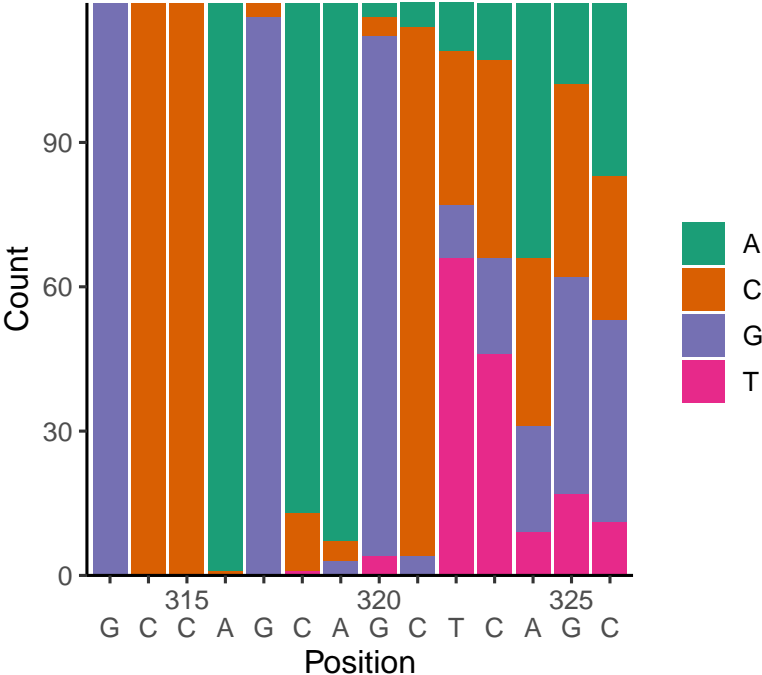
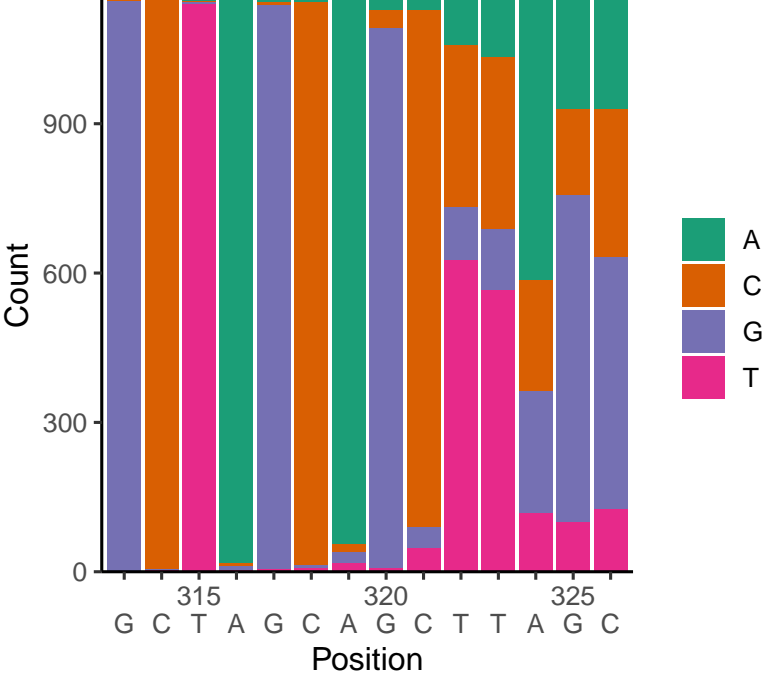


Gene TRBV7-1*ap01_G291C_T296C



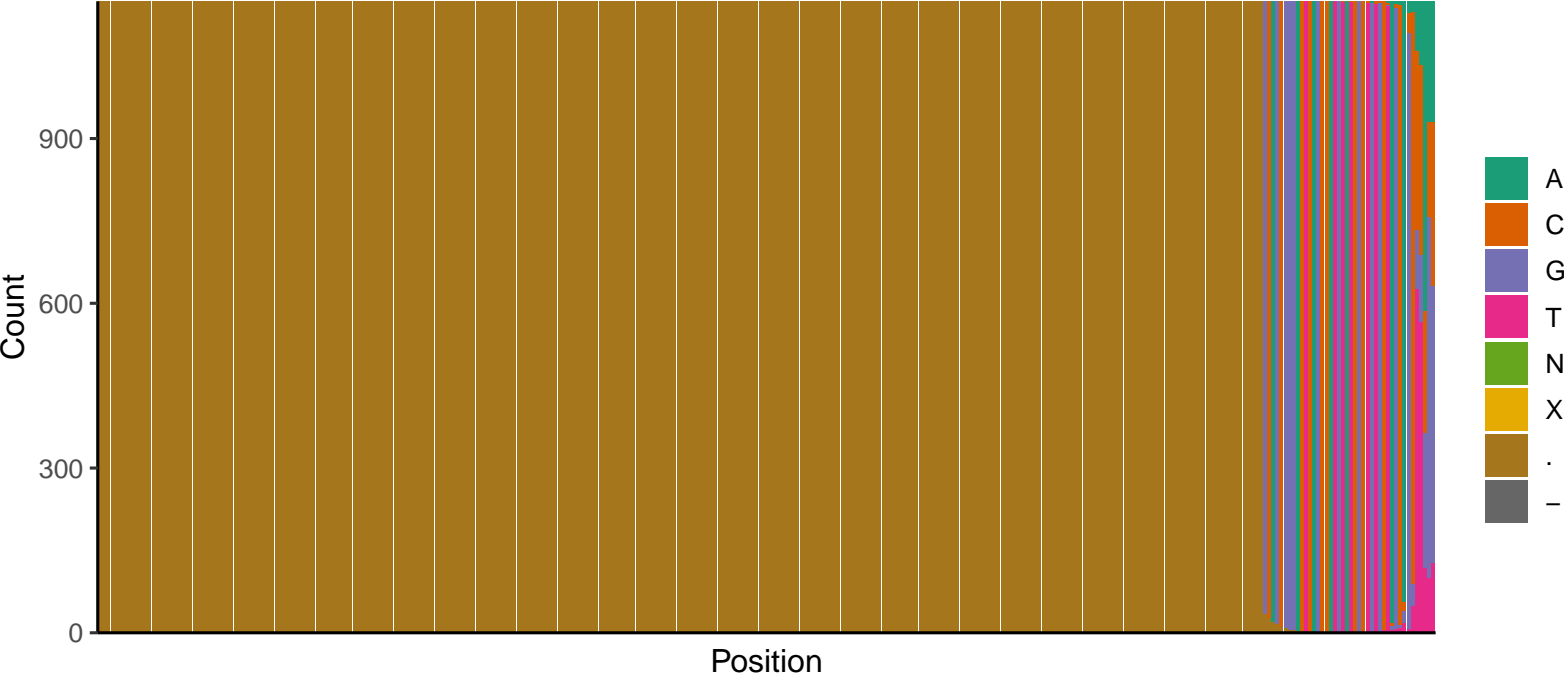
Gene TRBV7-7*ap01_C315T



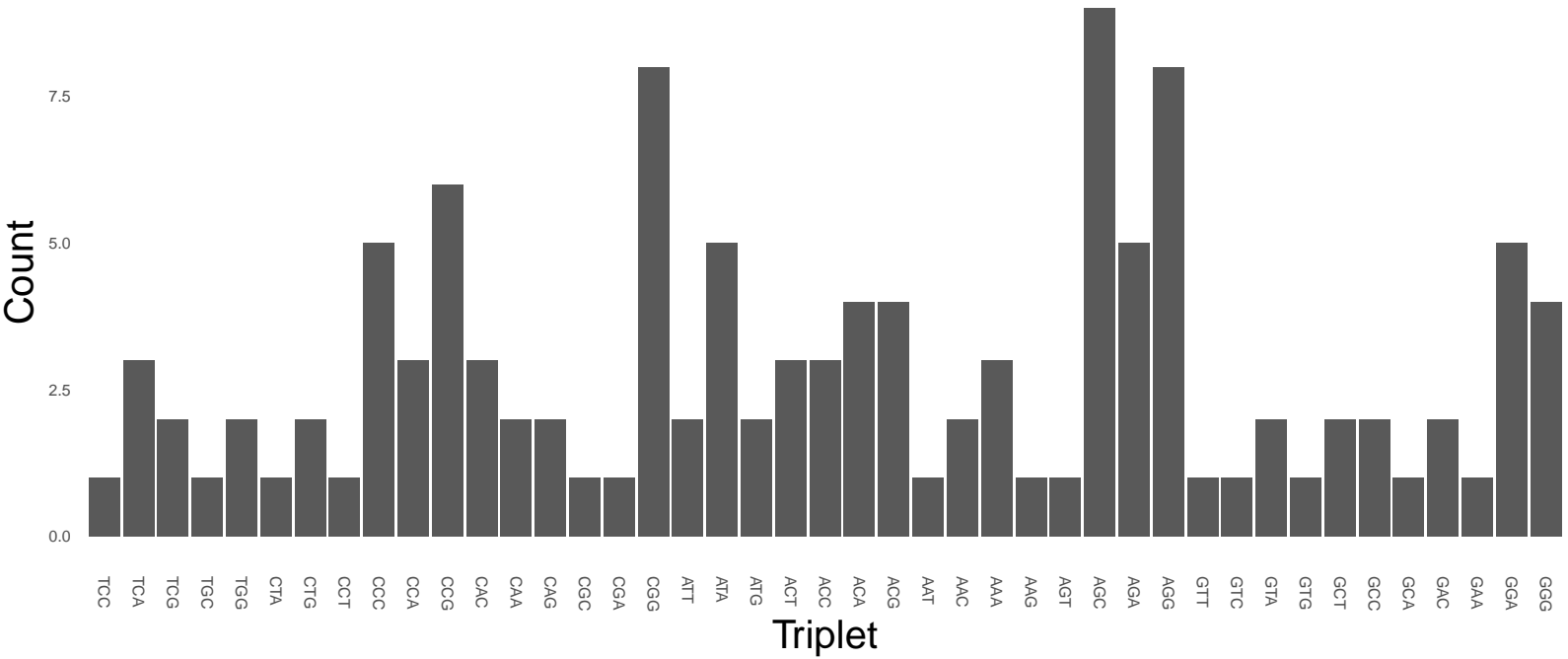
Gene TRBV7-1*ap01_G291C_T296C



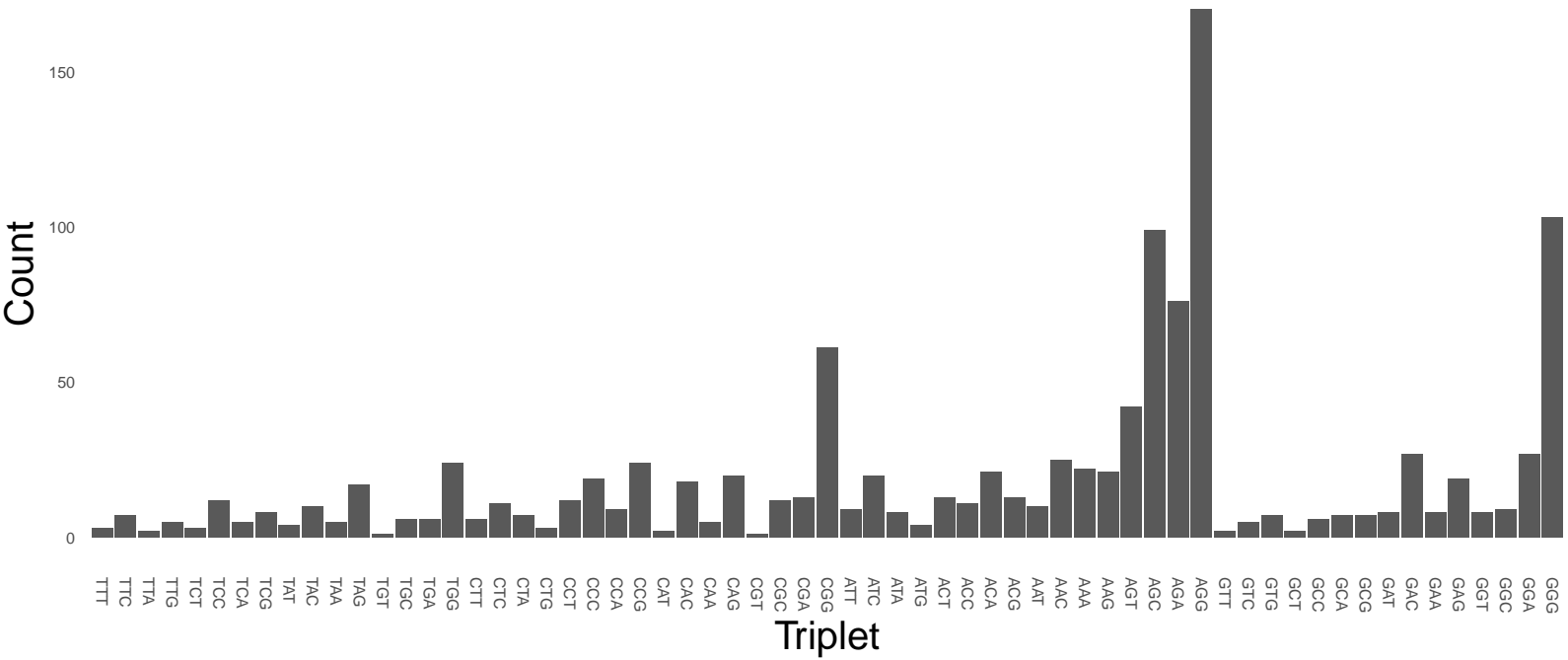
Gene TRBV7-7*ap01_C315T



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

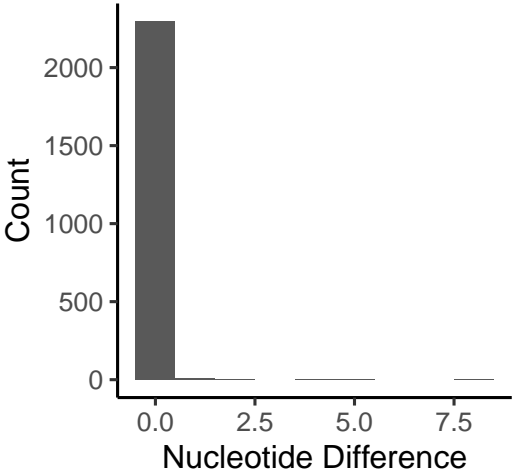


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



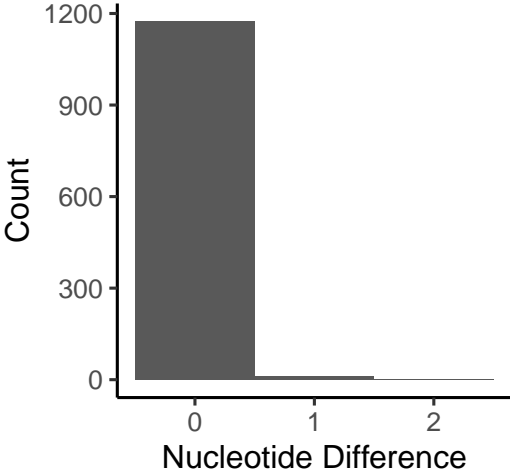
TRBV10-1*ap01

2315 sequences assigned
2296 (99.2%) exact matches, in which:
2254 unique CDR3
13 unique J



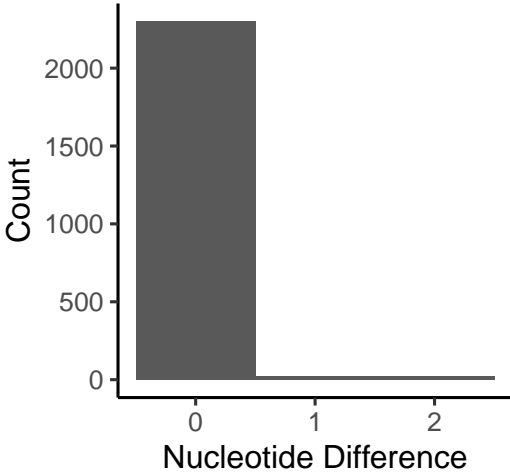
TRBV10-2*ap01

1188 sequences assigned
1174 (98.8%) exact matches, in which:
1154 unique CDR3
13 unique J



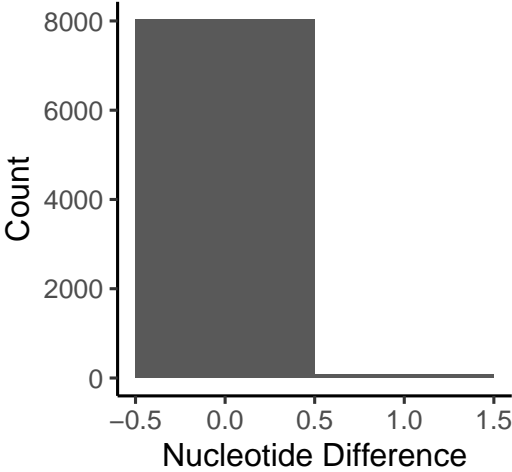
TRBV13*ap01

2342 sequences assigned
2300 (98.2%) exact matches, in which:
2237 unique CDR3
13 unique J



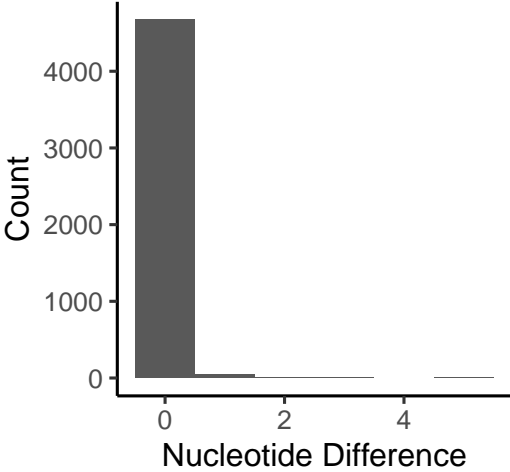
TRBV20-1*ap01

8108 sequences assigned
8027 (99%) exact matches, in which:
7935 unique CDR3
13 unique J



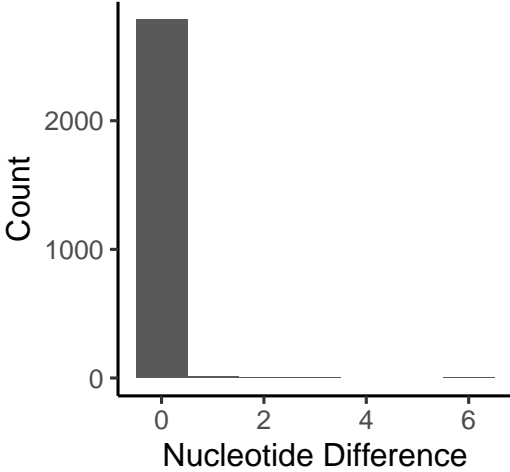
TRBV10-3*ap01

4724 sequences assigned
4672 (98.9%) exact matches, in which:
4592 unique CDR3
13 unique J



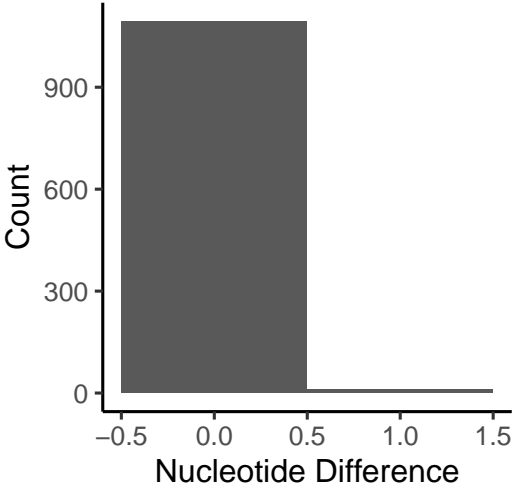
TRBV14*ap01

2804 sequences assigned
2785 (99.3%) exact matches, in which:
2747 unique CDR3
13 unique J



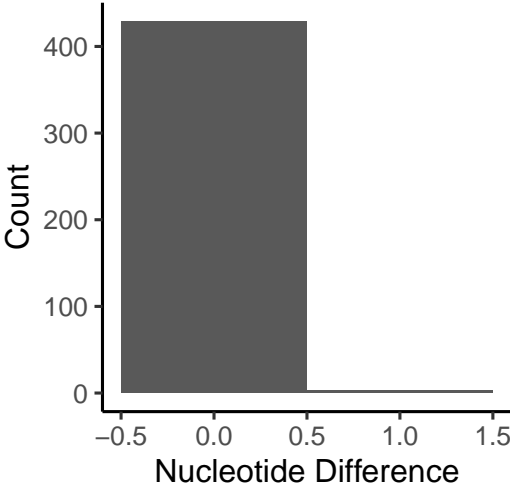
TRBV20-1*ap02

1104 sequences assigned
1094 (99.1%) exact matches, in which:
1080 unique CDR3
13 unique J



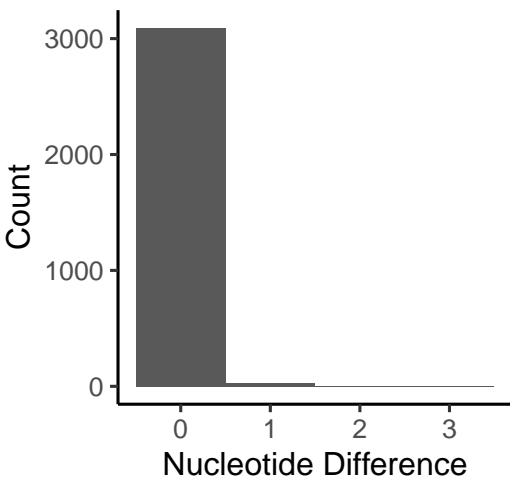
TRBV1*ap01

432 sequences assigned
429 (99.3%) exact matches, in which:
418 unique CDR3
13 unique J



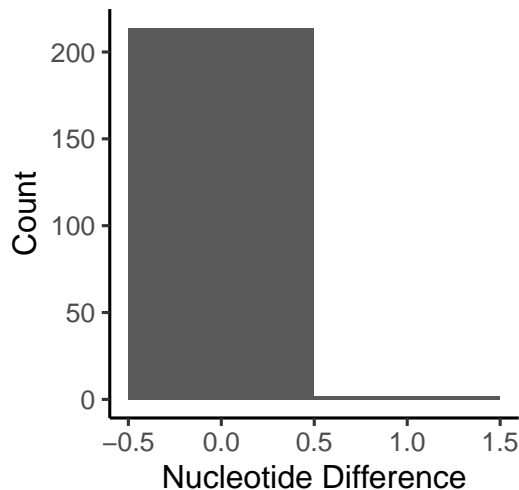
TRBV15*ap02

3122 sequences assigned
3091 (99%) exact matches, in which:
3035 unique CDR3
13 unique J



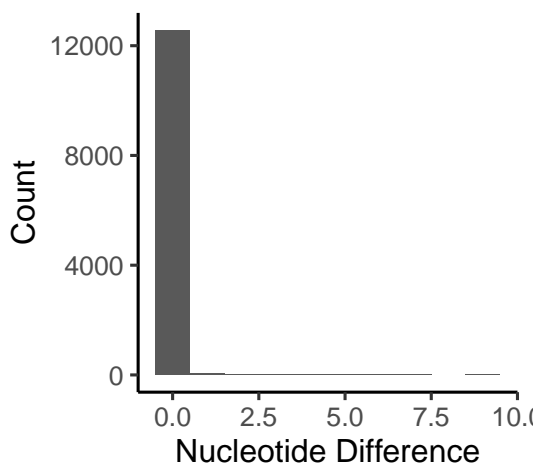
TRBV16*ap01

216 sequences assigned
214 (99.1%) exact matches, in which:
211 unique CDR3
13 unique J



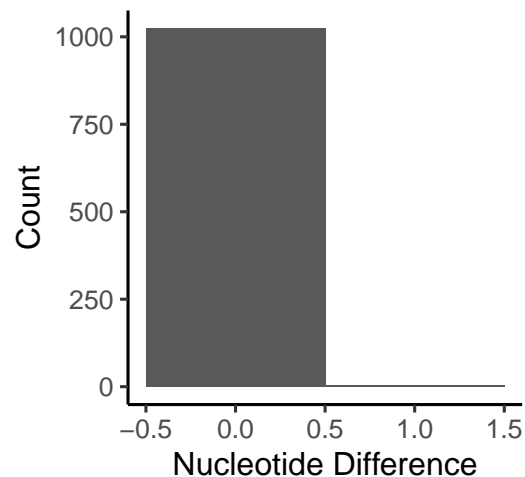
TRBV19*ap01

12661 sequences assigned
12567 (99.3%) exact matches, in which:
12455 unique CDR3
13 unique J



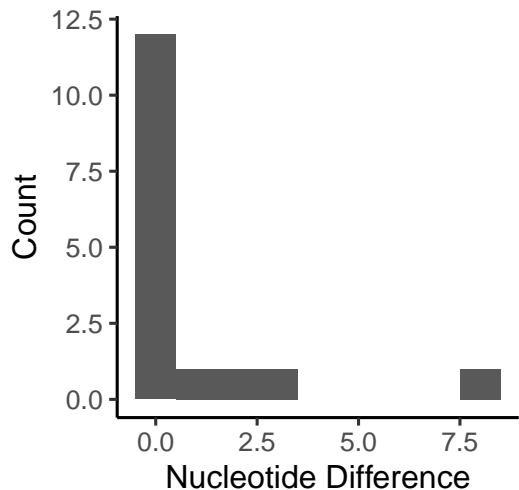
TRBV28*ap01

1029 sequences assigned
1024 (99.5%) exact matches, in which:
1011 unique CDR3
13 unique J



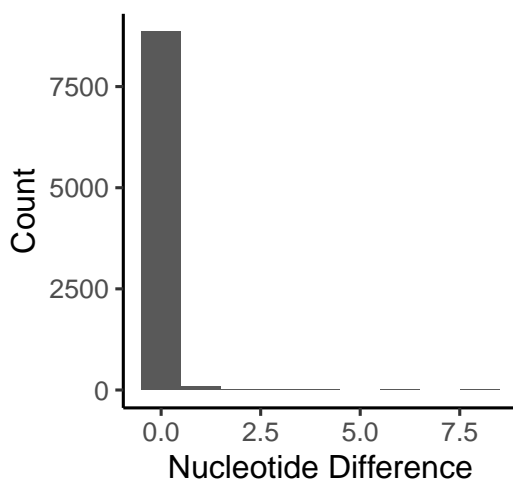
TRBV17*ap01

16 sequences assigned
12 (75%) exact matches, in which:
12 unique CDR3
8 unique J



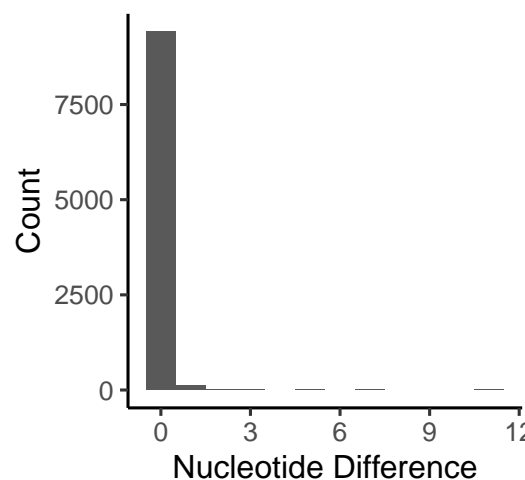
TRBV2*ap01

8943 sequences assigned
8856 (99%) exact matches, in which:
8729 unique CDR3
13 unique J



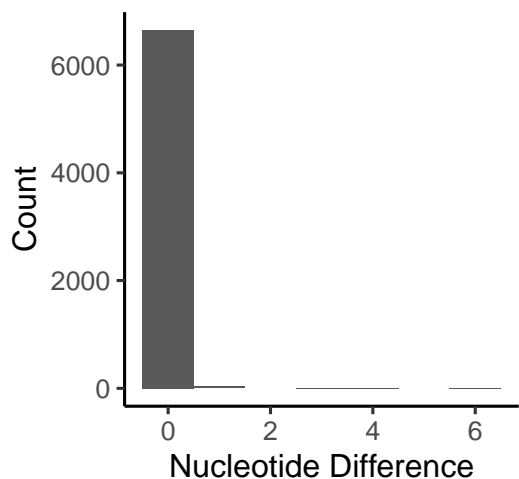
TRBV30*ap01

9549 sequences assigned
9413 (98.6%) exact matches, in which:
9229 unique CDR3
13 unique J



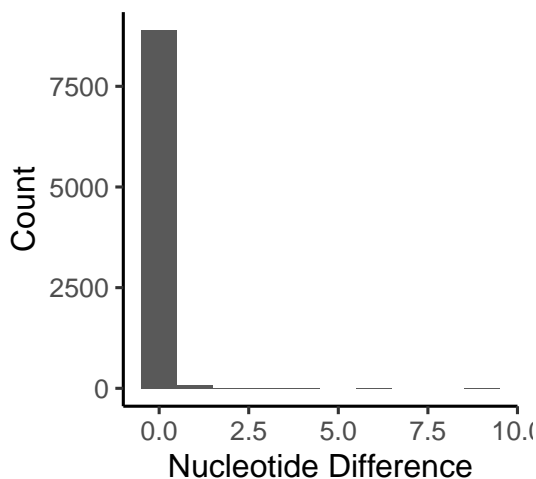
TRBV18*ap01

6687 sequences assigned
6650 (99.4%) exact matches, in which:
6596 unique CDR3
13 unique J



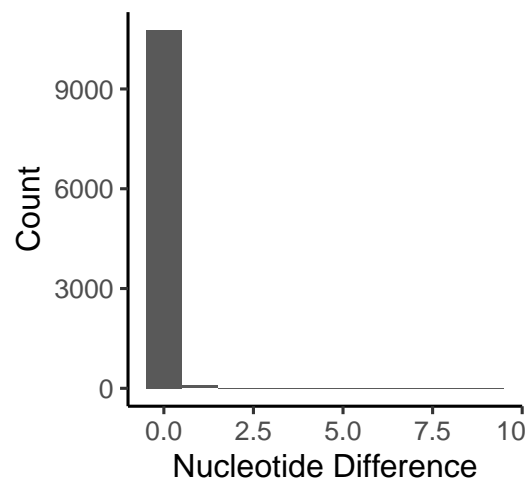
TRBV27*ap01

8995 sequences assigned
8897 (98.9%) exact matches, in which:
8734 unique CDR3
13 unique J



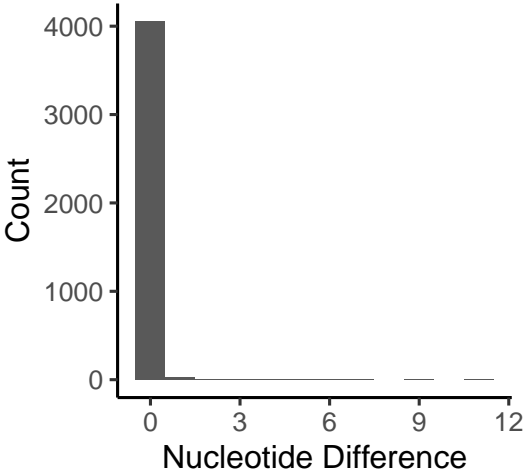
TRBV9*ap01

10863 sequences assigned
10771 (99.2%) exact matches, in which:
10649 unique CDR3
13 unique J



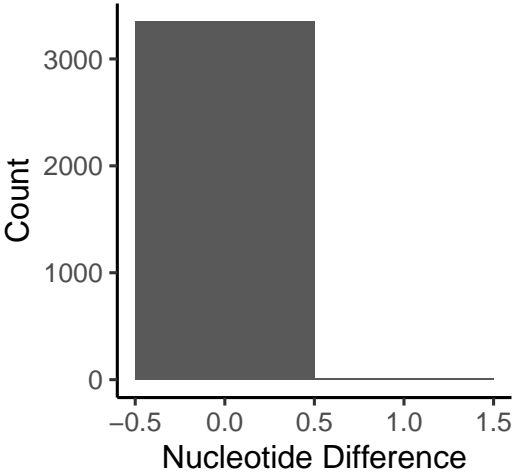
TRBV21-1*ap01

4099 sequences assigned
4054 (98.9%) exact matches, in which:
4021 unique CDR3
13 unique J



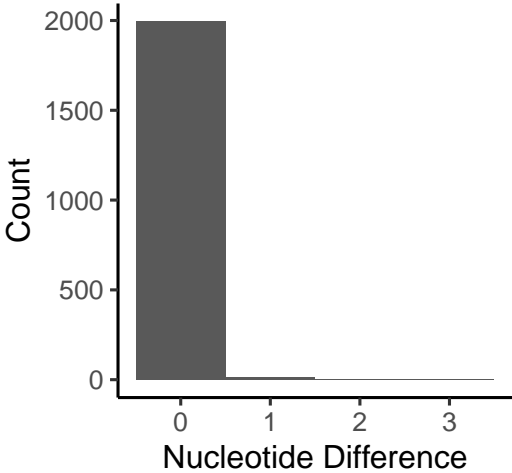
TRBV11-3*ap01

3363 sequences assigned
3351 (99.6%) exact matches, in which:
3315 unique CDR3
13 unique J



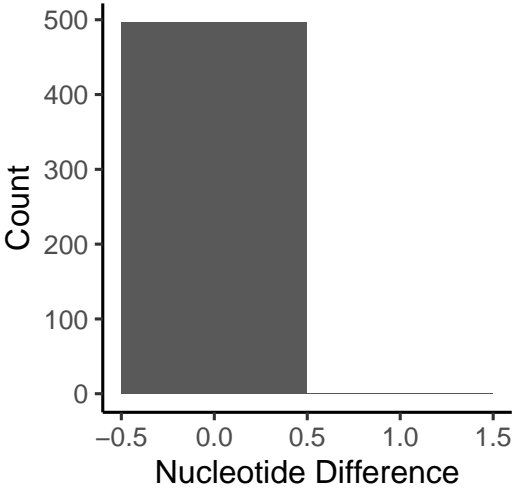
TRBV12-5*ap01

2012 sequences assigned
1995 (99.2%) exact matches, in which:
1967 unique CDR3
13 unique J



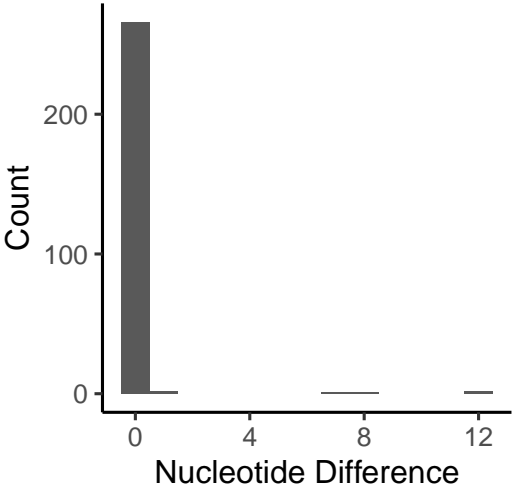
TRBV11-1*ap01

498 sequences assigned
497 (99.8%) exact matches, in which:
495 unique CDR3
13 unique J



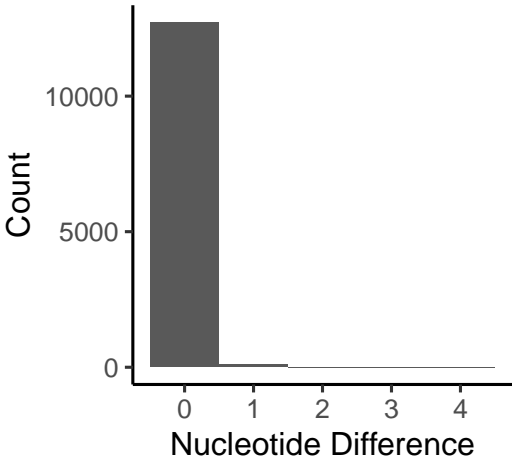
TRBV12-1*ap01

272 sequences assigned
266 (97.8%) exact matches, in which:
263 unique CDR3
13 unique J



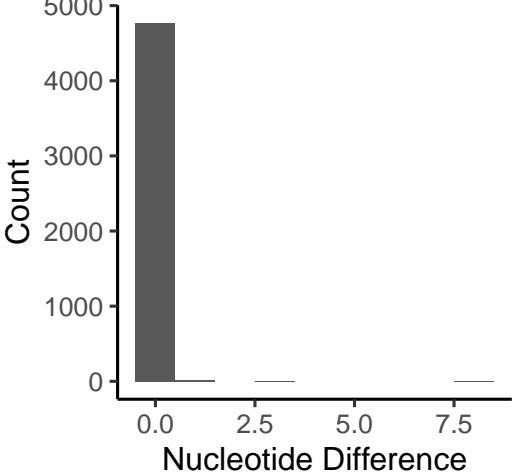
TRBV12-34*ap01

12817 sequences assigned
12717 (99.2%) exact matches, in which:
12535 unique CDR3
13 unique J



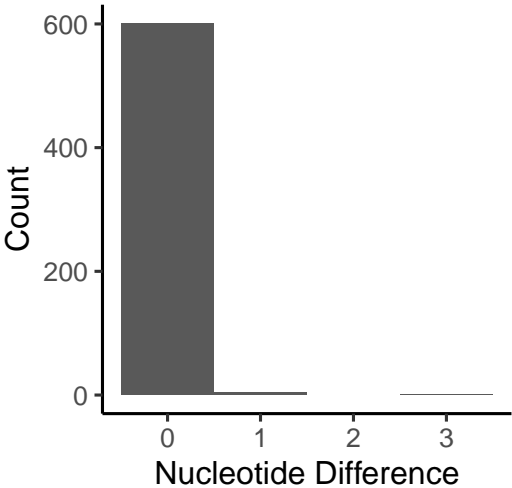
TRBV11-2*ap01

4789 sequences assigned
4768 (99.6%) exact matches, in which:
4739 unique CDR3
13 unique J



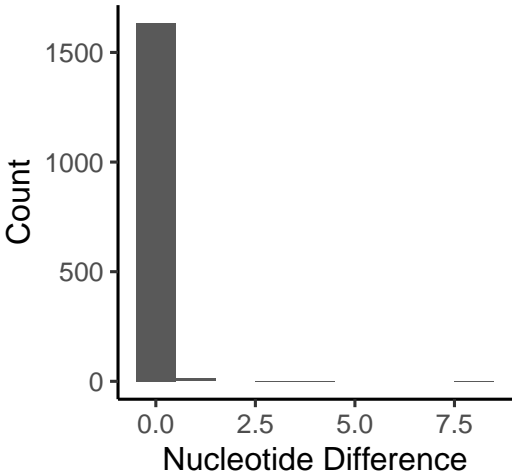
TRBV12-2*ap01

606 sequences assigned
601 (99.2%) exact matches, in which:
596 unique CDR3
13 unique J



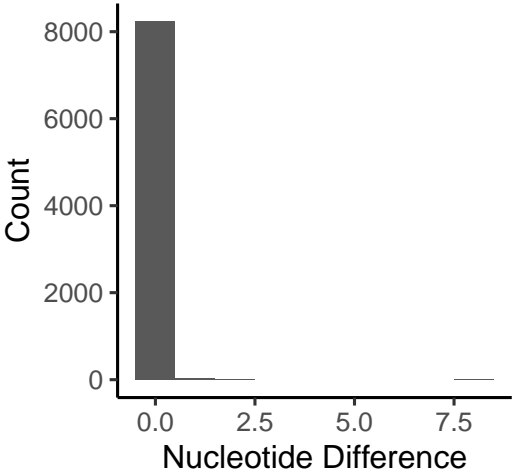
TRBV23-1*ap01

1651 sequences assigned
1634 (99%) exact matches, in which:
1608 unique CDR3
13 unique J



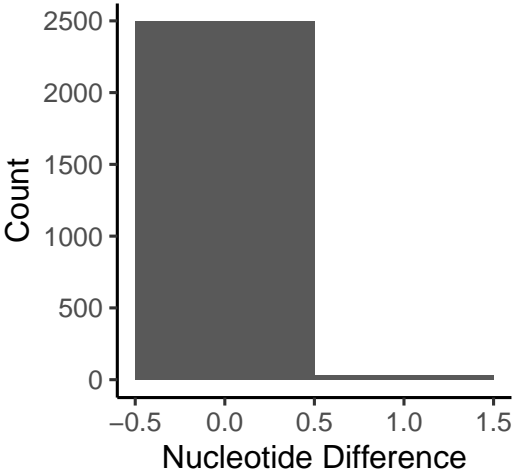
TRBV3-12*ap01

8285 sequences assigned
8236 (99.4%) exact matches, in which:
8155 unique CDR3
13 unique J



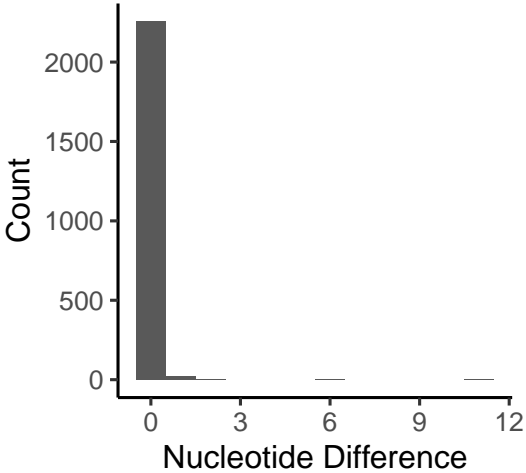
TRBV4-2*ap01

2529 sequences assigned
2496 (98.7%) exact matches, in which:
2450 unique CDR3
13 unique J



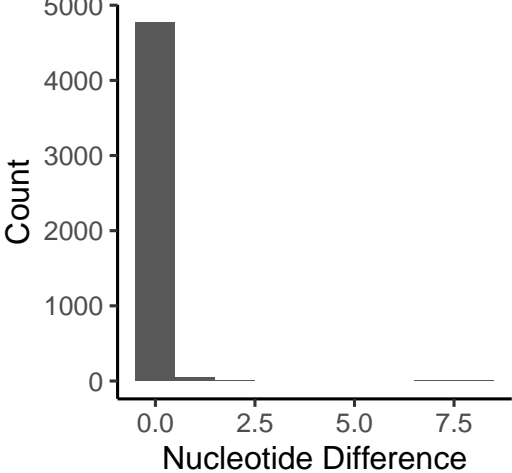
TRBV25-1*ap01

2283 sequences assigned
2256 (98.8%) exact matches, in which:
2210 unique CDR3
13 unique J



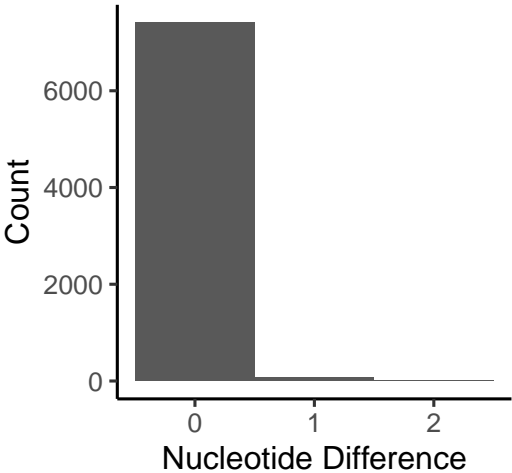
TRBV4-1*ap01

4824 sequences assigned
4767 (98.8%) exact matches, in which:
4670 unique CDR3
13 unique J



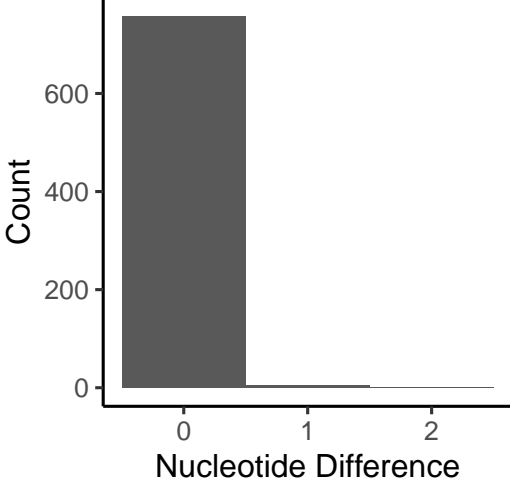
TRBV4-3*ap01

7474 sequences assigned
7406 (99.1%) exact matches, in which:
7275 unique CDR3
13 unique J



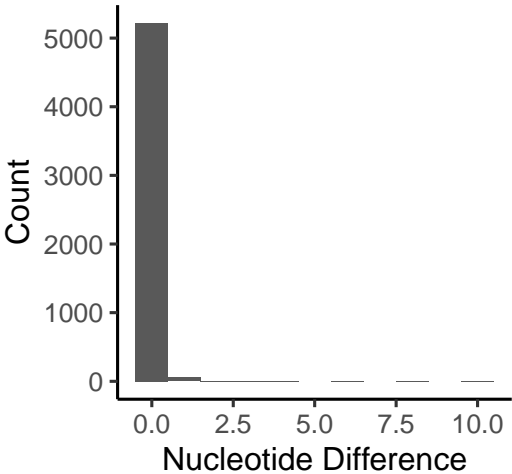
TRBV5-3*ap01

765 sequences assigned
758 (99.1%) exact matches, in which:
744 unique CDR3
13 unique J



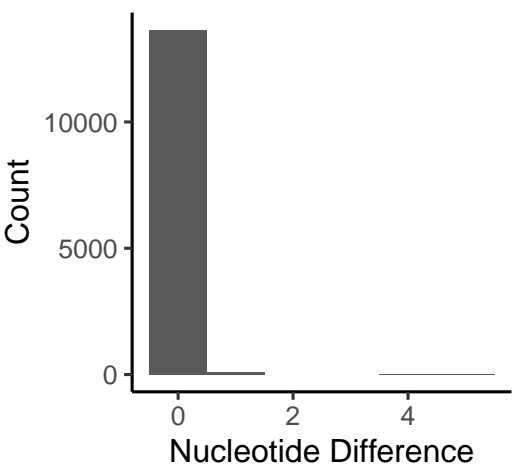
TRBV24-1*ap01

5289 sequences assigned
5219 (98.7%) exact matches, in which:
5111 unique CDR3
13 unique J



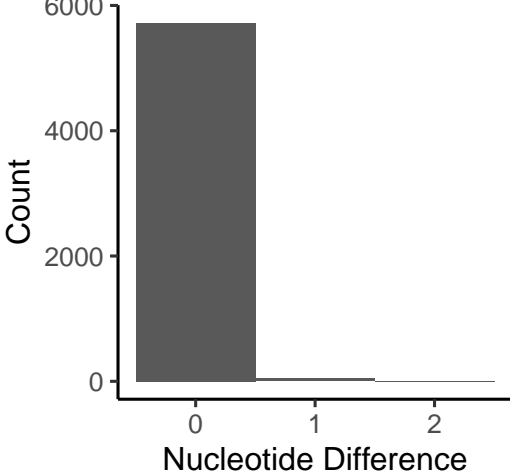
TRBV5-1*ap01

13765 sequences assigned
13648 (99.2%) exact matches, in which:
13358 unique CDR3
13 unique J



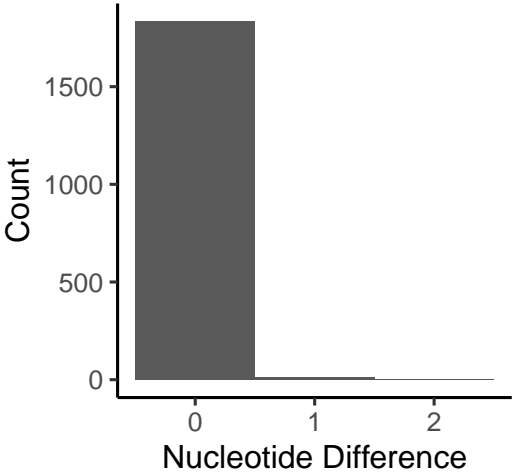
TRBV5-4*ap01

5767 sequences assigned
5719 (99.2%) exact matches, in which:
5591 unique CDR3
13 unique J



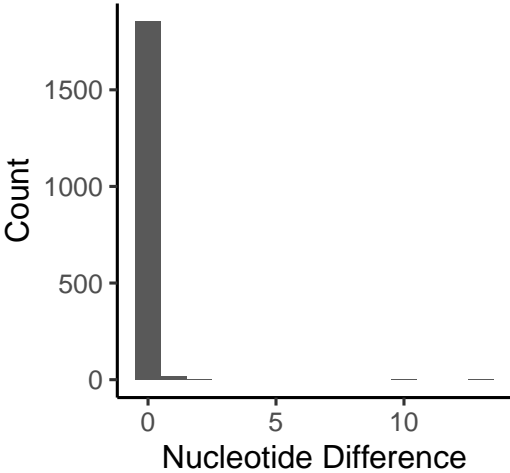
TRBV5-5*ap01

1847 sequences assigned
1834 (99.3%) exact matches, in which:
1822 unique CDR3
13 unique J



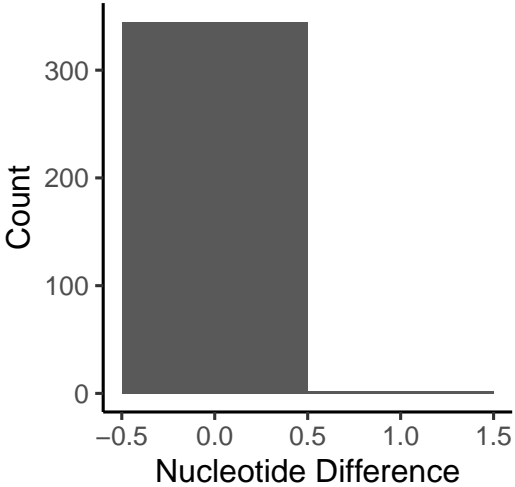
TRBV5-8*ap01

1875 sequences assigned
1854 (98.9%) exact matches, in which:
1821 unique CDR3
13 unique J



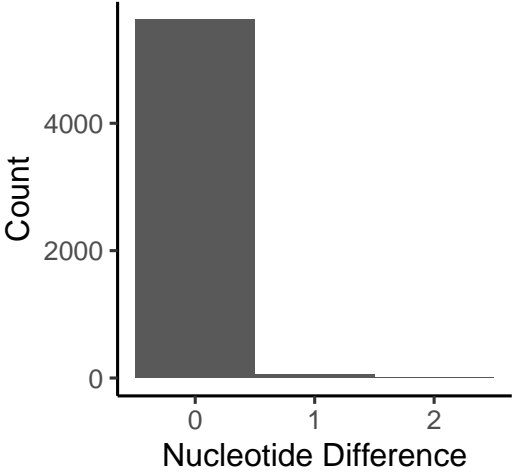
TRBV6-7*ap01

347 sequences assigned
345 (99.4%) exact matches, in which:
341 unique CDR3
13 unique J



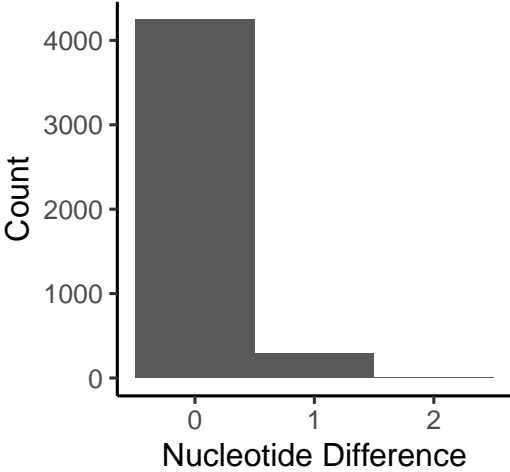
TRBV5-6*ap01

5690 sequences assigned
5626 (98.9%) exact matches, in which:
5465 unique CDR3
13 unique J



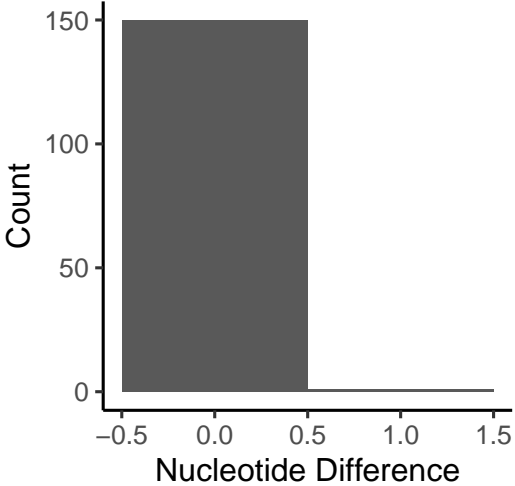
TRBV6-1*ap01

4535 sequences assigned
4245 (93.6%) exact matches, in which:
4152 unique CDR3
13 unique J



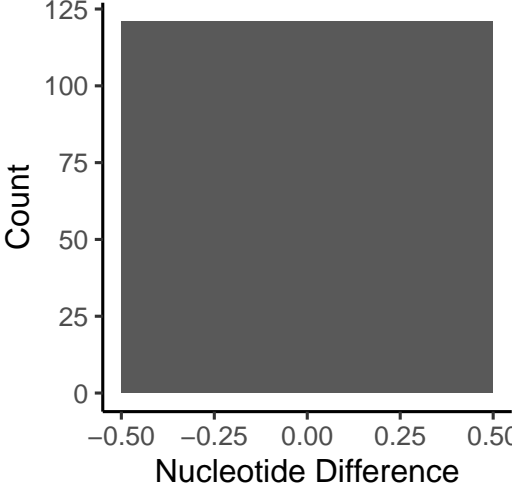
TRBV6-8*ap01

151 sequences assigned
150 (99.3%) exact matches, in which:
145 unique CDR3
13 unique J



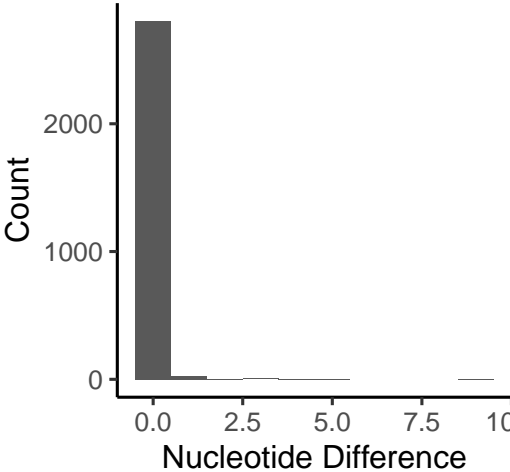
TRBV5-7*ap01

121 sequences assigned
121 (100%) exact matches, in which:
119 unique CDR3
13 unique J



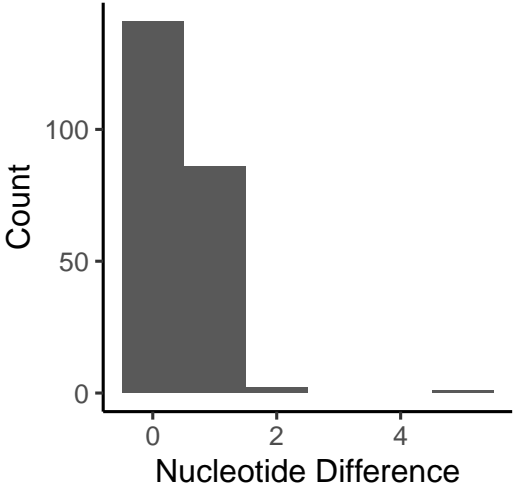
TRBV6-4*ap01

2845 sequences assigned
2804 (98.6%) exact matches, in which:
2761 unique CDR3
13 unique J



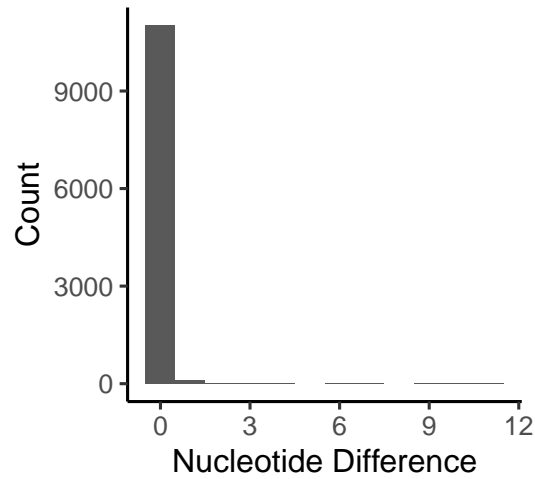
TRBV6-9*ap01

230 sequences assigned
141 (61.3%) exact matches, in which:
136 unique CDR3
13 unique J



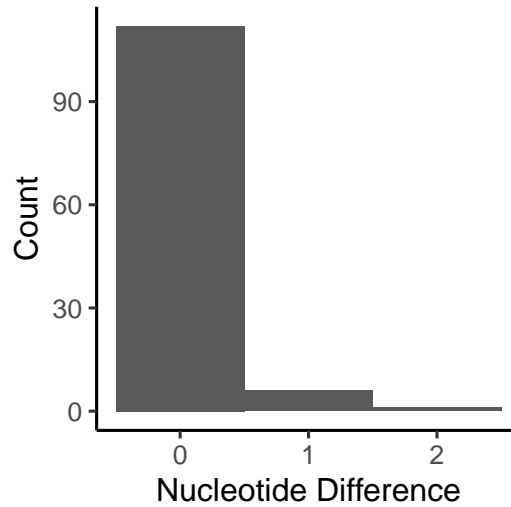
TRBV6-23*ap01

11138 sequences assigned
11017 (98.9%) exact matches, in which:
10717 unique CDR3
13 unique J



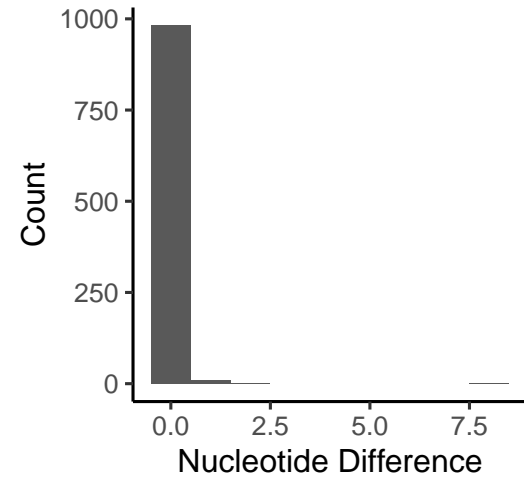
TRBV7-1*ap01_G291C_T

119 sequences assigned
112 (94.1%) exact matches, in which:
111 unique CDR3
13 unique J



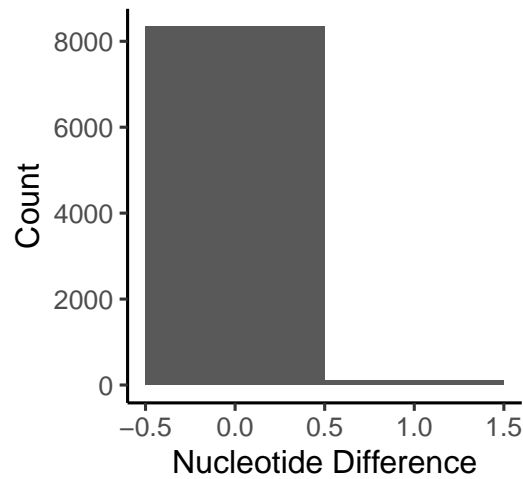
TRBV7-3*ap02

993 sequences assigned
982 (98.9%) exact matches, in which:
971 unique CDR3
13 unique J



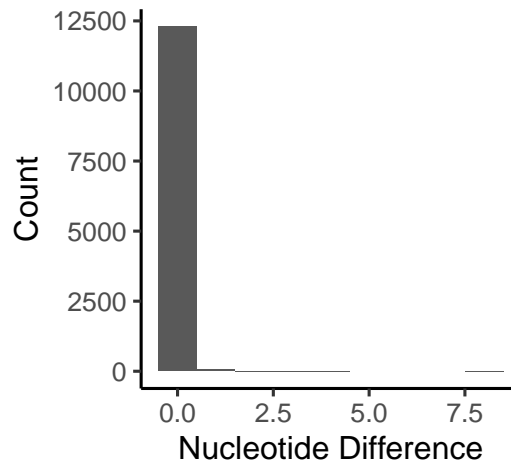
TRBV6-56*ap01

8447 sequences assigned
8339 (98.7%) exact matches, in which:
8132 unique CDR3
13 unique J



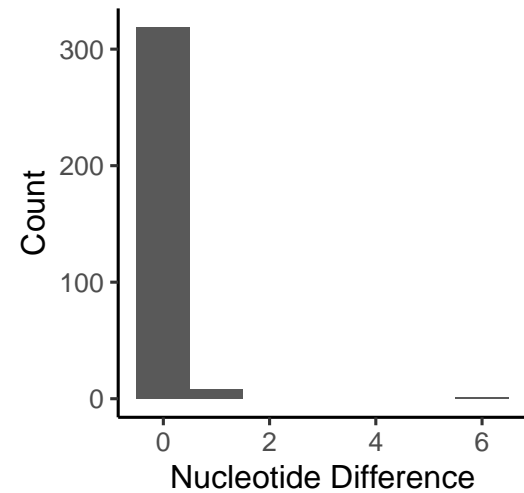
TRBV7-2*ap01

12378 sequences assigned
12301 (99.4%) exact matches, in which:
12140 unique CDR3
13 unique J



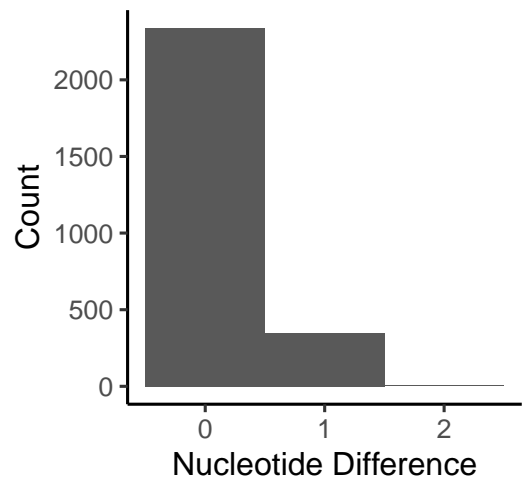
TRBV7-4*ap01

328 sequences assigned
319 (97.3%) exact matches, in which:
317 unique CDR3
13 unique J



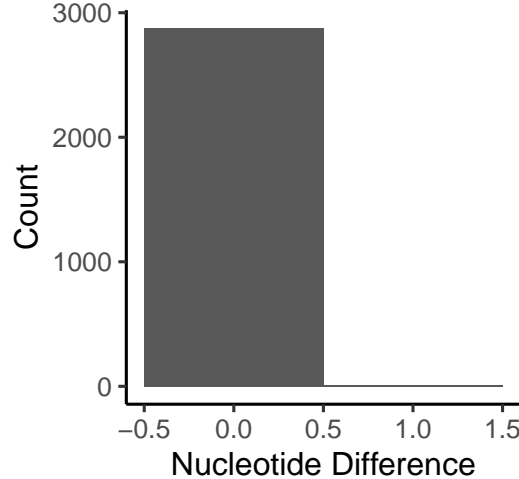
TRBV6-56*ap02

2690 sequences assigned
2338 (86.9%) exact matches, in which:
2288 unique CDR3
13 unique J



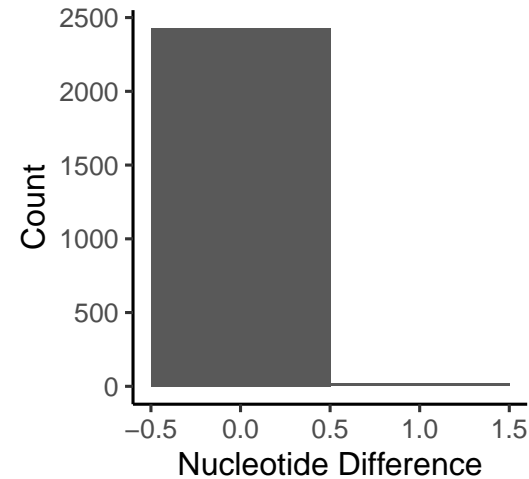
TRBV7-3*ap01

2890 sequences assigned
2877 (99.6%) exact matches, in which:
2848 unique CDR3
13 unique J



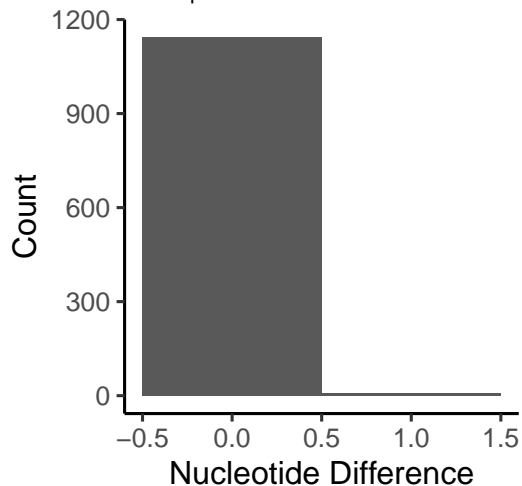
TRBV7-6*ap01

2448 sequences assigned
2429 (99.2%) exact matches, in which:
2388 unique CDR3
13 unique J



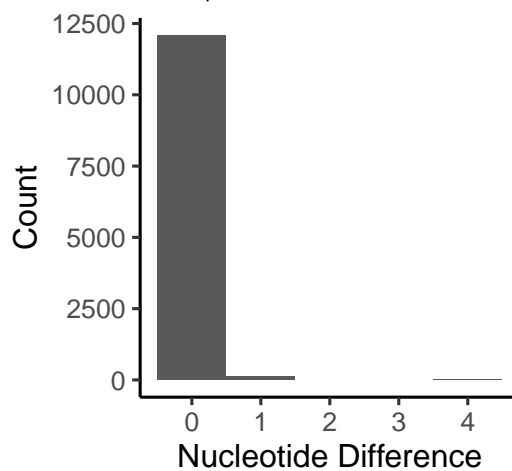
TRBV7-7*ap01_C315T

1150 sequences assigned
1143 (99.4%) exact matches, in which:
1119 unique CDR3
13 unique J



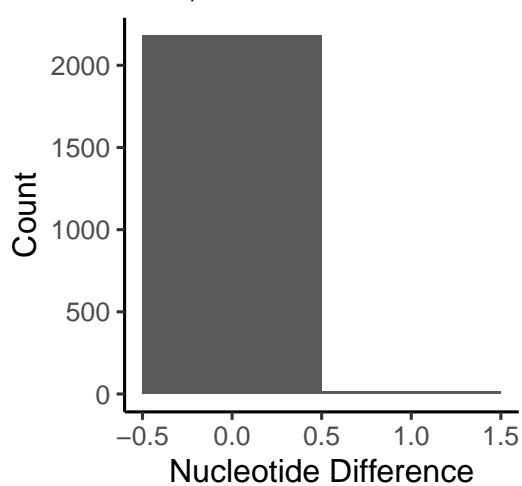
TRBV7-9*ap01

12199 sequences assigned
12092 (99.1%) exact matches, in which:
11906 unique CDR3
13 unique J



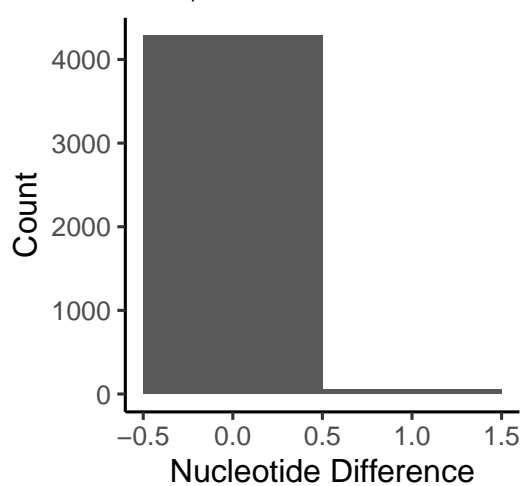
TRBV7-8*ap01

2196 sequences assigned
2180 (99.3%) exact matches, in which:
2154 unique CDR3
13 unique J



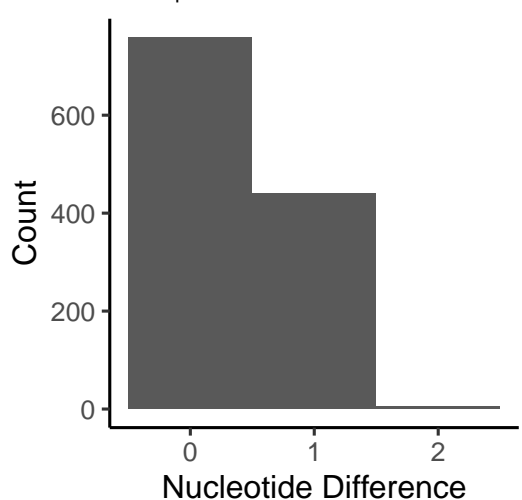
TRBV29-1*ap01

4338 sequences assigned
4284 (98.8%) exact matches, in which:
4184 unique CDR3
13 unique J



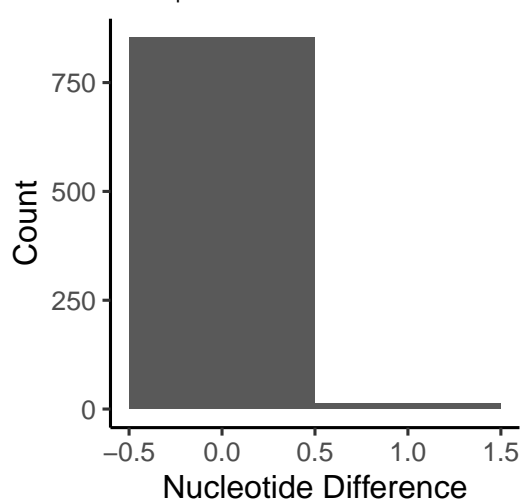
TRBV7-8*ap03

1204 sequences assigned
759 (63%) exact matches, in which:
750 unique CDR3
13 unique J

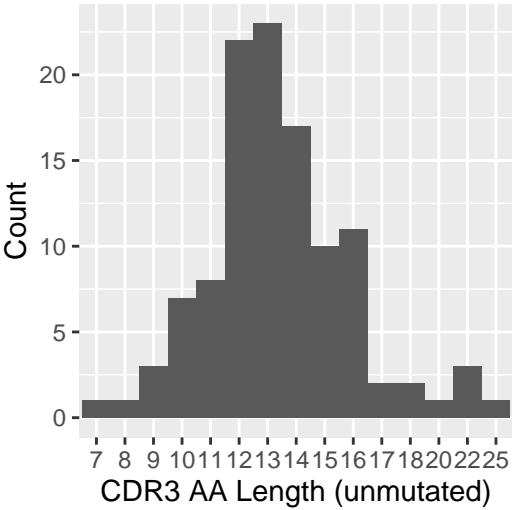


TRBV29-1*ap02

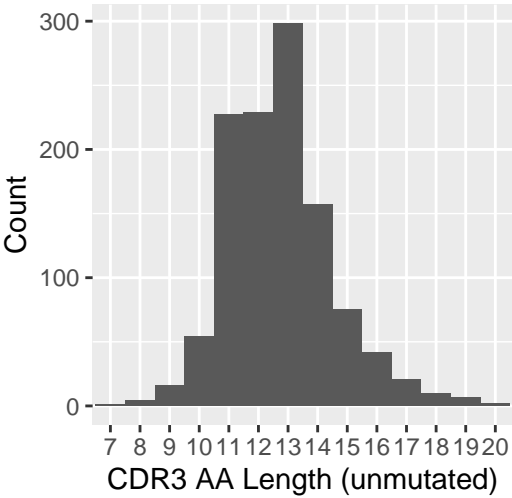
866 sequences assigned
854 (98.6%) exact matches, in which:
833 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]