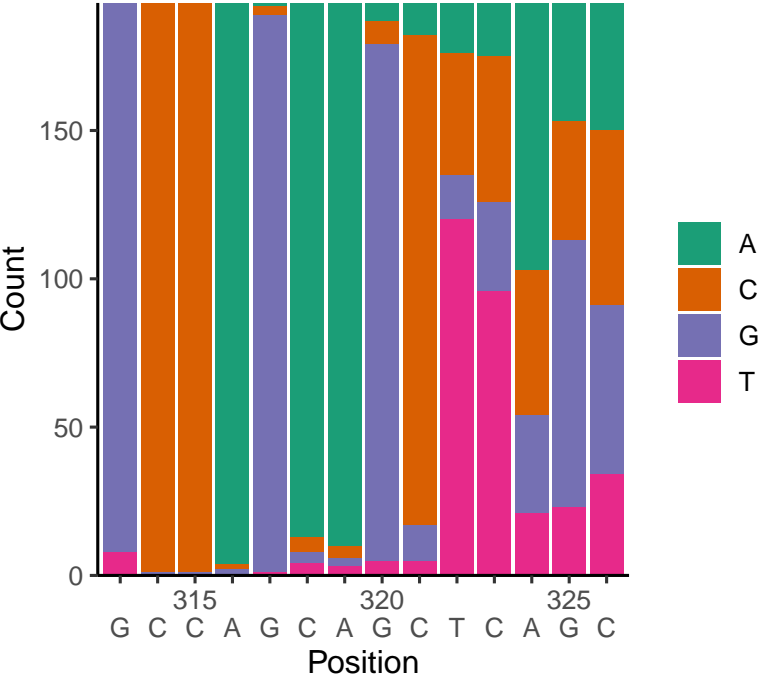


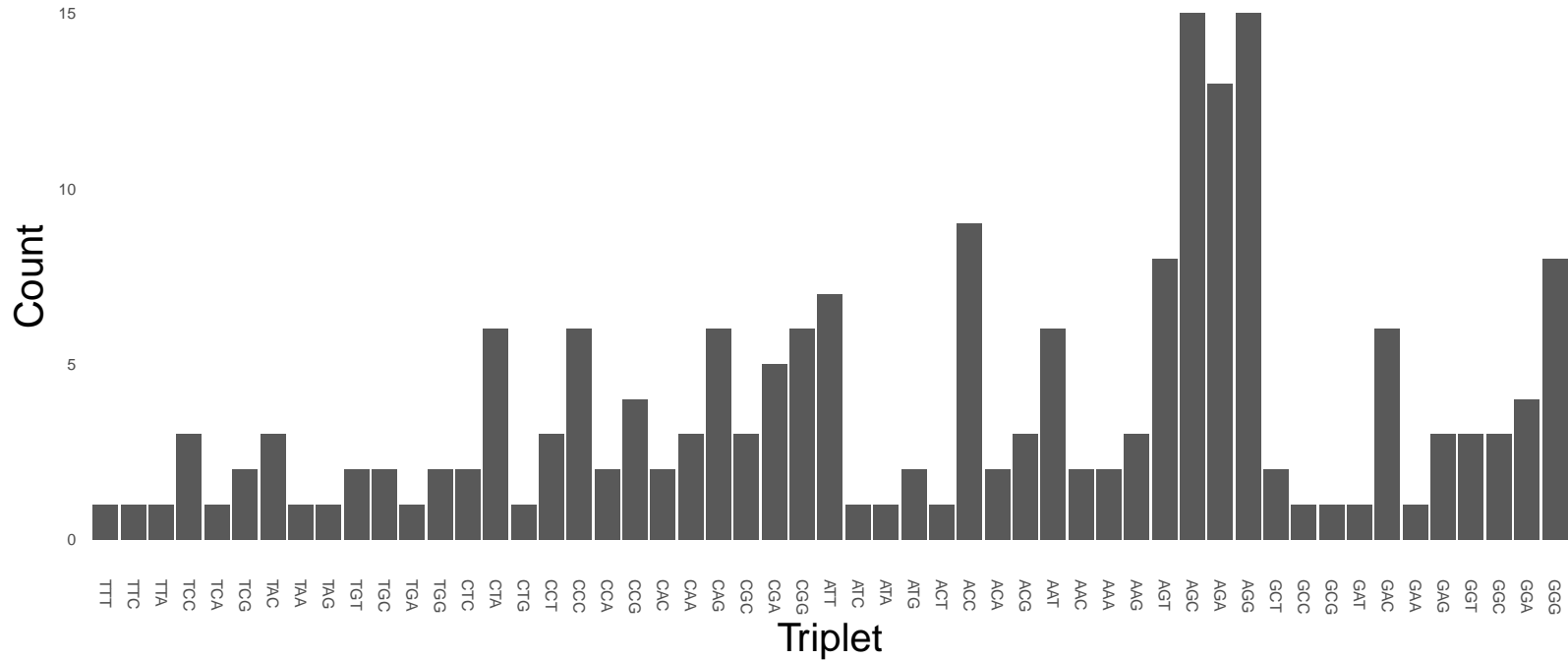
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C

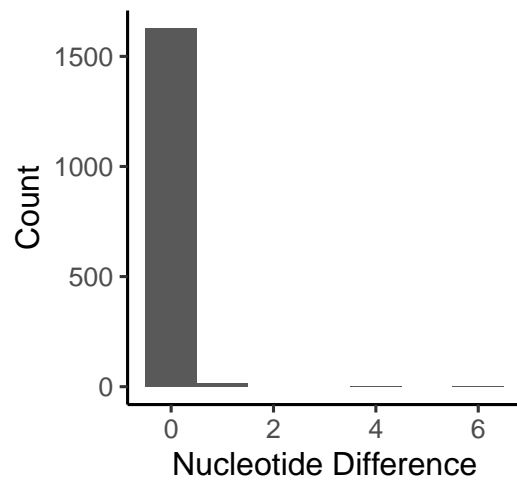


TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



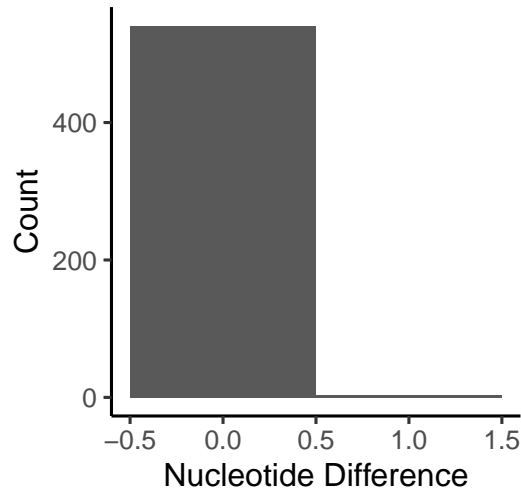
TRBV10-1*ap01

1649 sequences assigned
1627 (98.7%) exact matches, in which:
1583 unique CDR3
13 unique J



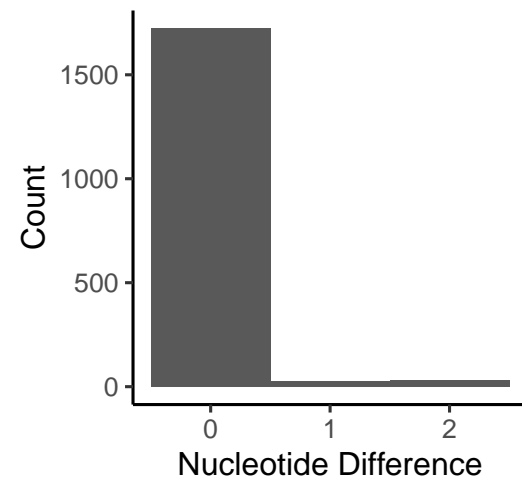
TRBV10-2*ap01

545 sequences assigned
541 (99.3%) exact matches, in which:
520 unique CDR3
13 unique J



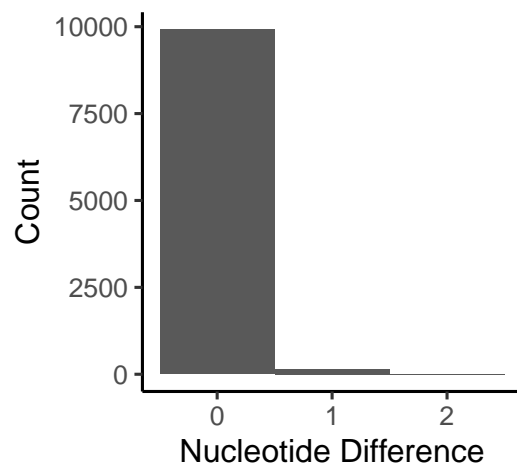
TRBV13*ap01

1782 sequences assigned
1723 (96.7%) exact matches, in which:
1682 unique CDR3
13 unique J



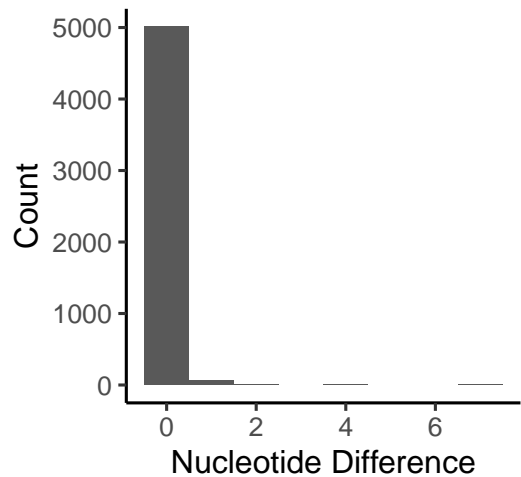
TRBV20-1*ap01

10067 sequences assigned
9920 (98.5%) exact matches, in which:
9708 unique CDR3
13 unique J



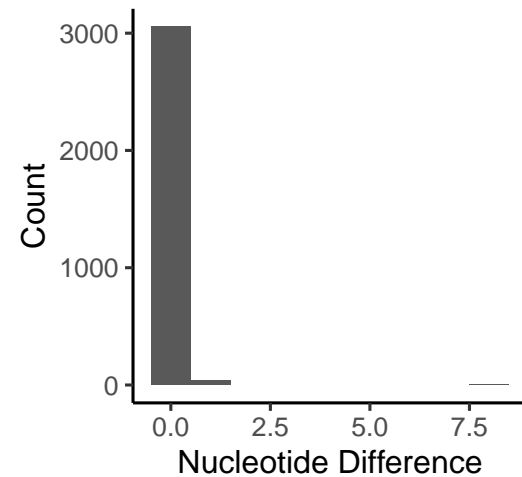
TRBV10-3*ap01

5078 sequences assigned
5011 (98.7%) exact matches, in which:
4893 unique CDR3
13 unique J



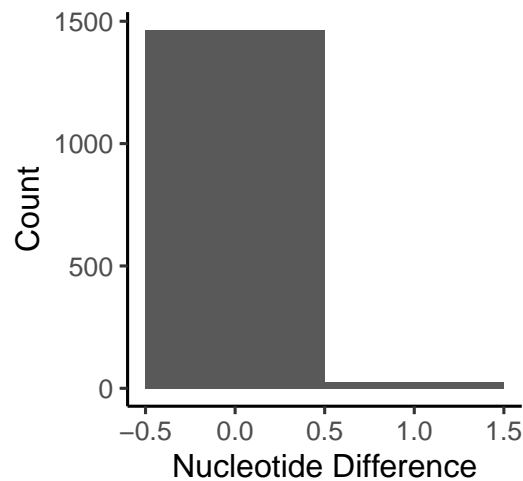
TRBV14*ap01

3095 sequences assigned
3055 (98.7%) exact matches, in which:
2989 unique CDR3
13 unique J



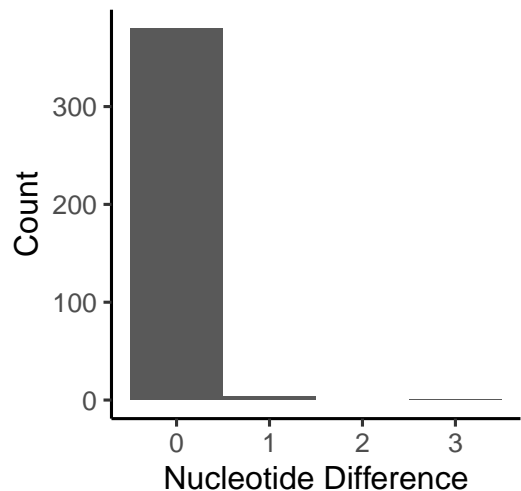
TRBV20-1*ap02

1490 sequences assigned
1464 (98.3%) exact matches, in which:
1427 unique CDR3
13 unique J



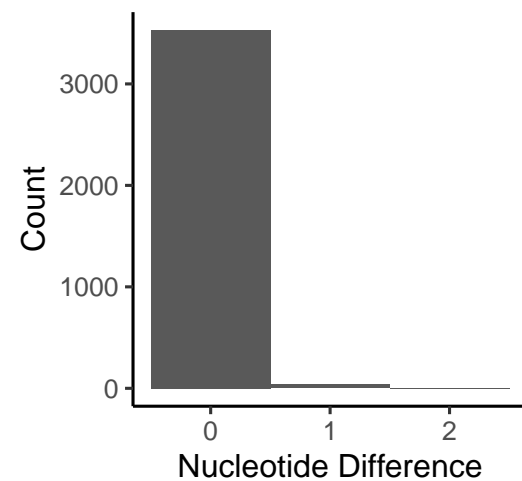
TRBV1*ap01

385 sequences assigned
380 (98.7%) exact matches, in which:
371 unique CDR3
13 unique J



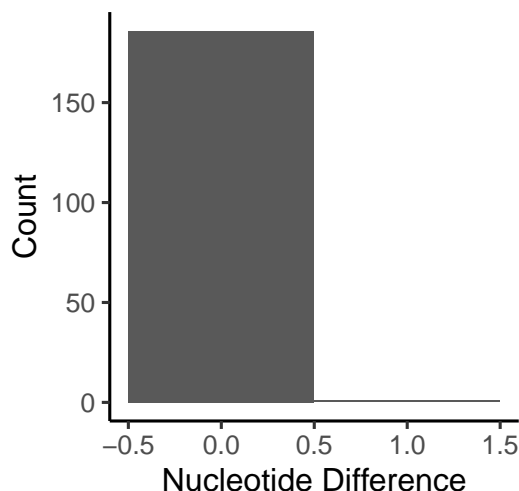
TRBV15*ap02

3569 sequences assigned
3531 (98.9%) exact matches, in which:
3442 unique CDR3
13 unique J



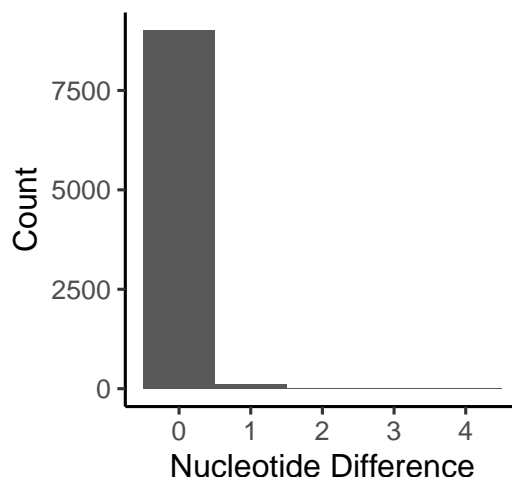
TRBV16*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
181 unique CDR3
13 unique J



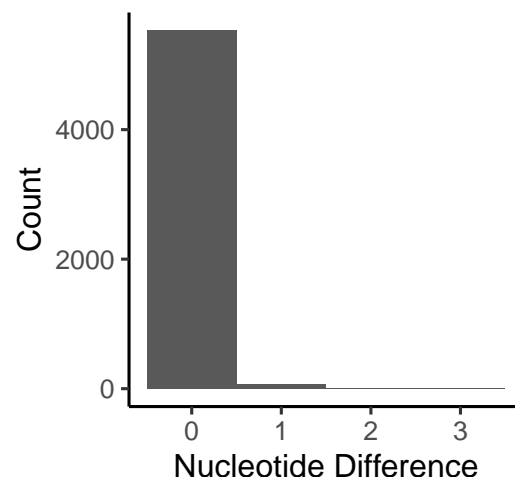
TRBV2*ap01

9130 sequences assigned
9010 (98.7%) exact matches, in which:
8816 unique CDR3
13 unique J



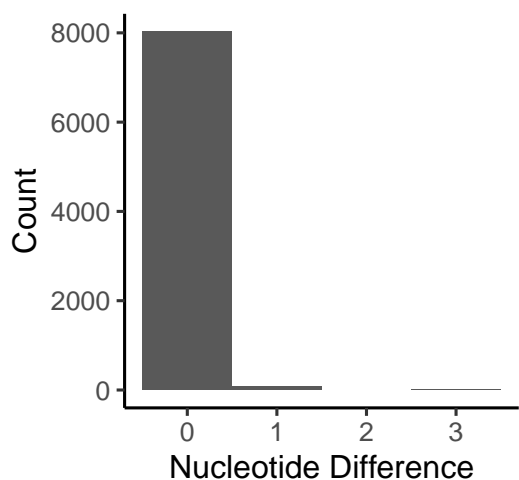
TRBV30*ap01

5616 sequences assigned
5532 (98.5%) exact matches, in which:
5459 unique CDR3
13 unique J



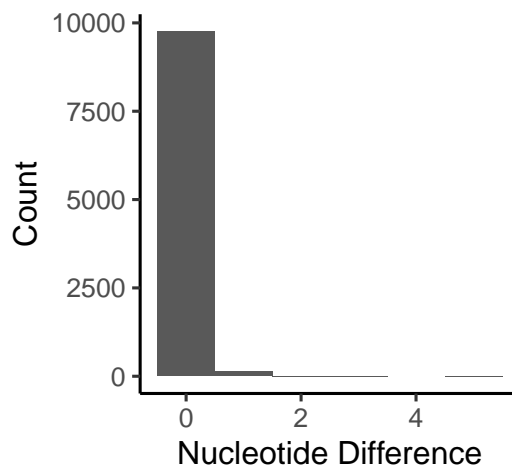
TRBV18*ap01

8094 sequences assigned
8025 (99.1%) exact matches, in which:
7874 unique CDR3
13 unique J



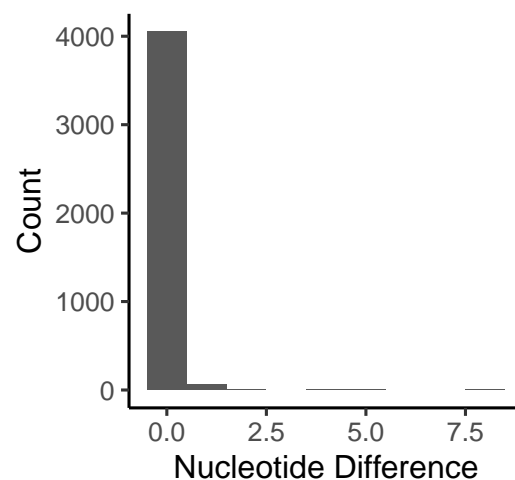
TRBV27*ap01

9892 sequences assigned
9757 (98.6%) exact matches, in which:
9488 unique CDR3
13 unique J



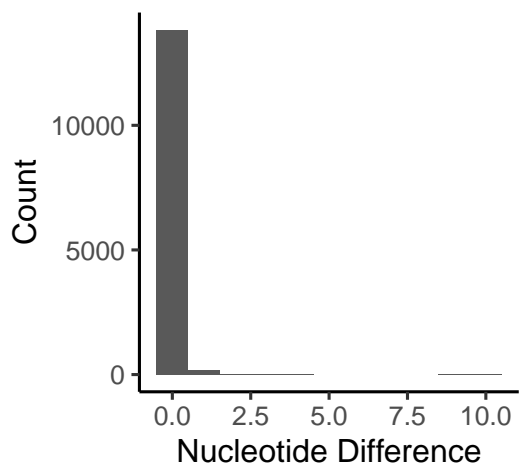
TRBV30*ap02

4121 sequences assigned
4051 (98.3%) exact matches, in which:
3993 unique CDR3
13 unique J



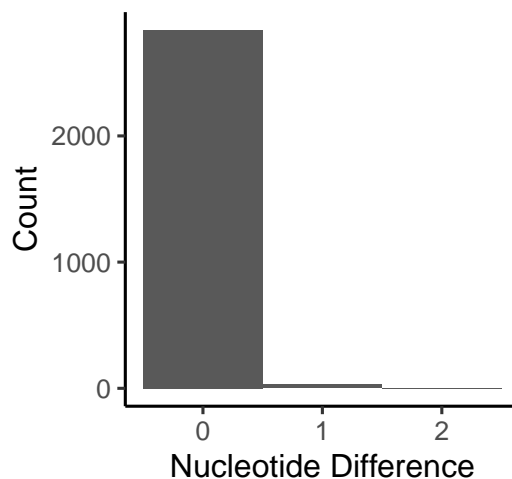
TRBV19*ap01

14014 sequences assigned
13832 (98.7%) exact matches, in which:
13632 unique CDR3
13 unique J



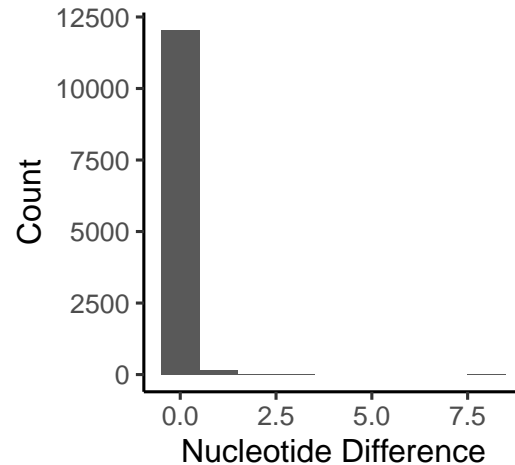
TRBV28*ap01

2870 sequences assigned
2839 (98.9%) exact matches, in which:
2770 unique CDR3
13 unique J



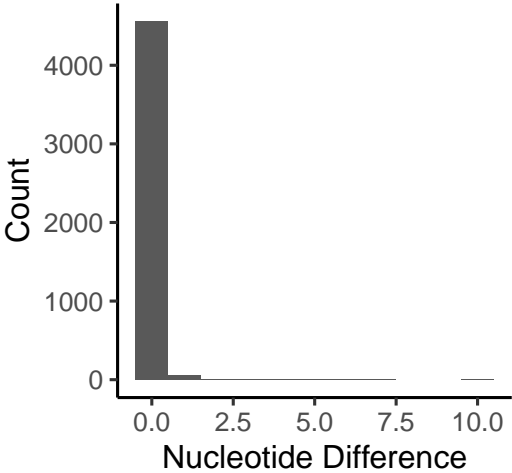
TRBV9*ap01

12196 sequences assigned
12052 (98.8%) exact matches, in which:
11767 unique CDR3
13 unique J



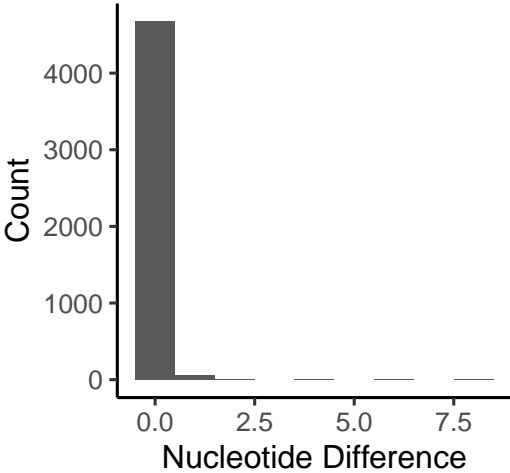
TRBV21-1*ap01

4631 sequences assigned
4558 (98.4%) exact matches, in which:
4464 unique CDR3
13 unique J



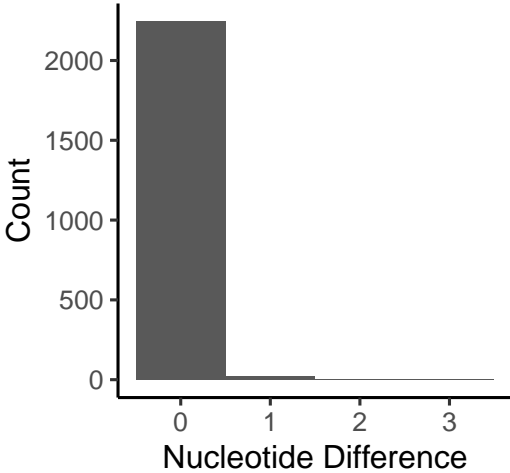
TRBV11-3*ap01

4742 sequences assigned
4675 (98.6%) exact matches, in which:
4574 unique CDR3
13 unique J



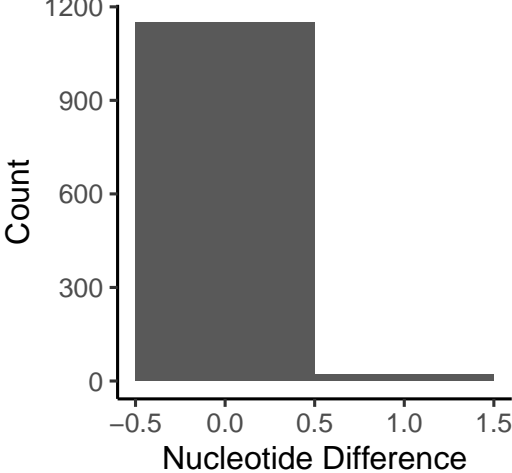
TRBV12-5*ap01

2272 sequences assigned
2245 (98.8%) exact matches, in which:
2187 unique CDR3
13 unique J



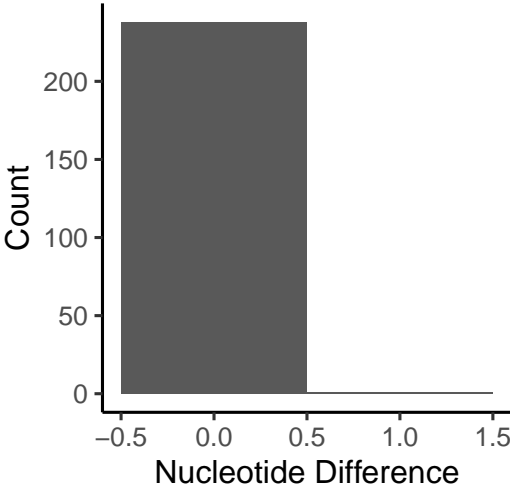
TRBV11-1*ap01

1171 sequences assigned
1149 (98.1%) exact matches, in which:
1118 unique CDR3
13 unique J



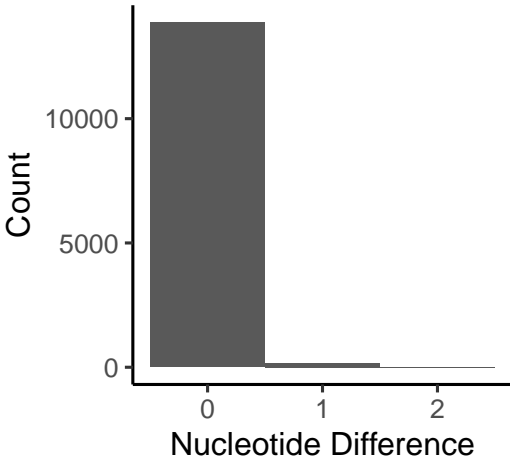
TRBV12-1*ap01

239 sequences assigned
238 (99.6%) exact matches, in which:
228 unique CDR3
13 unique J



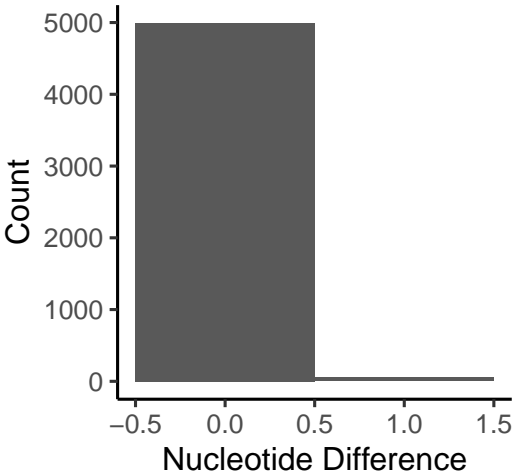
TRBV12-34*ap01

14040 sequences assigned
13870 (98.8%) exact matches, in which:
13574 unique CDR3
13 unique J



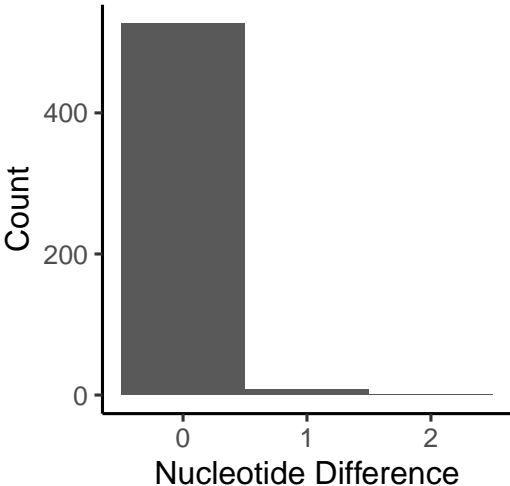
TRBV11-2*ap01

5045 sequences assigned
4993 (99%) exact matches, in which:
4858 unique CDR3
13 unique J



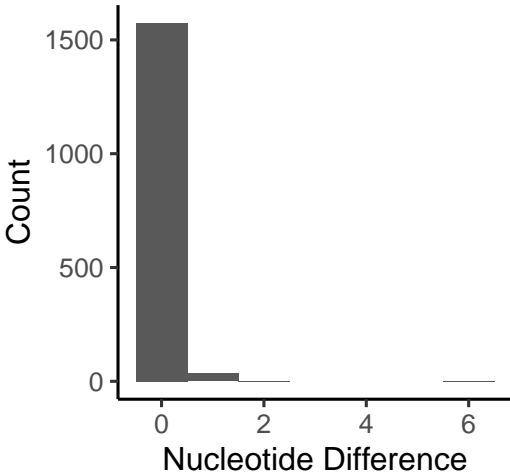
TRBV12-2*ap01

536 sequences assigned
527 (98.3%) exact matches, in which:
516 unique CDR3
13 unique J



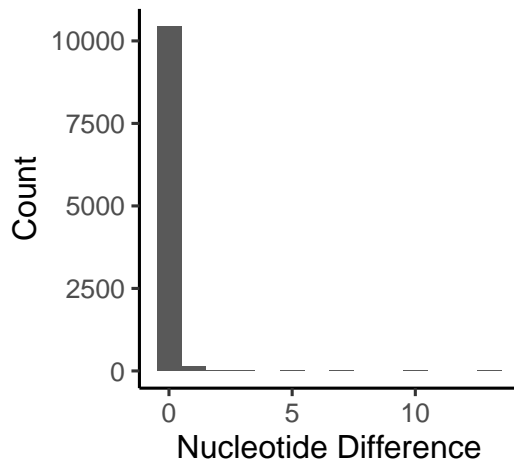
TRBV23-1*ap01

1610 sequences assigned
1574 (97.8%) exact matches, in which:
1547 unique CDR3
13 unique J



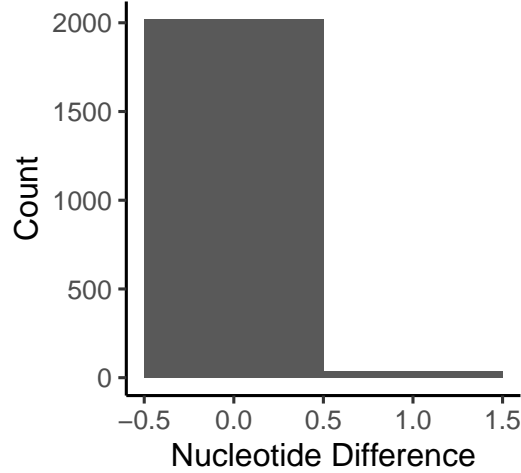
TRBV3-12*ap01

10583 sequences assigned
10447 (98.7%) exact matches, in which:
10233 unique CDR3
13 unique J



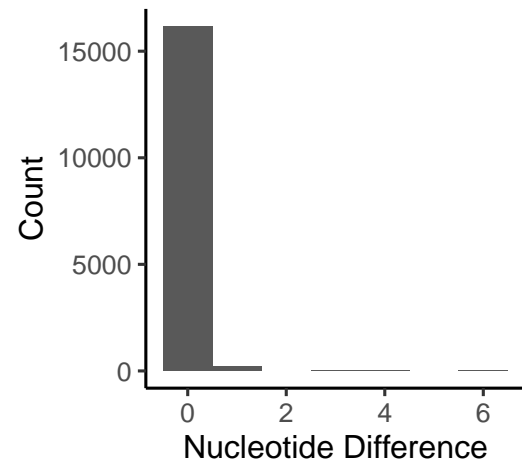
TRBV4-2*ap01

2053 sequences assigned
2019 (98.3%) exact matches, in which:
1969 unique CDR3
13 unique J



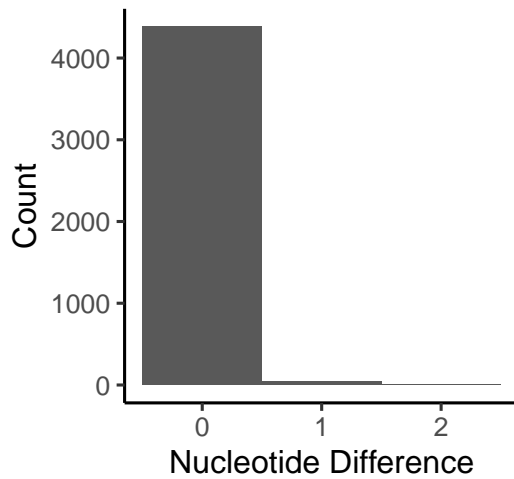
TRBV5-1*ap01

16373 sequences assigned
16175 (98.8%) exact matches, in which:
15758 unique CDR3
13 unique J



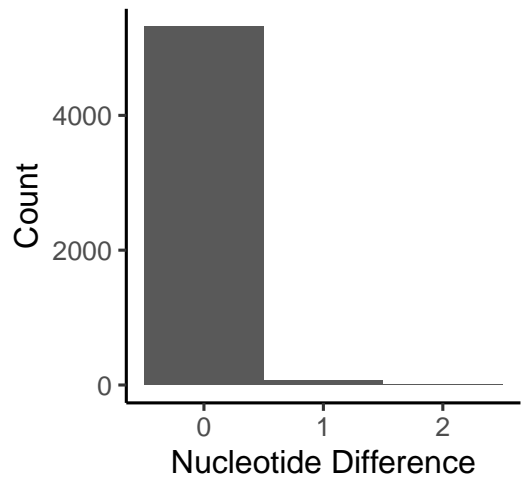
TRBV4-1*ap01

4423 sequences assigned
4383 (99.1%) exact matches, in which:
4294 unique CDR3
13 unique J



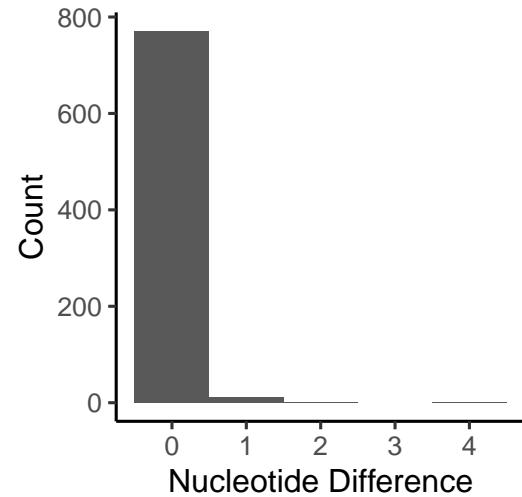
TRBV4-3*ap01

5377 sequences assigned
5315 (98.8%) exact matches, in which:
5195 unique CDR3
13 unique J



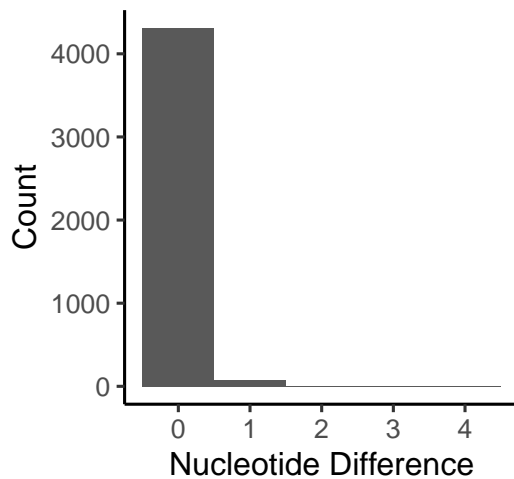
TRBV5-3*ap01

786 sequences assigned
771 (98.1%) exact matches, in which:
763 unique CDR3
13 unique J



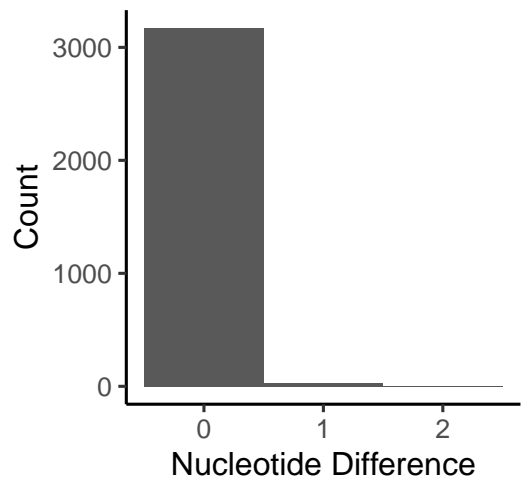
TRBV24-1*ap01

4394 sequences assigned
4310 (98.1%) exact matches, in which:
4214 unique CDR3
13 unique J



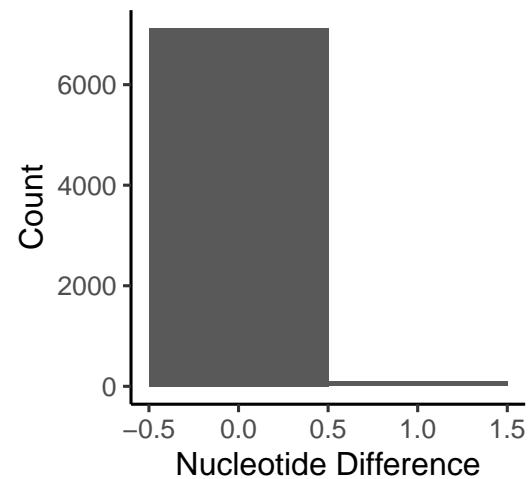
TRBV25-1*ap01

3203 sequences assigned
3171 (99%) exact matches, in which:
3115 unique CDR3
13 unique J



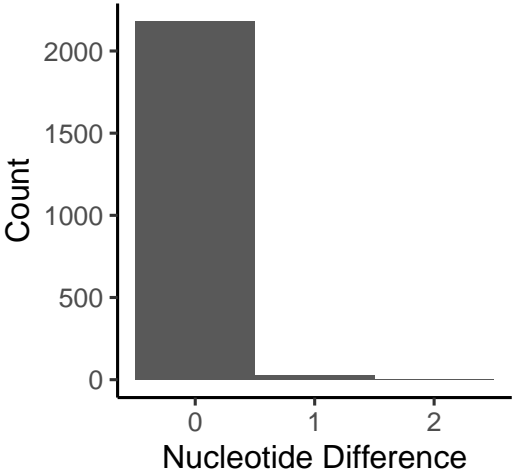
TRBV5-4*ap01

7224 sequences assigned
7126 (98.6%) exact matches, in which:
6980 unique CDR3
13 unique J



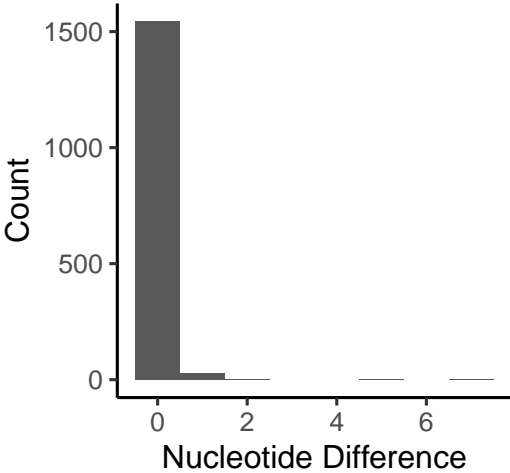
TRBV5-5*ap01

2210 sequences assigned
2180 (98.6%) exact matches, in which:
2150 unique CDR3
13 unique J



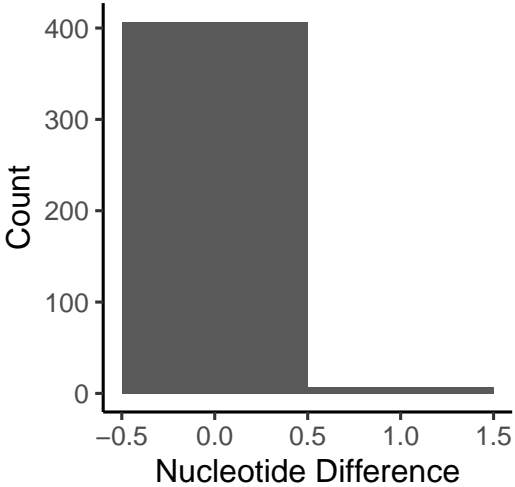
TRBV5-8*ap01

1576 sequences assigned
1544 (98%) exact matches, in which:
1510 unique CDR3
13 unique J



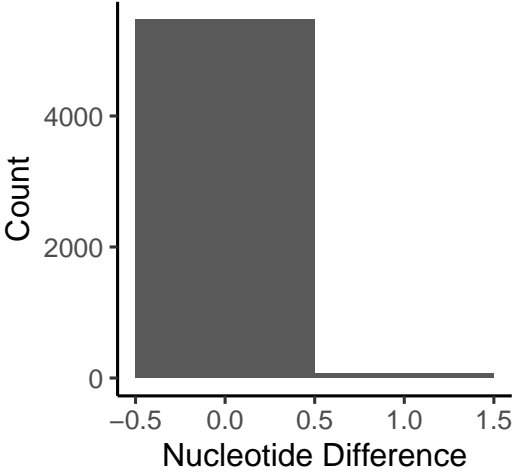
TRBV6-7*ap01

414 sequences assigned
407 (98.3%) exact matches, in which:
394 unique CDR3
13 unique J



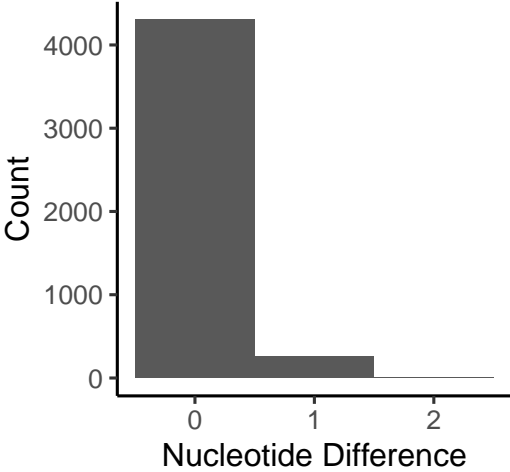
TRBV5-6*ap01

5543 sequences assigned
5469 (98.7%) exact matches, in which:
5353 unique CDR3
13 unique J



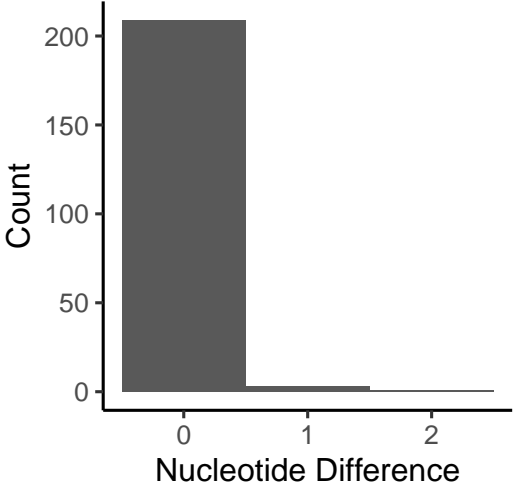
TRBV6-1*ap01

4562 sequences assigned
4303 (94.3%) exact matches, in which:
4200 unique CDR3
13 unique J



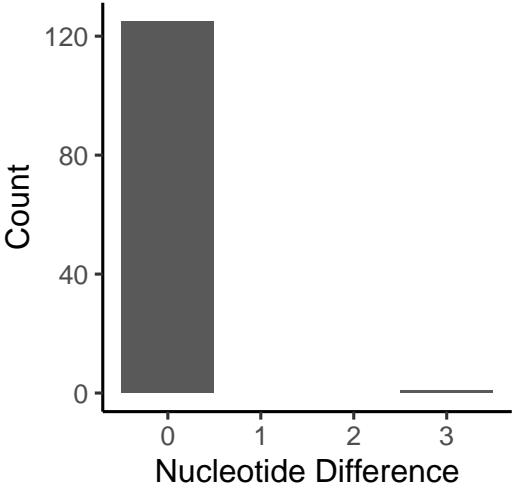
TRBV6-8*ap01

213 sequences assigned
209 (98.1%) exact matches, in which:
203 unique CDR3
13 unique J



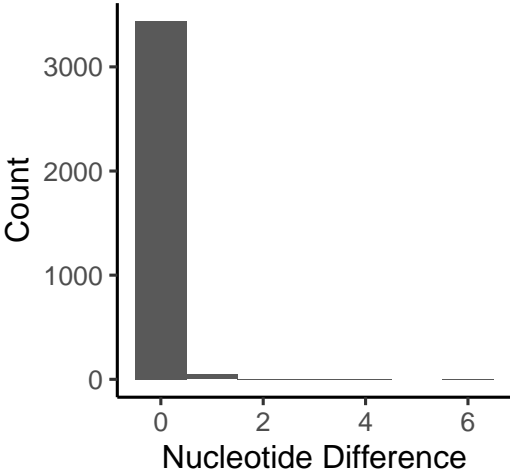
TRBV5-7*ap01

126 sequences assigned
125 (99.2%) exact matches, in which:
124 unique CDR3
13 unique J



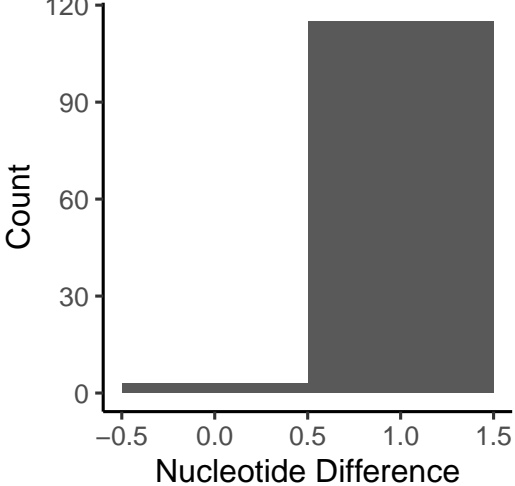
TRBV6-4*ap01

3497 sequences assigned
3440 (98.4%) exact matches, in which:
3381 unique CDR3
13 unique J



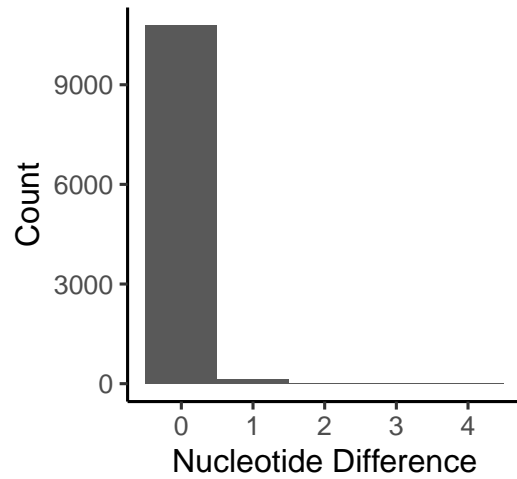
TRBV6-9*ap01

118 sequences assigned
3 (2.5%) exact matches, in which:
3 unique CDR3
2 unique J



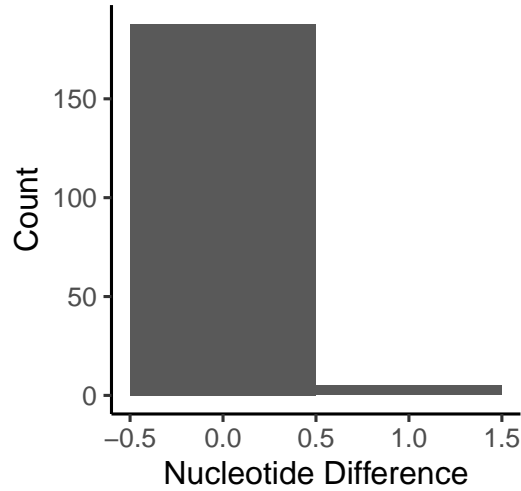
TRBV6-23*ap01

10921 sequences assigned
10786 (98.8%) exact matches, in which:
10552 unique CDR3
13 unique J



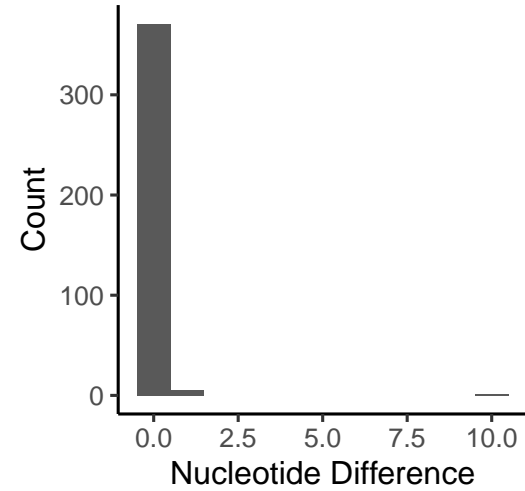
TRBV7-1*ap01_G291C_

193 sequences assigned
188 (97.4%) exact matches, in which:
183 unique CDR3
13 unique J



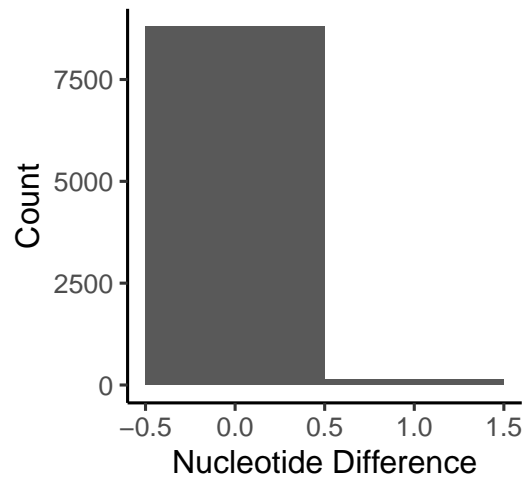
TRBV7-4*ap01

377 sequences assigned
371 (98.4%) exact matches, in which:
364 unique CDR3
13 unique J



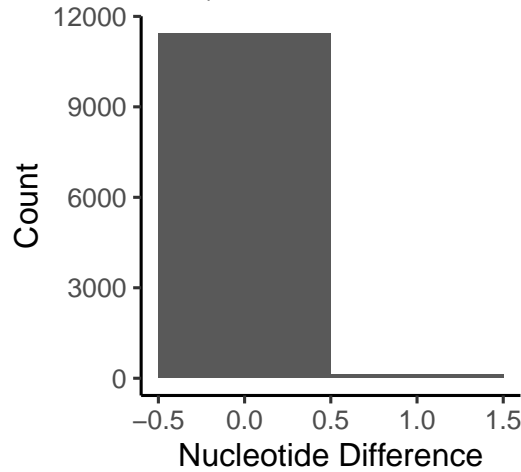
TRBV6-56*ap01

8922 sequences assigned
8796 (98.6%) exact matches, in which:
8561 unique CDR3
13 unique J



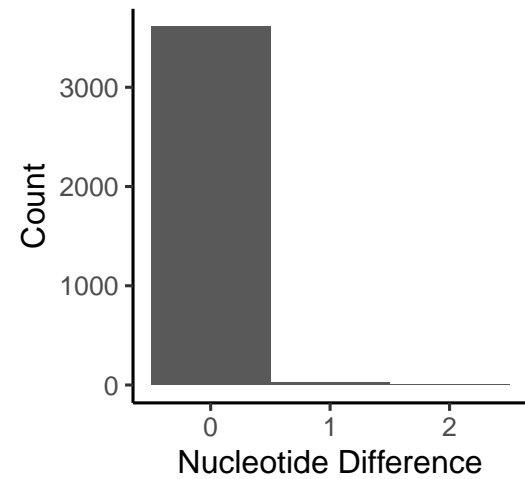
TRBV7-2*ap01

11557 sequences assigned
11433 (98.9%) exact matches, in which:
11135 unique CDR3
13 unique J



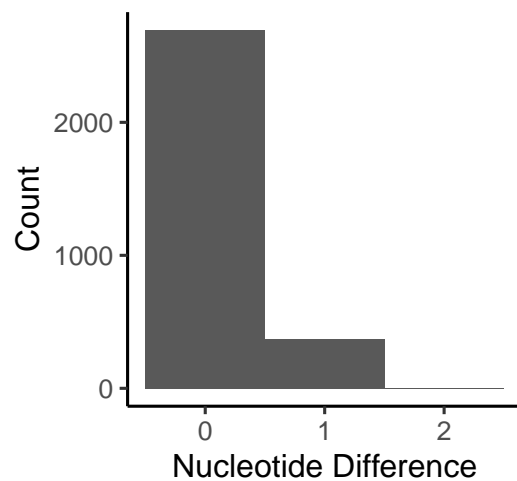
TRBV7-6*ap01

3641 sequences assigned
3610 (99.1%) exact matches, in which:
3528 unique CDR3
13 unique J



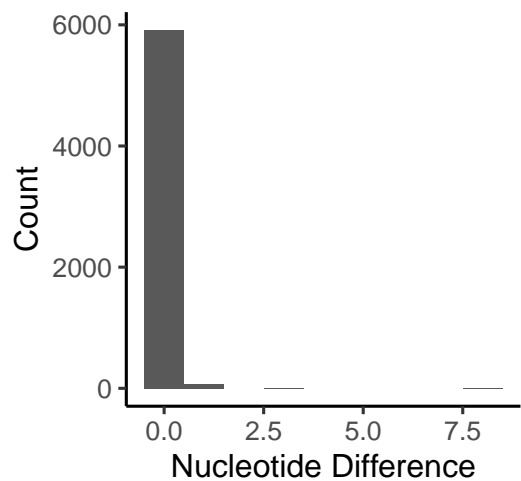
TRBV6-56*ap02

3070 sequences assigned
2694 (87.8%) exact matches, in which:
2641 unique CDR3
13 unique J



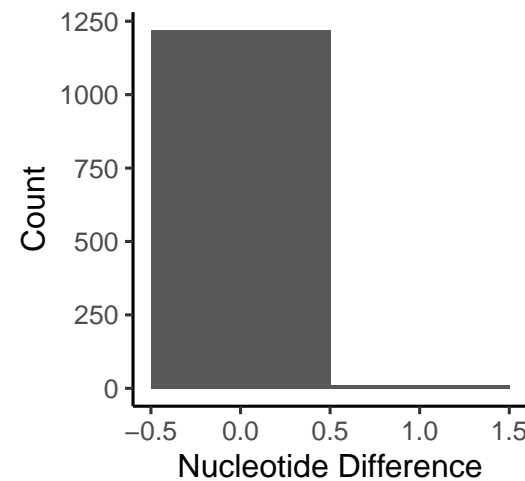
TRBV7-3*ap01

5985 sequences assigned
5914 (98.8%) exact matches, in which:
5814 unique CDR3
13 unique J



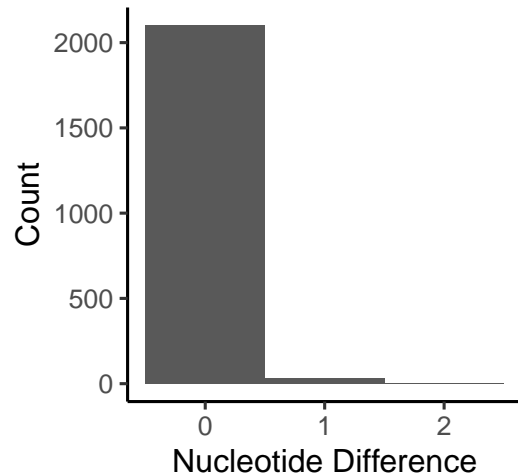
TRBV7-7*ap01

1231 sequences assigned
1220 (99.1%) exact matches, in which:
1195 unique CDR3
13 unique J



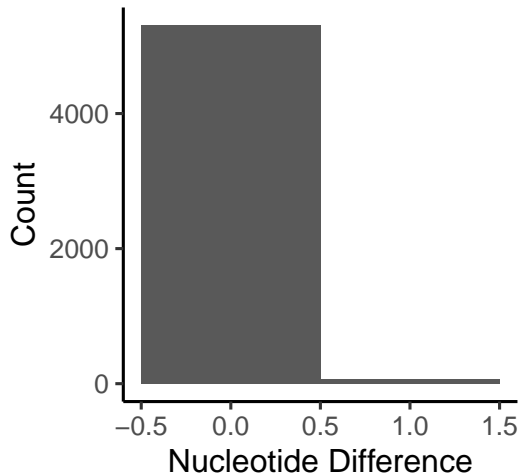
TRBV7-8*ap01

2133 sequences assigned
2101 (98.5%) exact matches, in which:
2049 unique CDR3
13 unique J



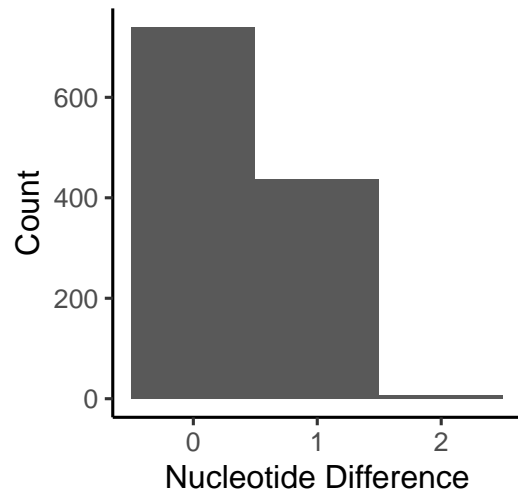
TRBV29-1*ap01

5376 sequences assigned
5305 (98.7%) exact matches, in which:
5216 unique CDR3
13 unique J



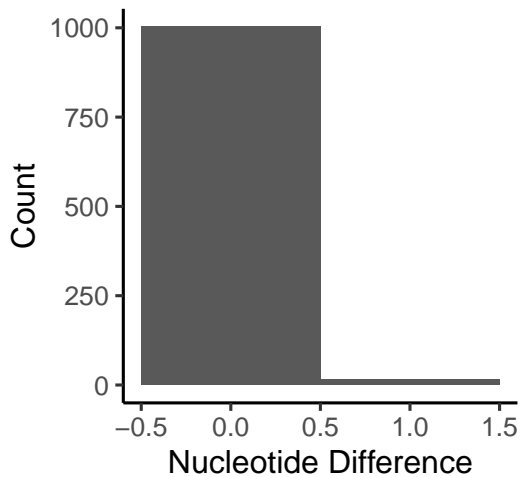
TRBV7-8*ap03

1184 sequences assigned
740 (62.5%) exact matches, in which:
716 unique CDR3
13 unique J



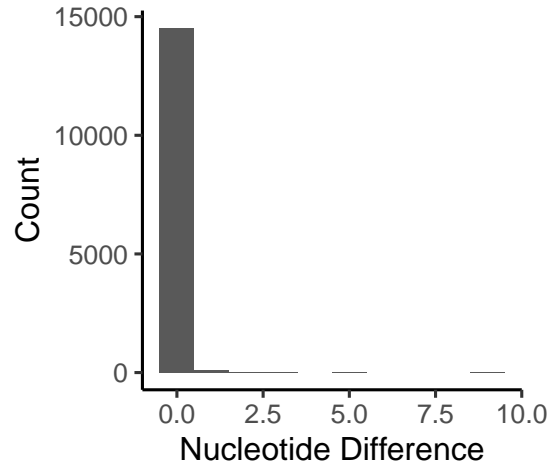
TRBV29-1*ap02

1017 sequences assigned
1003 (98.6%) exact matches, in which:
985 unique CDR3
13 unique J

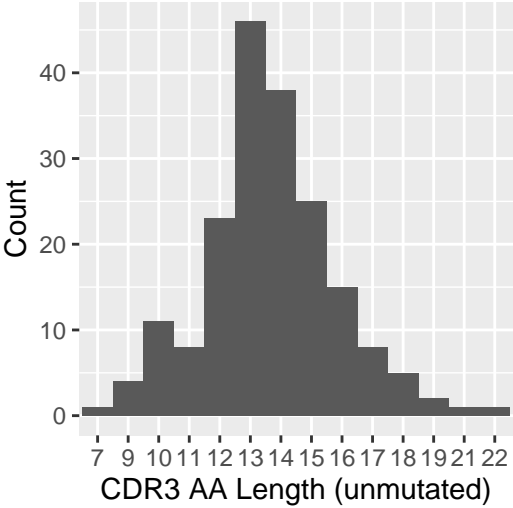


TRBV7-9*ap01

14658 sequences assigned
14530 (99.1%) exact matches, in which:
14308 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C





[illegible]