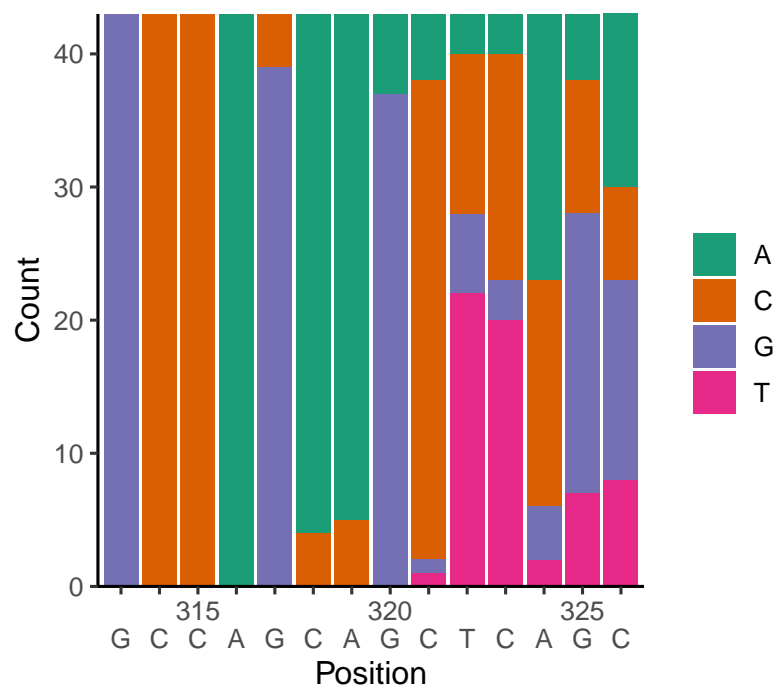
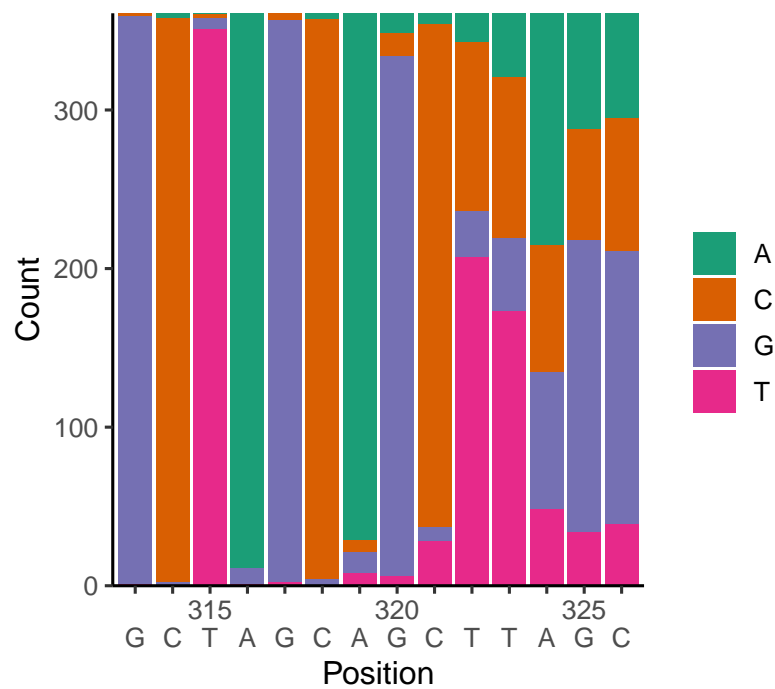


Gene TRBV7-1*ap01_G291C_T296C



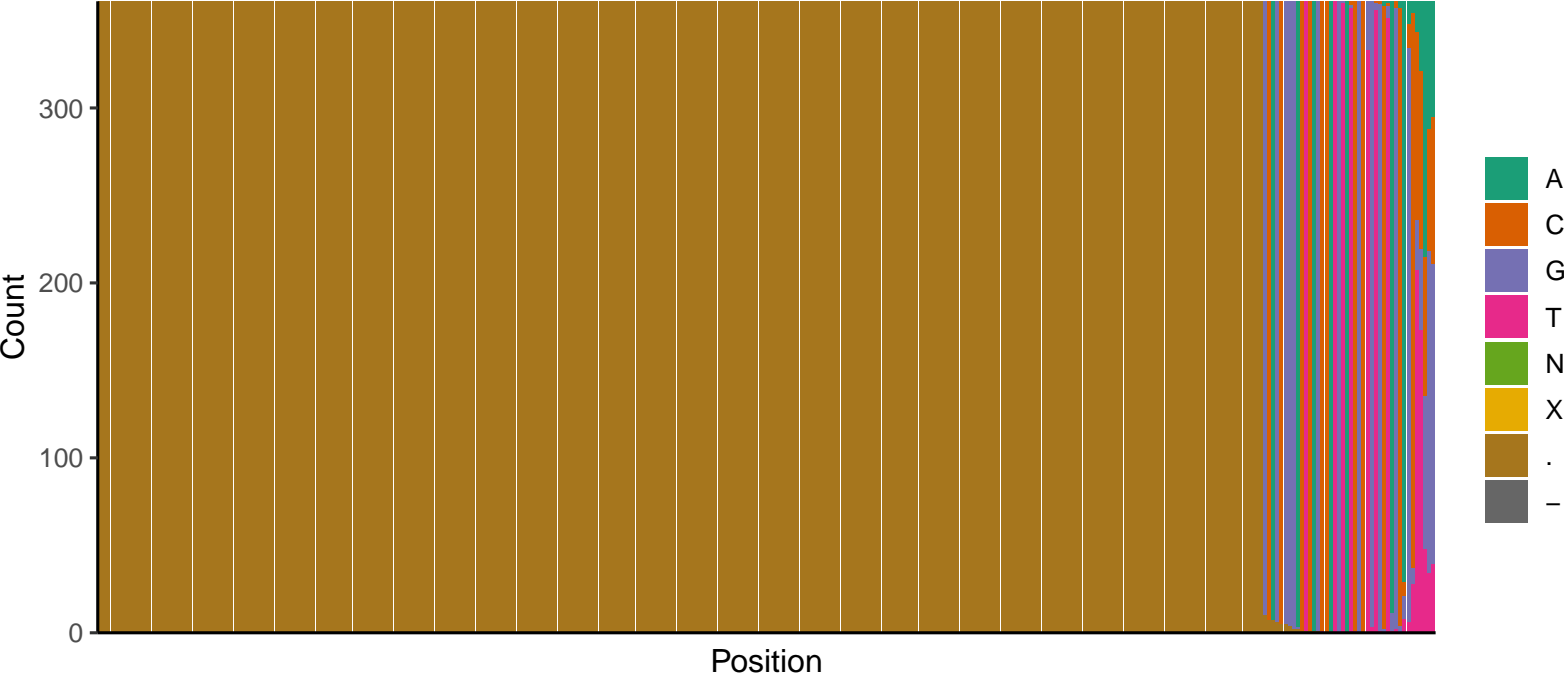
Gene TRBV7-7*ap01_C315T



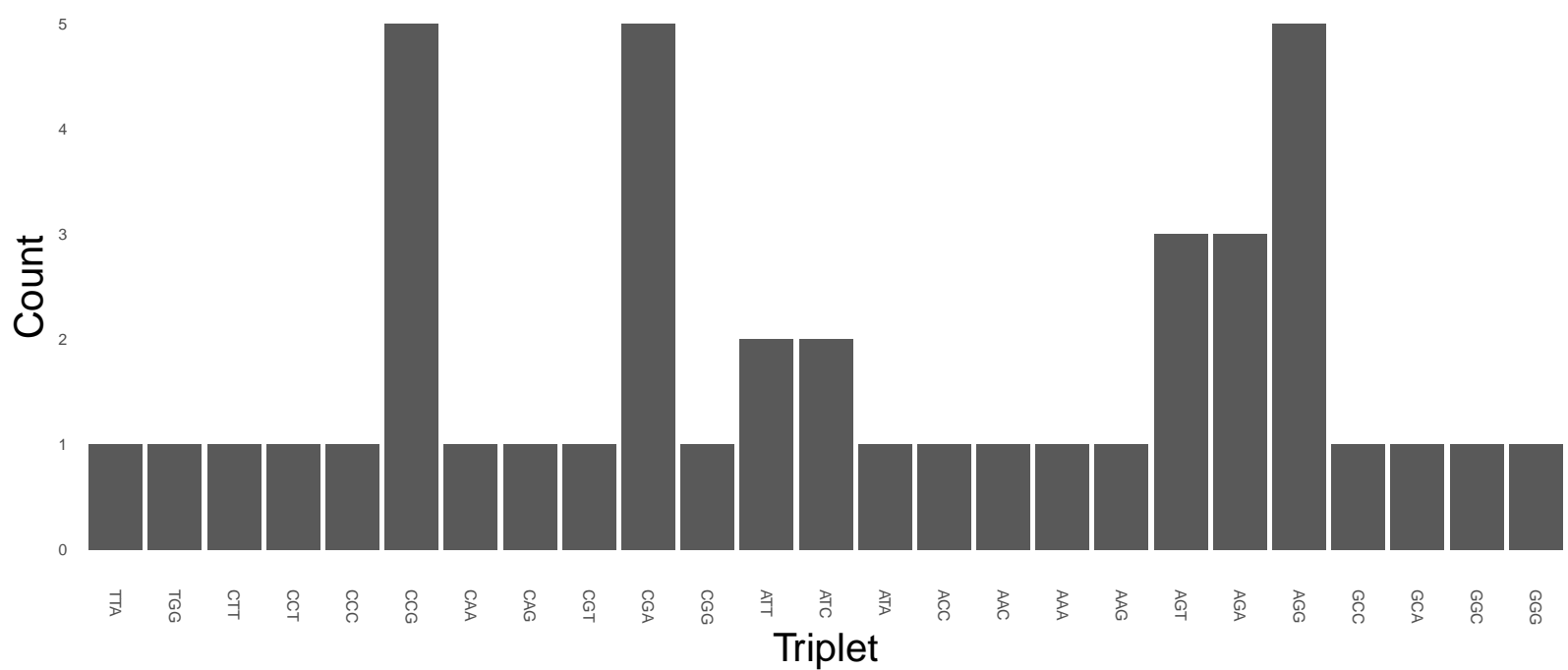
Gene TRBV7-1*ap01_G291C_T296C



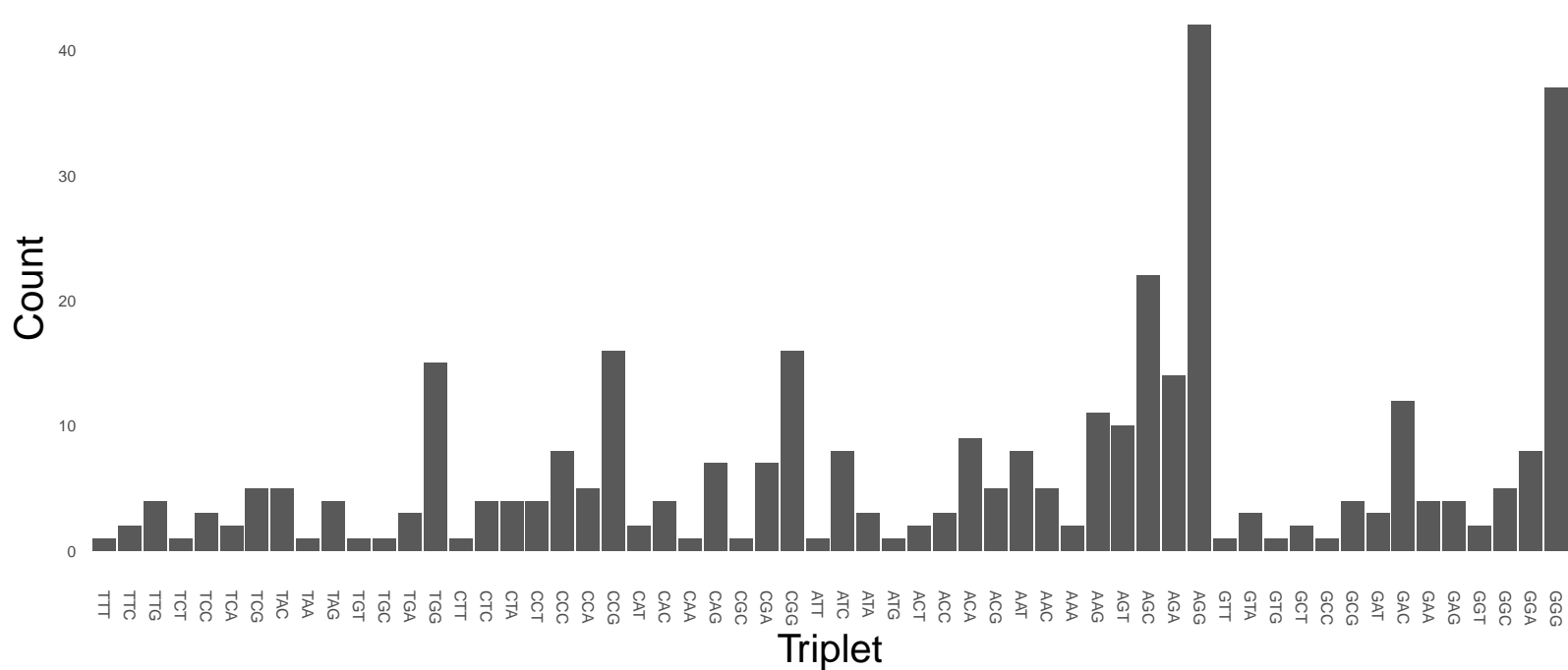
Gene TRBV7-7*ap01_C315T



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

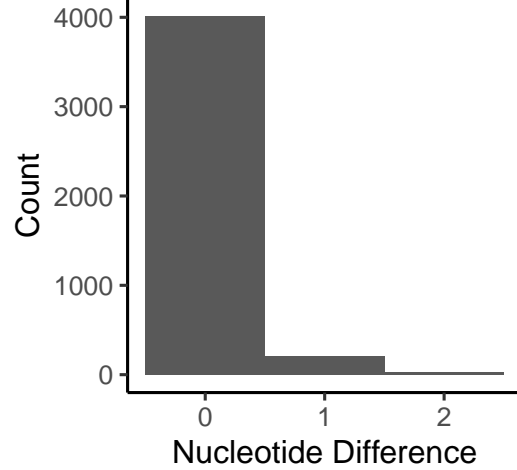


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



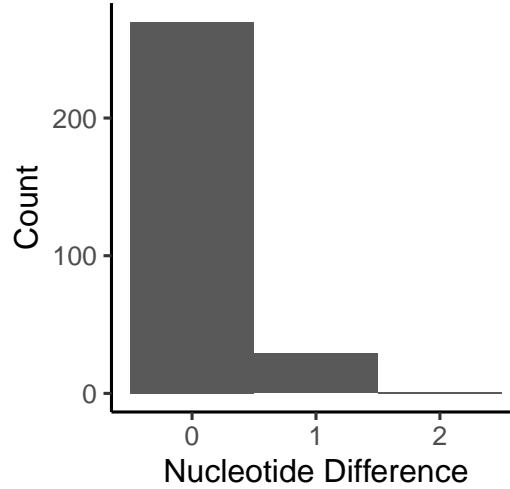
TRBV20-1*ap01

4247 sequences assigned
4010 (94.4%) exact matches, in which:
3802 unique CDR3
13 unique J



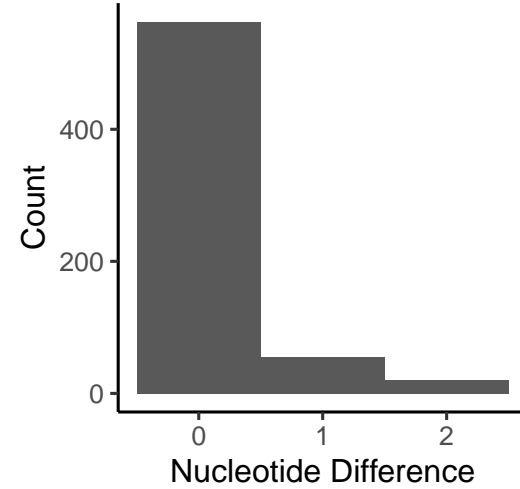
TRBV10-2*ap01

300 sequences assigned
270 (90%) exact matches, in which:
251 unique CDR3
12 unique J



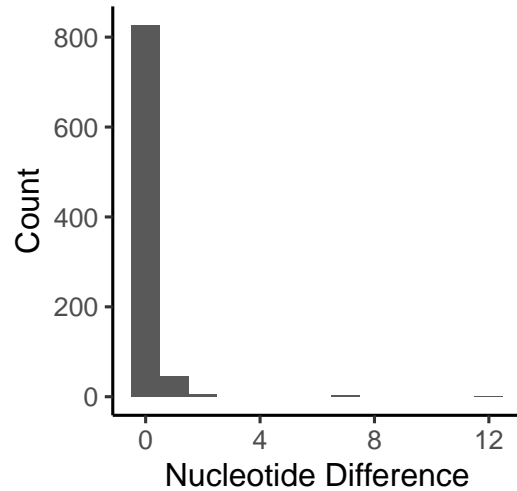
TRBV13*ap01

638 sequences assigned
563 (88.2%) exact matches, in which:
533 unique CDR3
13 unique J



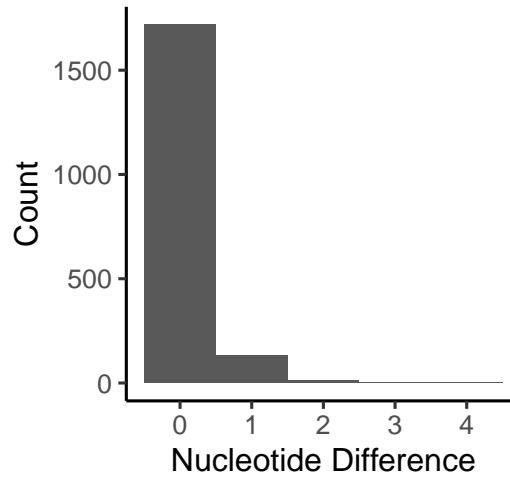
TRBV10-1*ap01

882 sequences assigned
827 (93.8%) exact matches, in which:
771 unique CDR3
13 unique J



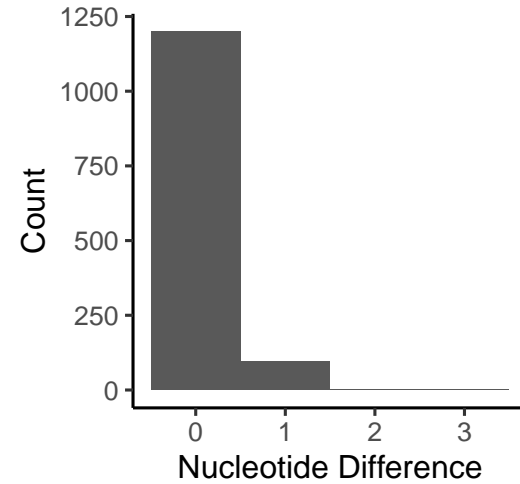
TRBV10-3*ap01

1866 sequences assigned
1718 (92.1%) exact matches, in which:
1625 unique CDR3
13 unique J



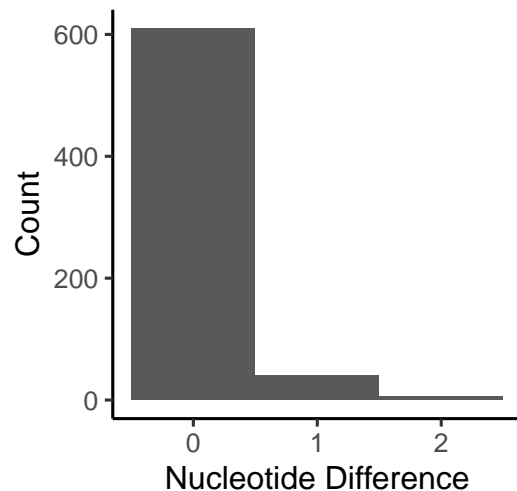
TRBV14*ap01

1300 sequences assigned
1199 (92.2%) exact matches, in which:
1146 unique CDR3
13 unique J



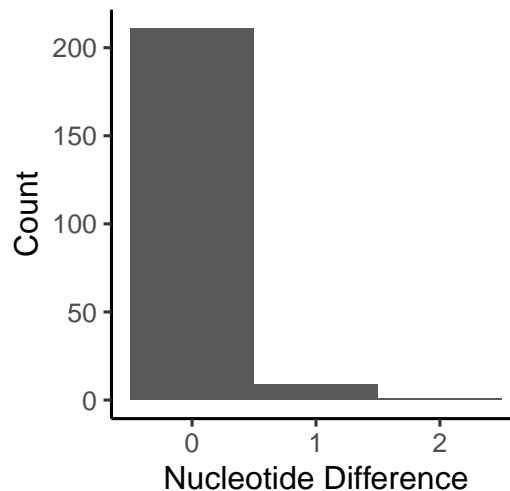
TRBV20-1*ap02

657 sequences assigned
610 (92.8%) exact matches, in which:
575 unique CDR3
13 unique J



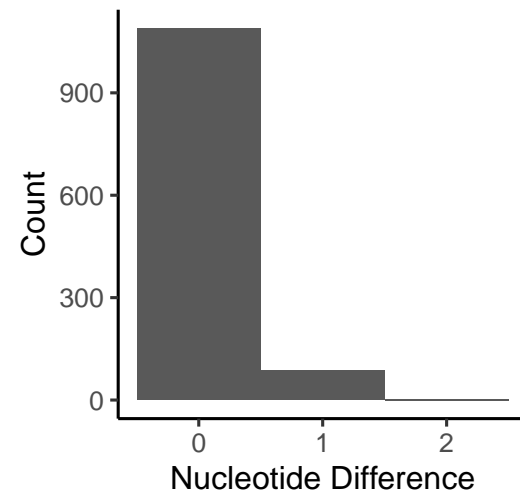
TRBV1*ap01

221 sequences assigned
211 (95.5%) exact matches, in which:
210 unique CDR3
13 unique J



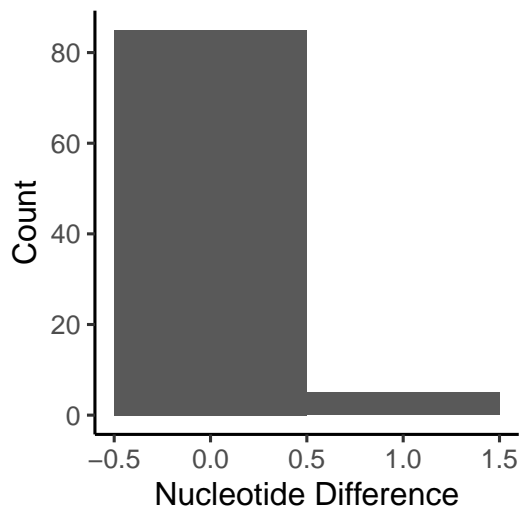
TRBV15*ap02

1178 sequences assigned
1089 (92.4%) exact matches, in which:
1048 unique CDR3
13 unique J



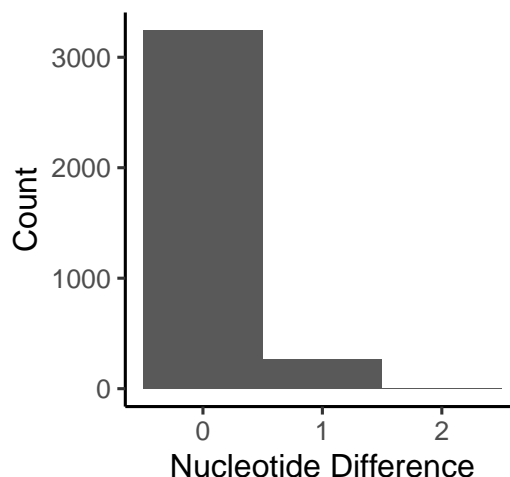
TRBV16*ap01

90 sequences assigned
85 (94.4%) exact matches, in which:
78 unique CDR3
12 unique J



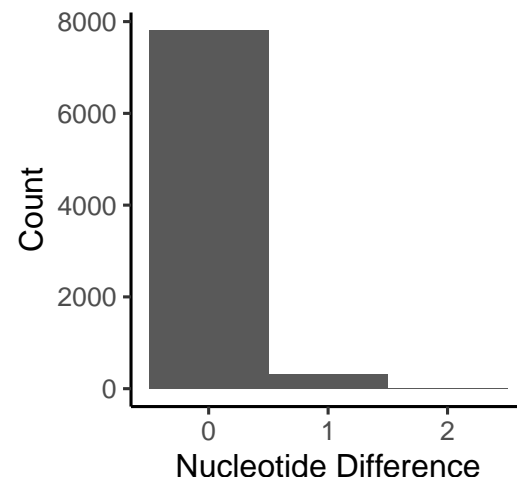
TRBV2*ap01

3517 sequences assigned
3243 (92.2%) exact matches, in which:
3078 unique CDR3
13 unique J



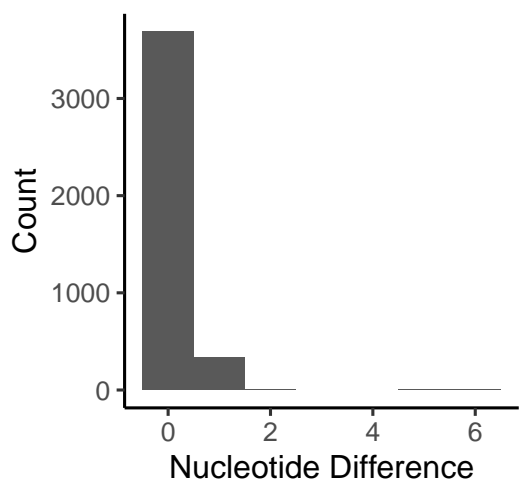
TRBV28*ap01

8133 sequences assigned
7808 (96%) exact matches, in which:
7383 unique CDR3
13 unique J



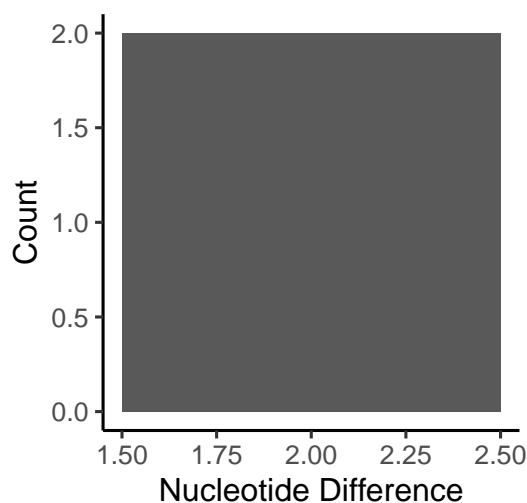
TRBV18*ap01

4027 sequences assigned
3687 (91.6%) exact matches, in which:
3517 unique CDR3
13 unique J



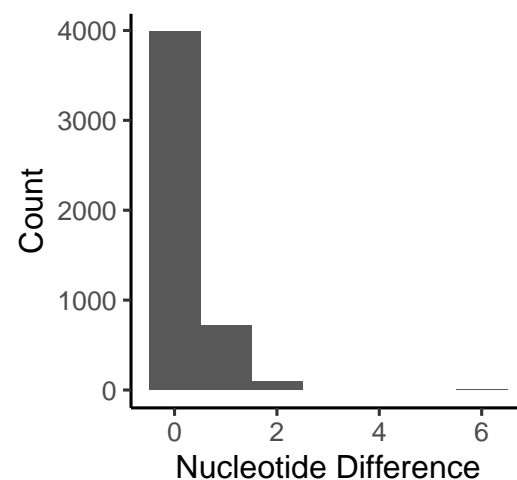
TRBV26*ap01

2 sequences assigned
No exact matches.



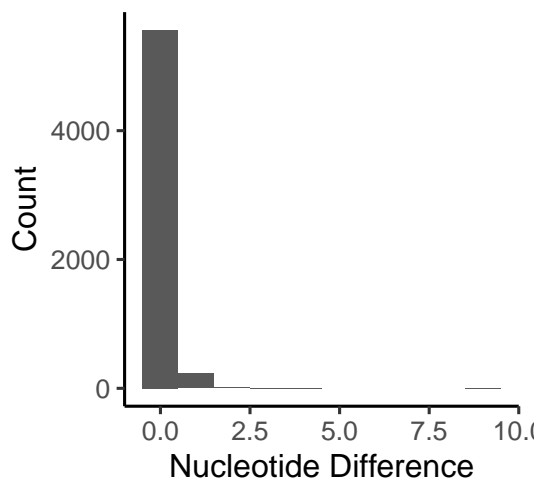
TRBV30*ap01

4800 sequences assigned
3986 (83%) exact matches, in which:
3731 unique CDR3
13 unique J



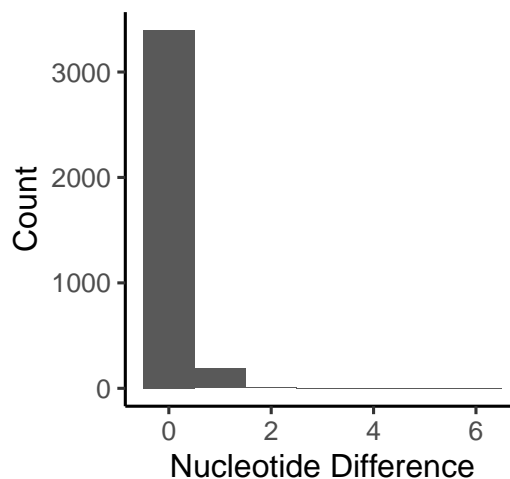
TRBV19*ap01

5809 sequences assigned
5562 (95.7%) exact matches, in which:
5297 unique CDR3
13 unique J



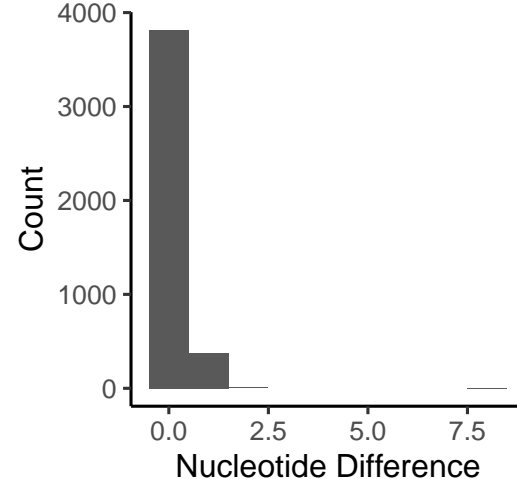
TRBV27*ap01

3597 sequences assigned
3398 (94.5%) exact matches, in which:
3222 unique CDR3
13 unique J



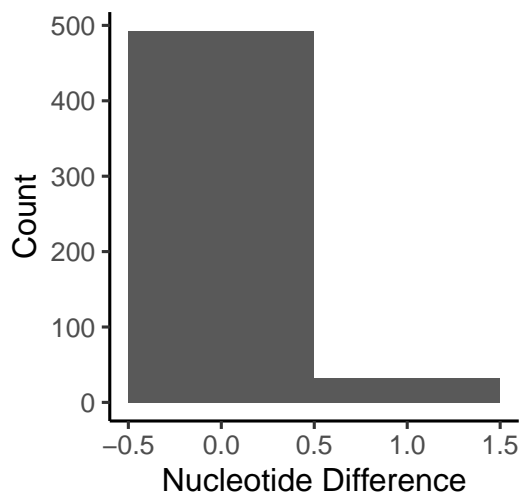
TRBV9*ap01

4197 sequences assigned
3814 (90.9%) exact matches, in which:
3642 unique CDR3
13 unique J



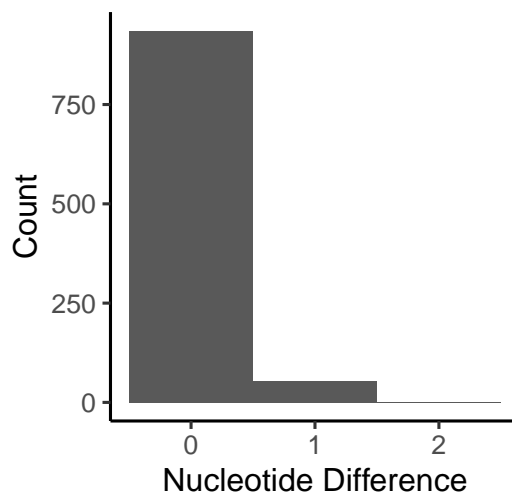
TRBV11-1*ap01

525 sequences assigned
493 (93.9%) exact matches, in which:
469 unique CDR3
13 unique J



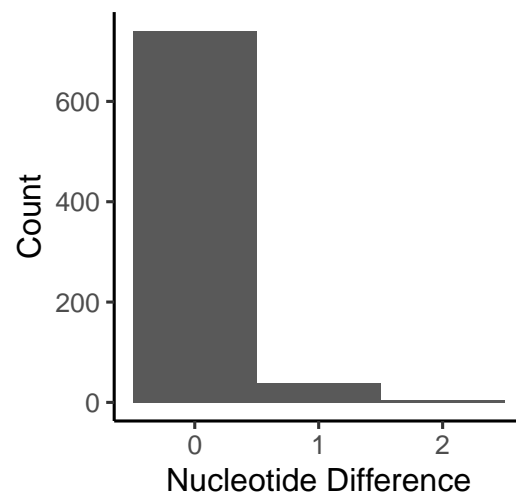
TRBV11-3*ap01

992 sequences assigned
936 (94.4%) exact matches, in which:
877 unique CDR3
13 unique J



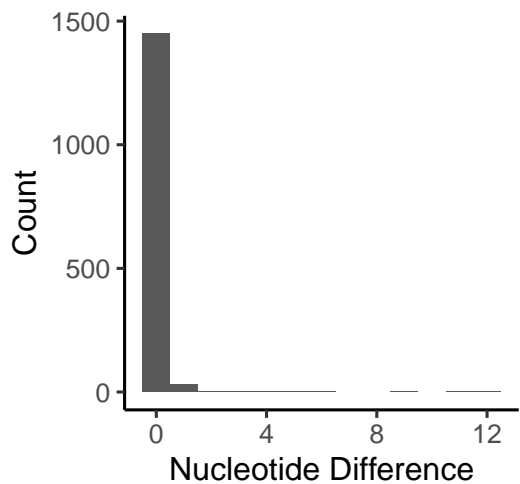
TRBV12-5*ap01

784 sequences assigned
741 (94.5%) exact matches, in which:
692 unique CDR3
13 unique J



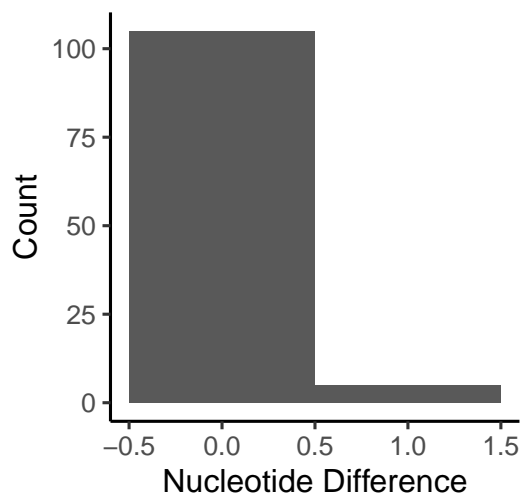
TRBV21-1*ap01

1492 sequences assigned
1449 (97.1%) exact matches, in which:
1404 unique CDR3
13 unique J



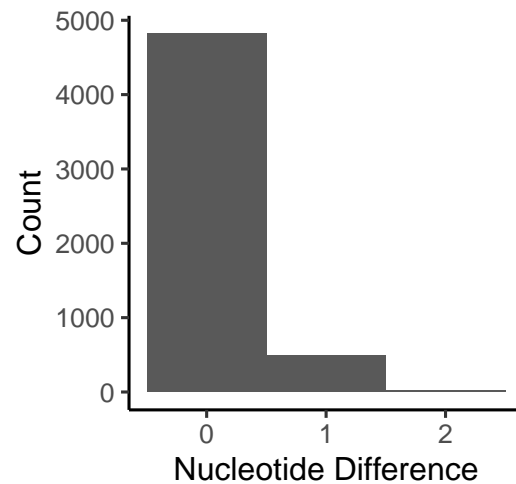
TRBV12-1*ap01

110 sequences assigned
105 (95.5%) exact matches, in which:
98 unique CDR3
13 unique J



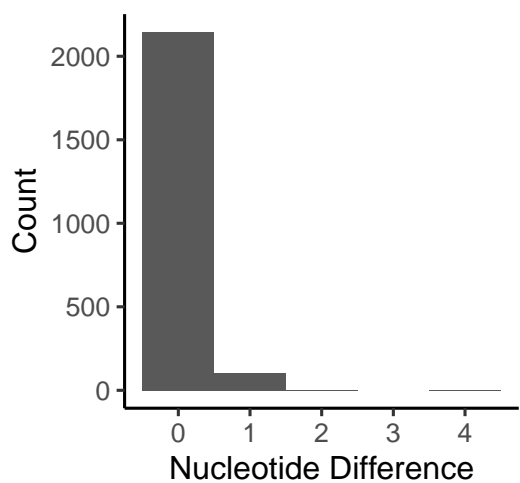
TRBV12-34*ap01

5330 sequences assigned
4819 (90.4%) exact matches, in which:
4530 unique CDR3
13 unique J



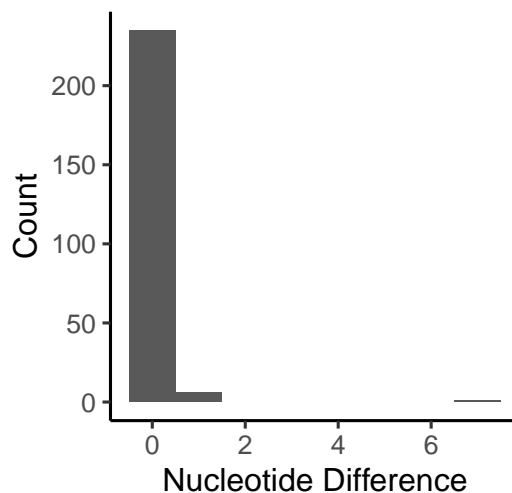
TRBV11-2*ap01

2255 sequences assigned
2145 (95.1%) exact matches, in which:
2009 unique CDR3
13 unique J



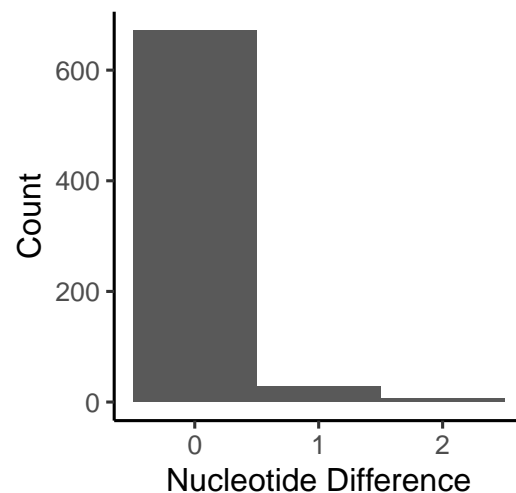
TRBV12-2*ap01

242 sequences assigned
235 (97.1%) exact matches, in which:
225 unique CDR3
13 unique J



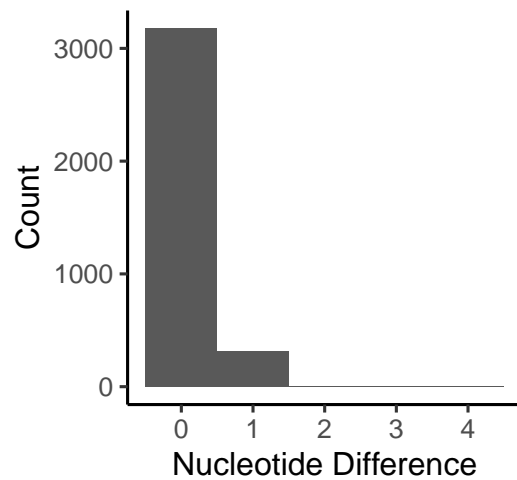
TRBV23-1*ap01

706 sequences assigned
672 (95.2%) exact matches, in which:
655 unique CDR3
13 unique J



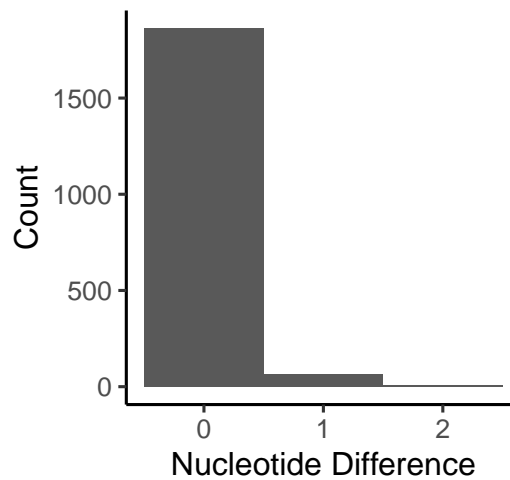
TRBV3-12*ap01

3500 sequences assigned
3177 (90.8%) exact matches, in which:
3048 unique CDR3
13 unique J



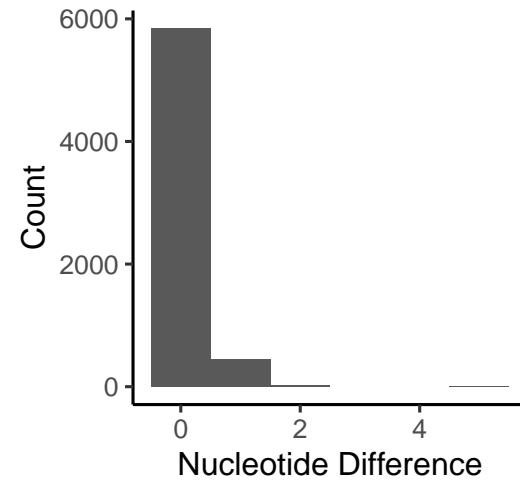
TRBV4-2*ap01

1934 sequences assigned
1862 (96.3%) exact matches, in which:
1794 unique CDR3
13 unique J



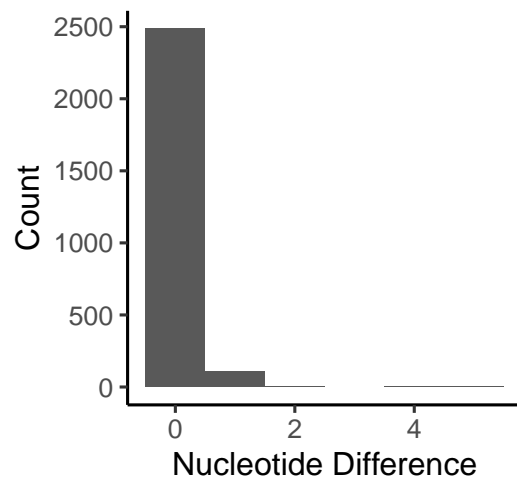
TRBV5-1*ap01

6310 sequences assigned
5844 (92.6%) exact matches, in which:
5495 unique CDR3
13 unique J



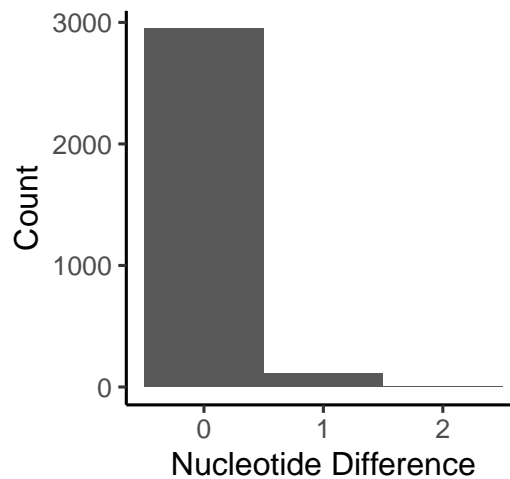
TRBV4-1*ap01

2603 sequences assigned
2486 (95.5%) exact matches, in which:
2389 unique CDR3
13 unique J



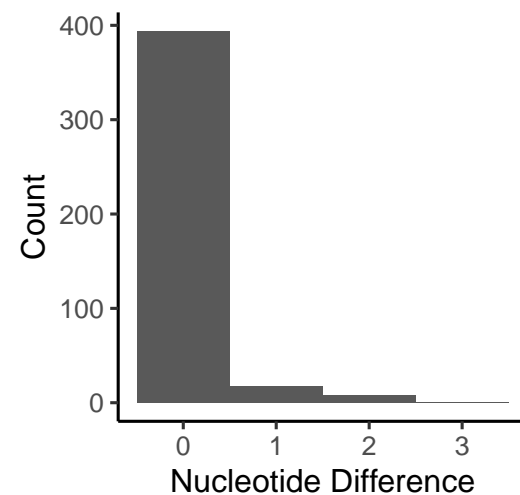
TRBV4-3*ap01

3063 sequences assigned
2948 (96.2%) exact matches, in which:
2818 unique CDR3
13 unique J



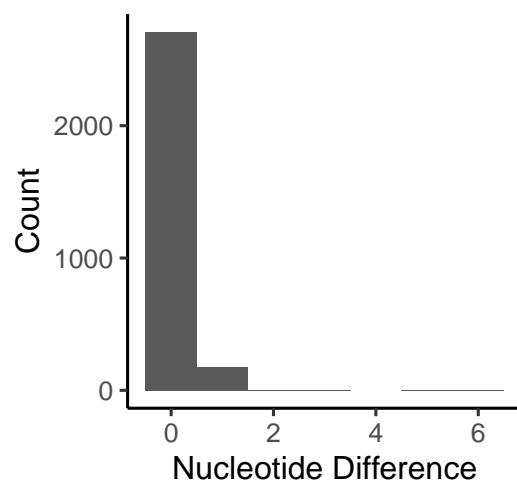
TRBV5-3*ap01

421 sequences assigned
394 (93.6%) exact matches, in which:
368 unique CDR3
13 unique J



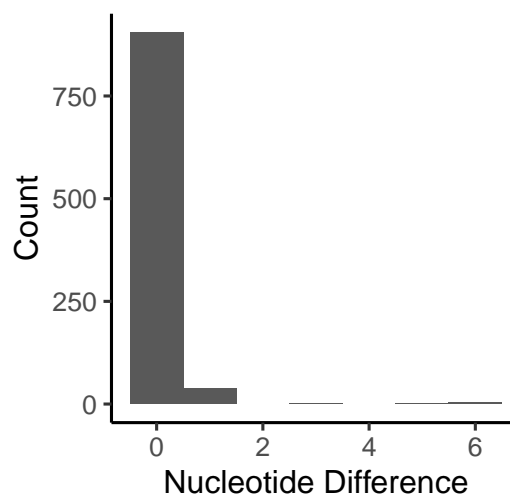
TRBV24-1*ap01

2894 sequences assigned
2708 (93.6%) exact matches, in which:
2599 unique CDR3
13 unique J



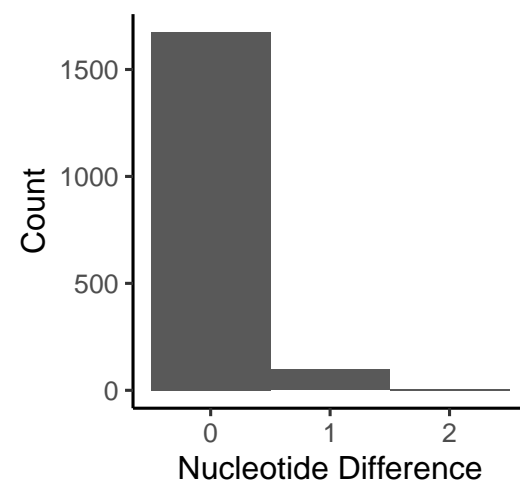
TRBV25-1*ap01

949 sequences assigned
905 (95.4%) exact matches, in which:
858 unique CDR3
13 unique J



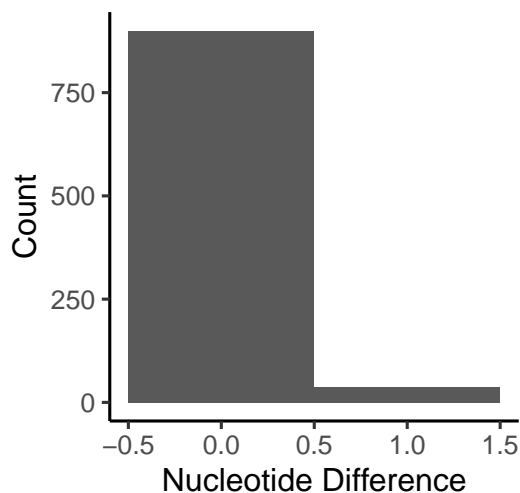
TRBV5-4*ap01

1777 sequences assigned
1675 (94.3%) exact matches, in which:
1576 unique CDR3
13 unique J



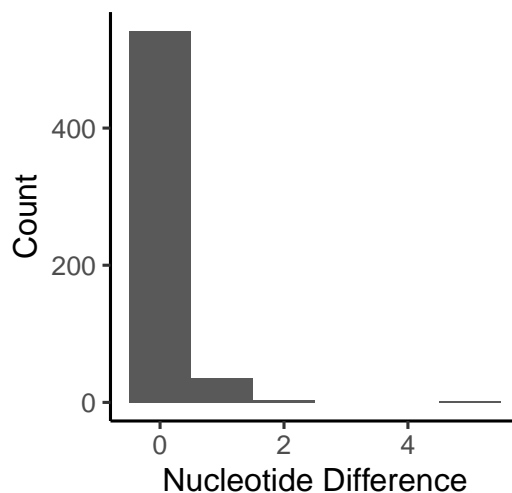
TRBV5-5*ap01

938 sequences assigned
900 (95.9%) exact matches, in which:
811 unique CDR3
13 unique J



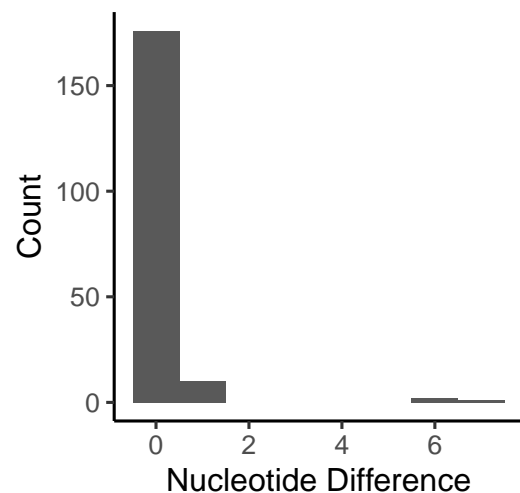
TRBV5-8*ap01

584 sequences assigned
542 (92.8%) exact matches, in which:
512 unique CDR3
13 unique J



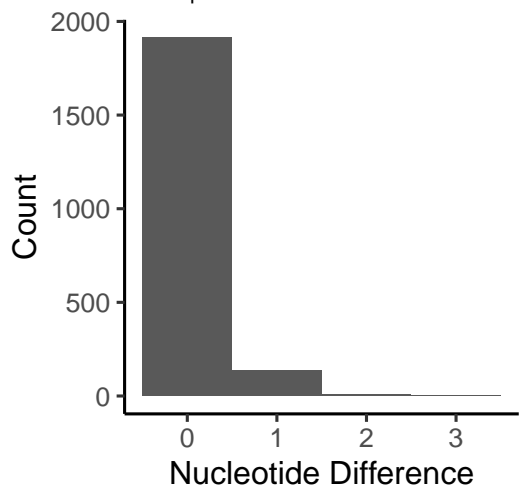
TRBV6-7*ap01

189 sequences assigned
176 (93.1%) exact matches, in which:
169 unique CDR3
13 unique J



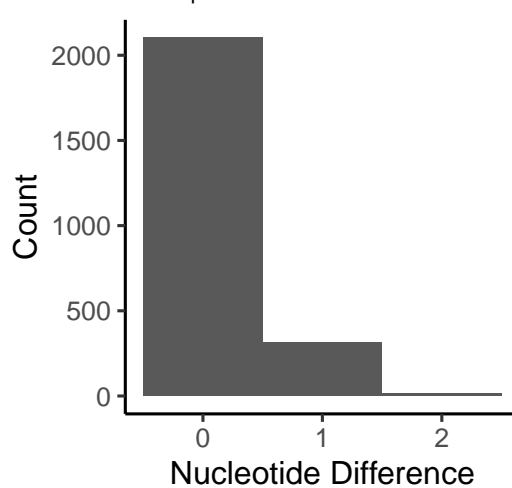
TRBV5-6*ap01

2055 sequences assigned
1913 (93.1%) exact matches, in which:
1728 unique CDR3
13 unique J



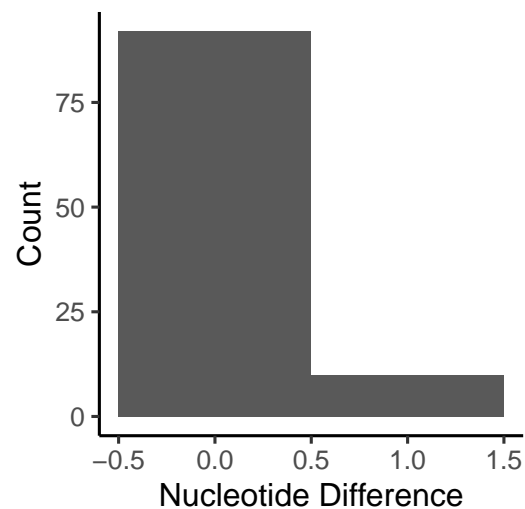
TRBV6-1*ap01

2435 sequences assigned
2103 (86.4%) exact matches, in which:
2002 unique CDR3
13 unique J



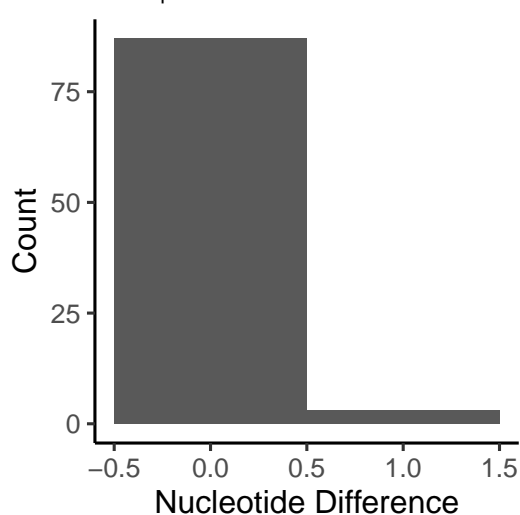
TRBV6-8*ap01

102 sequences assigned
92 (90.2%) exact matches, in which:
88 unique CDR3
13 unique J



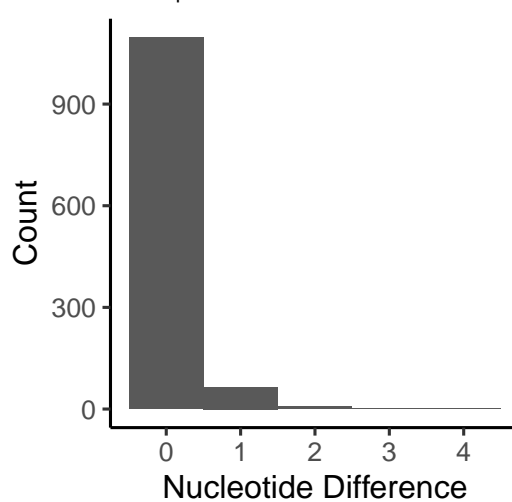
TRBV5-7*ap01

90 sequences assigned
87 (96.7%) exact matches, in which:
80 unique CDR3
12 unique J



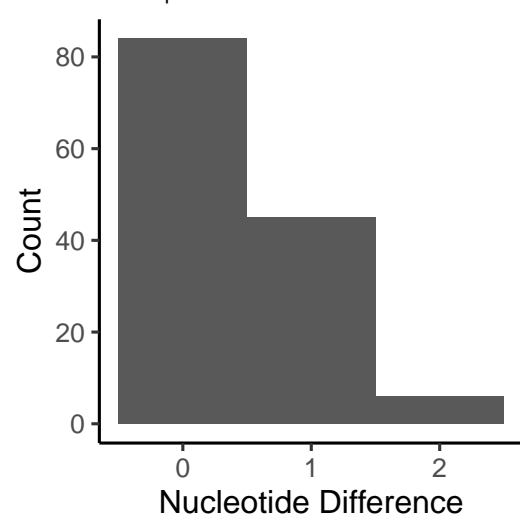
TRBV6-4*ap01

1171 sequences assigned
1097 (93.7%) exact matches, in which:
1049 unique CDR3
13 unique J



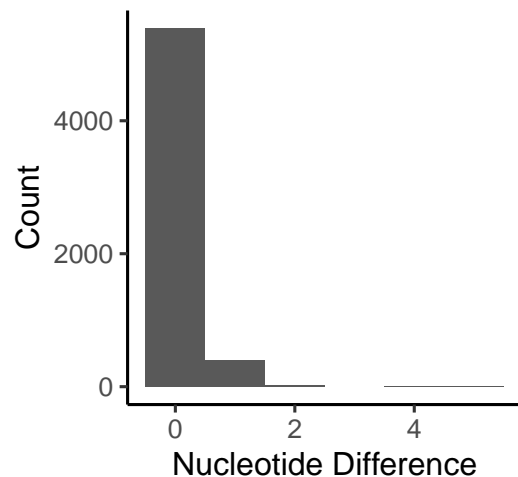
TRBV6-9*ap01

135 sequences assigned
84 (62.2%) exact matches, in which:
82 unique CDR3
13 unique J



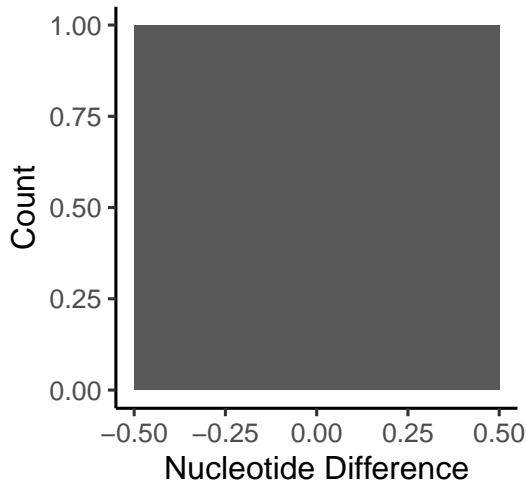
TRBV6-23*ap01

5812 sequences assigned
5389 (92.7%) exact matches, in which:
5118 unique CDR3
13 unique J



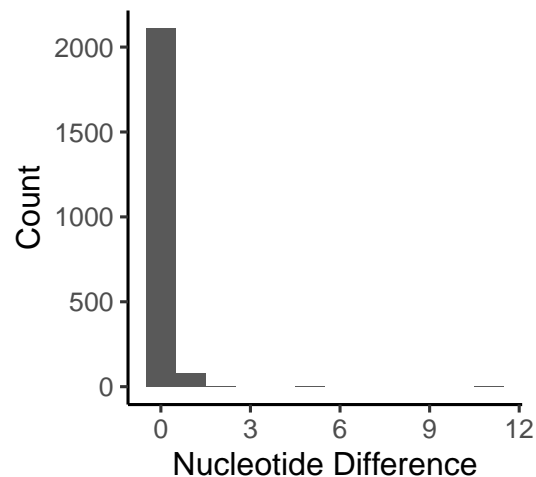
TRBV7-1*ap01

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



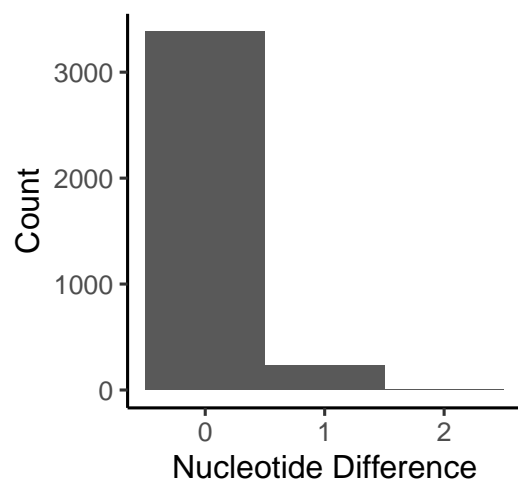
TRBV7-3*ap01

2195 sequences assigned
2110 (96.1%) exact matches, in which:
1984 unique CDR3
13 unique J



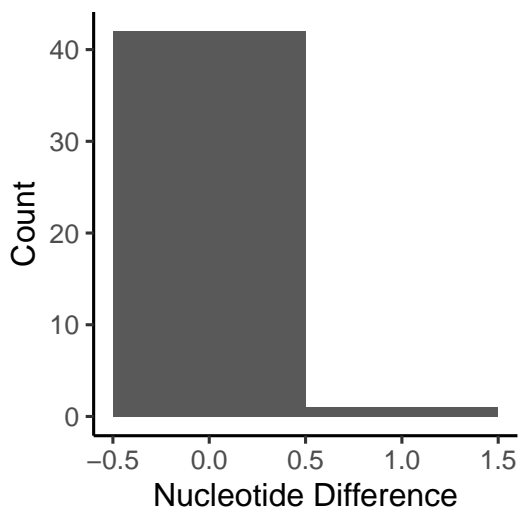
TRBV6-56*ap01

3622 sequences assigned
3382 (93.4%) exact matches, in which:
3269 unique CDR3
13 unique J



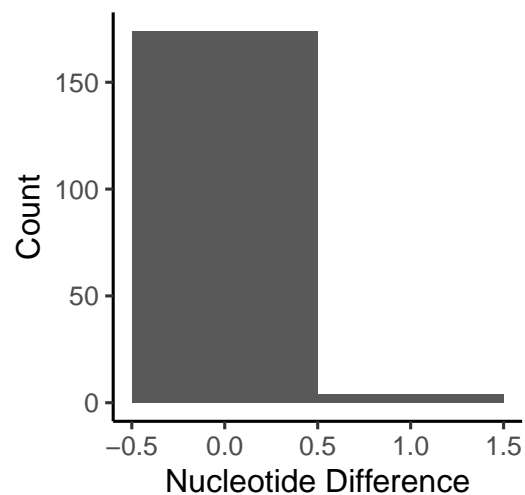
TRBV7-1*ap01_G291C_T

43 sequences assigned
42 (97.7%) exact matches, in which:
42 unique CDR3
12 unique J



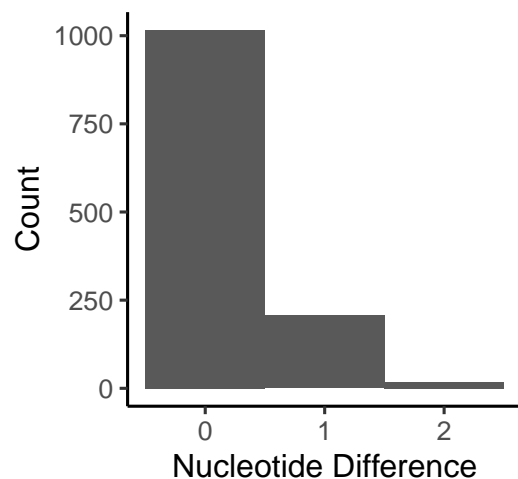
TRBV7-4*ap01

178 sequences assigned
174 (97.8%) exact matches, in which:
167 unique CDR3
13 unique J



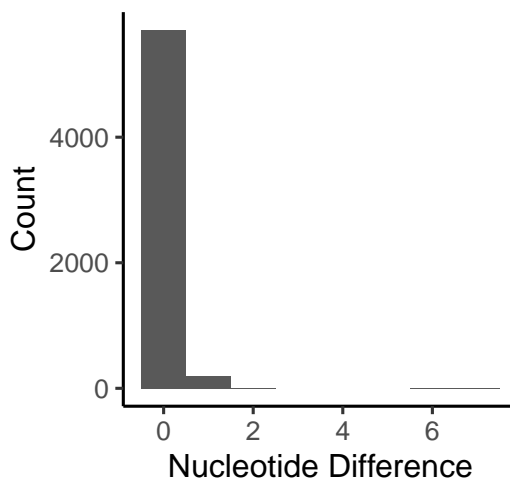
TRBV6-56*ap02

1241 sequences assigned
1016 (81.9%) exact matches, in which:
967 unique CDR3
13 unique J



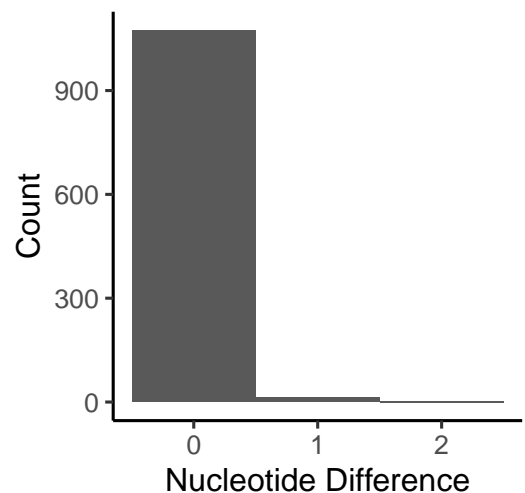
TRBV7-2*ap01

5909 sequences assigned
5707 (96.6%) exact matches, in which:
5348 unique CDR3
13 unique J



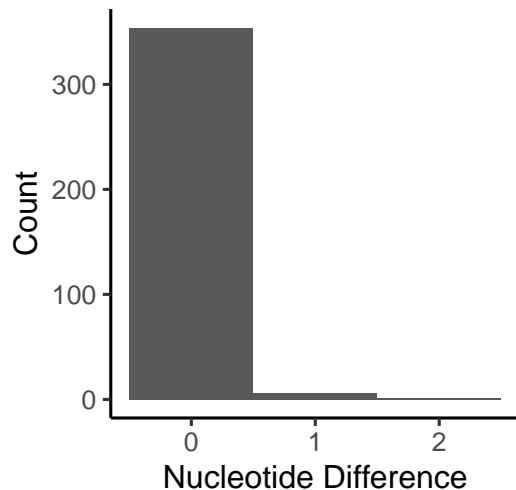
TRBV7-6*ap01

1090 sequences assigned
1074 (98.5%) exact matches, in which:
1000 unique CDR3
13 unique J



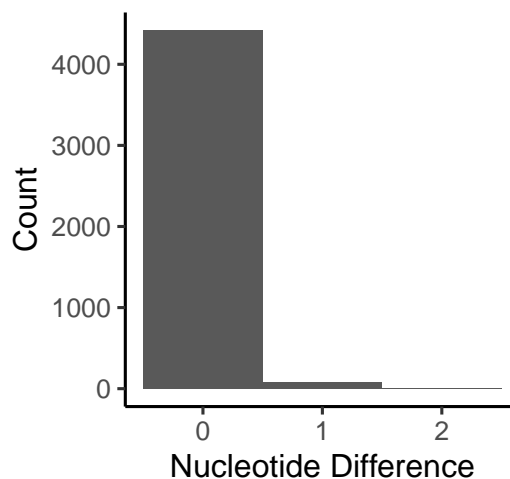
TRBV7-7*ap01_C315T

361 sequences assigned
354 (98.1%) exact matches, in which:
324 unique CDR3
13 unique J



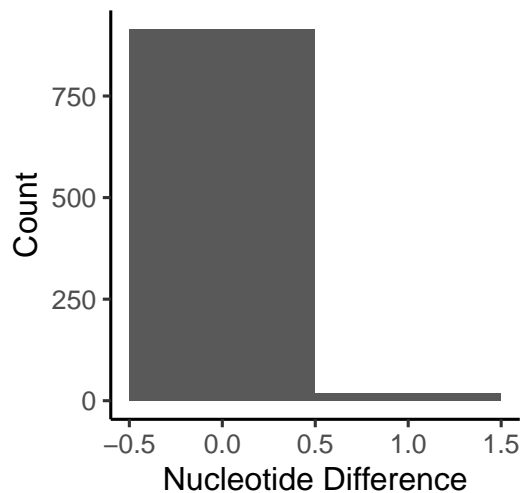
TRBV7-9*ap01

4511 sequences assigned
4418 (97.9%) exact matches, in which:
4195 unique CDR3
13 unique J



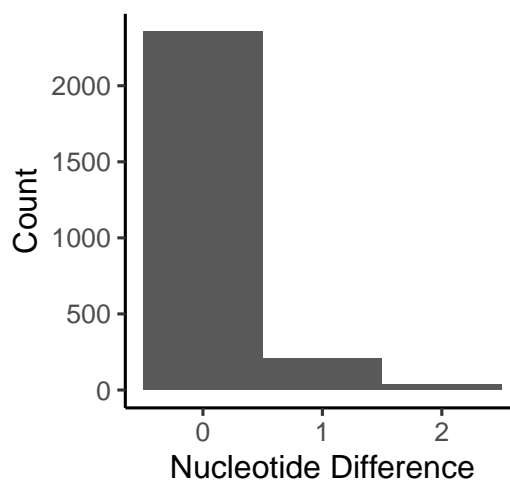
TRBV7-8*ap01

933 sequences assigned
915 (98.1%) exact matches, in which:
870 unique CDR3
13 unique J



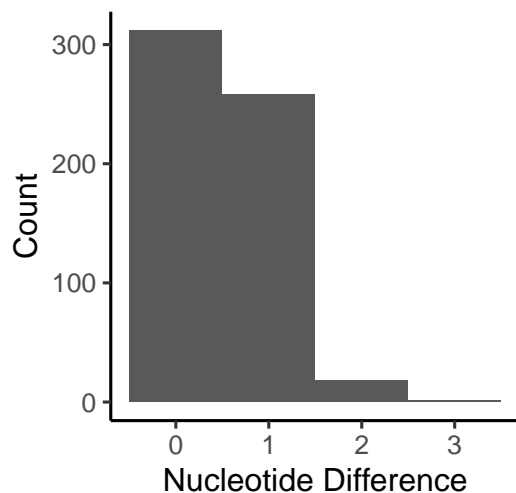
TRBV29-1*ap01

2597 sequences assigned
2355 (90.7%) exact matches, in which:
2194 unique CDR3
13 unique J



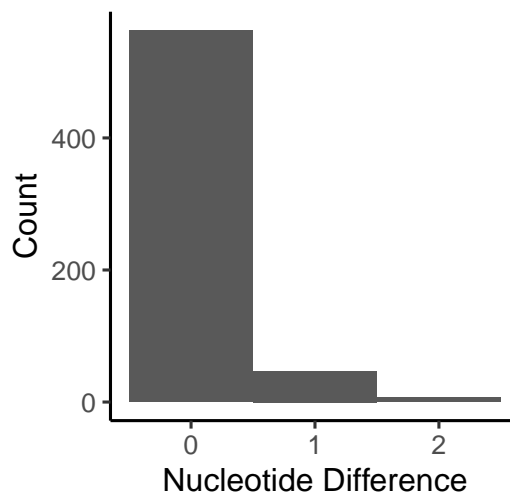
TRBV7-8*ap03

589 sequences assigned
312 (53%) exact matches, in which:
296 unique CDR3
13 unique J

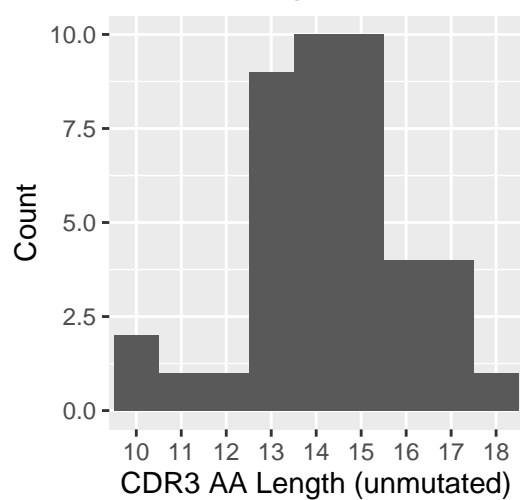


TRBV29-1*ap02

617 sequences assigned
563 (91.2%) exact matches, in which:
510 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

