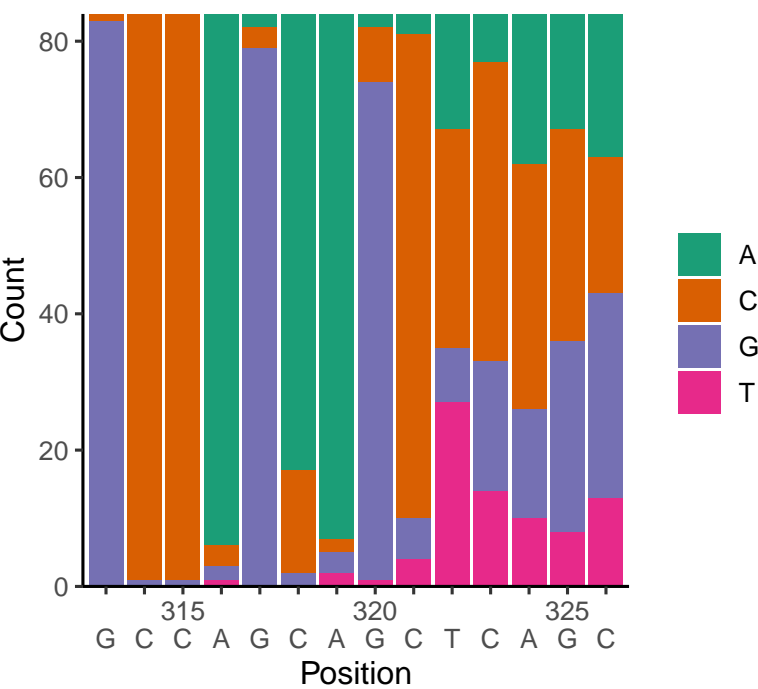
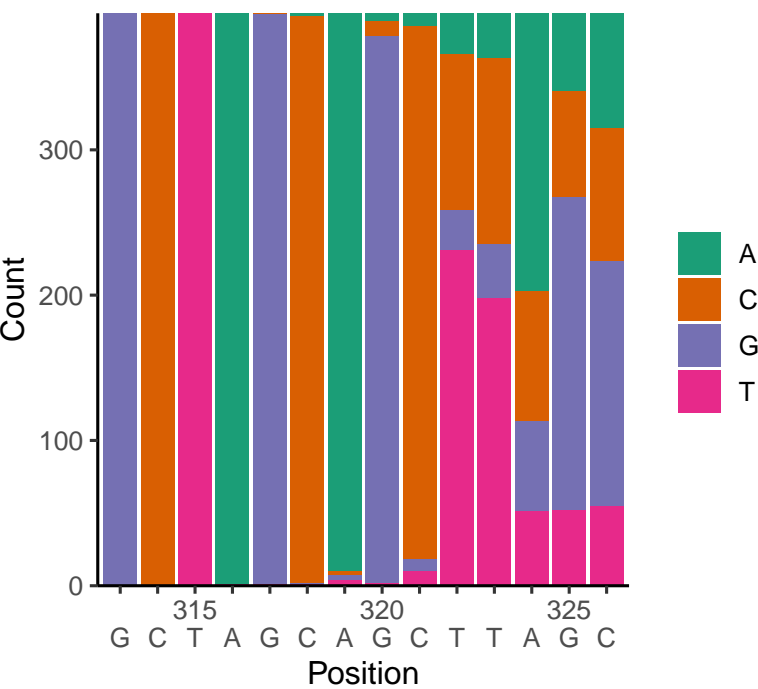


Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



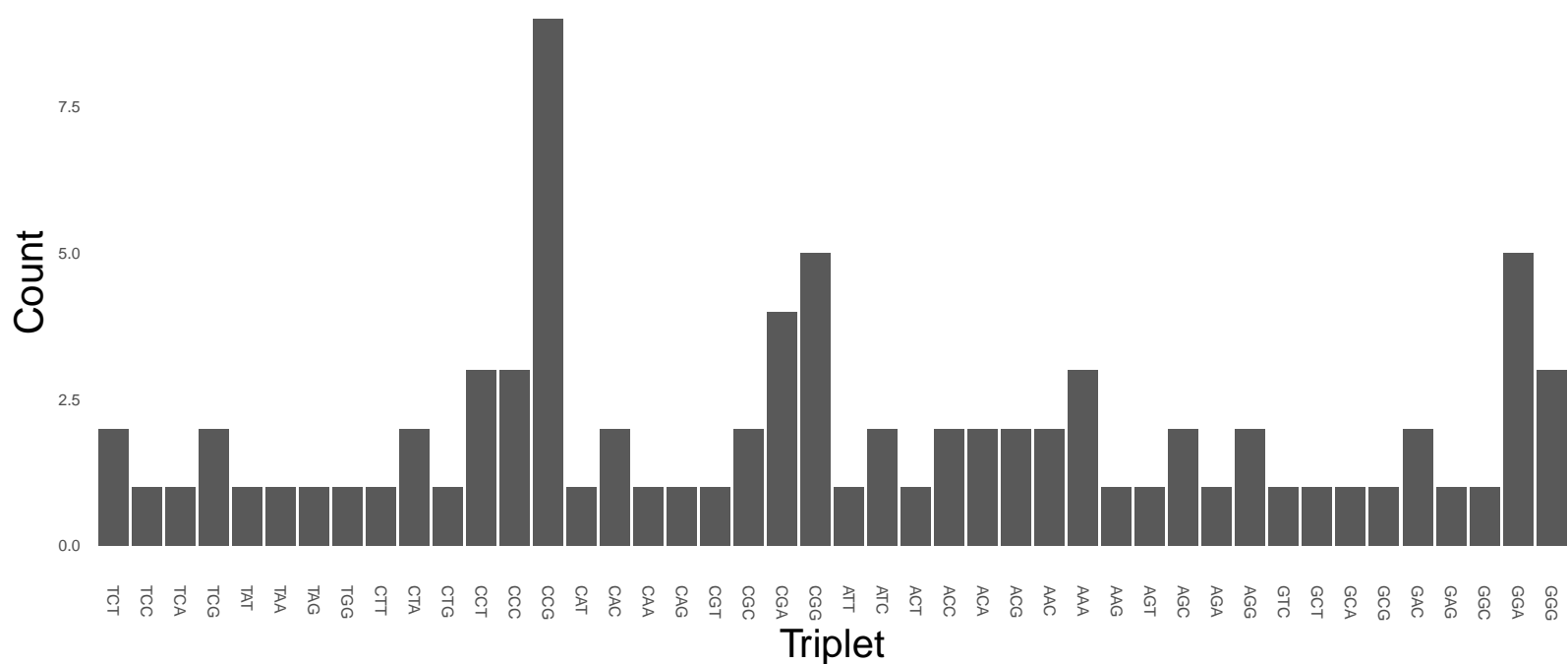
Gene TRBV7-1*ap01_T296C



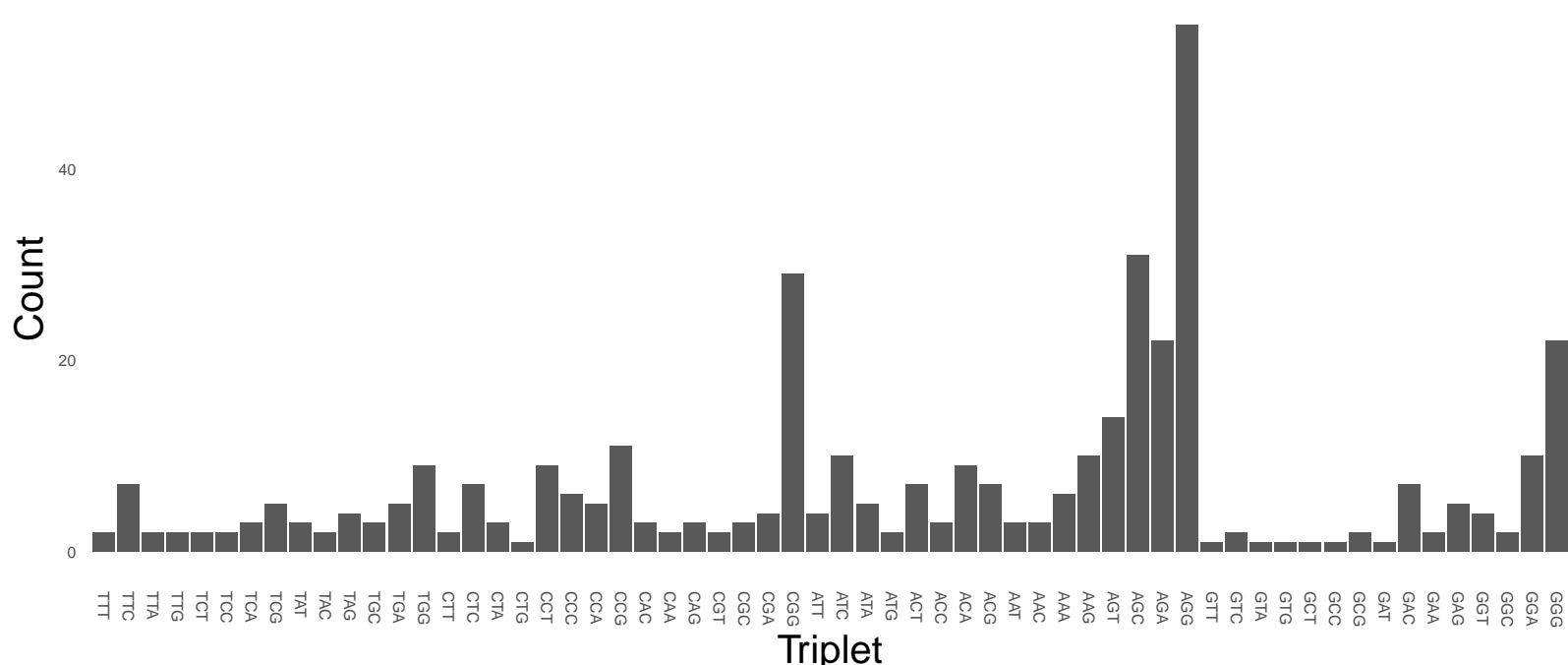
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

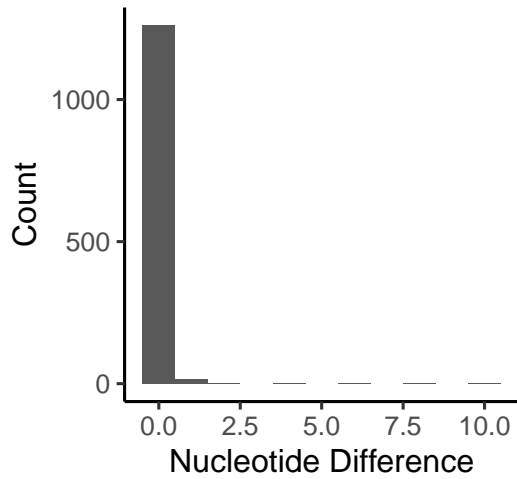


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



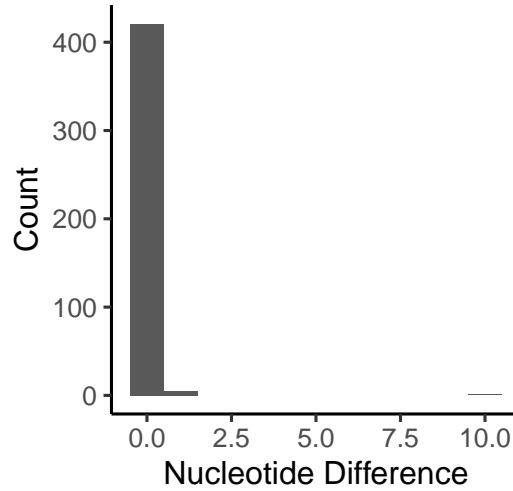
TRBV10-1*ap01

1283 sequences assigned
1261 (98.3%) exact matches, in which:
1230 unique CDR3
14 unique J



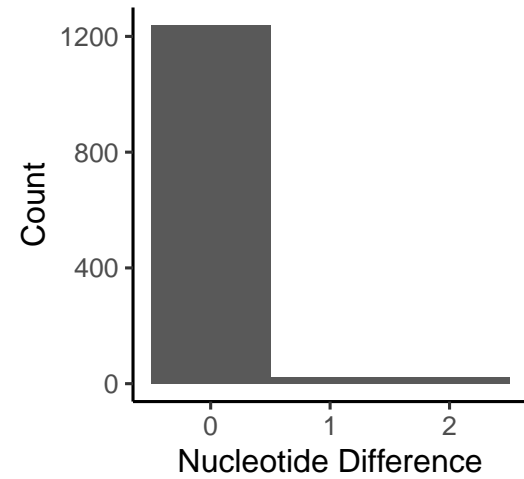
TRBV10-2*ap01

427 sequences assigned
421 (98.6%) exact matches, in which:
414 unique CDR3
13 unique J



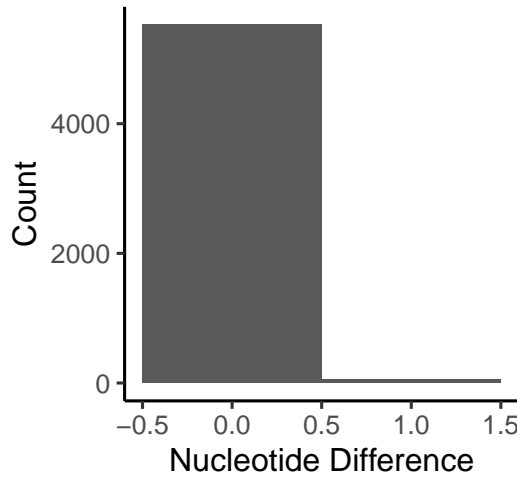
TRBV13*ap01

1282 sequences assigned
1238 (96.6%) exact matches, in which:
1206 unique CDR3
13 unique J



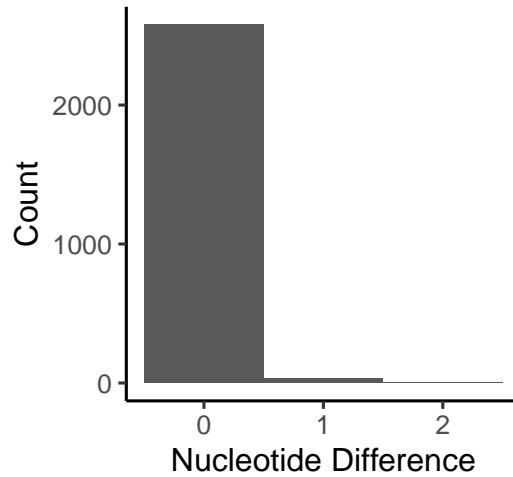
TRBV20-1*ap01

5587 sequences assigned
5527 (98.9%) exact matches, in which:
5459 unique CDR3
13 unique J



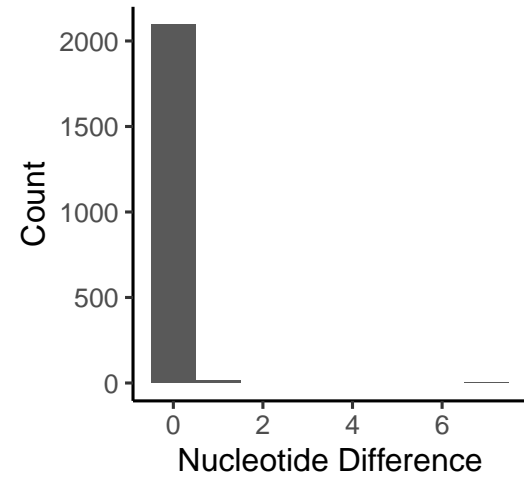
TRBV10-3*ap01

2608 sequences assigned
2578 (98.8%) exact matches, in which:
2532 unique CDR3
13 unique J



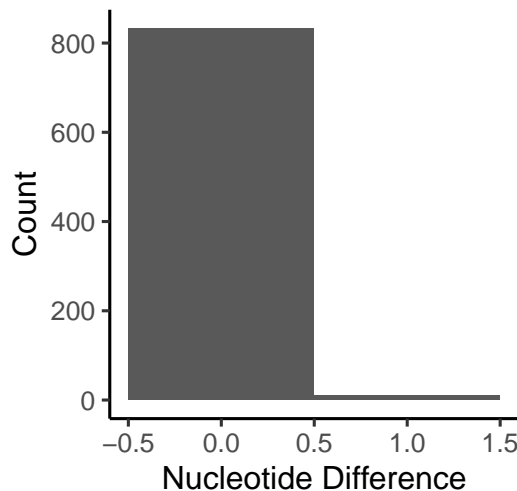
TRBV14*ap01

2108 sequences assigned
2095 (99.4%) exact matches, in which:
2060 unique CDR3
13 unique J



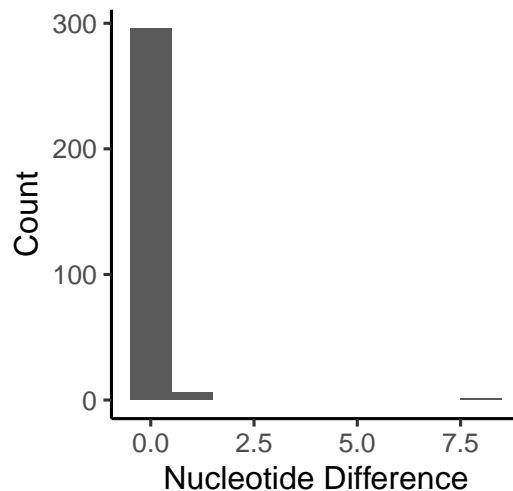
TRBV20-1*ap02

844 sequences assigned
833 (98.7%) exact matches, in which:
823 unique CDR3
13 unique J



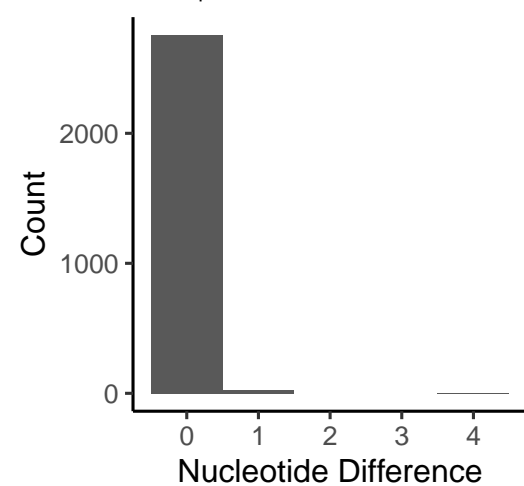
TRBV1*ap01

303 sequences assigned
296 (97.7%) exact matches, in which:
289 unique CDR3
13 unique J



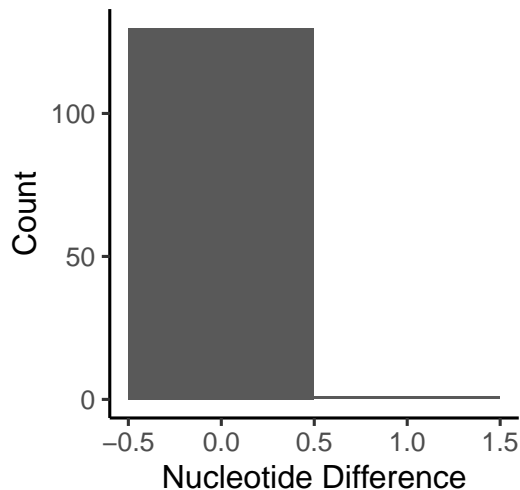
TRBV15*ap02

2783 sequences assigned
2756 (99%) exact matches, in which:
2704 unique CDR3
13 unique J



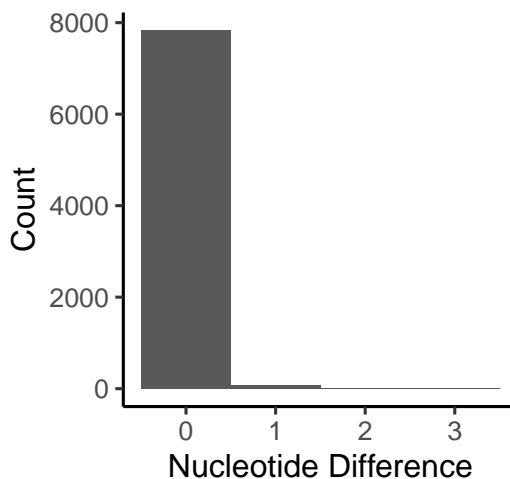
TRBV16*ap01

131 sequences assigned
130 (99.2%) exact matches, in which:
129 unique CDR3
13 unique J



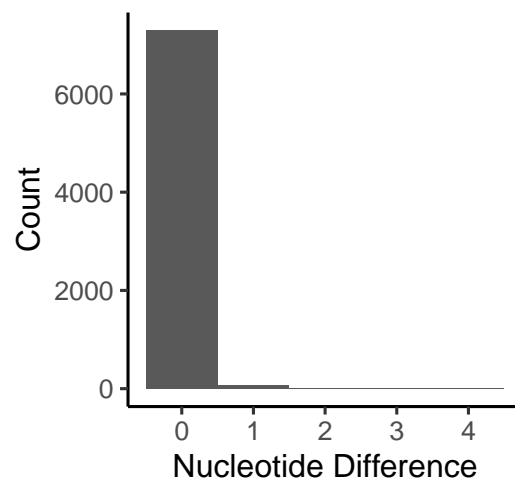
TRBV19*ap01

7912 sequences assigned
7831 (99%) exact matches, in which:
7774 unique CDR3
13 unique J



TRBV28*ap01

7360 sequences assigned
7293 (99.1%) exact matches, in which:
7196 unique CDR3
13 unique J



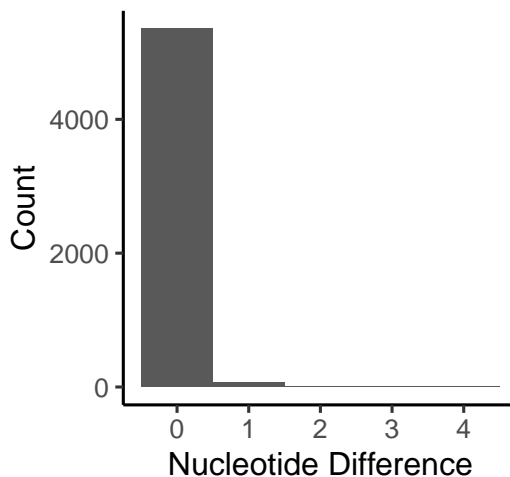
TRBV17*ap01

1 sequences assigned
No exact matches.



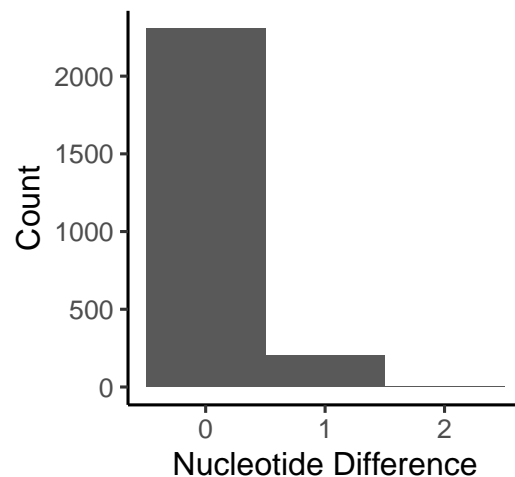
TRBV2*ap01

5432 sequences assigned
5354 (98.6%) exact matches, in which:
5236 unique CDR3
13 unique J



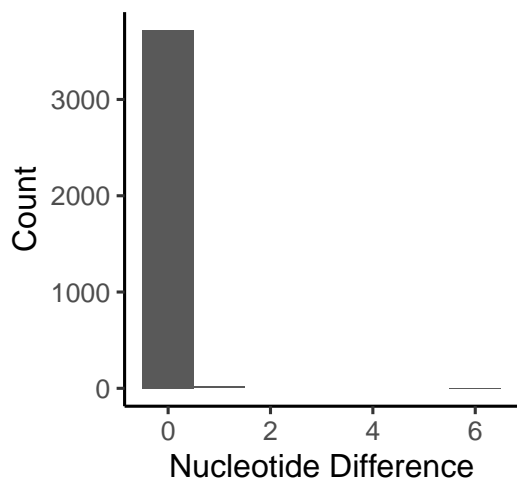
TRBV30*ap01

2510 sequences assigned
2305 (91.8%) exact matches, in which:
2265 unique CDR3
13 unique J



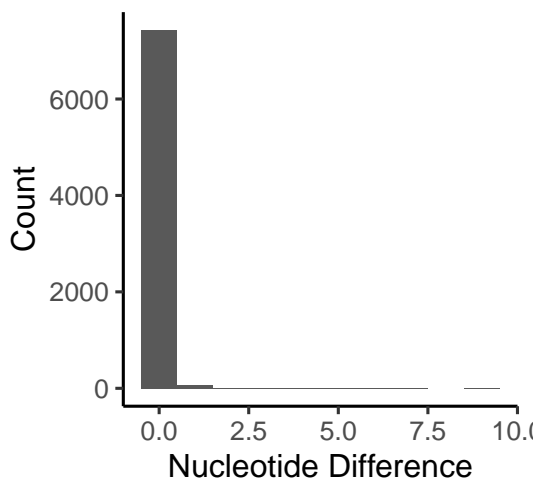
TRBV18*ap01

3742 sequences assigned
3721 (99.4%) exact matches, in which:
3689 unique CDR3
13 unique J



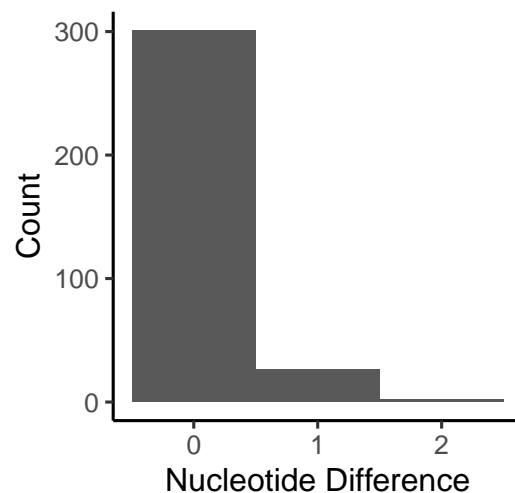
TRBV27*ap01

7516 sequences assigned
7430 (98.9%) exact matches, in which:
7255 unique CDR3
13 unique J



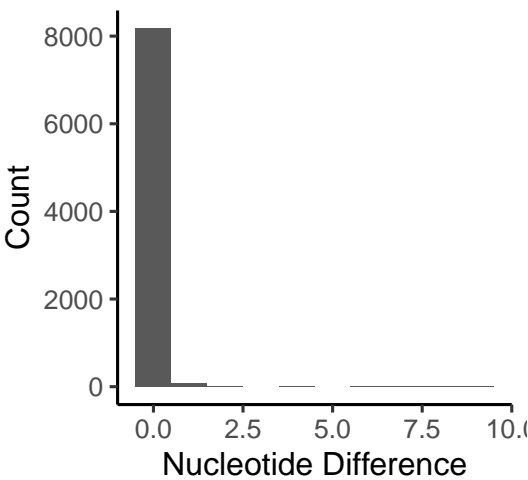
TRBV30*ap03

329 sequences assigned
301 (91.5%) exact matches, in which:
295 unique CDR3
12 unique J



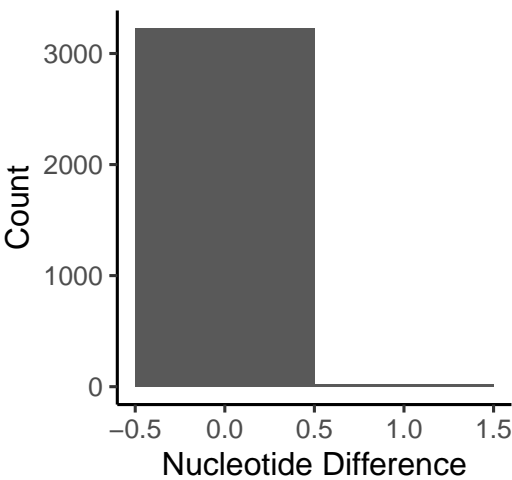
TRBV9*ap01

8257 sequences assigned
8176 (99%) exact matches, in which:
8068 unique CDR3
13 unique J



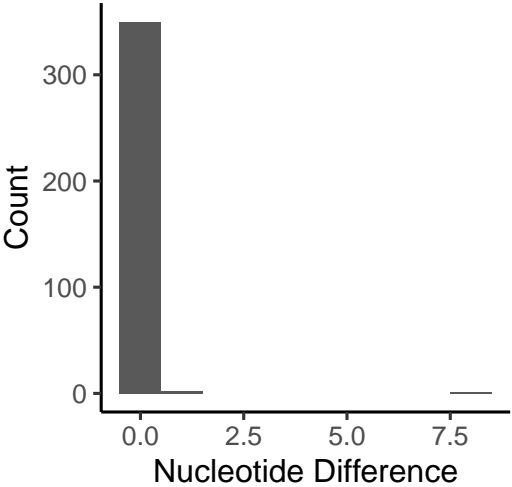
TRBV11-2*ap01

3253 sequences assigned
3226 (99.2%) exact matches, in which:
3169 unique CDR3
13 unique J



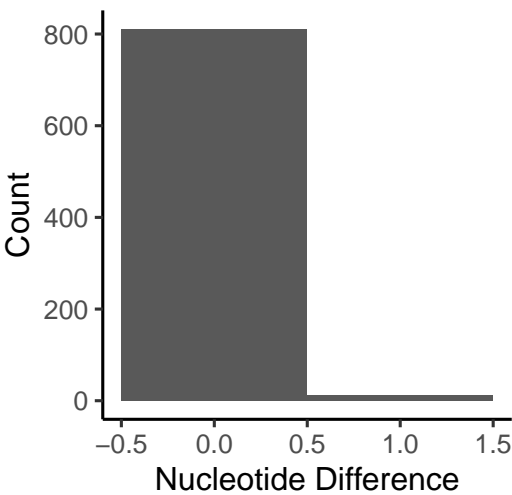
TRBV12-2*ap01

353 sequences assigned
350 (99.2%) exact matches, in which:
342 unique CDR3
13 unique J



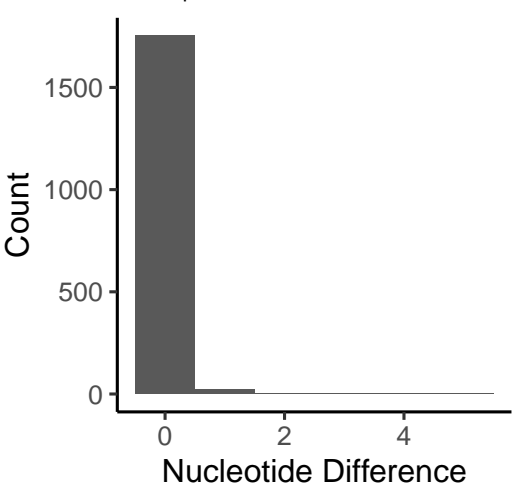
TRBV11-1*ap01

822 sequences assigned
811 (98.7%) exact matches, in which:
792 unique CDR3
13 unique J



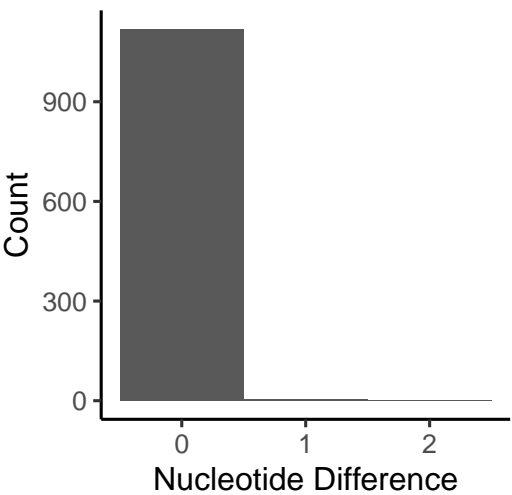
TRBV11-3*ap01

1779 sequences assigned
1753 (98.5%) exact matches, in which:
1732 unique CDR3
13 unique J



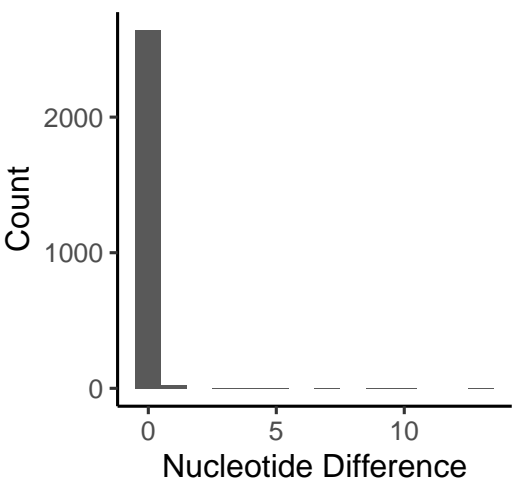
TRBV12-5*ap01

1125 sequences assigned
1119 (99.5%) exact matches, in which:
1109 unique CDR3
13 unique J



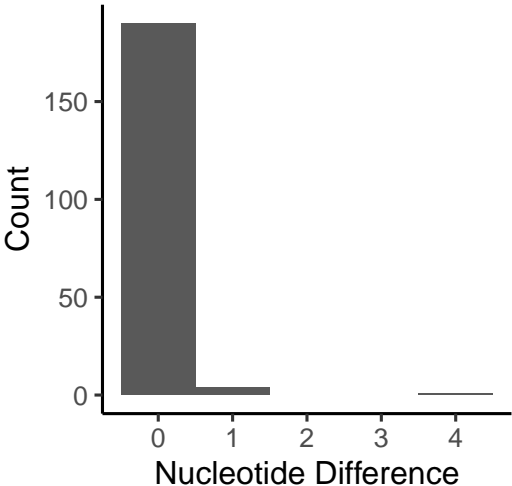
TRBV21-1*ap01

2678 sequences assigned
2642 (98.7%) exact matches, in which:
2614 unique CDR3
13 unique J



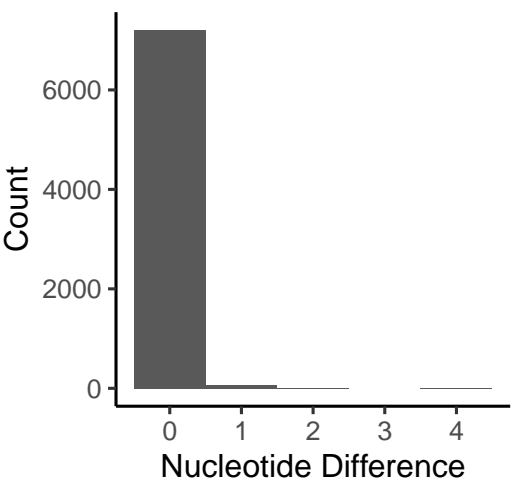
TRBV12-1*ap01

195 sequences assigned
190 (97.4%) exact matches, in which:
187 unique CDR3
13 unique J



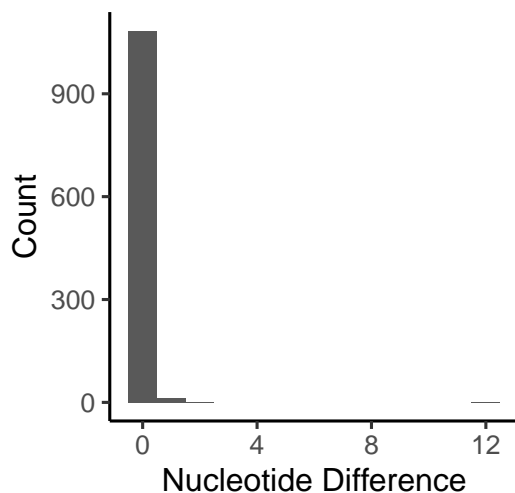
TRBV12-34*ap01

7271 sequences assigned
7204 (99.1%) exact matches, in which:
7108 unique CDR3
13 unique J



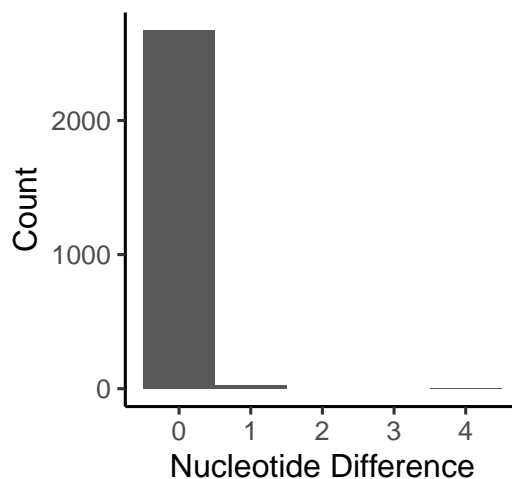
TRBV23-1*ap01

1100 sequences assigned
1084 (98.5%) exact matches, in which:
1071 unique CDR3
13 unique J



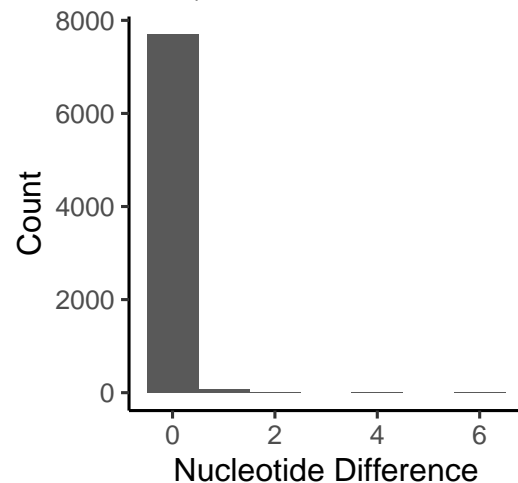
TRBV4-1*ap01

2701 sequences assigned
2672 (98.9%) exact matches, in which:
2604 unique CDR3
13 unique J



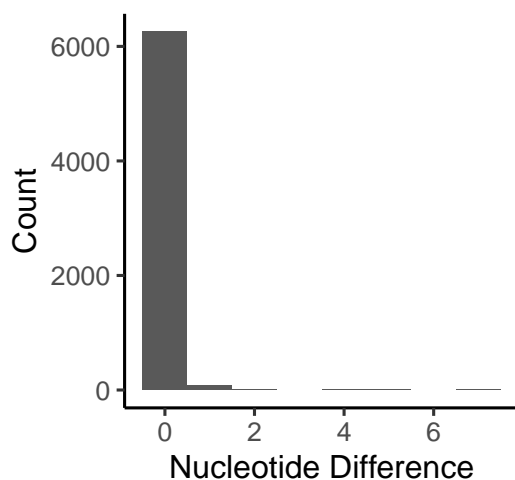
TRBV5-1*ap01

7783 sequences assigned
7698 (98.9%) exact matches, in which:
7492 unique CDR3
13 unique J



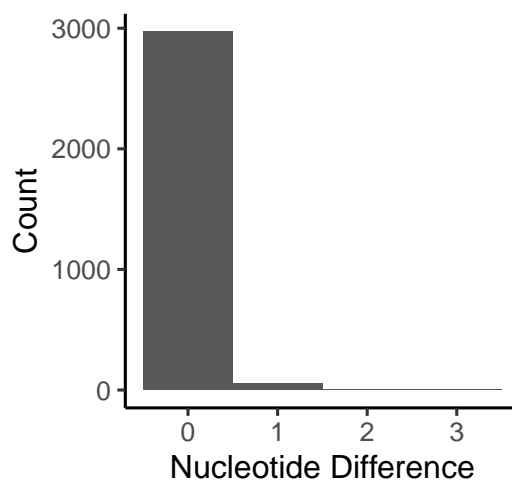
TRBV3-12*ap01

6351 sequences assigned
6256 (98.5%) exact matches, in which:
6139 unique CDR3
13 unique J



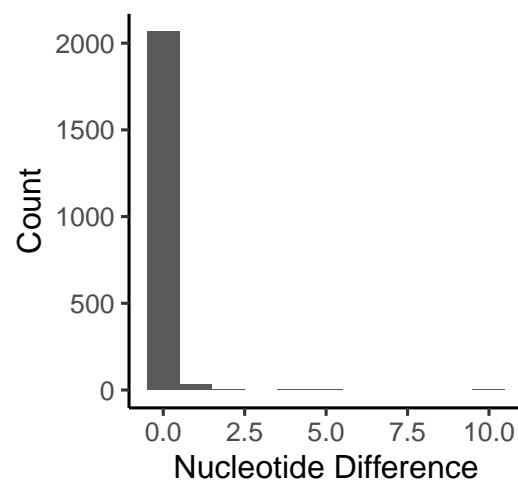
TRBV4-2*ap01

3031 sequences assigned
2971 (98%) exact matches, in which:
2920 unique CDR3
13 unique J



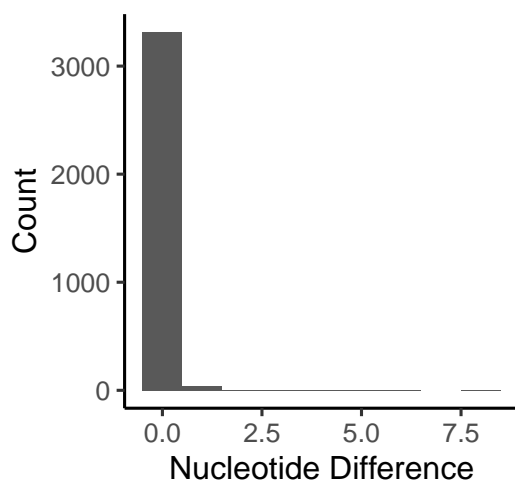
TRBV25-1*ap01

2100 sequences assigned
2066 (98.4%) exact matches, in which:
2028 unique CDR3
13 unique J



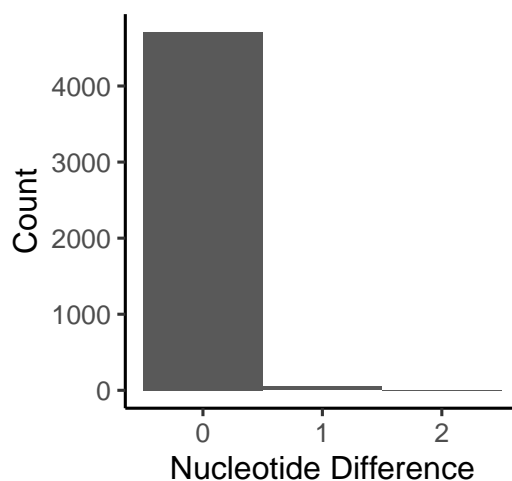
TRBV24-1*ap01

3364 sequences assigned
3315 (98.5%) exact matches, in which:
3256 unique CDR3
13 unique J



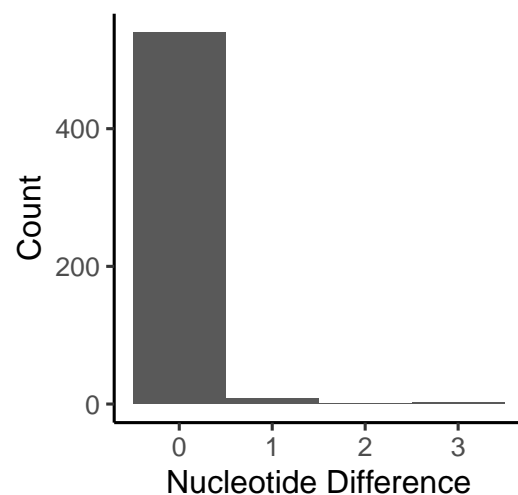
TRBV4-3*ap01

4766 sequences assigned
4709 (98.8%) exact matches, in which:
4618 unique CDR3
13 unique J



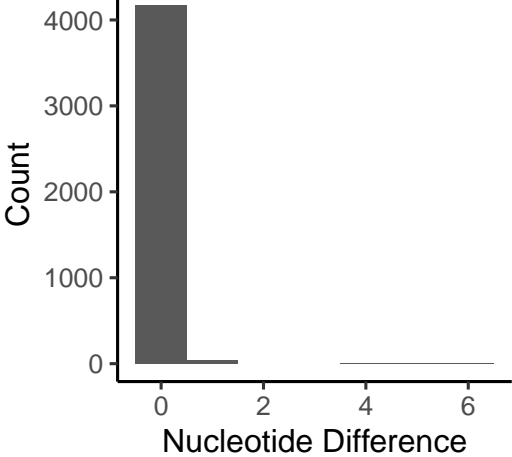
TRBV5-3*ap01

551 sequences assigned
540 (98%) exact matches, in which:
531 unique CDR3
13 unique J



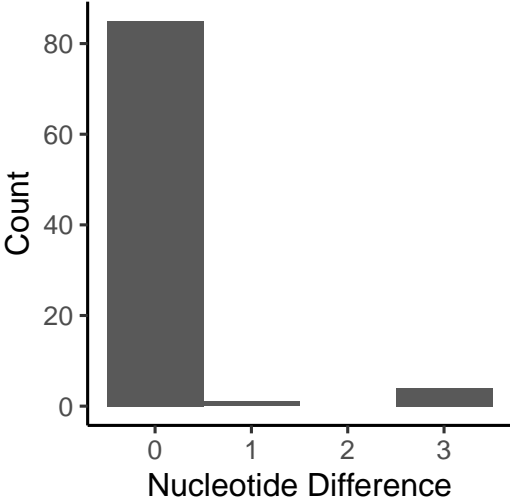
TRBV5-4*ap01

4216 sequences assigned
4169 (98.9%) exact matches, in which:
4079 unique CDR3
13 unique J



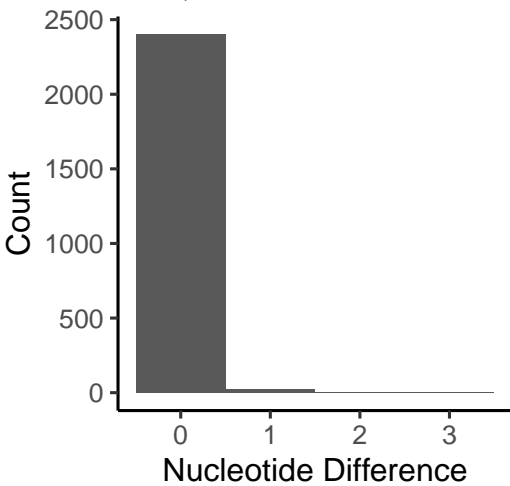
TRBV5-7*ap01

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



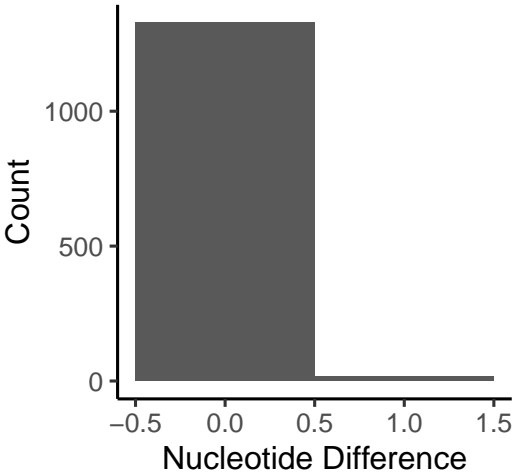
TRBV6-4*ap01

2434 sequences assigned
2401 (98.6%) exact matches, in which:
2374 unique CDR3
14 unique J



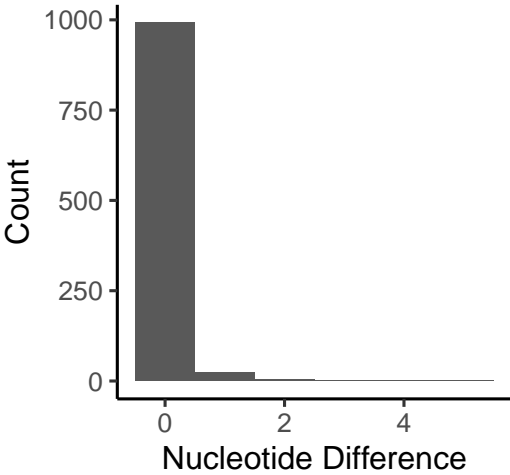
TRBV5-5*ap01

1344 sequences assigned
1328 (98.8%) exact matches, in which:
1311 unique CDR3
13 unique J



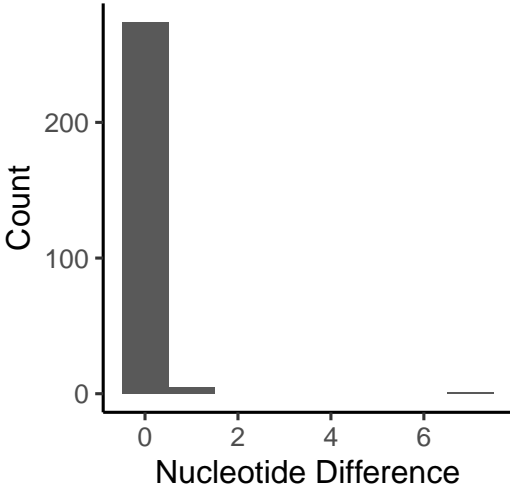
TRBV5-8*ap01

1022 sequences assigned
992 (97.1%) exact matches, in which:
974 unique CDR3
13 unique J



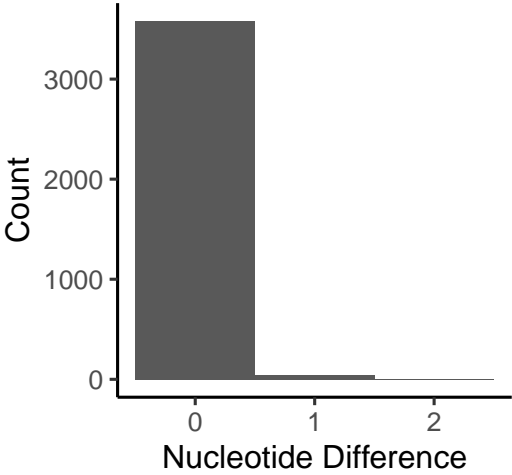
TRBV6-7*ap01

280 sequences assigned
274 (97.9%) exact matches, in which:
270 unique CDR3
13 unique J



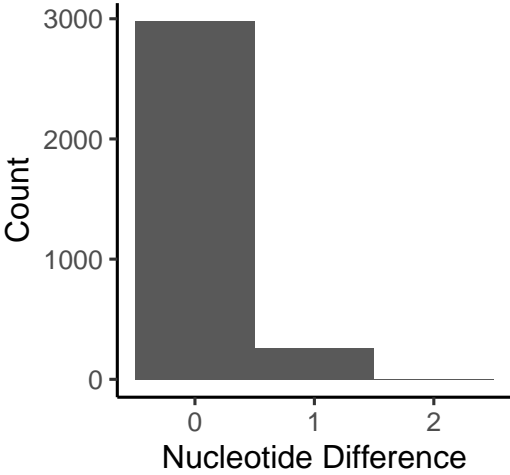
TRBV5-6*ap01

3623 sequences assigned
3580 (98.8%) exact matches, in which:
3486 unique CDR3
13 unique J



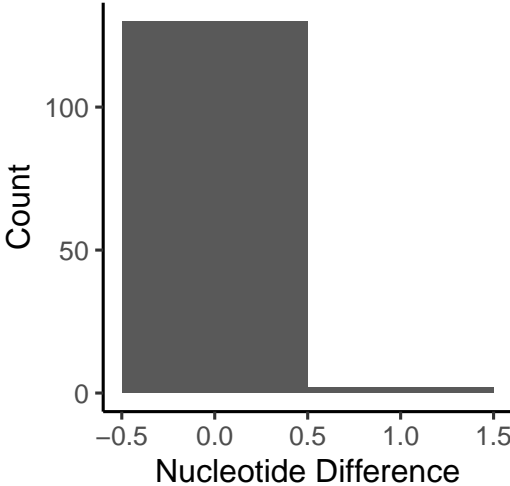
TRBV6-1*ap01

3243 sequences assigned
2981 (91.9%) exact matches, in which:
2903 unique CDR3
13 unique J



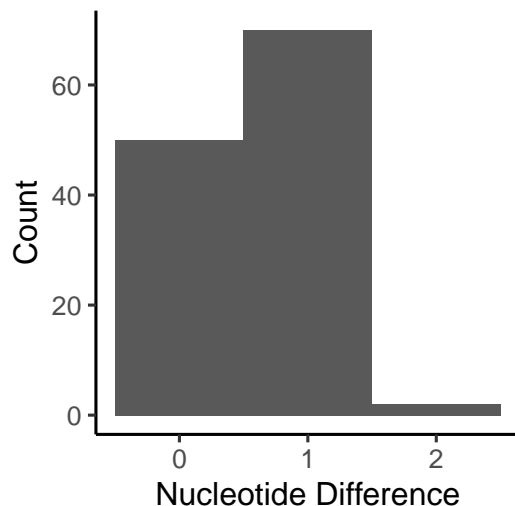
TRBV6-8*ap01

132 sequences assigned
130 (98.5%) exact matches, in which:
127 unique CDR3
12 unique J



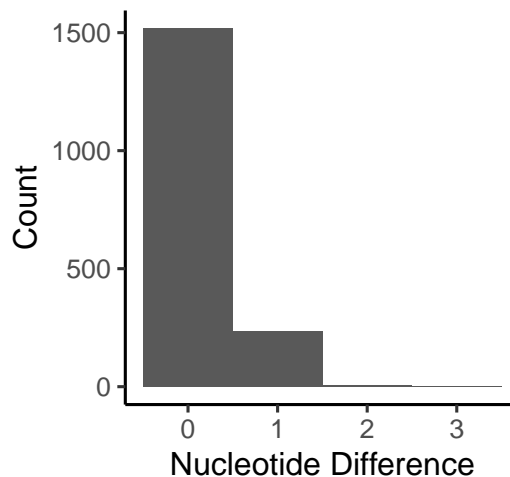
TRBV6-9*ap01

122 sequences assigned
50 (41%) exact matches, in which:
47 unique CDR3
11 unique J



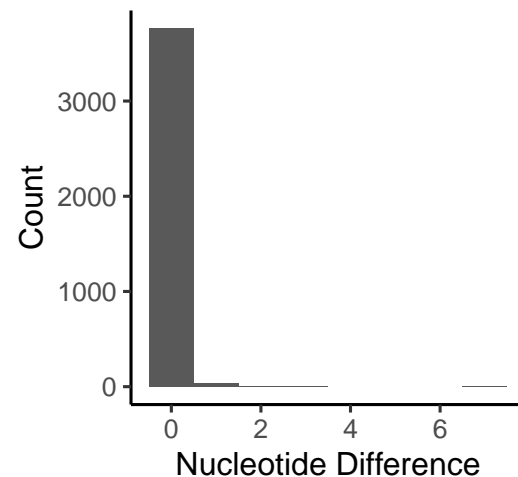
TRBV6-56*ap02

1759 sequences assigned
1518 (86.3%) exact matches, in which:
1483 unique CDR3
13 unique J



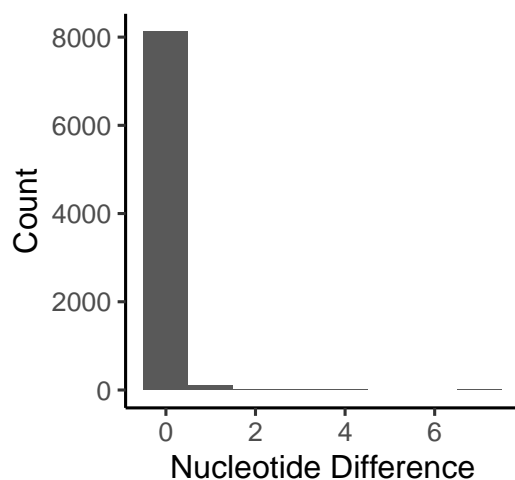
TRBV7-3*ap01

3803 sequences assigned
3763 (98.9%) exact matches, in which:
3725 unique CDR3
13 unique J



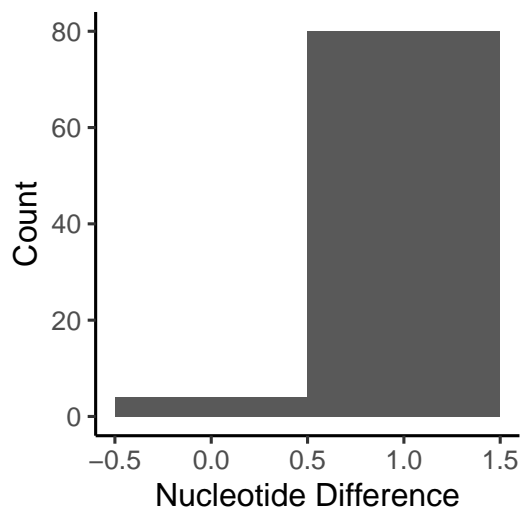
TRBV6-23*ap01

8232 sequences assigned
8122 (98.7%) exact matches, in which:
7916 unique CDR3
13 unique J



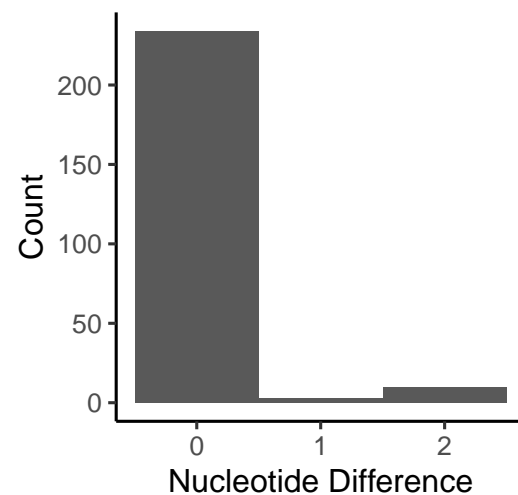
TRBV7-1*ap01_T296C

84 sequences assigned
4 (4.8%) exact matches, in which:
4 unique CDR3
3 unique J



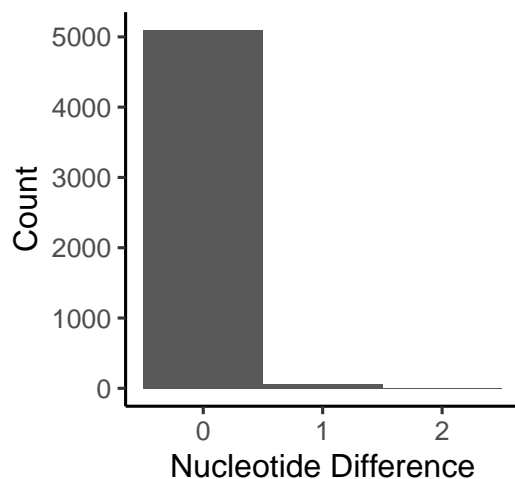
TRBV7-4*ap01

247 sequences assigned
234 (94.7%) exact matches, in which:
232 unique CDR3
13 unique J



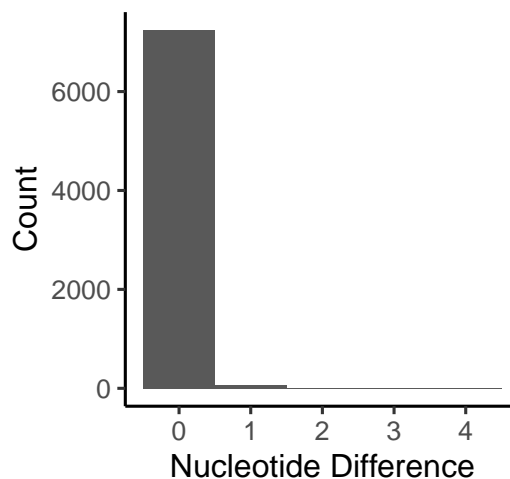
TRBV6-56*ap01

5166 sequences assigned
5097 (98.7%) exact matches, in which:
4975 unique CDR3
13 unique J



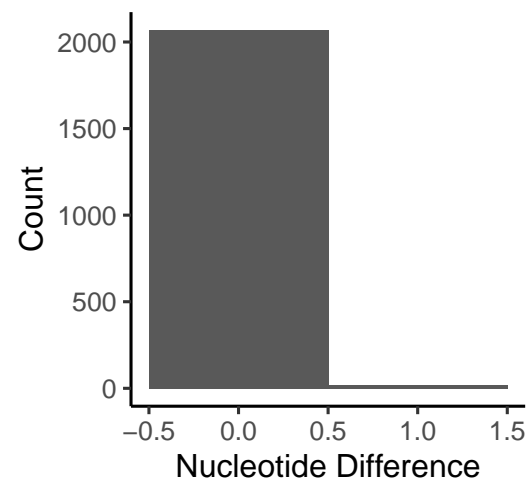
TRBV7-2*ap01

7320 sequences assigned
7244 (99%) exact matches, in which:
7161 unique CDR3
13 unique J



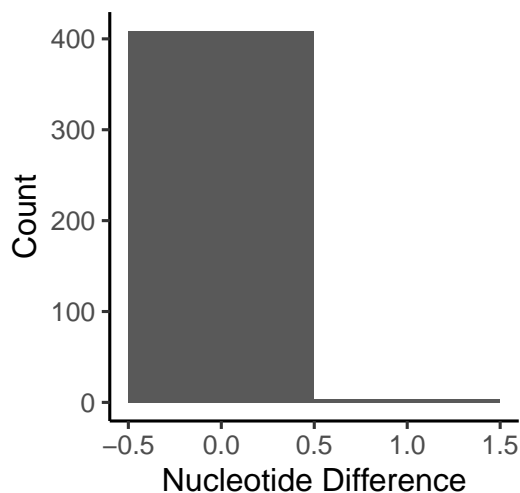
TRBV7-6*ap01

2087 sequences assigned
2069 (99.1%) exact matches, in which:
2019 unique CDR3
13 unique J



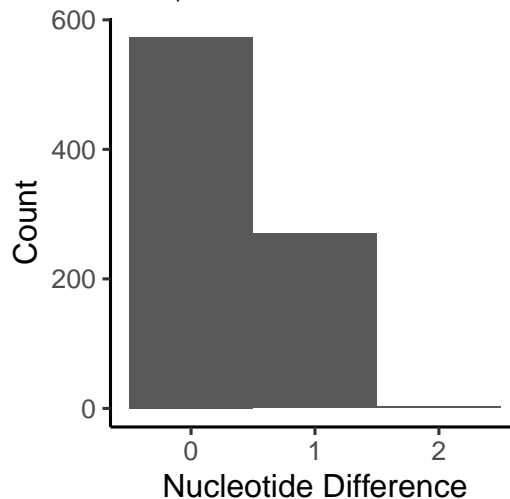
TRBV7-7*ap01

413 sequences assigned
409 (99%) exact matches, in which:
400 unique CDR3
13 unique J



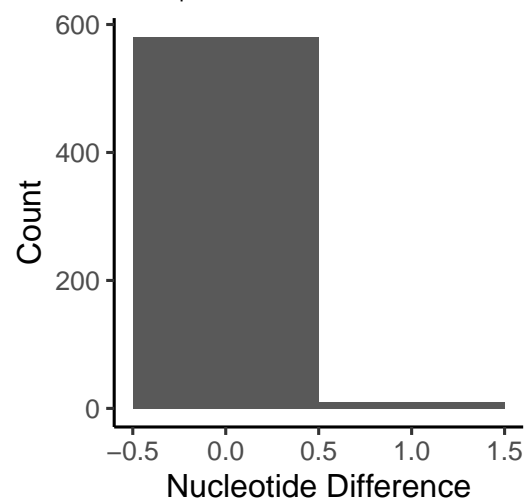
TRBV7-8*ap03

847 sequences assigned
574 (67.8%) exact matches, in which:
566 unique CDR3
13 unique J



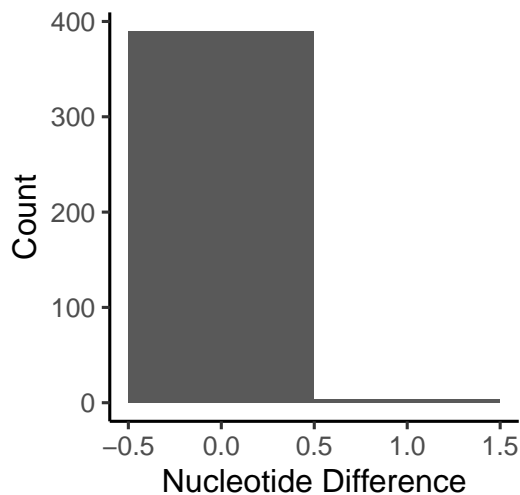
TRBV29-1*ap02

591 sequences assigned
581 (98.3%) exact matches, in which:
576 unique CDR3
13 unique J



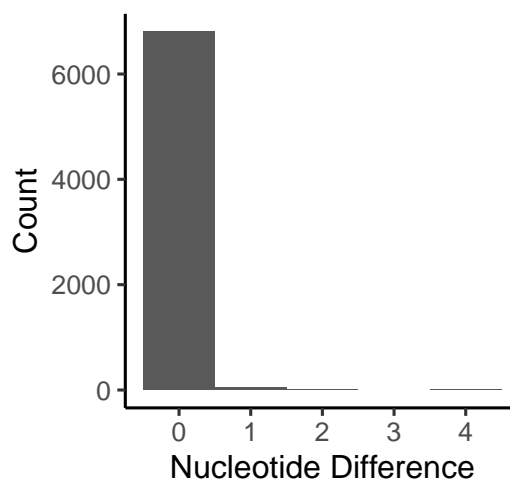
TRBV7-7*ap01_C315T

394 sequences assigned
390 (99%) exact matches, in which:
384 unique CDR3
13 unique J



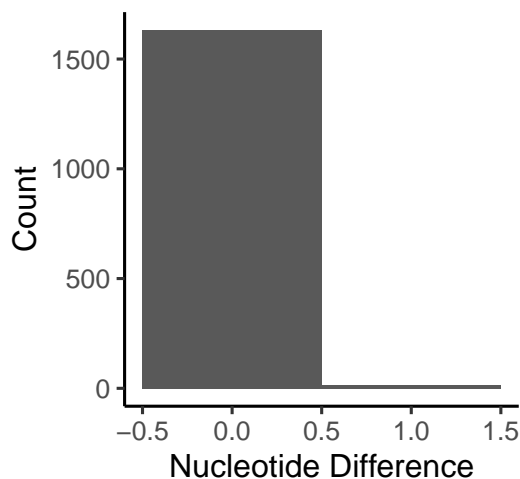
TRBV7-9*ap01

6862 sequences assigned
6803 (99.1%) exact matches, in which:
6707 unique CDR3
13 unique J



TRBV7-8*ap01

1647 sequences assigned
1632 (99.1%) exact matches, in which:
1603 unique CDR3
13 unique J



TRBV29-1*ap01

3038 sequences assigned
3003 (98.8%) exact matches, in which:
2930 unique CDR3
13 unique J

