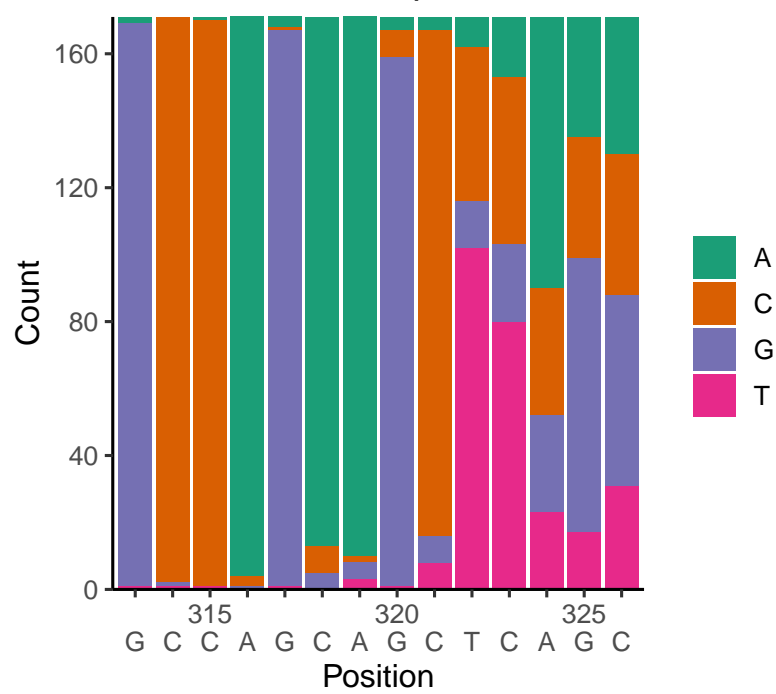
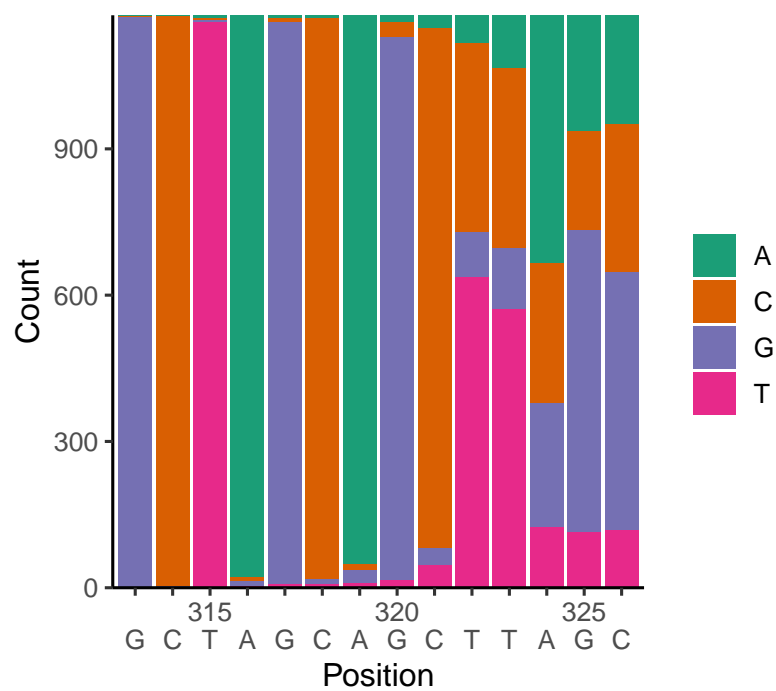


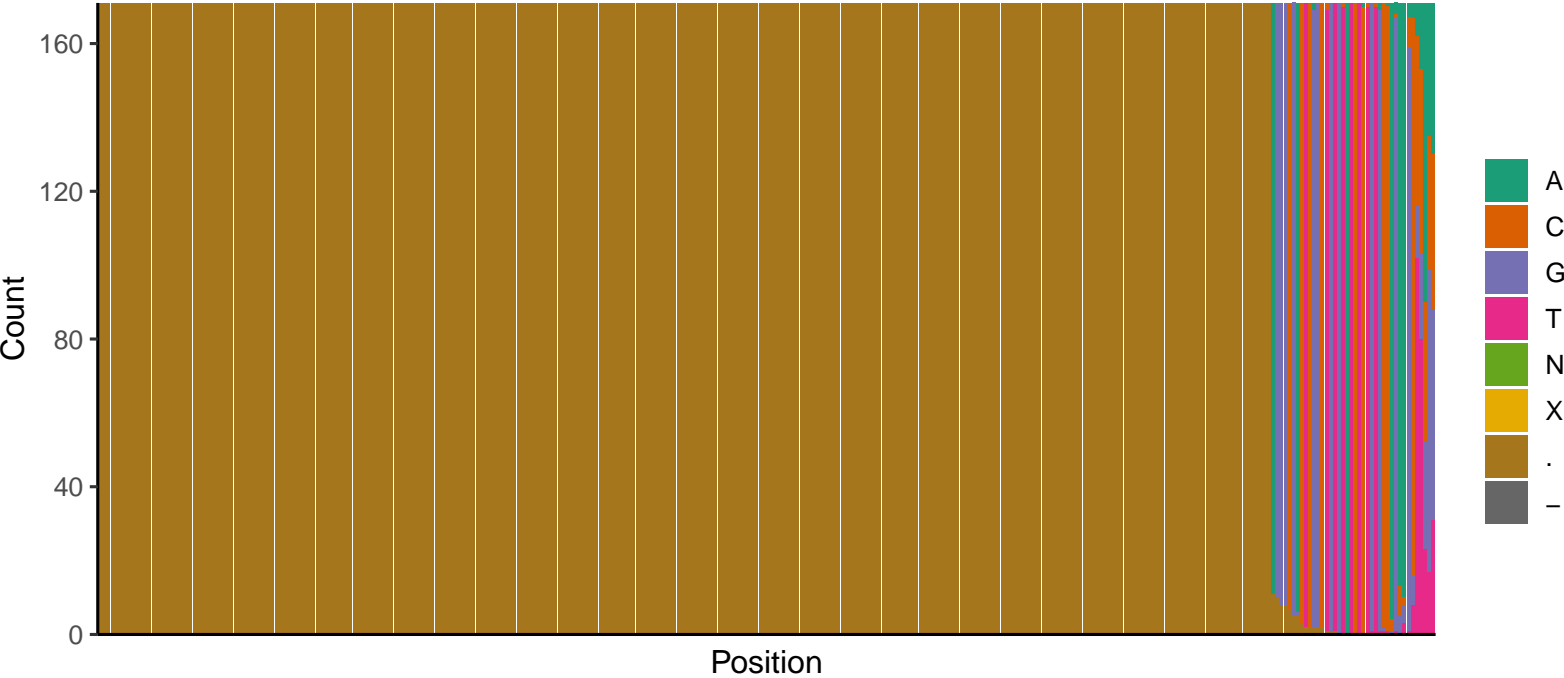
Gene TRBV7-1*ap01_G291C_T296C



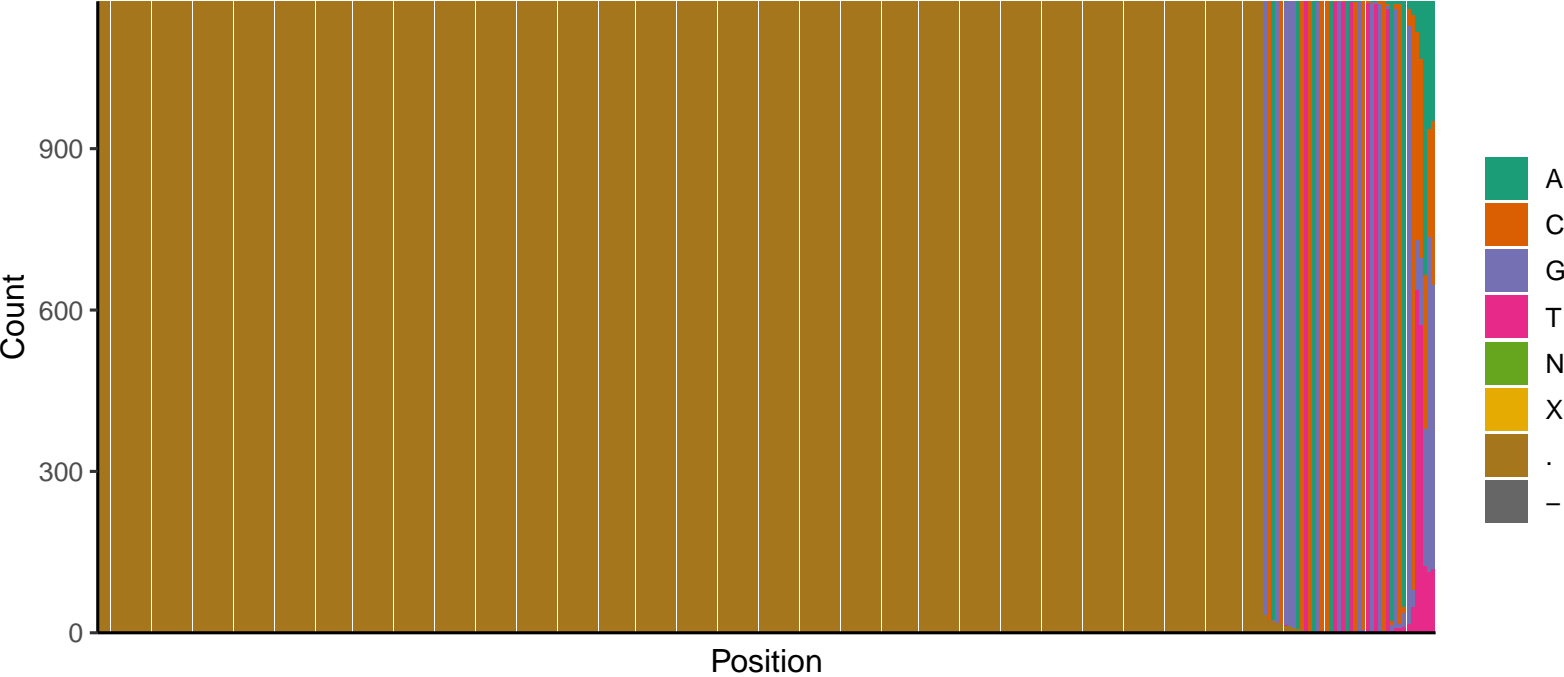
Gene TRBV7-7*ap01_C315T



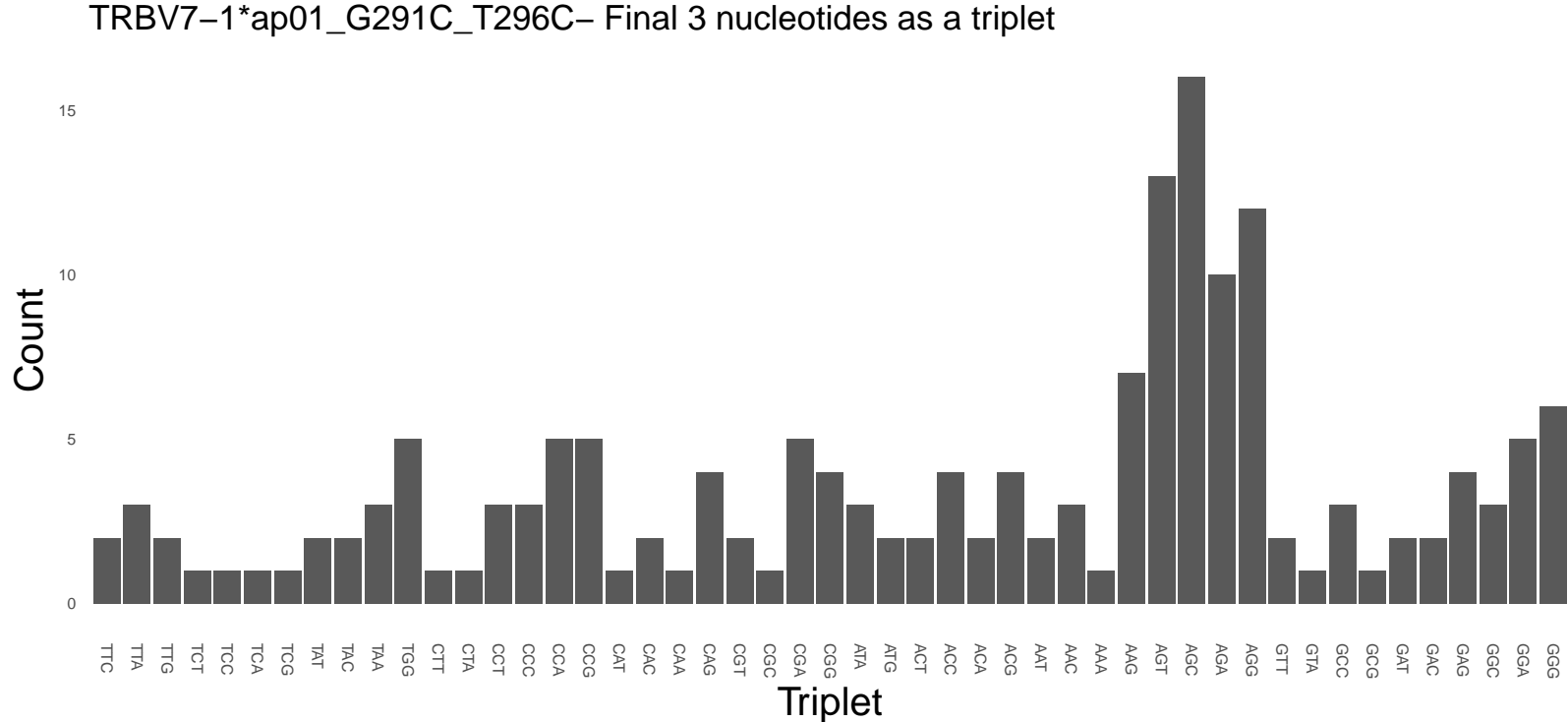
Gene TRBV7-1*ap01_G291C_T296C



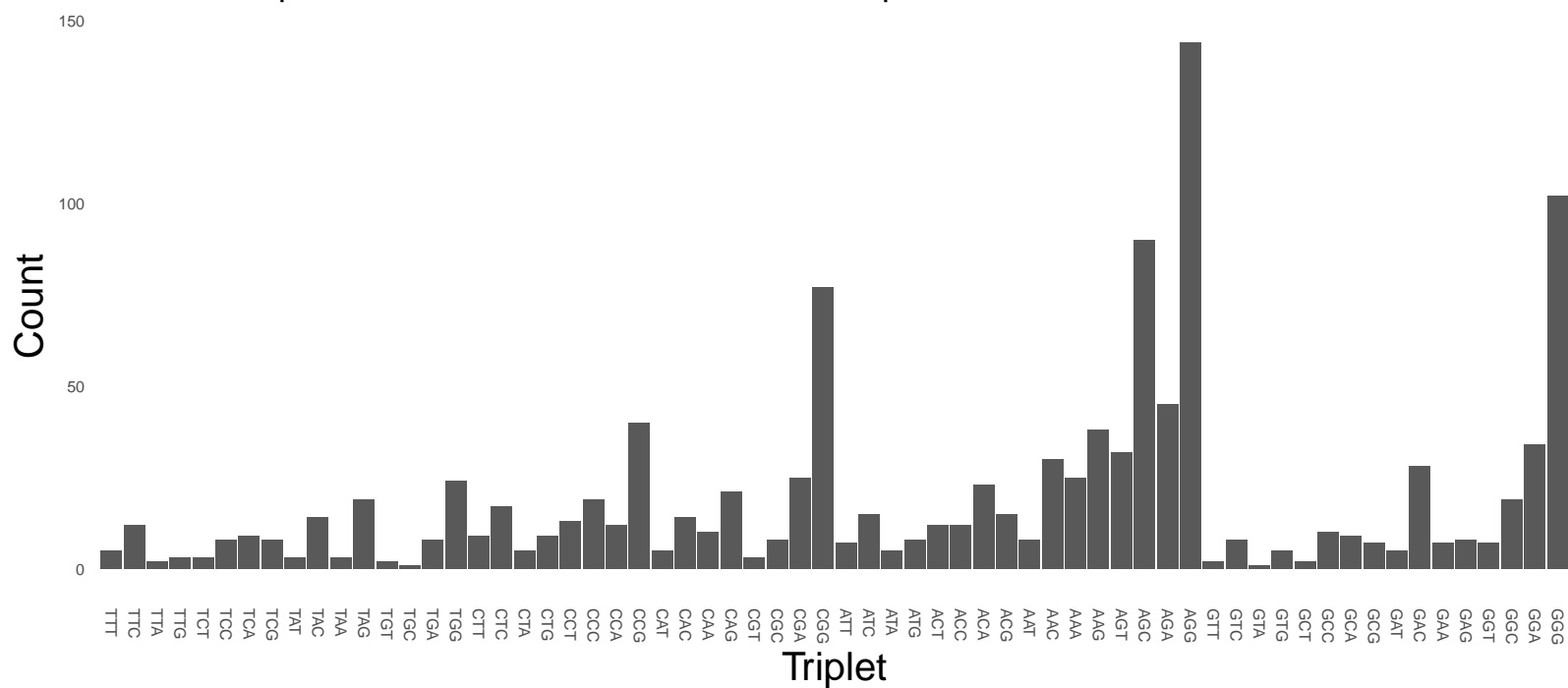
Gene TRBV7-7*ap01_C315T



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

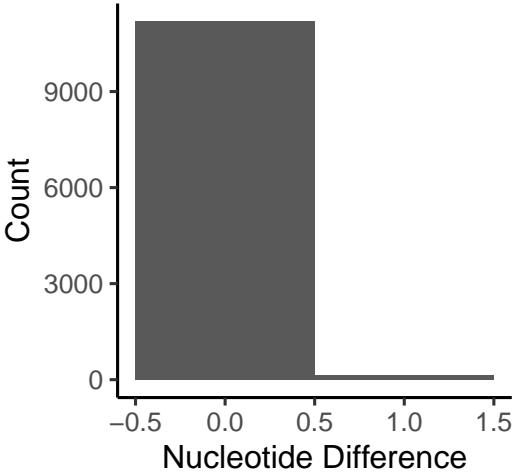


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



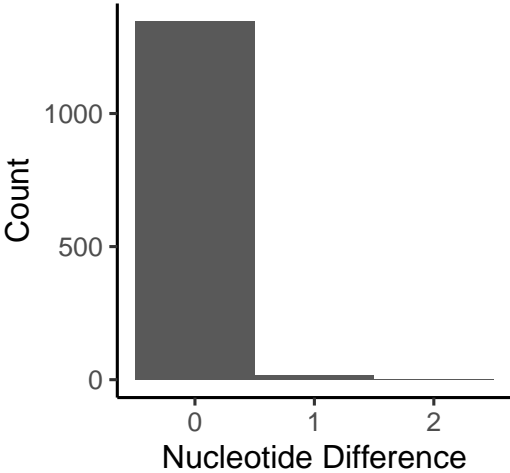
TRBV20-1*ap01

11333 sequences assigned
11192 (98.8%) exact matches, in which:
11003 unique CDR3
13 unique J



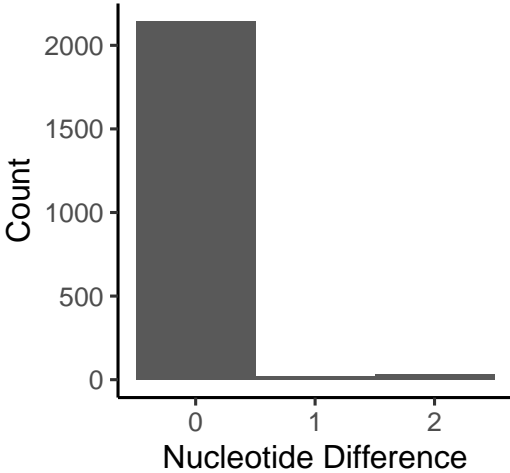
TRBV10-2*ap01

1364 sequences assigned
1346 (98.7%) exact matches, in which:
1329 unique CDR3
13 unique J



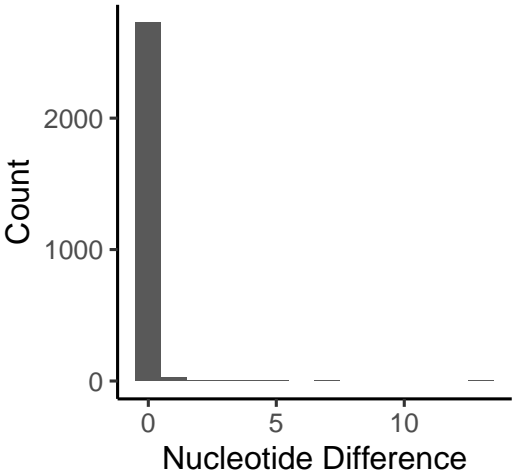
TRBV13*ap01

2197 sequences assigned
2143 (97.5%) exact matches, in which:
2082 unique CDR3
13 unique J



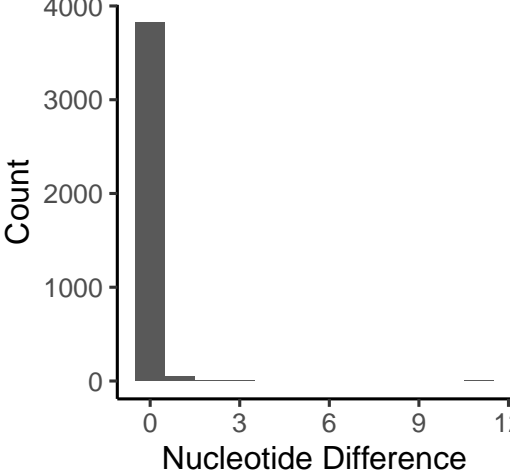
TRBV10-1*ap01

2761 sequences assigned
2726 (98.7%) exact matches, in which:
2659 unique CDR3
13 unique J



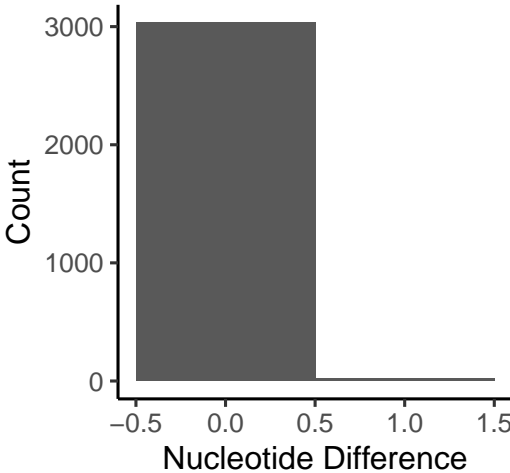
TRBV10-3*ap01

3879 sequences assigned
3821 (98.5%) exact matches, in which:
3729 unique CDR3
13 unique J



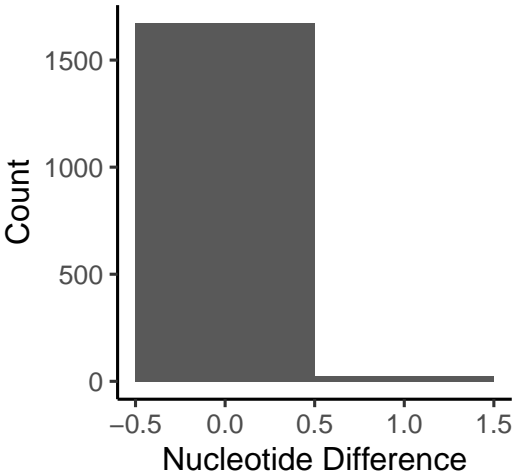
TRBV14*ap01

3053 sequences assigned
3033 (99.3%) exact matches, in which:
2971 unique CDR3
13 unique J



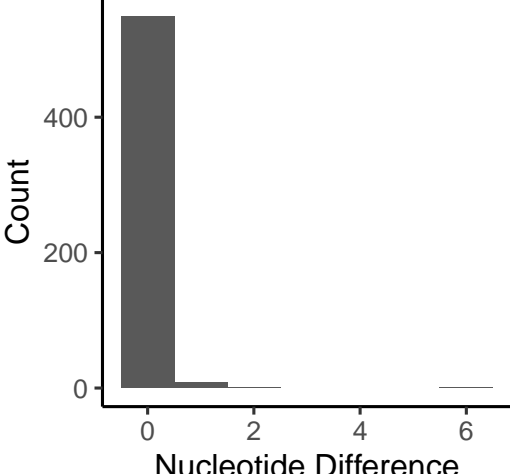
TRBV20-1*ap02

1698 sequences assigned
1673 (98.5%) exact matches, in which:
1636 unique CDR3
13 unique J



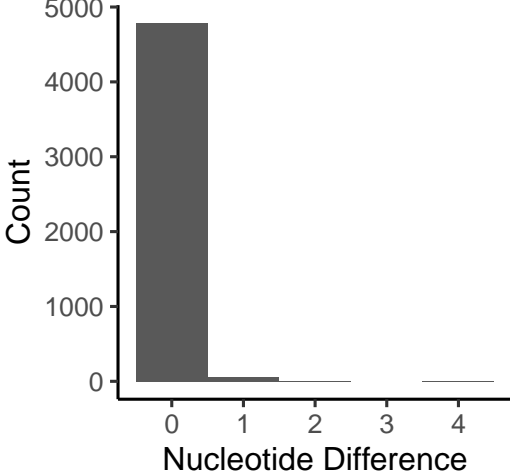
TRBV1*ap01

559 sequences assigned
549 (98.2%) exact matches, in which:
537 unique CDR3
13 unique J



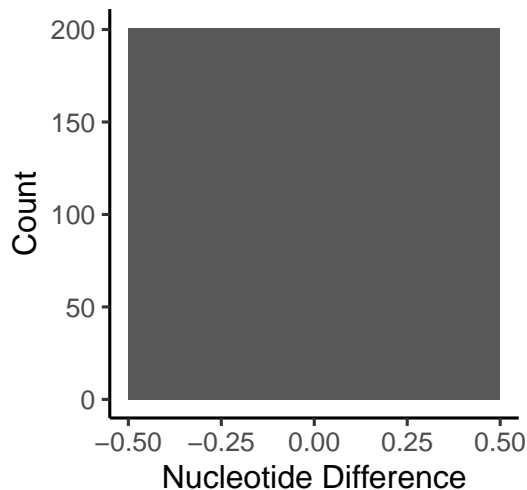
TRBV15*ap02

4848 sequences assigned
4786 (98.7%) exact matches, in which:
4680 unique CDR3
13 unique J



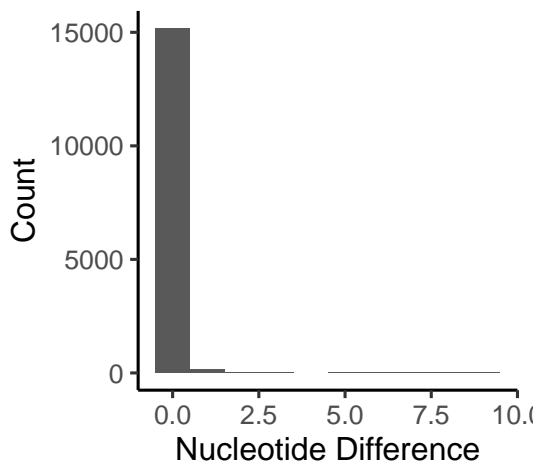
TRBV16*ap01

201 sequences assigned
201 (100%) exact matches, in which:
199 unique CDR3
13 unique J



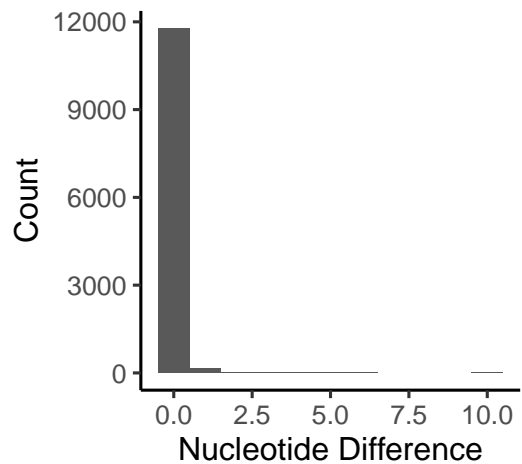
TRBV19*ap01

15358 sequences assigned
15184 (98.9%) exact matches, in which:
15042 unique CDR3
13 unique J



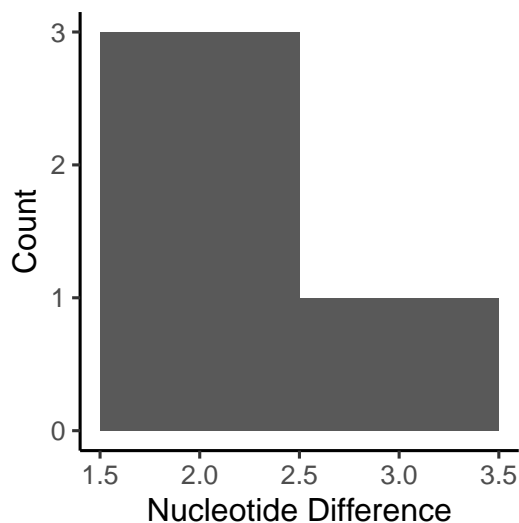
TRBV27*ap01

11966 sequences assigned
11784 (98.5%) exact matches, in which:
11504 unique CDR3
13 unique J



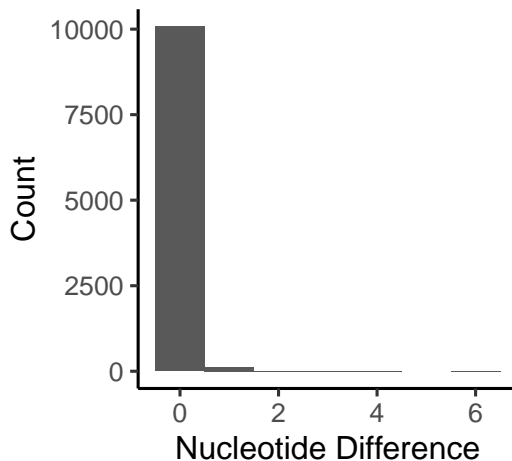
TRBV17*ap01

4 sequences assigned
No exact matches.



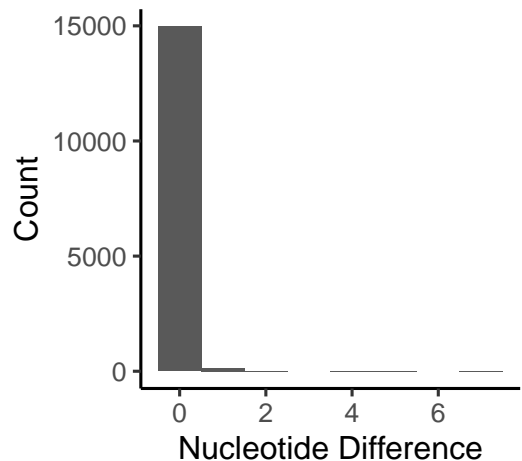
TRBV2*ap01

10213 sequences assigned
10078 (98.7%) exact matches, in which:
9826 unique CDR3
13 unique J



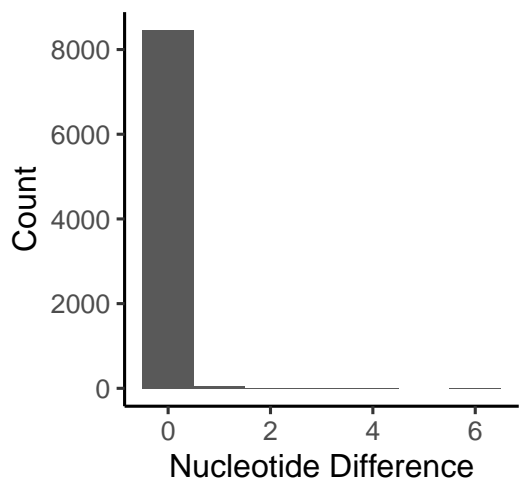
TRBV28*ap01

15124 sequences assigned
14973 (99%) exact matches, in which:
14667 unique CDR3
13 unique J



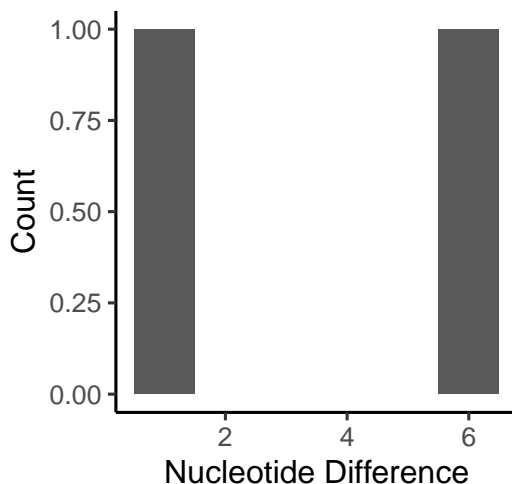
TRBV18*ap01

8514 sequences assigned
8460 (99.4%) exact matches, in which:
8374 unique CDR3
13 unique J



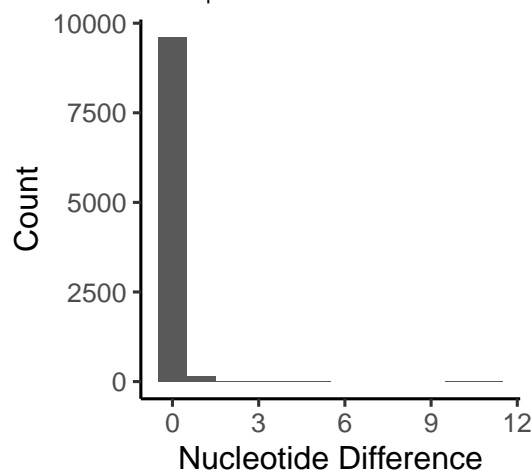
TRBV26*ap01

2 sequences assigned
No exact matches.



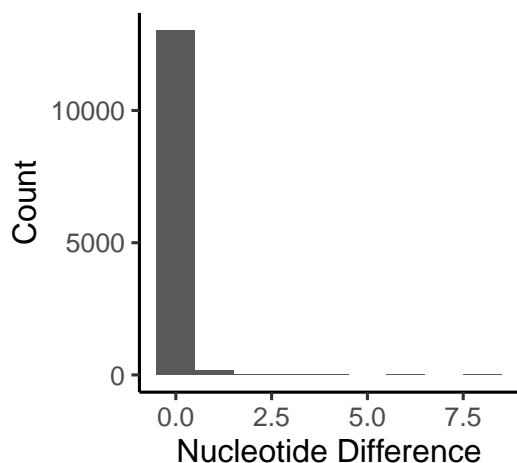
TRBV30*ap01

9802 sequences assigned
9621 (98.2%) exact matches, in which:
9464 unique CDR3
13 unique J



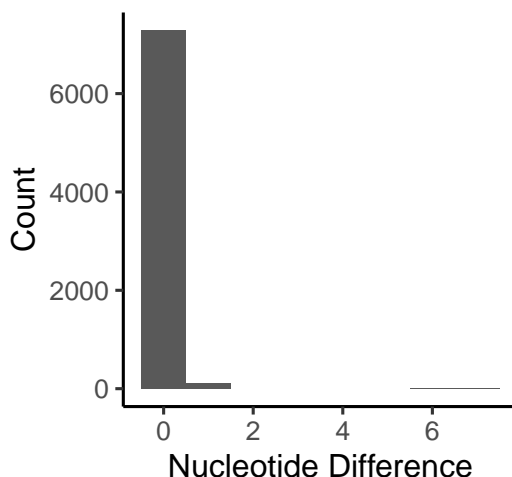
TRBV9*ap01

13217 sequences assigned
13038 (98.6%) exact matches, in which:
12815 unique CDR3
13 unique J



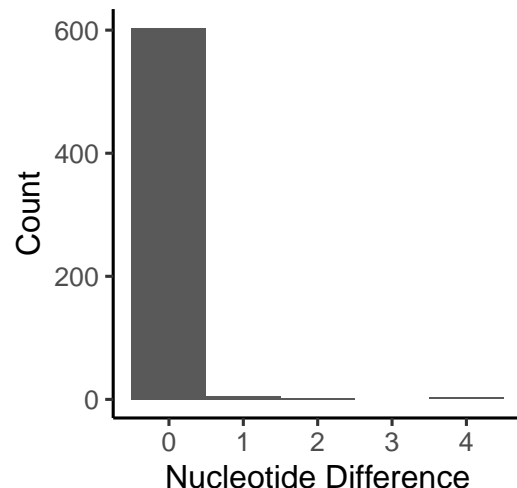
TRBV11-2*ap01

7390 sequences assigned
7285 (98.6%) exact matches, in which:
7123 unique CDR3
13 unique J



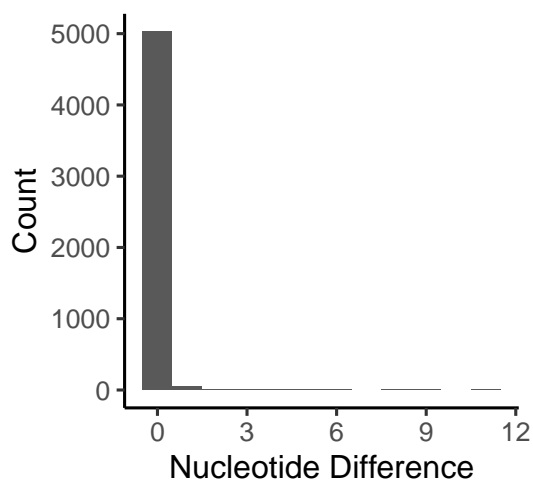
TRBV12-2*ap01

614 sequences assigned
604 (98.4%) exact matches, in which:
598 unique CDR3
13 unique J



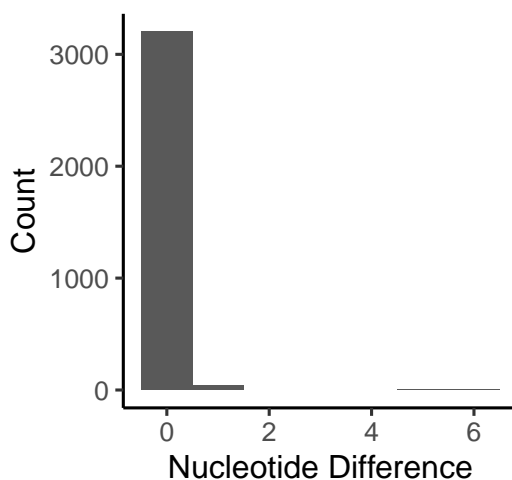
TRBV21-1*ap01

5104 sequences assigned
5027 (98.5%) exact matches, in which:
4954 unique CDR3
13 unique J



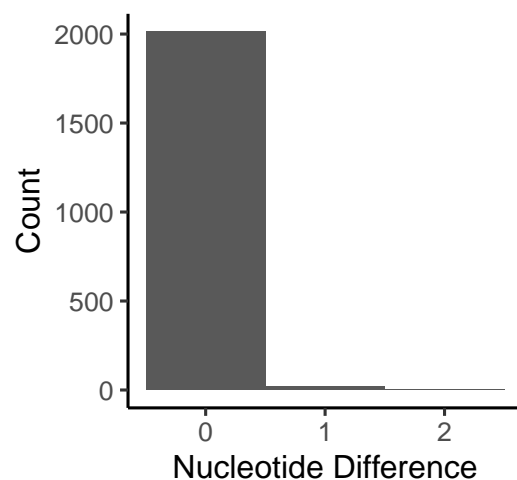
TRBV11-3*ap01

3241 sequences assigned
3202 (98.8%) exact matches, in which:
3144 unique CDR3
13 unique J



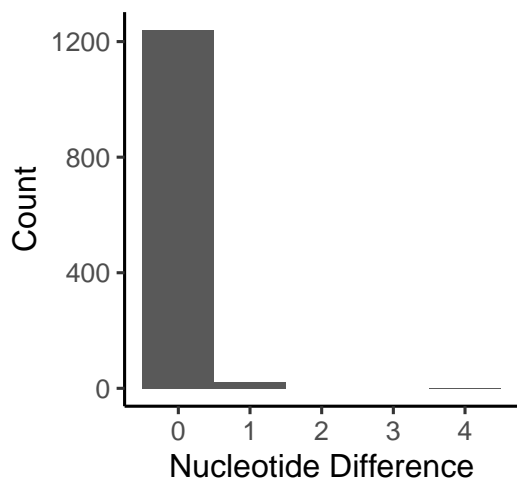
TRBV12-5*ap01

2035 sequences assigned
2013 (98.9%) exact matches, in which:
1980 unique CDR3
13 unique J



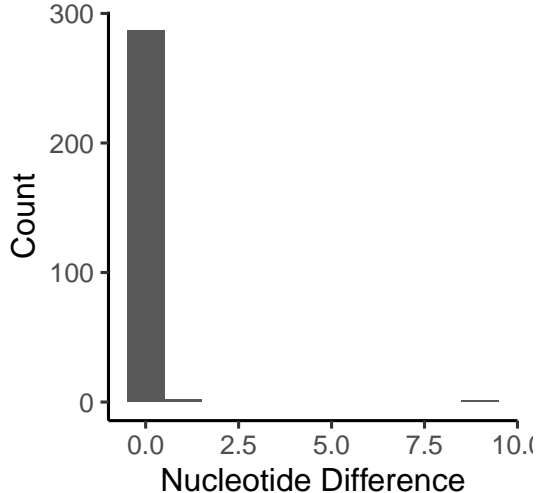
TRBV11-1*ap01

1263 sequences assigned
1240 (98.2%) exact matches, in which:
1208 unique CDR3
13 unique J



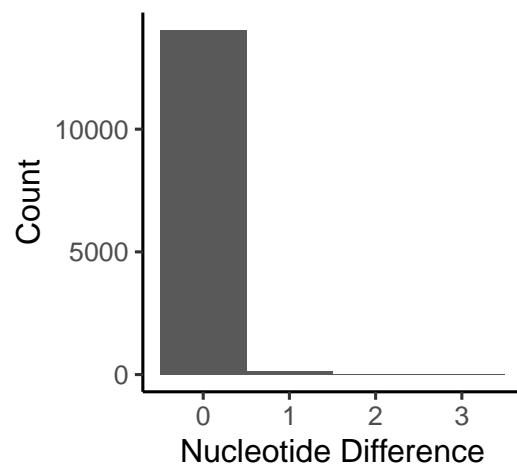
TRBV12-1*ap01

290 sequences assigned
287 (99%) exact matches, in which:
283 unique CDR3
13 unique J



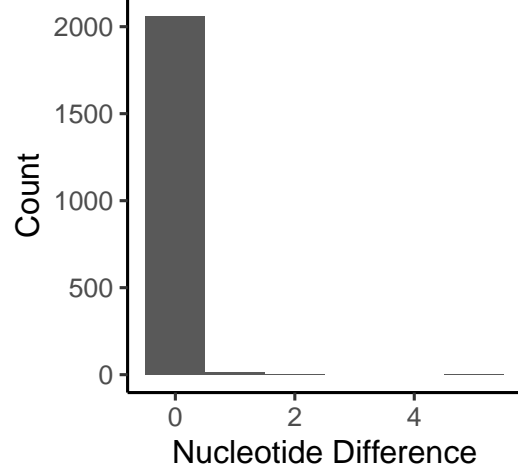
TRBV12-34*ap01

14199 sequences assigned
14050 (99%) exact matches, in which:
13773 unique CDR3
13 unique J



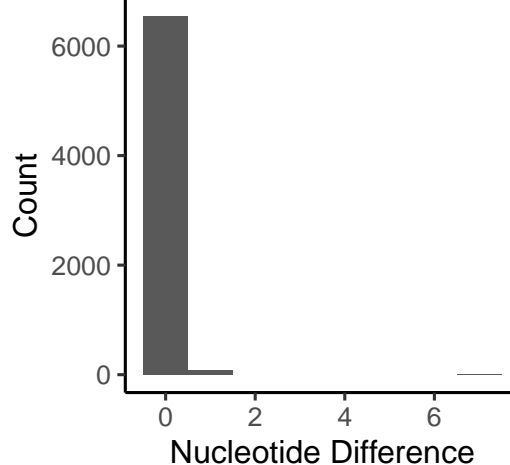
TRBV23-1*ap01

2079 sequences assigned
2059 (99%) exact matches, in which:
2020 unique CDR3
13 unique J



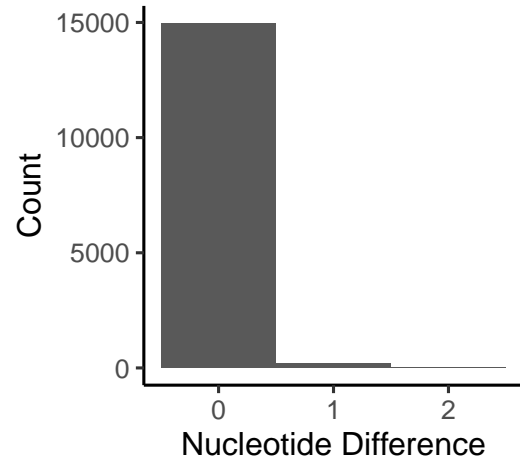
TRBV4-1*ap01

6634 sequences assigned
6542 (98.6%) exact matches, in which:
6397 unique CDR3
13 unique J



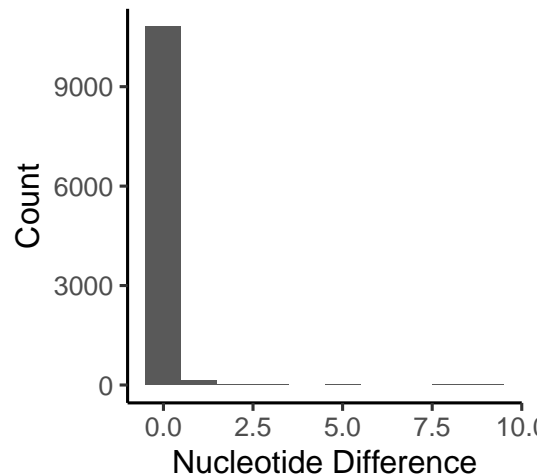
TRBV5-1*ap01

15164 sequences assigned
14970 (98.7%) exact matches, in which:
14593 unique CDR3
13 unique J



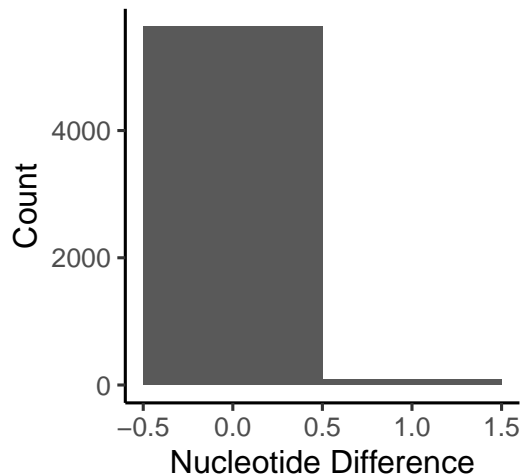
TRBV3-12*ap01

10958 sequences assigned
10809 (98.6%) exact matches, in which:
10564 unique CDR3
13 unique J



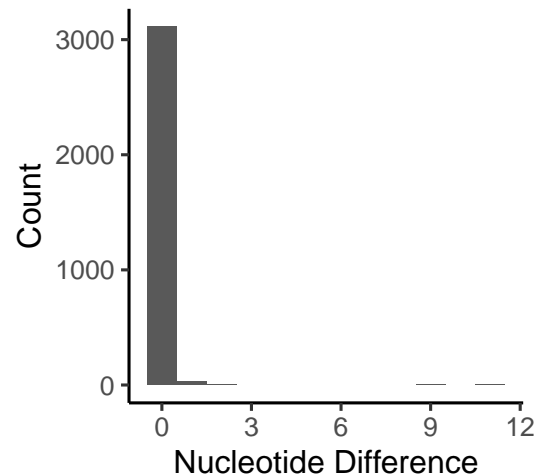
TRBV4-2*ap01

5713 sequences assigned
5632 (98.6%) exact matches, in which:
5514 unique CDR3
13 unique J



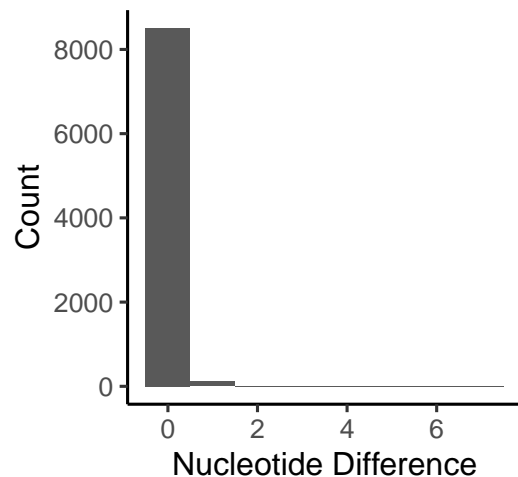
TRBV25-1*ap01

3147 sequences assigned
3112 (98.9%) exact matches, in which:
3041 unique CDR3
13 unique J



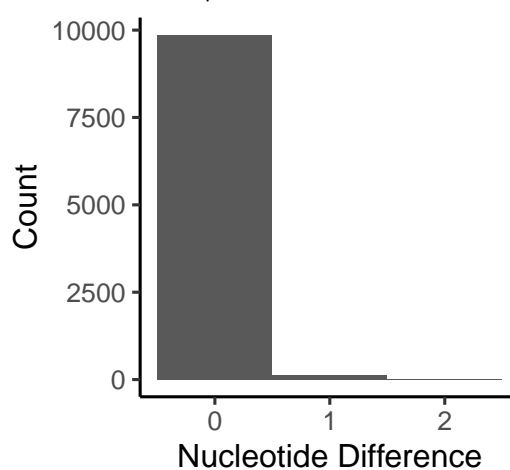
TRBV24-1*ap01

8638 sequences assigned
8508 (98.5%) exact matches, in which:
8365 unique CDR3
13 unique J



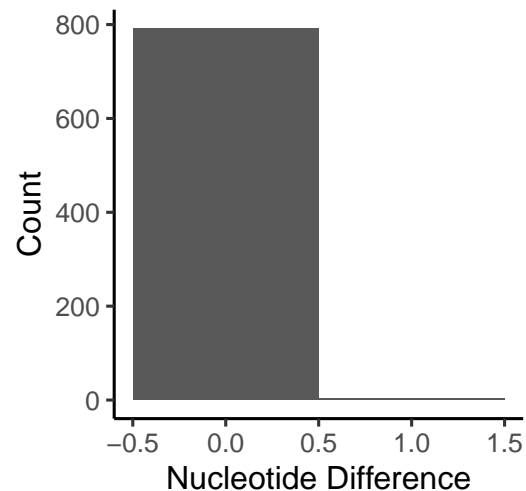
TRBV4-3*ap01

9983 sequences assigned
9866 (98.8%) exact matches, in which:
9642 unique CDR3
13 unique J



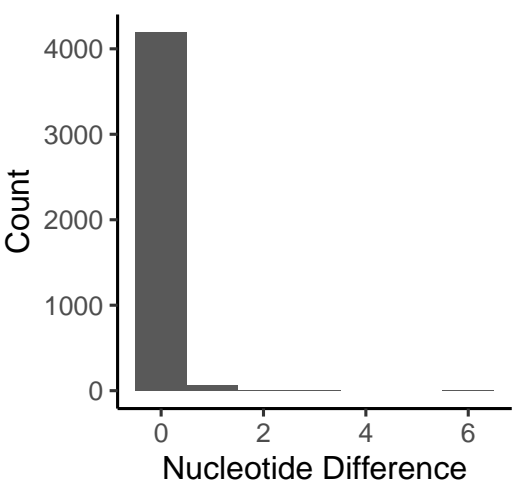
TRBV5-3*ap01

796 sequences assigned
792 (99.5%) exact matches, in which:
776 unique CDR3
13 unique J



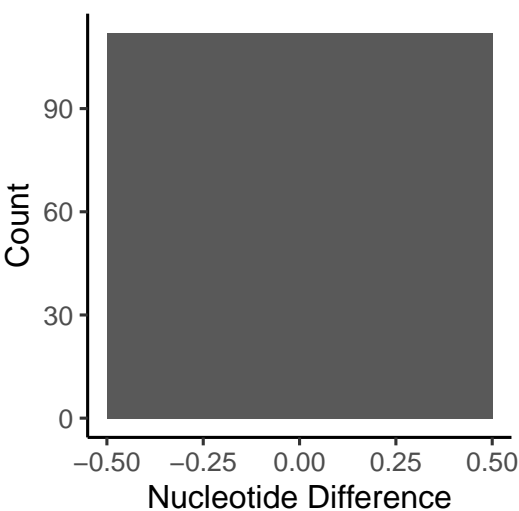
TRBV5-4*ap01

4264 sequences assigned
4192 (98.3%) exact matches, in which:
4079 unique CDR3
13 unique J



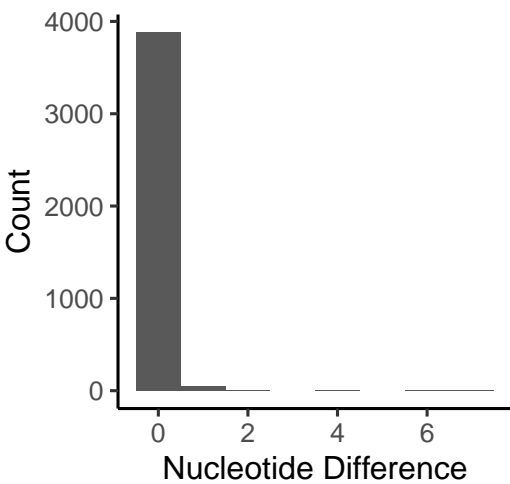
TRBV5-7*ap01

112 sequences assigned
112 (100%) exact matches, in which:
111 unique CDR3
13 unique J



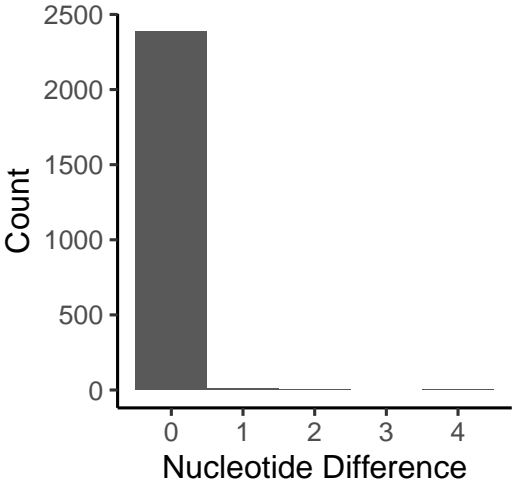
TRBV6-4*ap01

3942 sequences assigned
3881 (98.5%) exact matches, in which:
3814 unique CDR3
13 unique J



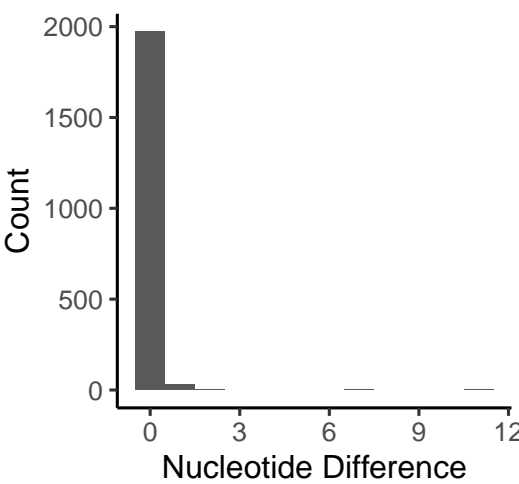
TRBV5-5*ap01

2397 sequences assigned
2385 (99.5%) exact matches, in which:
2365 unique CDR3
13 unique J



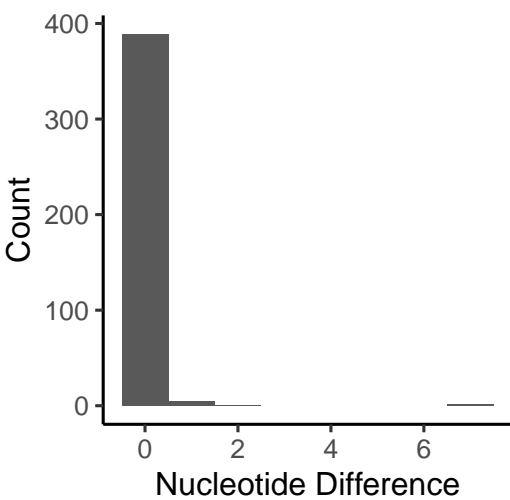
TRBV5-8*ap01

2007 sequences assigned
1972 (98.3%) exact matches, in which:
1931 unique CDR3
13 unique J



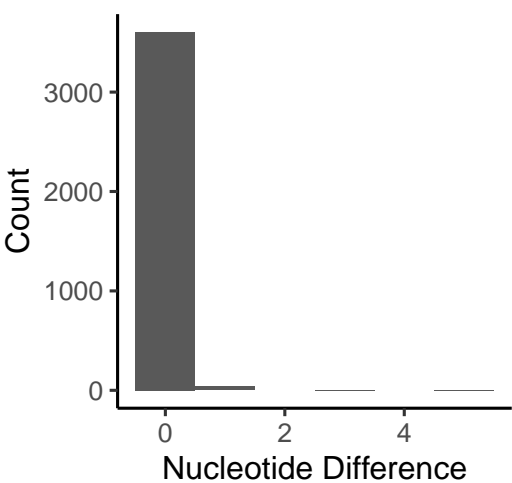
TRBV6-7*ap01

397 sequences assigned
389 (98%) exact matches, in which:
383 unique CDR3
13 unique J



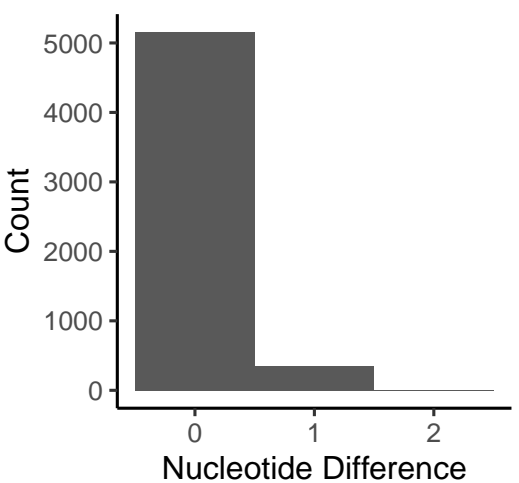
TRBV5-6*ap01

3643 sequences assigned
3604 (98.9%) exact matches, in which:
3522 unique CDR3
13 unique J



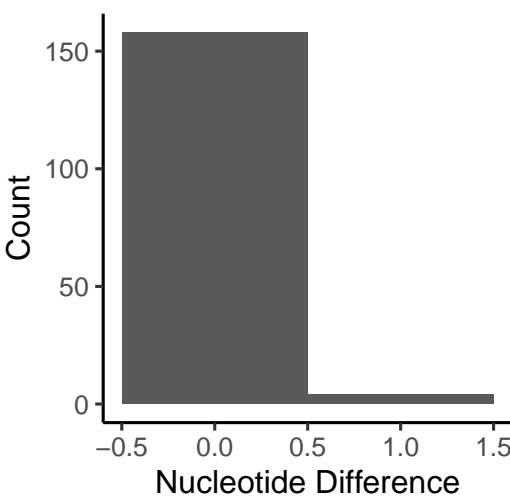
TRBV6-1*ap01

5512 sequences assigned
5157 (93.6%) exact matches, in which:
5025 unique CDR3
13 unique J



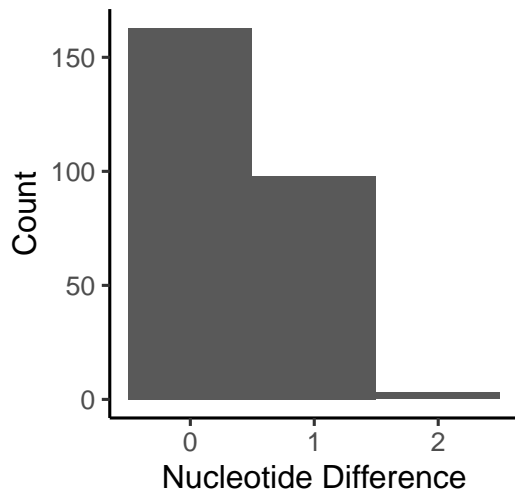
TRBV6-8*ap01

162 sequences assigned
158 (97.5%) exact matches, in which:
154 unique CDR3
13 unique J



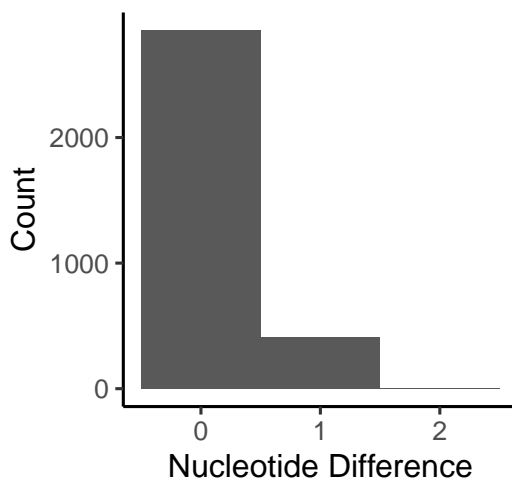
TRBV6-9*ap01

264 sequences assigned
163 (61.7%) exact matches, in which:
160 unique CDR3
13 unique J



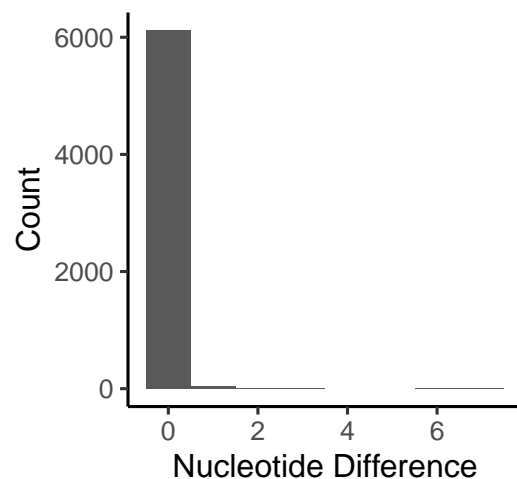
TRBV6-56*ap02

3265 sequences assigned
2853 (87.4%) exact matches, in which:
2777 unique CDR3
13 unique J



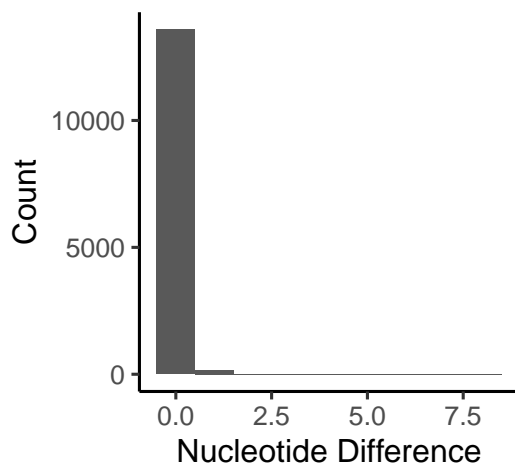
TRBV7-3*ap01

6173 sequences assigned
6117 (99.1%) exact matches, in which:
6042 unique CDR3
13 unique J



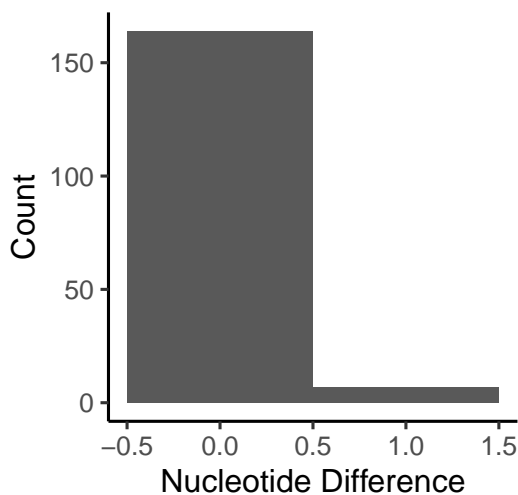
TRBV6-23*ap01

13773 sequences assigned
13586 (98.6%) exact matches, in which:
13247 unique CDR3
13 unique J



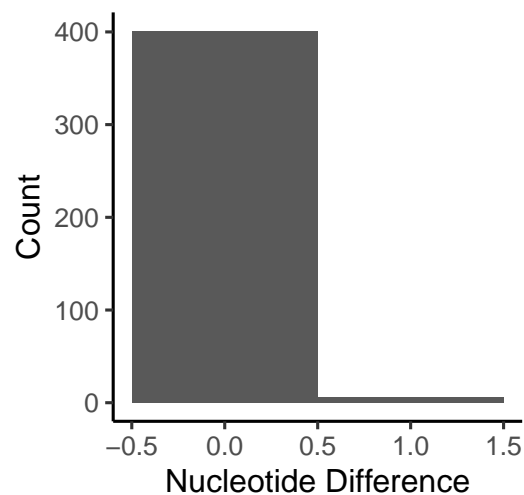
TRBV7-1*ap01_G291C_

171 sequences assigned
164 (95.9%) exact matches, in which:
162 unique CDR3
13 unique J



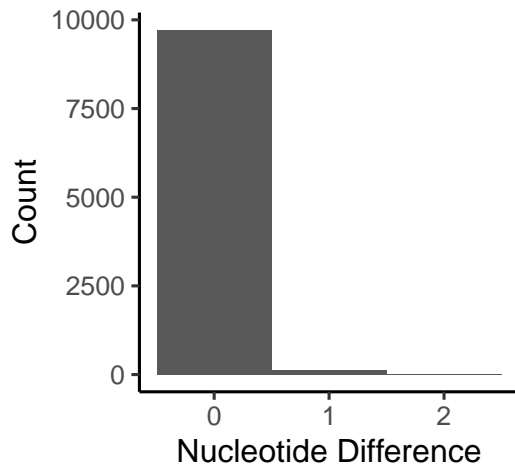
TRBV7-4*ap01

407 sequences assigned
401 (98.5%) exact matches, in which:
394 unique CDR3
13 unique J



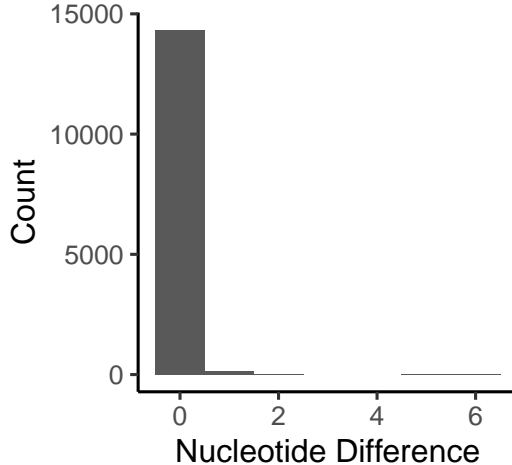
TRBV6-56*ap01

9851 sequences assigned
9720 (98.7%) exact matches, in which:
9468 unique CDR3
13 unique J



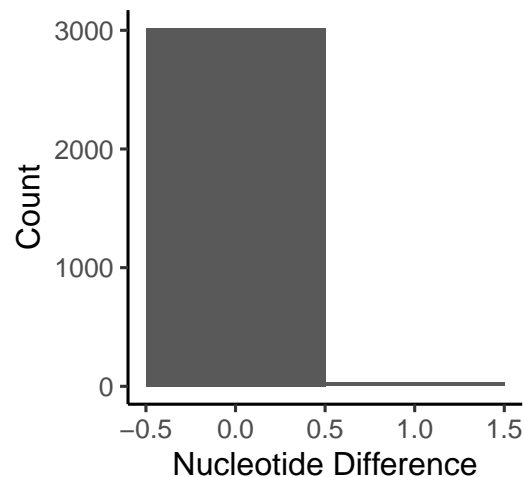
TRBV7-2*ap01

14478 sequences assigned
14337 (99%) exact matches, in which:
14127 unique CDR3
13 unique J



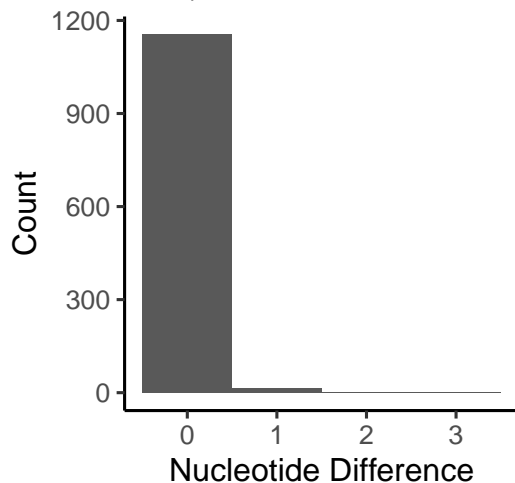
TRBV7-6*ap01

3051 sequences assigned
3019 (99%) exact matches, in which:
2955 unique CDR3
13 unique J



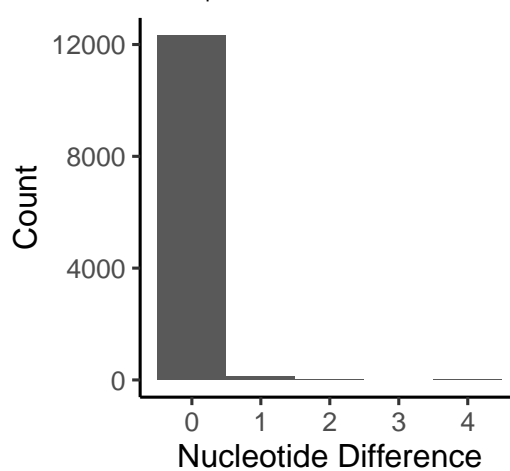
TRBV7-7*ap01_C315T

1174 sequences assigned
1155 (98.4%) exact matches, in which:
1133 unique CDR3
13 unique J



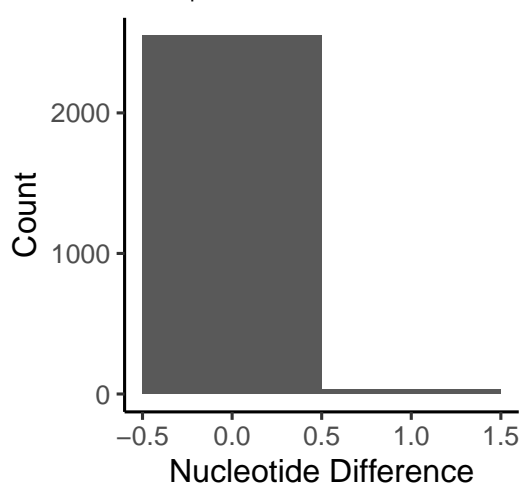
TRBV7-9*ap01

12450 sequences assigned
12335 (99.1%) exact matches, in which:
12131 unique CDR3
13 unique J



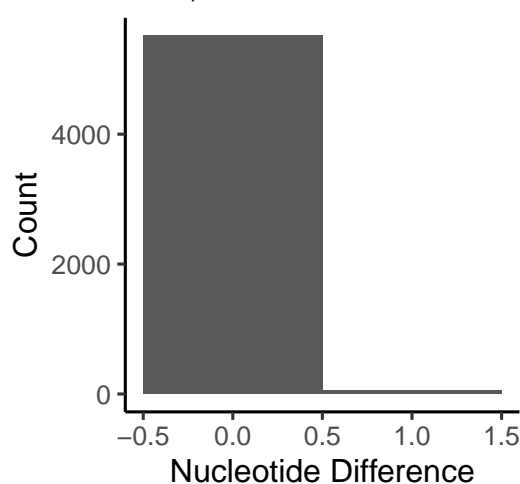
TRBV7-8*ap01

2583 sequences assigned
2549 (98.7%) exact matches, in which:
2491 unique CDR3
13 unique J



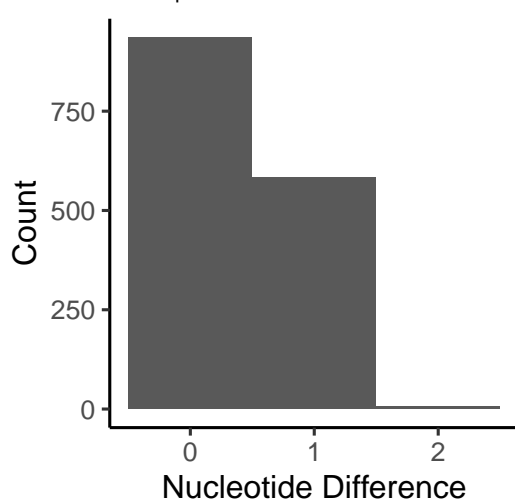
TRBV29-1*ap01

5577 sequences assigned
5516 (98.9%) exact matches, in which:
5398 unique CDR3
13 unique J



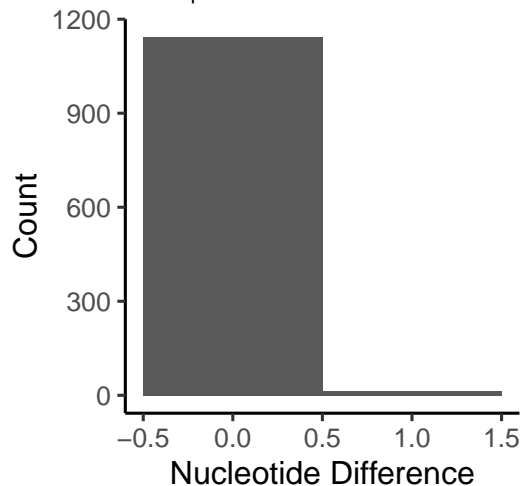
TRBV7-8*ap03

1527 sequences assigned
936 (61.3%) exact matches, in which:
913 unique CDR3
13 unique J

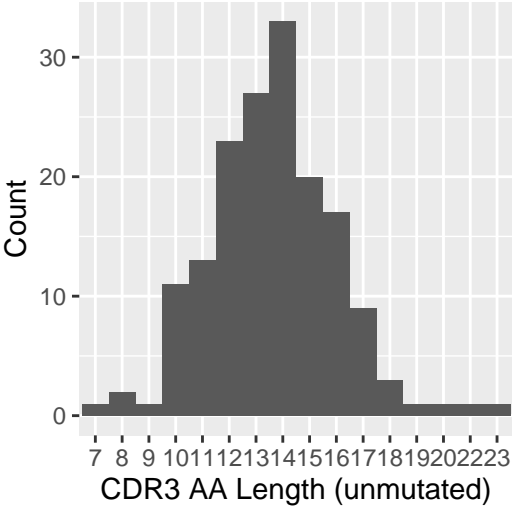


TRBV29-1*ap02

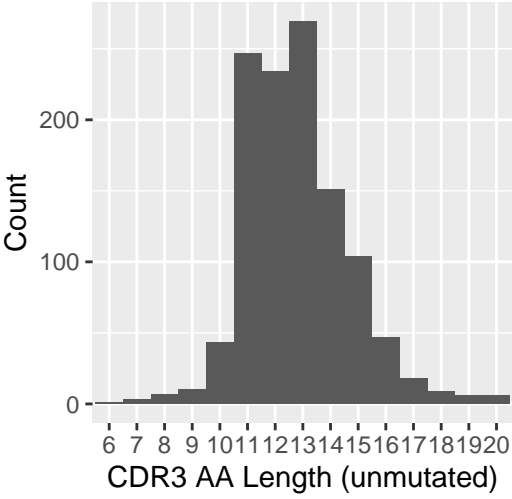
1157 sequences assigned
1143 (98.8%) exact matches, in which:
1121 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]