

708 sequences assigned
698 (98.6%) exact matches, in which:
682 unique CDR3
14 unique J



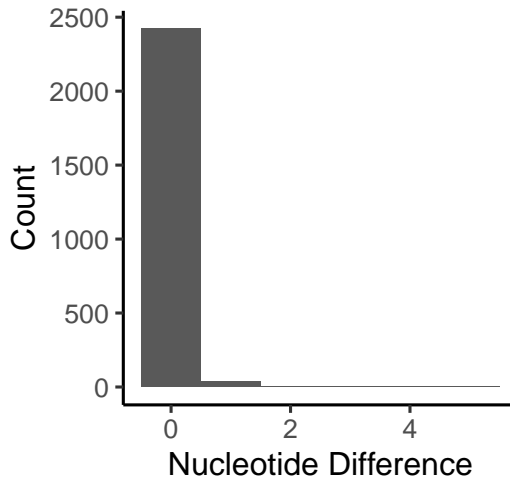
TRBV12–34*ap01

5303 sequences assigned
5238 (98.8%) exact matches, in which:
5148 unique CDR3
14 unique J



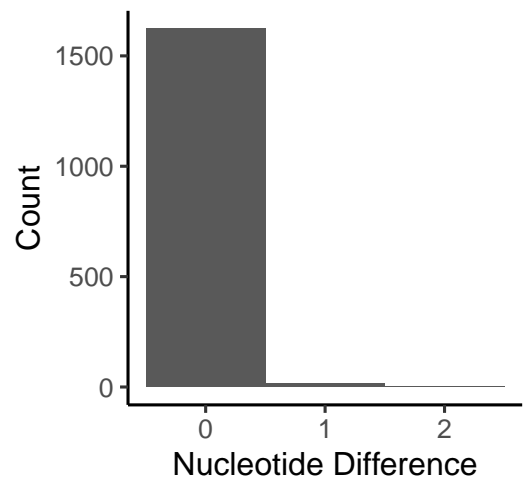
TRBV24–1*ap01

2466 sequences assigned
2422 (98.2%) exact matches, in which:
2376 unique CDR3
14 unique J



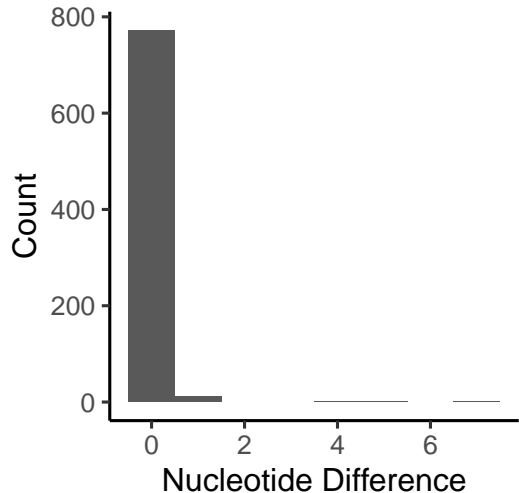
TRBV4–3*ap01

1642 sequences assigned
1623 (98.8%) exact matches, in which:
1607 unique CDR3
14 unique J



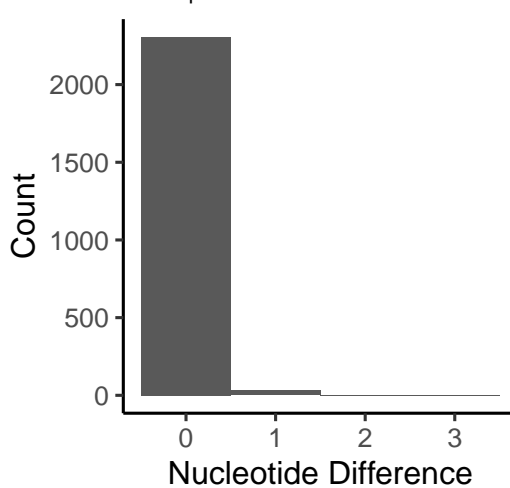
TRBV23–1*ap01

788 sequences assigned
772 (98%) exact matches, in which:
744 unique CDR3
14 unique J



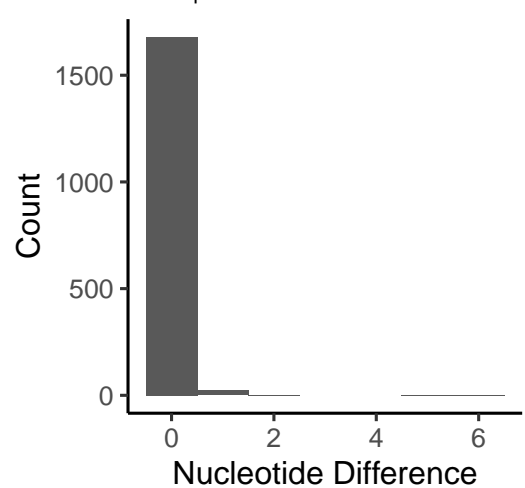
TRBV4–1*ap01

2338 sequences assigned
2306 (98.6%) exact matches, in which:
2262 unique CDR3
14 unique J



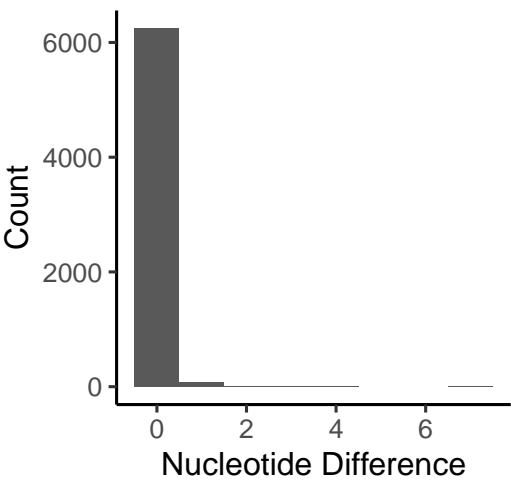
TRBV25–1*ap01

1705 sequences assigned
1679 (98.5%) exact matches, in which:
1649 unique CDR3
14 unique J



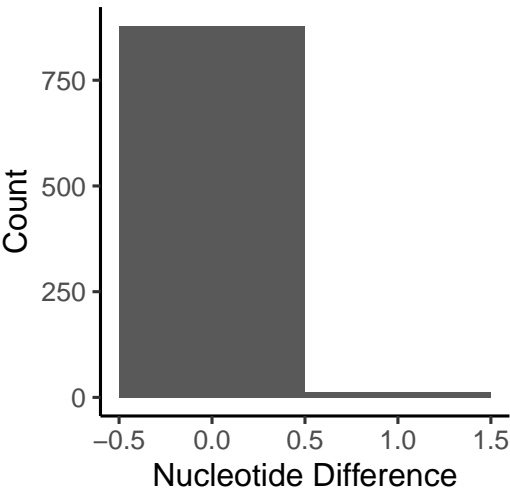
TRBV5-1*ap01

6322 sequences assigned
6245 (98.8%) exact matches, in which:
6082 unique CDR3
14 unique J



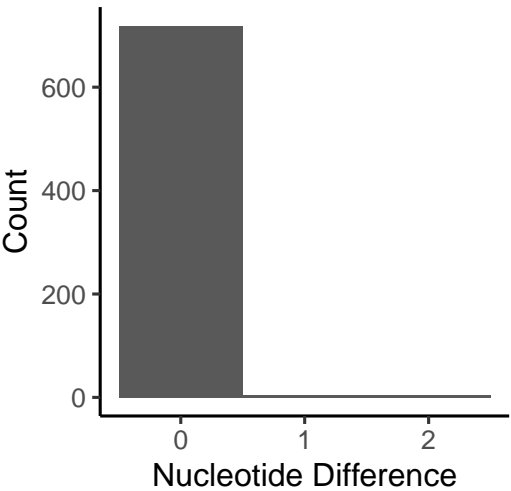
TRBV5-5*ap01

891 sequences assigned
879 (98.7%) exact matches, in which:
871 unique CDR3
14 unique J



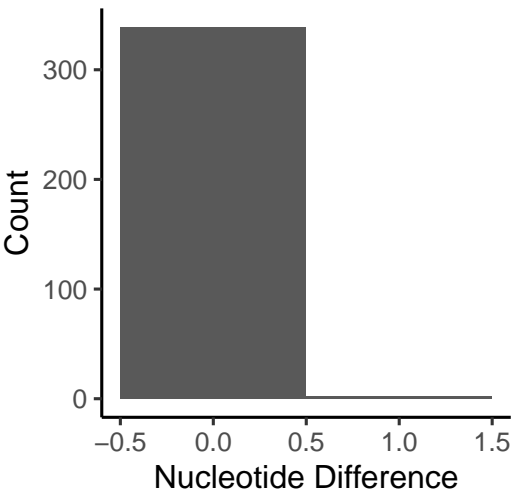
TRBV5-8*ap01

728 sequences assigned
719 (98.8%) exact matches, in which:
690 unique CDR3
14 unique J



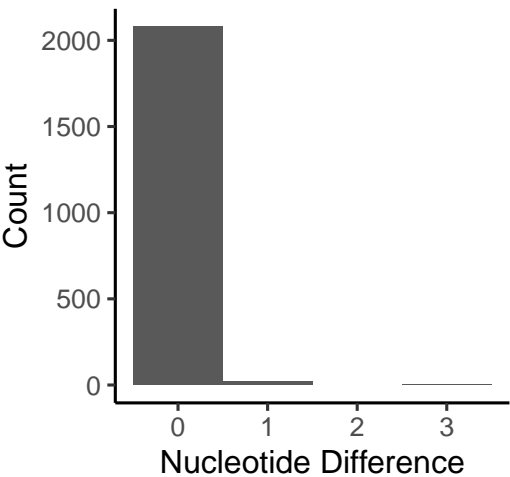
TRBV5-3*ap01

341 sequences assigned
339 (99.4%) exact matches, in which:
334 unique CDR3
14 unique J



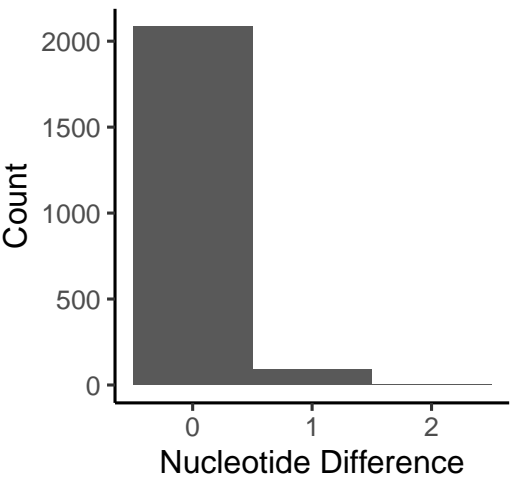
TRBV5-6*ap01

2099 sequences assigned
2079 (99%) exact matches, in which:
2024 unique CDR3
14 unique J



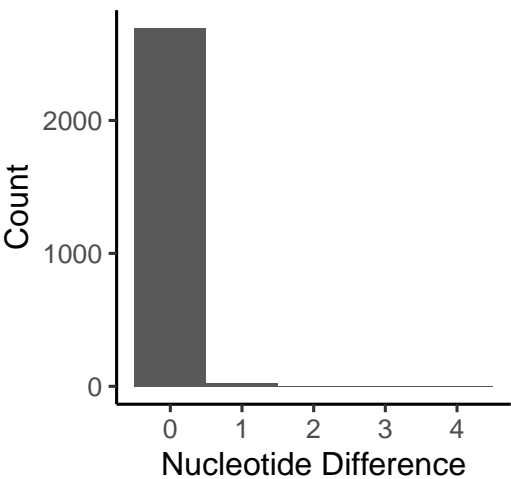
TRBV6-1*ap01

2177 sequences assigned
2084 (95.7%) exact matches, in which:
2028 unique CDR3
14 unique J



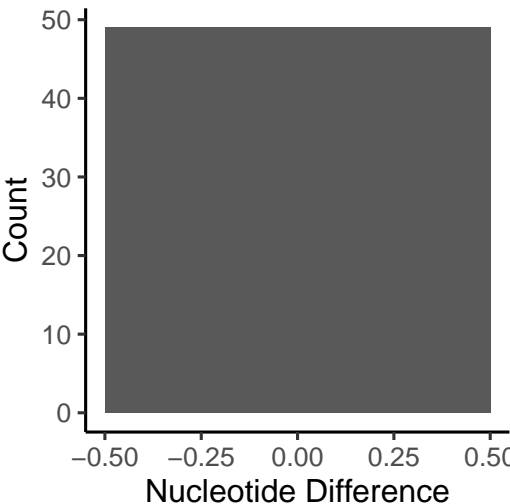
TRBV5-4*ap01

2724 sequences assigned
2695 (98.9%) exact matches, in which:
2614 unique CDR3
14 unique J



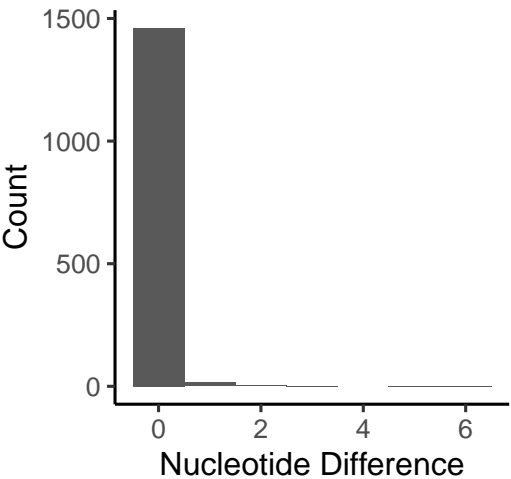
TRBV5-7*ap01

49 sequences assigned
49 (100%) exact matches, in which:
46 unique CDR3
13 unique J



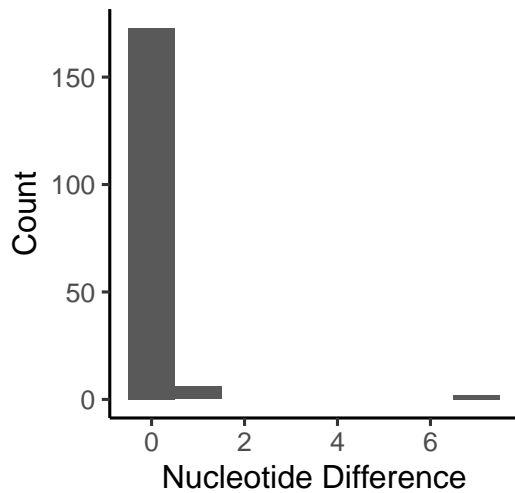
TRBV6-4*ap01

1484 sequences assigned
1461 (98.5%) exact matches, in which:
1424 unique CDR3
14 unique J



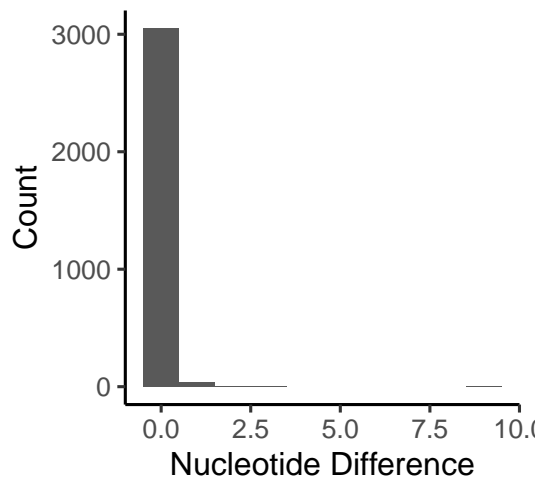
TRBV6-7*ap01

181 sequences assigned
173 (95.6%) exact matches, in which:
166 unique CDR3
13 unique J



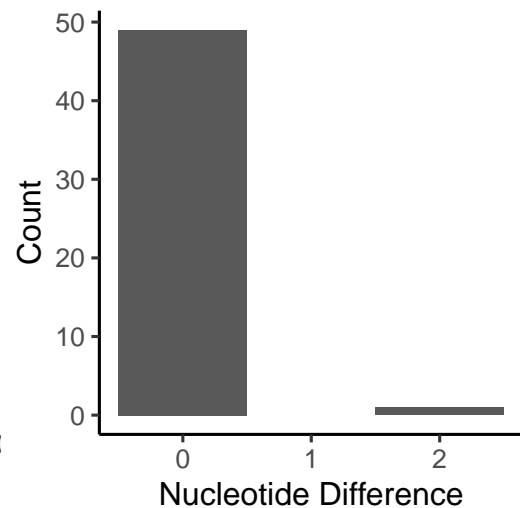
TRBV6-23*ap01

3090 sequences assigned
3050 (98.7%) exact matches, in which:
2971 unique CDR3
14 unique J



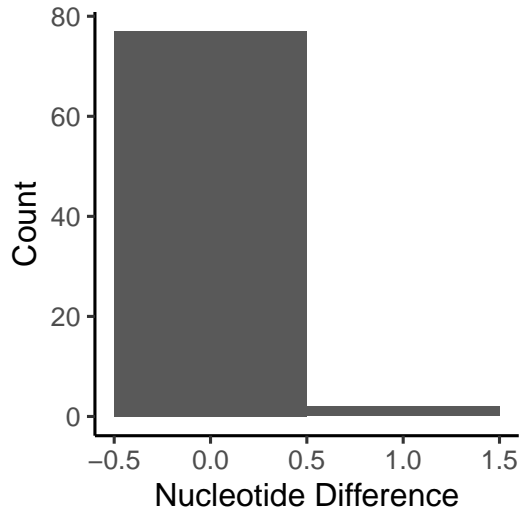
TRBV7-1*ap01_G291C_T

50 sequences assigned
49 (98%) exact matches, in which:
47 unique CDR3
10 unique J



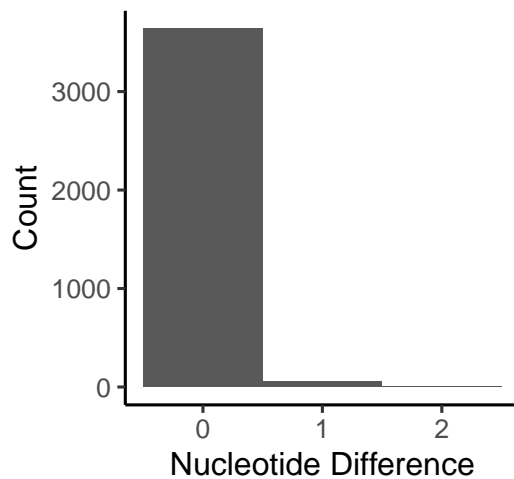
TRBV6-8*ap01

79 sequences assigned
77 (97.5%) exact matches, in which:
75 unique CDR3
13 unique J



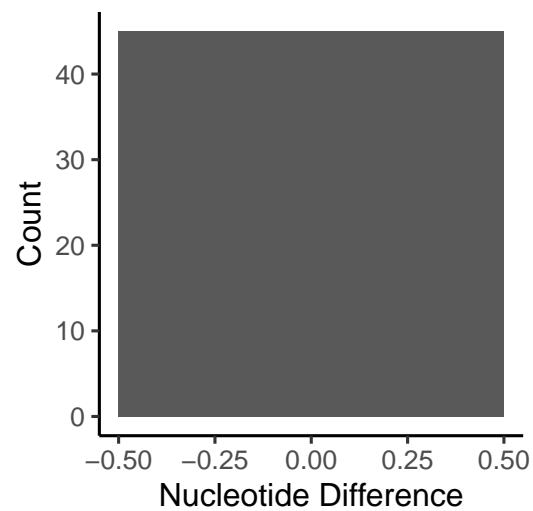
TRBV6-56*ap01

3697 sequences assigned
3638 (98.4%) exact matches, in which:
3557 unique CDR3
14 unique J



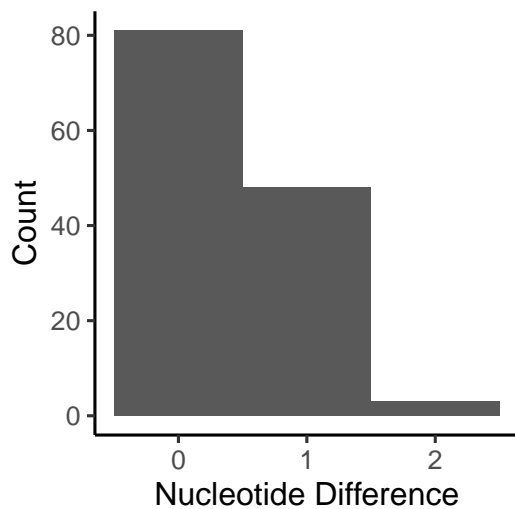
TRBV7-1*ap01_G291C_T

45 sequences assigned
45 (100%) exact matches, in which:
45 unique CDR3
11 unique J



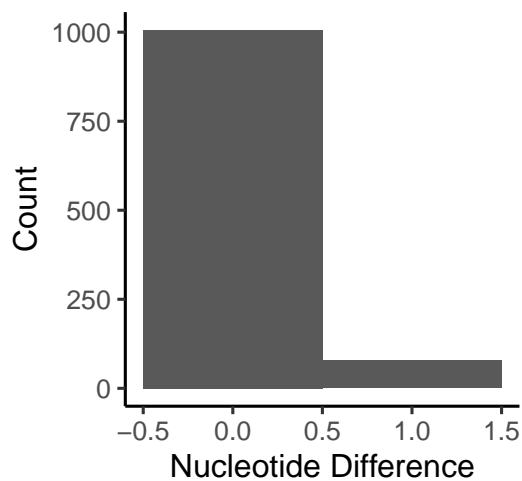
TRBV6-9*ap01

132 sequences assigned
81 (61.4%) exact matches, in which:
75 unique CDR3
13 unique J



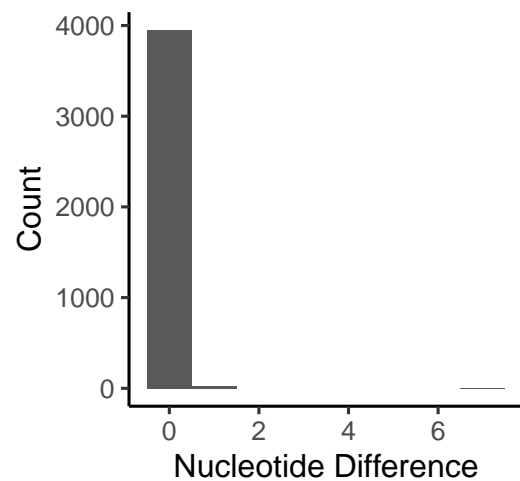
TRBV6-56*ap02

1084 sequences assigned
1006 (92.8%) exact matches, in which:
981 unique CDR3
14 unique J



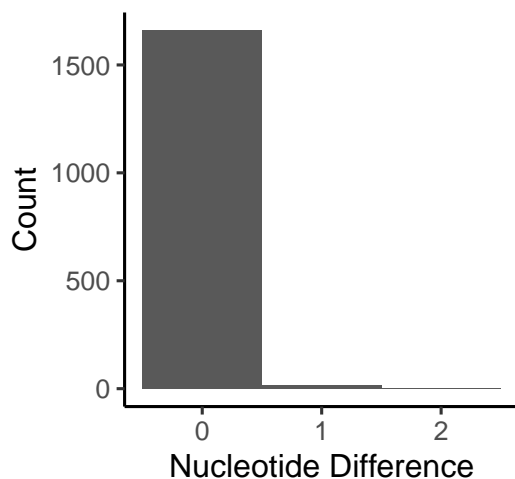
TRBV7-2*ap01

3976 sequences assigned
3950 (99.3%) exact matches, in which:
3888 unique CDR3
14 unique J



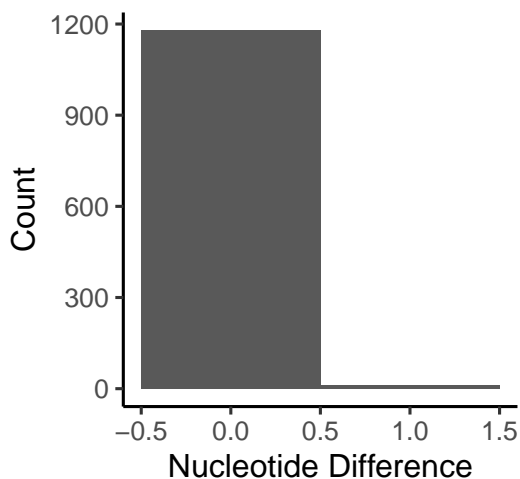
TRBV7-3*ap01

1677 sequences assigned
1660 (99%) exact matches, in which:
1632 unique CDR3
14 unique J



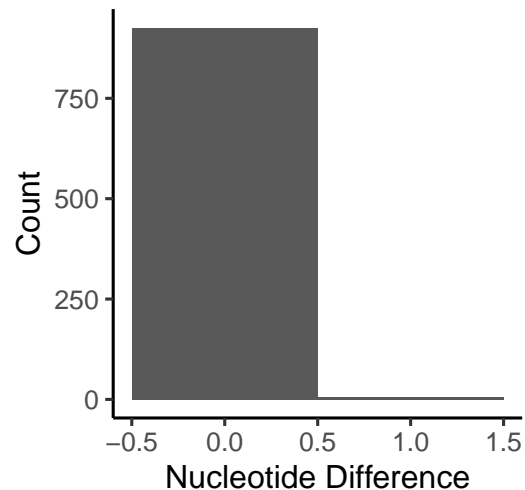
TRBV7-6*ap01

1192 sequences assigned
1179 (98.9%) exact matches, in which:
1159 unique CDR3
14 unique J



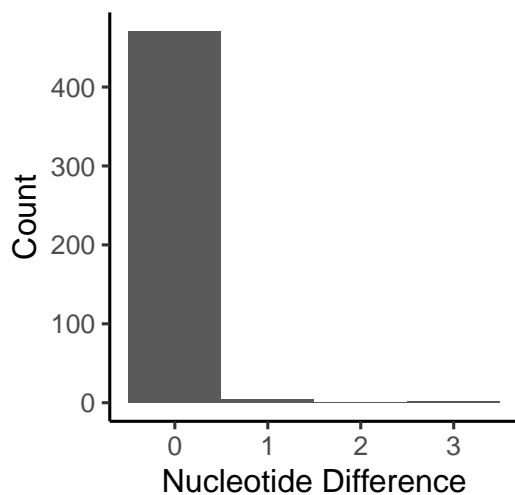
TRBV7-8*ap01

933 sequences assigned
926 (99.2%) exact matches, in which:
904 unique CDR3
14 unique J



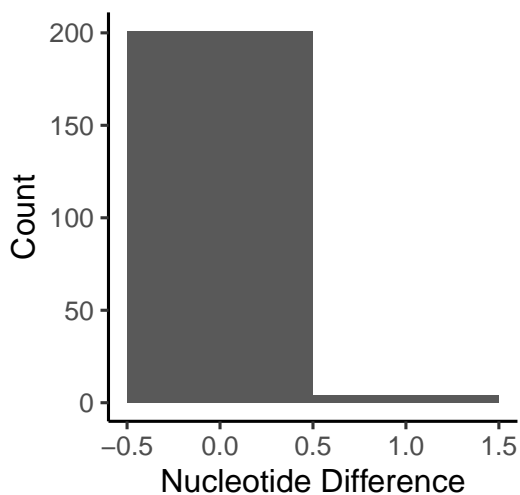
TRBV7-3*ap03

479 sequences assigned
471 (98.3%) exact matches, in which:
454 unique CDR3
13 unique J



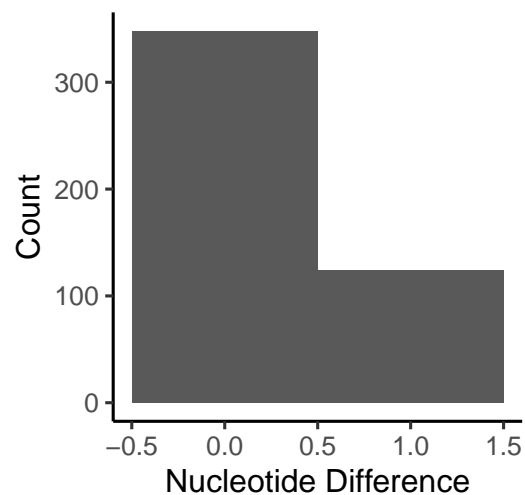
TRBV7-7*ap01

205 sequences assigned
201 (98%) exact matches, in which:
198 unique CDR3
12 unique J



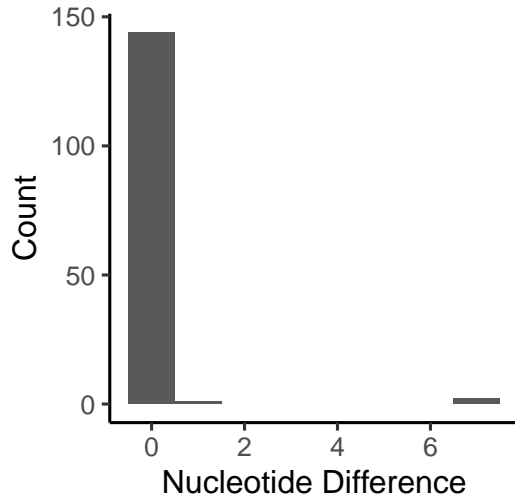
TRBV7-8*ap03

472 sequences assigned
348 (73.7%) exact matches, in which:
337 unique CDR3
14 unique J



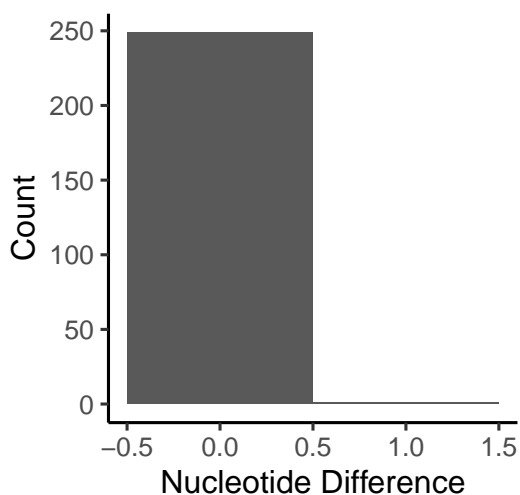
TRBV7-4*ap01

147 sequences assigned
144 (98%) exact matches, in which:
141 unique CDR3
13 unique J



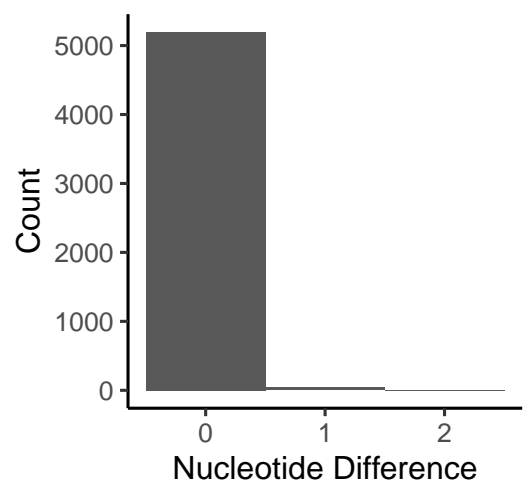
TRBV7-7*ap01_C315T

250 sequences assigned
249 (99.6%) exact matches, in which:
244 unique CDR3
12 unique J



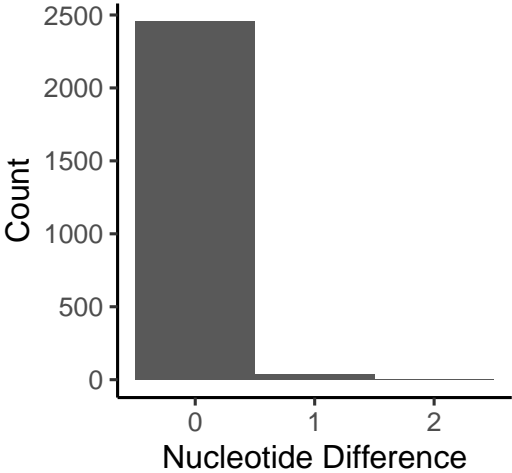
TRBV7-9*ap01

5237 sequences assigned
5196 (99.2%) exact matches, in which:
5092 unique CDR3
14 unique J



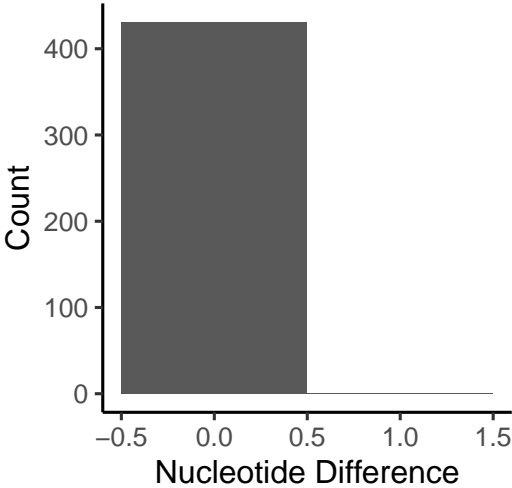
TRBV29-1*ap01

2494 sequences assigned
2456 (98.5%) exact matches, in which:
2406 unique CDR3
14 unique J

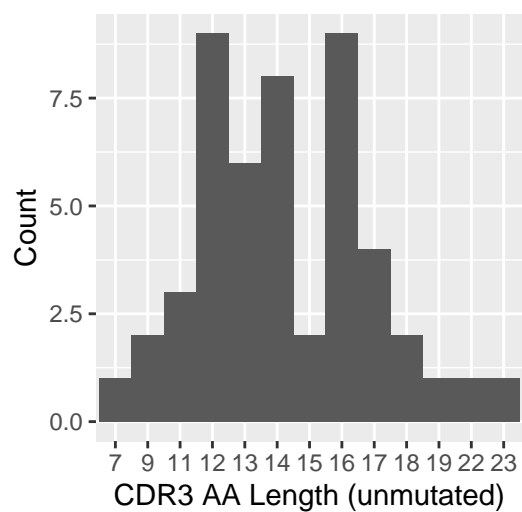


TRBV29-1*ap02

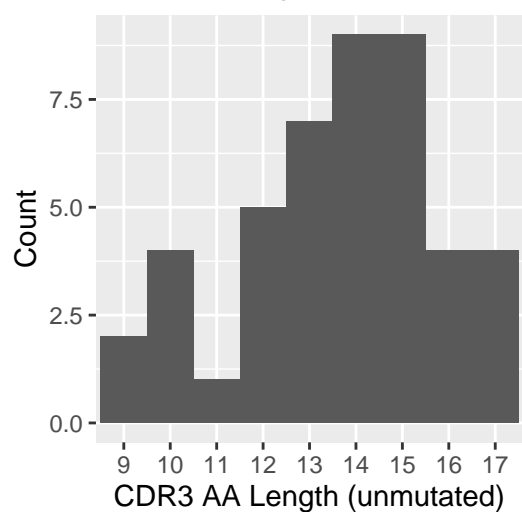
432 sequences assigned
431 (99.8%) exact matches, in which:
424 unique CDR3
14 unique J



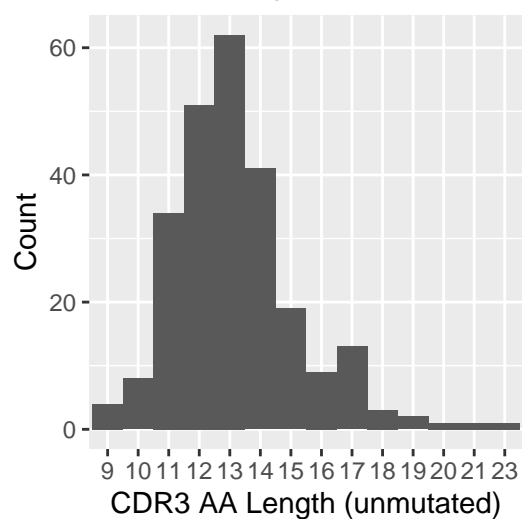
TRBV7-1*ap01_G291C_T296C

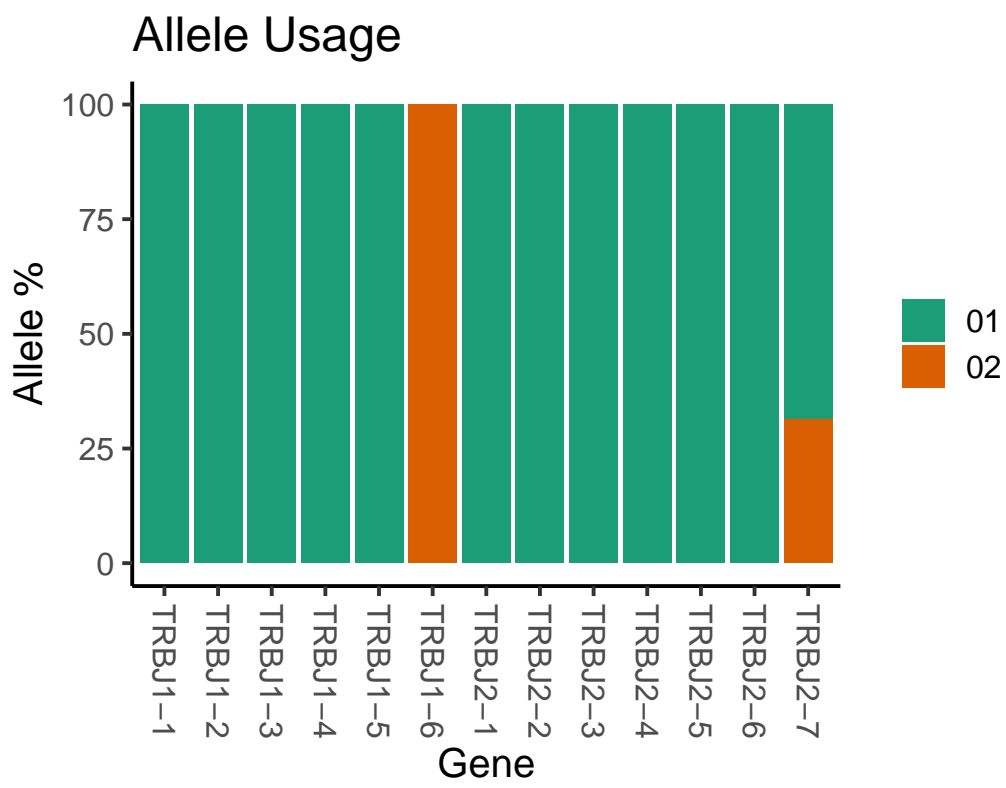


TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





Sequence Count by TRBJ2-7 allele usage

