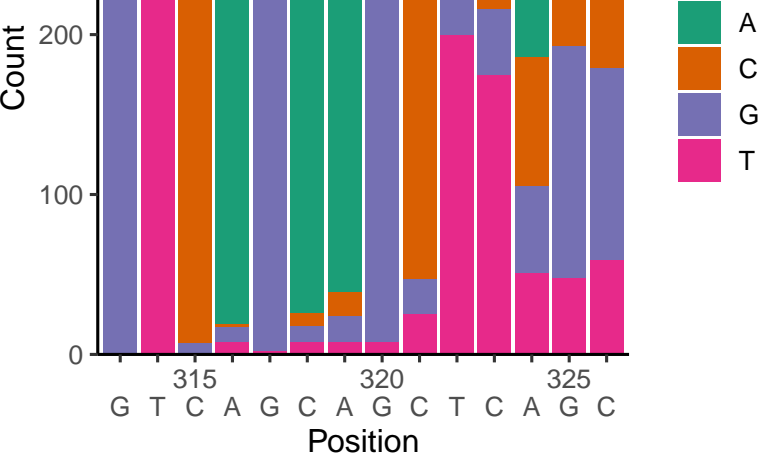
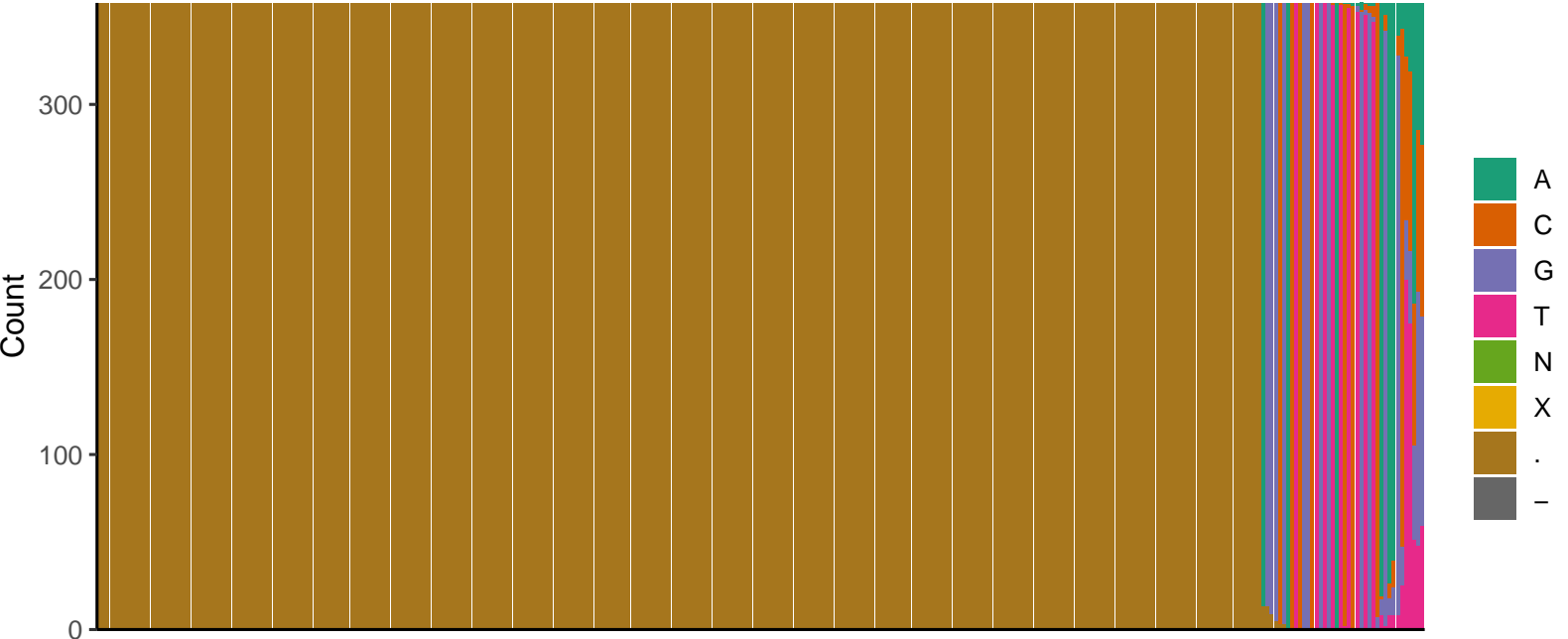


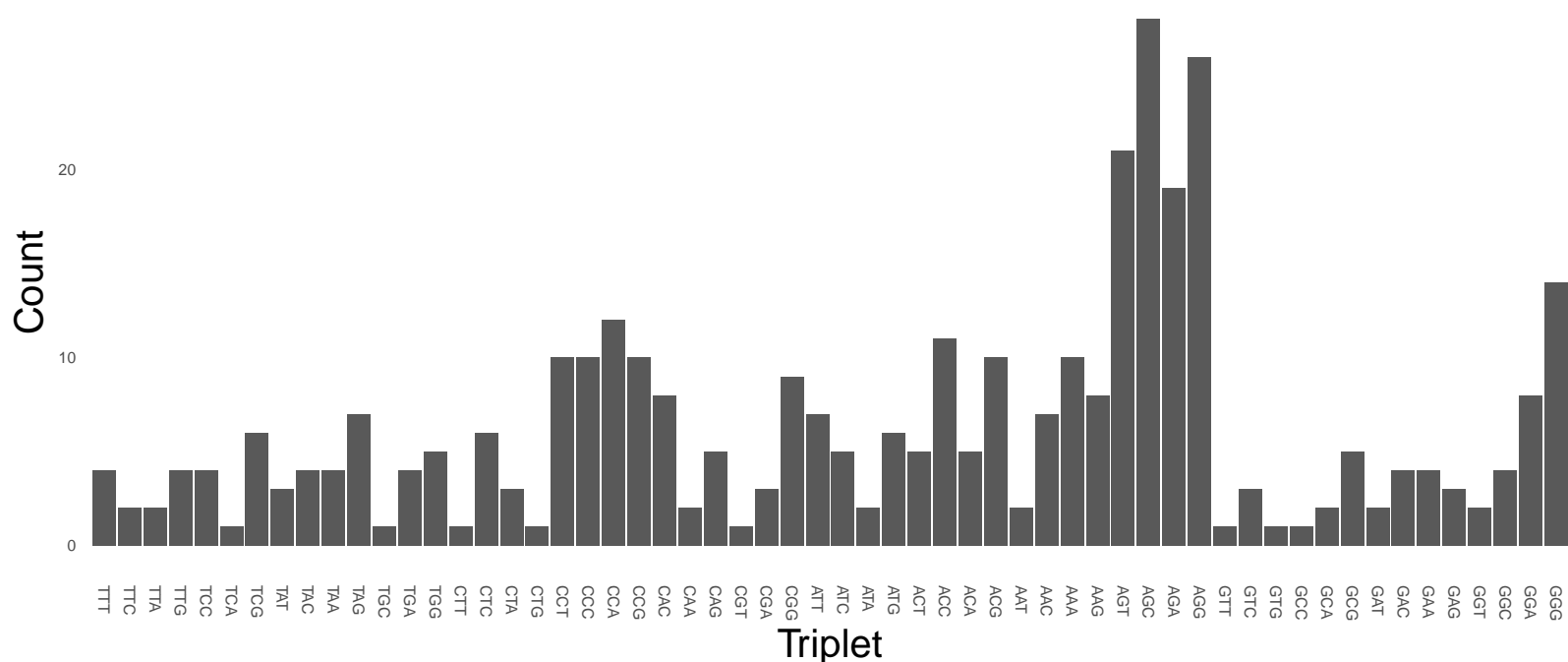
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

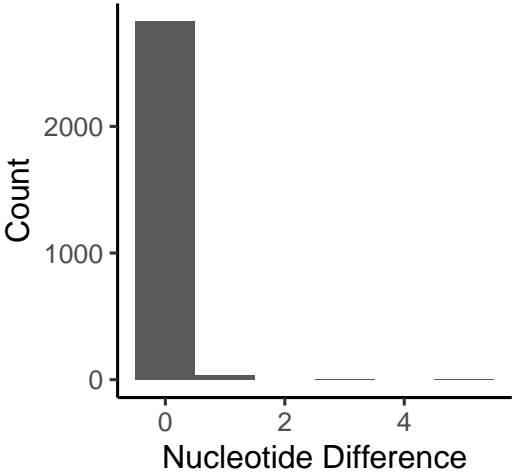


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



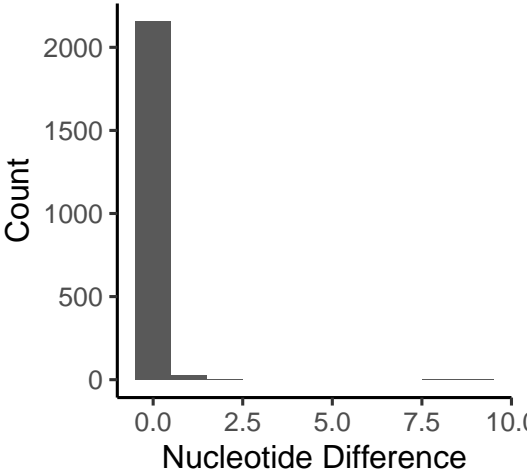
TRBV10-1*ap01

2866 sequences assigned
2829 (98.7%) exact matches, in which:
2778 unique CDR3
13 unique J



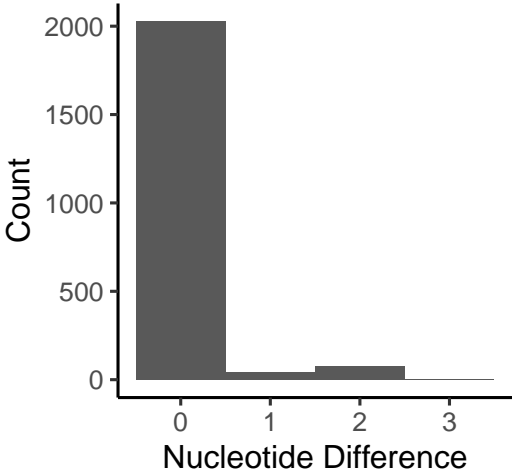
TRBV10-2*ap01

2188 sequences assigned
2156 (98.5%) exact matches, in which:
2116 unique CDR3
13 unique J



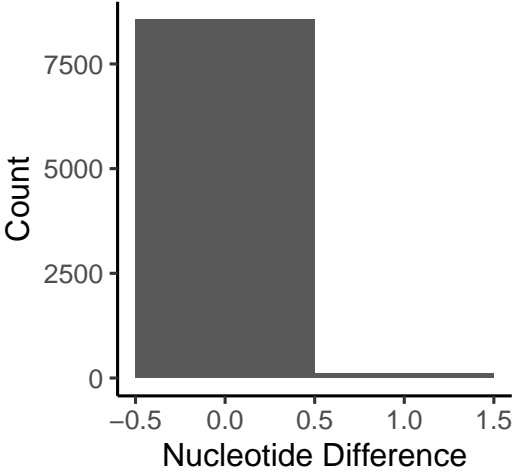
TRBV13*ap01

2145 sequences assigned
2027 (94.5%) exact matches, in which:
1966 unique CDR3
13 unique J



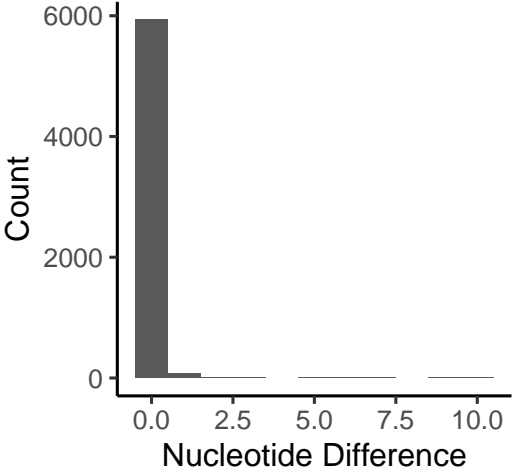
TRBV20-1*ap01

8655 sequences assigned
8556 (98.9%) exact matches, in which:
8431 unique CDR3
13 unique J



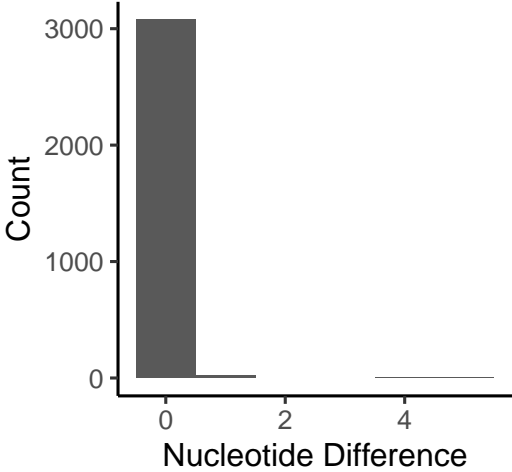
TRBV10-3*ap01

6019 sequences assigned
5934 (98.6%) exact matches, in which:
5798 unique CDR3
13 unique J



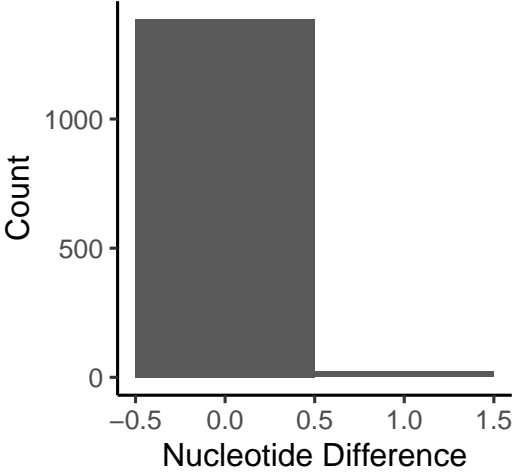
TRBV14*ap01

3099 sequences assigned
3077 (99.3%) exact matches, in which:
3040 unique CDR3
13 unique J



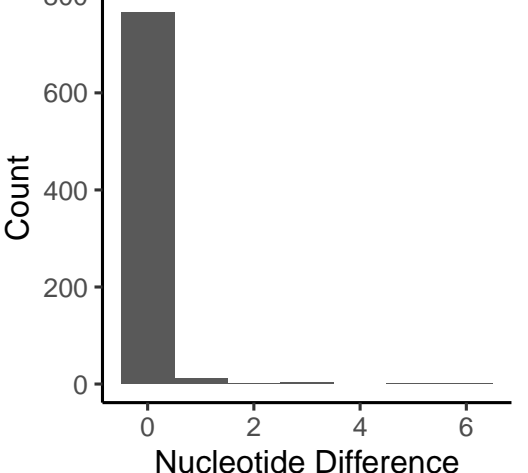
TRBV20-1*ap02

1410 sequences assigned
1387 (98.4%) exact matches, in which:
1357 unique CDR3
13 unique J



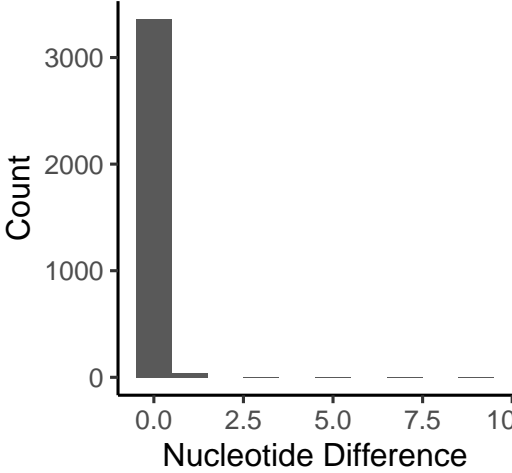
TRBV1*ap01

784 sequences assigned
766 (97.7%) exact matches, in which:
755 unique CDR3
13 unique J



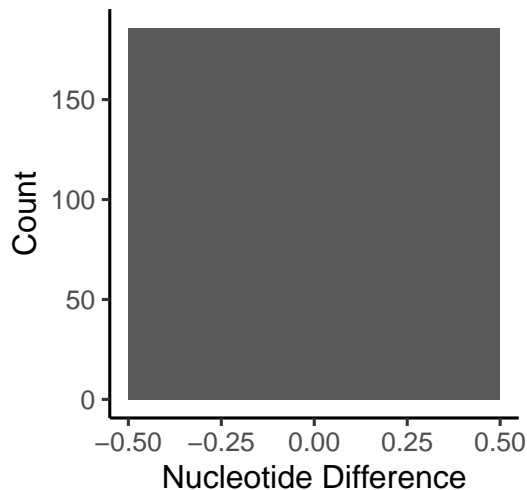
TRBV15*ap02

3407 sequences assigned
3361 (98.6%) exact matches, in which:
3301 unique CDR3
13 unique J



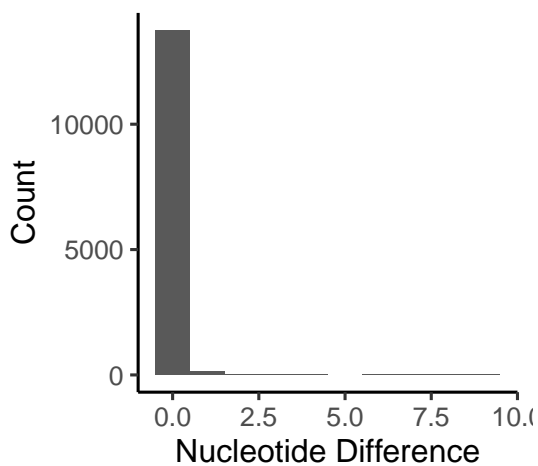
TRBV16*ap01

186 sequences assigned
186 (100%) exact matches, in which:
186 unique CDR3
13 unique J



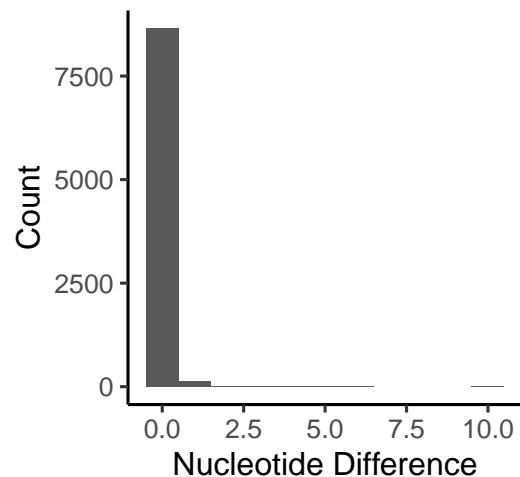
TRBV19*ap01

13899 sequences assigned
13752 (98.9%) exact matches, in which:
13633 unique CDR3
13 unique J



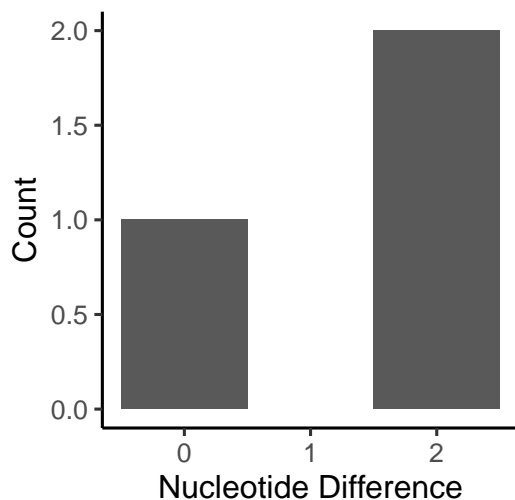
TRBV27*ap01

8791 sequences assigned
8651 (98.4%) exact matches, in which:
8431 unique CDR3
13 unique J



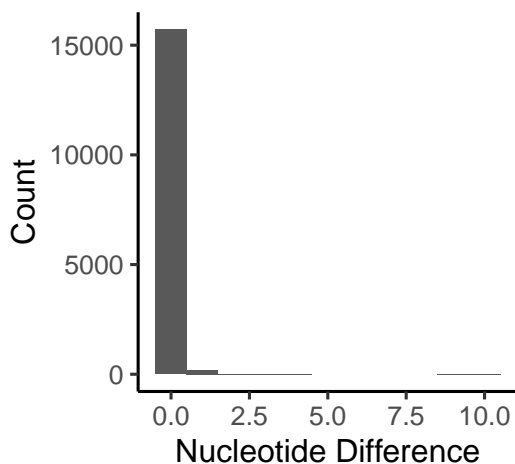
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



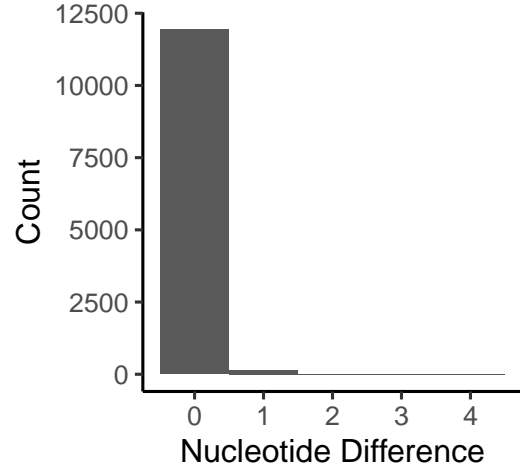
TRBV2*ap01

15933 sequences assigned
15716 (98.6%) exact matches, in which:
15415 unique CDR3
13 unique J



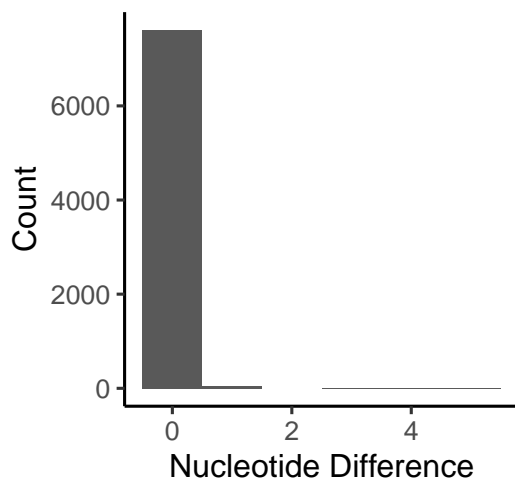
TRBV28*ap01

12081 sequences assigned
11938 (98.8%) exact matches, in which:
11738 unique CDR3
13 unique J



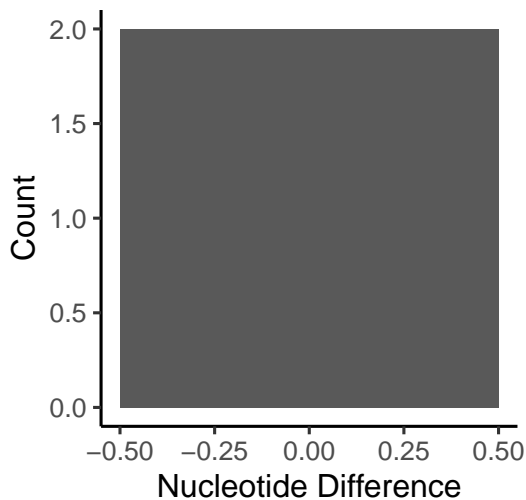
TRBV18*ap01

7666 sequences assigned
7611 (99.3%) exact matches, in which:
7538 unique CDR3
13 unique J



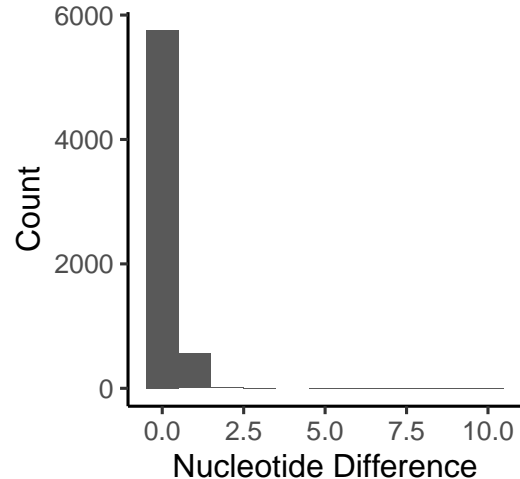
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



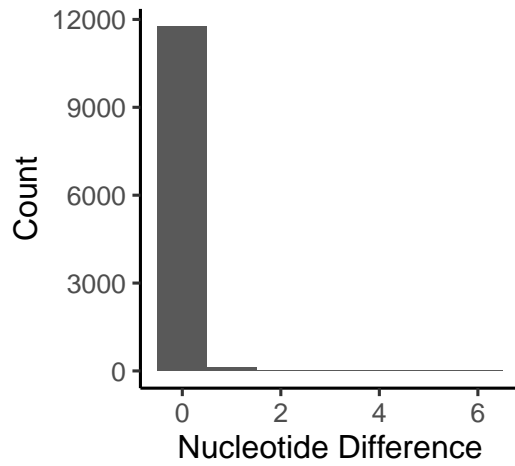
TRBV30*ap01

6342 sequences assigned
5759 (90.8%) exact matches, in which:
5684 unique CDR3
13 unique J



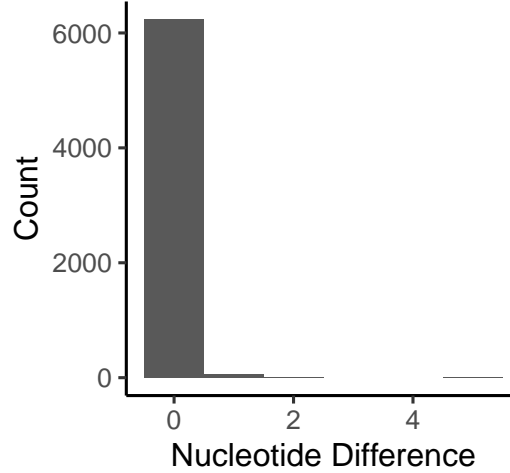
TRBV9*ap01

11910 sequences assigned
11771 (98.8%) exact matches, in which:
11584 unique CDR3
13 unique J



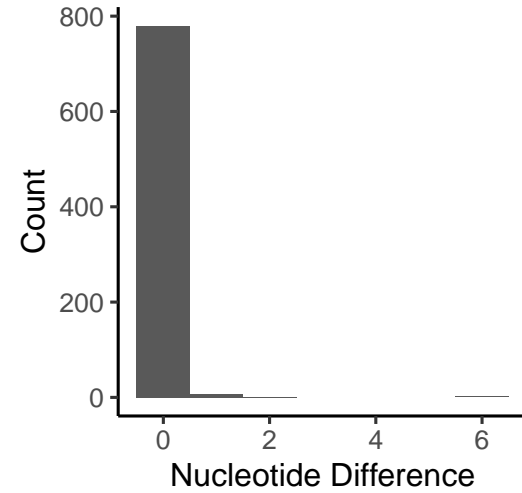
TRBV11-2*ap01

6306 sequences assigned
6236 (98.9%) exact matches, in which:
6165 unique CDR3
13 unique J



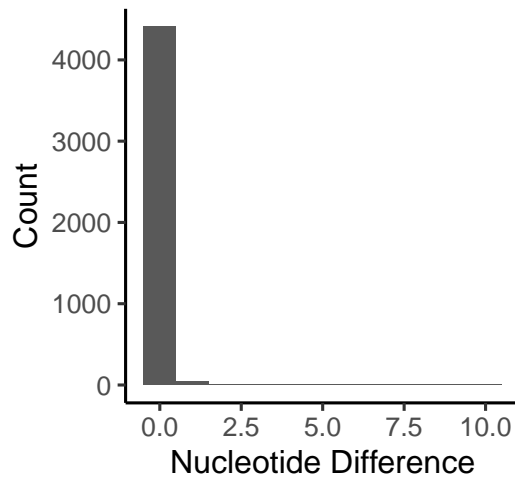
TRBV12-2*ap01

790 sequences assigned
780 (98.7%) exact matches, in which:
768 unique CDR3
13 unique J



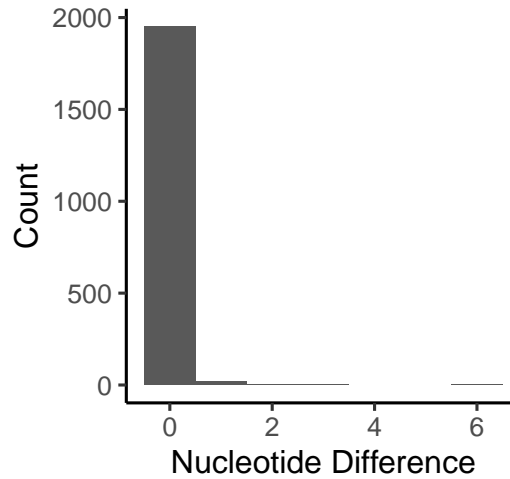
TRBV21-1*ap01

4482 sequences assigned
4408 (98.3%) exact matches, in which:
4351 unique CDR3
13 unique J



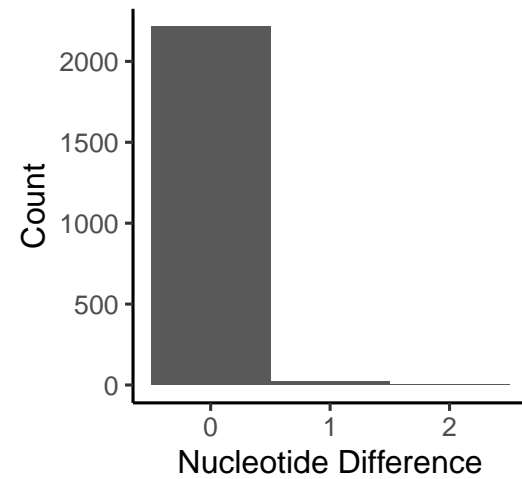
TRBV11-3*ap01

1971 sequences assigned
1950 (98.9%) exact matches, in which:
1923 unique CDR3
13 unique J



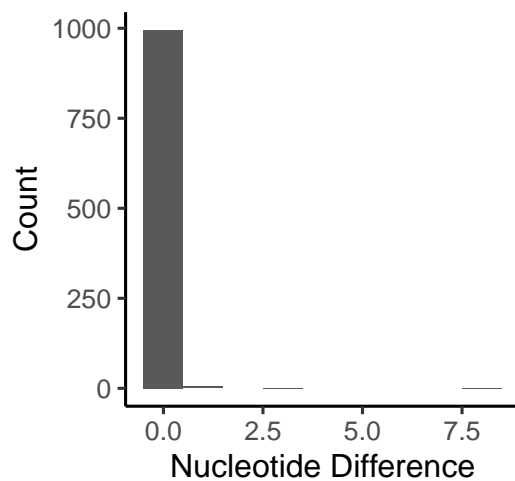
TRBV12-5*ap01

2241 sequences assigned
2214 (98.8%) exact matches, in which:
2179 unique CDR3
13 unique J



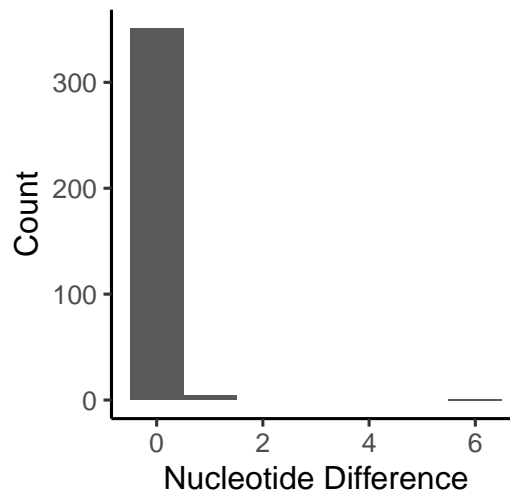
TRBV11-1*ap01

1002 sequences assigned
995 (99.3%) exact matches, in which:
982 unique CDR3
13 unique J



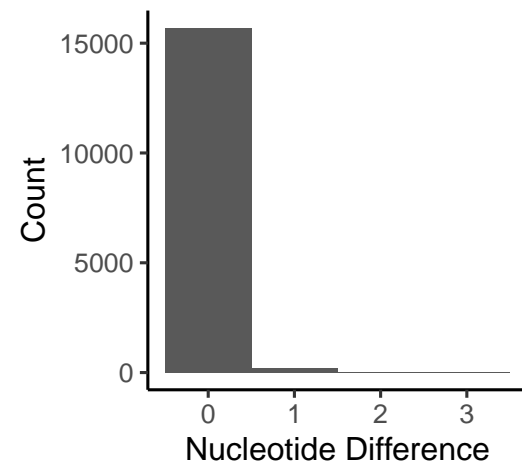
TRBV12-1*ap01

356 sequences assigned
351 (98.6%) exact matches, in which:
349 unique CDR3
13 unique J



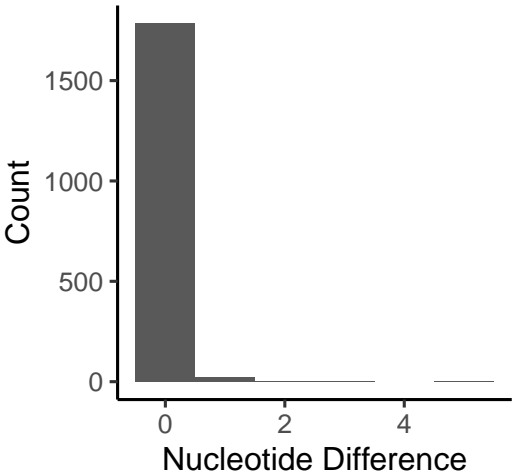
TRBV12-34*ap01

15895 sequences assigned
15701 (98.8%) exact matches, in which:
15424 unique CDR3
13 unique J



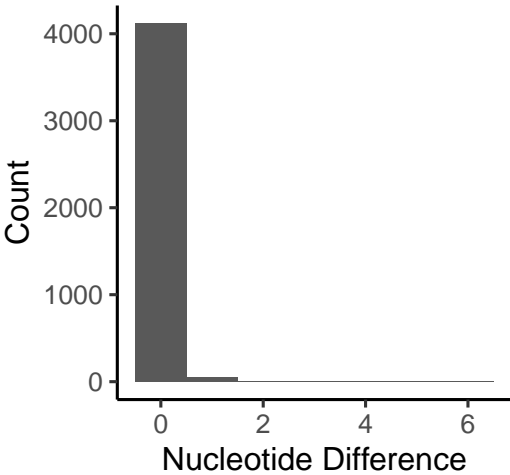
TRBV23-1*ap01

1815 sequences assigned
1785 (98.3%) exact matches, in which:
1761 unique CDR3
13 unique J



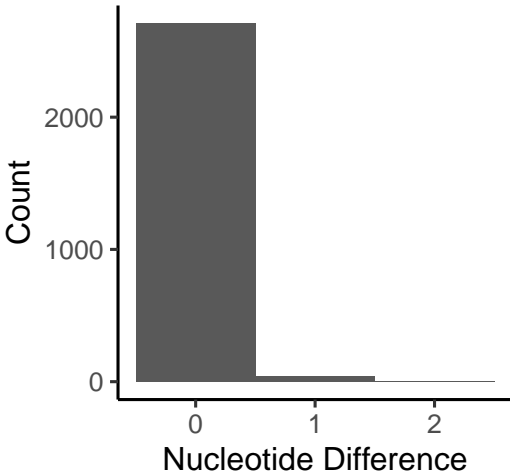
TRBV24-1*ap01

4185 sequences assigned
4119 (98.4%) exact matches, in which:
4042 unique CDR3
13 unique J



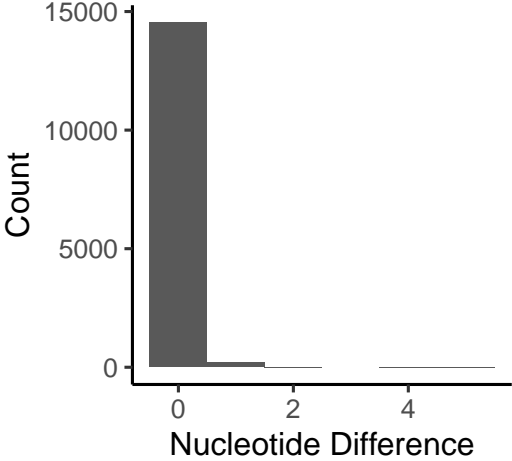
TRBV25-1*ap01

2750 sequences assigned
2709 (98.5%) exact matches, in which:
2660 unique CDR3
13 unique J



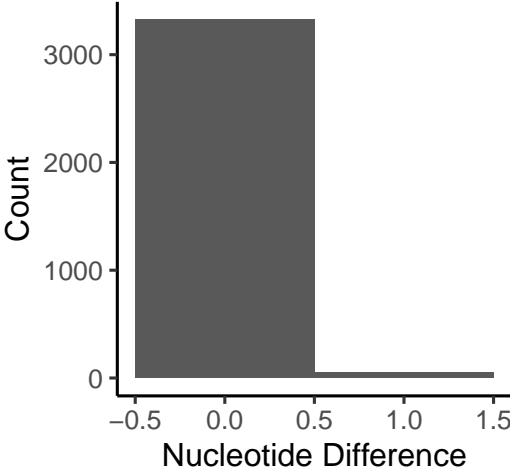
TRBV3-12*ap01

14749 sequences assigned
14539 (98.6%) exact matches, in which:
14236 unique CDR3
13 unique J



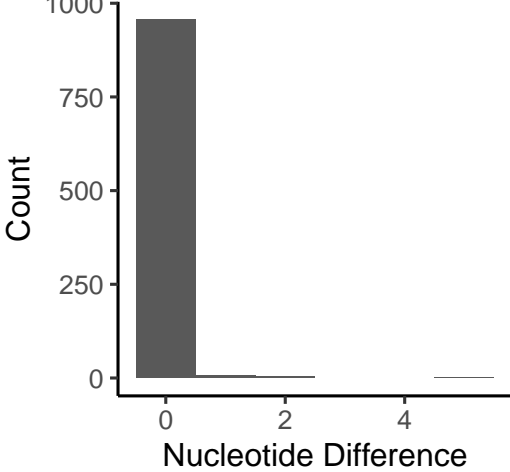
TRBV4-2*ap01

3373 sequences assigned
3324 (98.5%) exact matches, in which:
3273 unique CDR3
13 unique J



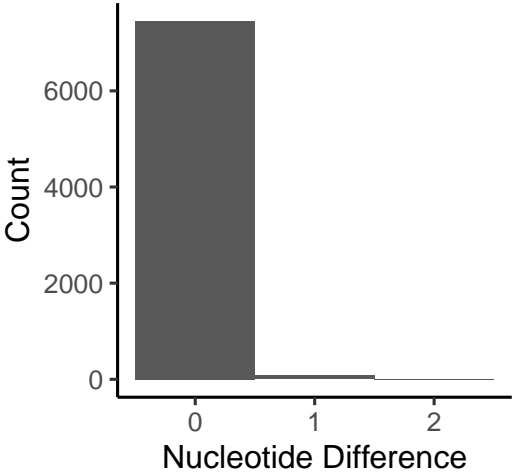
TRBV5-3*ap01

967 sequences assigned
956 (98.9%) exact matches, in which:
936 unique CDR3
13 unique J



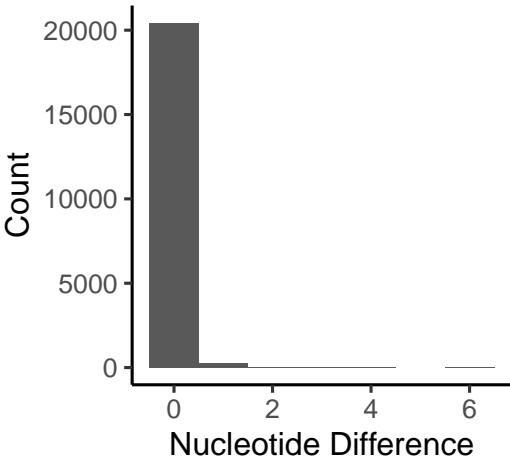
TRBV4-1*ap01

7529 sequences assigned
7452 (99%) exact matches, in which:
7298 unique CDR3
13 unique J



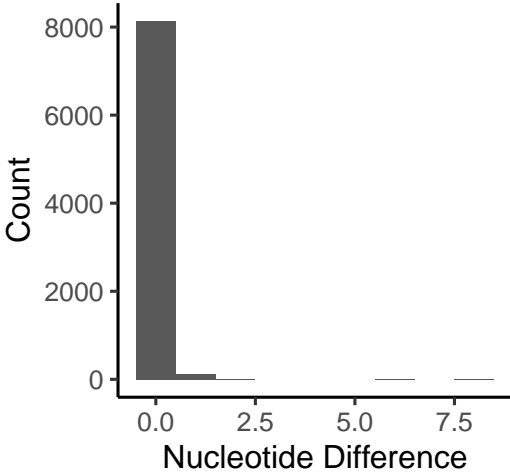
TRBV5-1*ap01

20698 sequences assigned
20439 (98.7%) exact matches, in which:
19960 unique CDR3
13 unique J



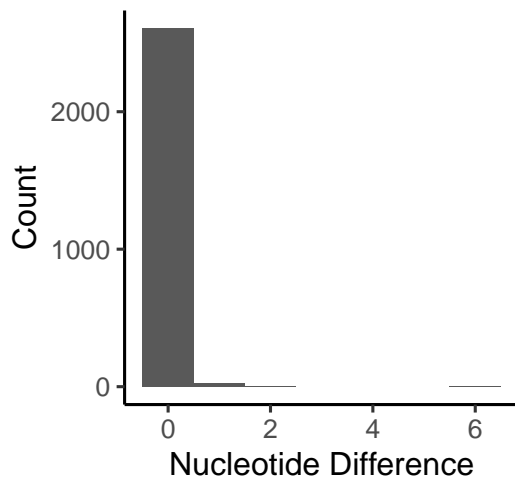
TRBV5-4*ap01

8262 sequences assigned
8137 (98.5%) exact matches, in which:
7975 unique CDR3
13 unique J



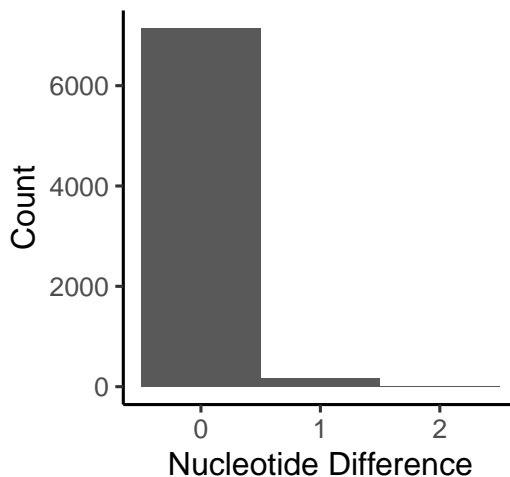
TRBV5-5*ap01

2637 sequences assigned
2606 (98.8%) exact matches, in which:
2582 unique CDR3
13 unique J



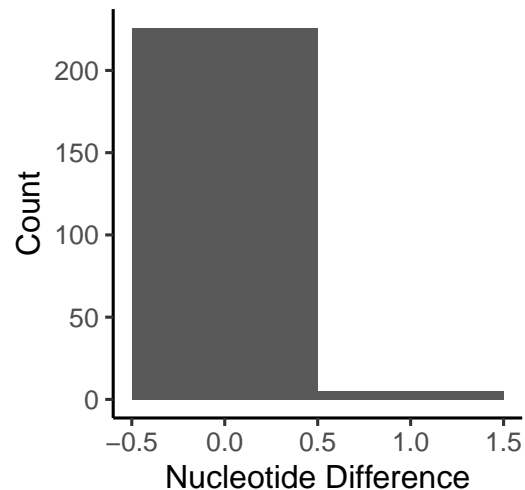
TRBV6-1*ap01

7319 sequences assigned
7141 (97.6%) exact matches, in which:
6975 unique CDR3
13 unique J



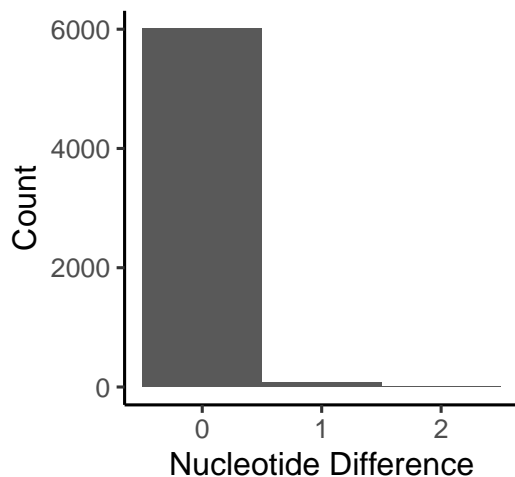
TRBV6-8*ap01

231 sequences assigned
226 (97.8%) exact matches, in which:
217 unique CDR3
12 unique J



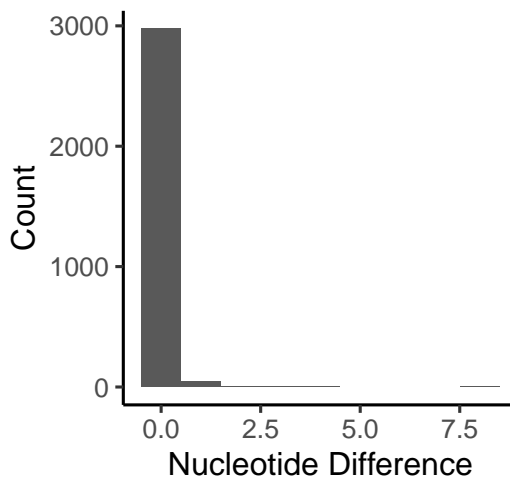
TRBV5-6*ap01

6083 sequences assigned
6008 (98.8%) exact matches, in which:
5880 unique CDR3
13 unique J



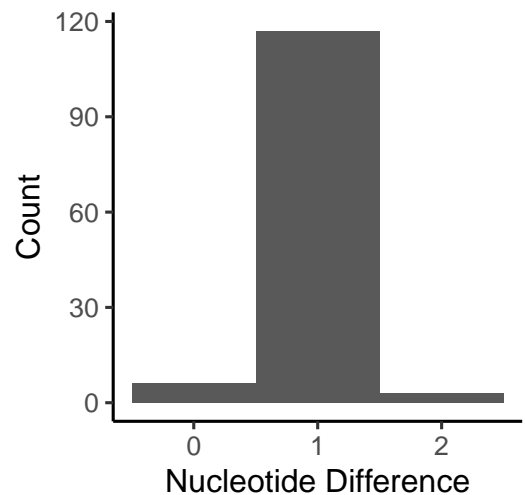
TRBV6-4*ap01

3028 sequences assigned
2976 (98.3%) exact matches, in which:
2923 unique CDR3
13 unique J



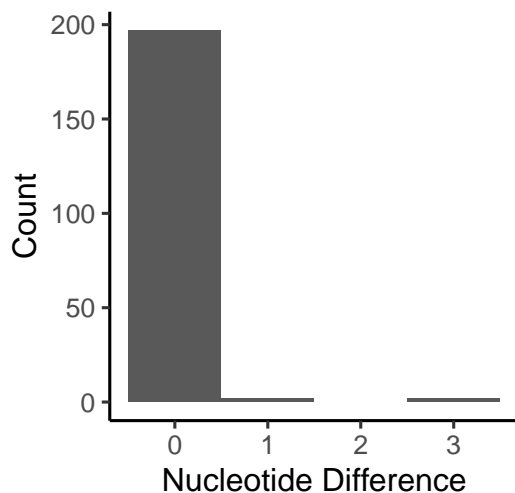
TRBV6-9*ap01

126 sequences assigned
6 (4.8%) exact matches, in which:
6 unique CDR3
4 unique J



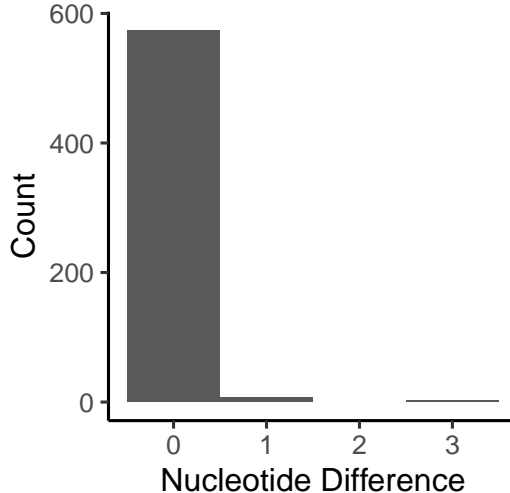
TRBV5-7*ap01

201 sequences assigned
197 (98%) exact matches, in which:
195 unique CDR3
13 unique J



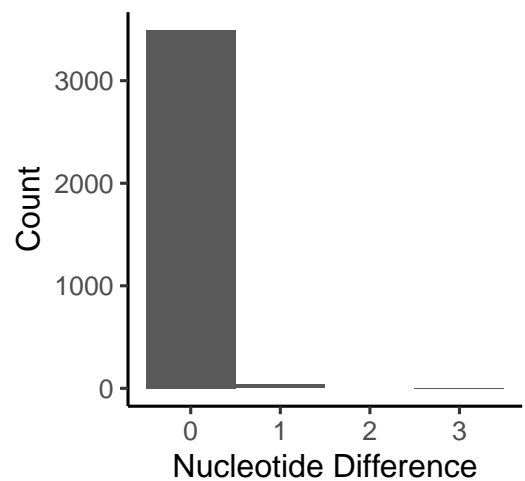
TRBV6-7*ap01

583 sequences assigned
574 (98.5%) exact matches, in which:
561 unique CDR3
13 unique J



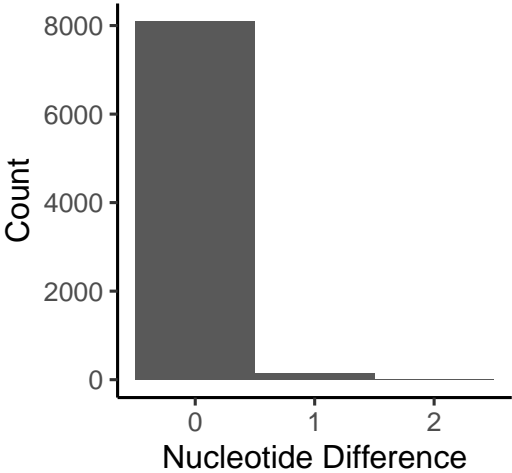
TRBV6-23*ap01

3531 sequences assigned
3494 (99%) exact matches, in which:
3406 unique CDR3
13 unique J



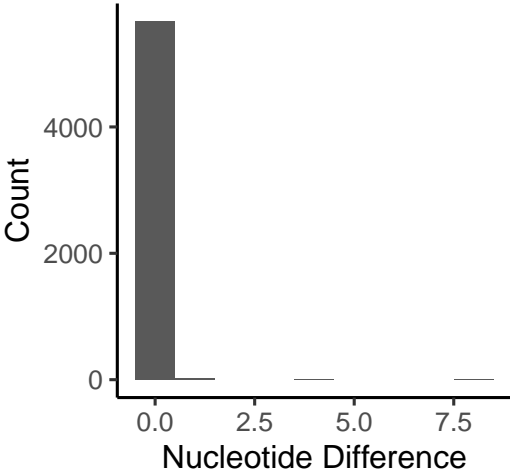
TRBV6-56*ap01

8234 sequences assigned
8094 (98.3%) exact matches, in which:
7922 unique CDR3
13 unique J



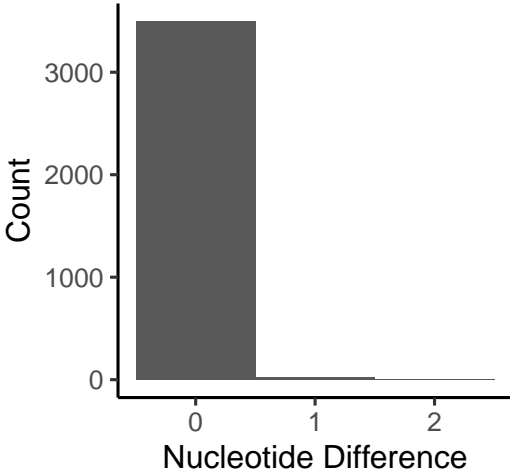
TRBV7-2*ap01

5703 sequences assigned
5670 (99.4%) exact matches, in which:
5597 unique CDR3
13 unique J



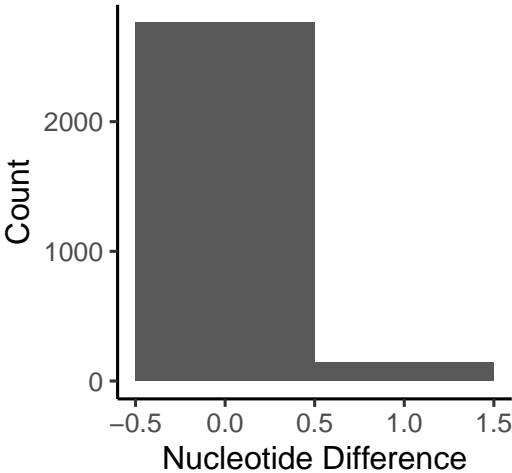
TRBV7-6*ap01

3523 sequences assigned
3496 (99.2%) exact matches, in which:
3426 unique CDR3
13 unique J



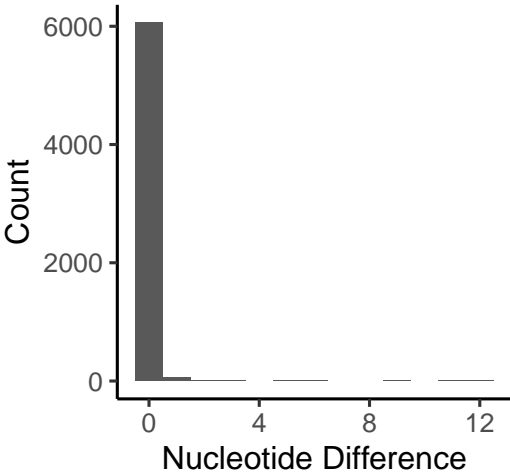
TRBV6-56*ap02

2905 sequences assigned
2763 (95.1%) exact matches, in which:
2704 unique CDR3
13 unique J



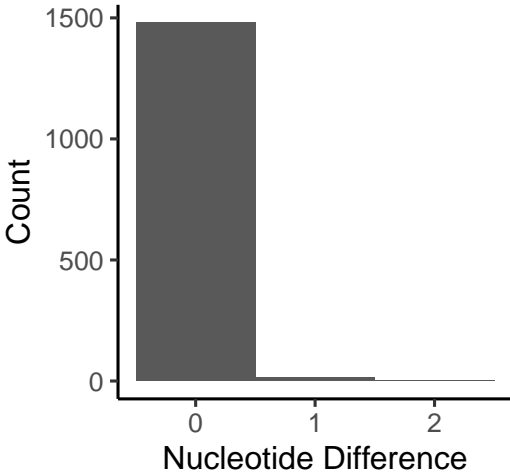
TRBV7-3*ap01

6128 sequences assigned
6060 (98.9%) exact matches, in which:
5973 unique CDR3
13 unique J



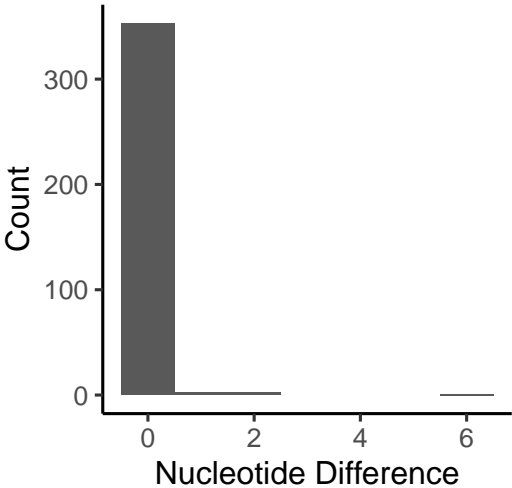
TRBV7-7*ap01

1496 sequences assigned
1480 (98.9%) exact matches, in which:
1458 unique CDR3
13 unique J



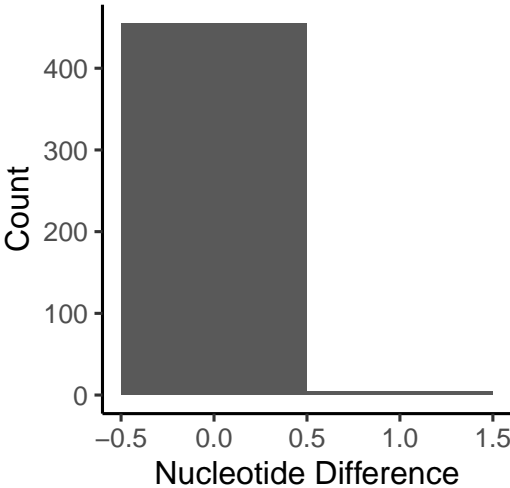
TRBV7-1*ap01_G291C_

358 sequences assigned
353 (98.6%) exact matches, in which:
348 unique CDR3
13 unique J



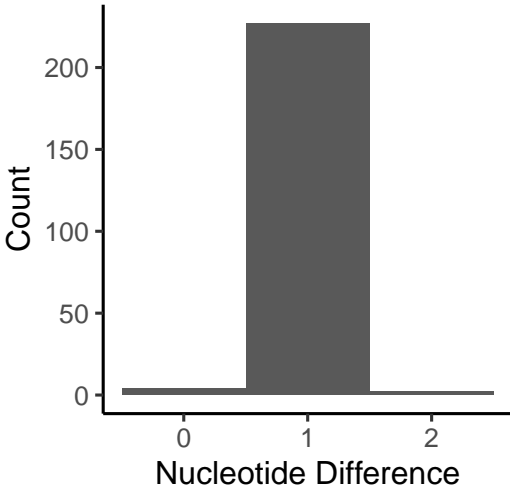
TRBV7-4*ap01

459 sequences assigned
455 (99.1%) exact matches, in which:
441 unique CDR3
13 unique J



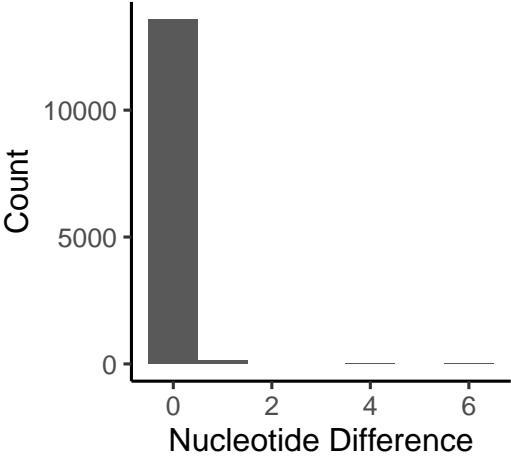
TRBV7-8*ap03

233 sequences assigned
4 (1.7%) exact matches, in which:
4 unique CDR3
2 unique J



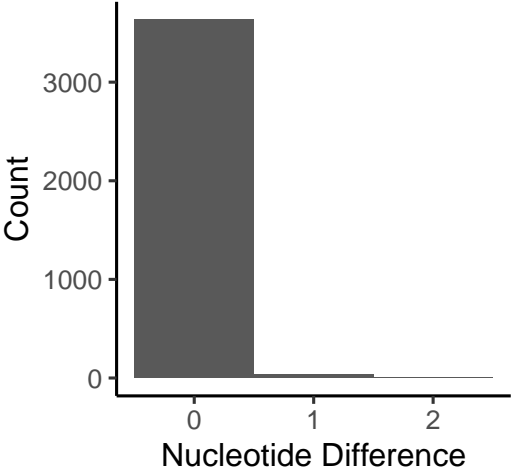
TRBV7-9*ap01

13714 sequences assigned
13585 (99.1%) exact matches, in which:
13396 unique CDR3
13 unique J



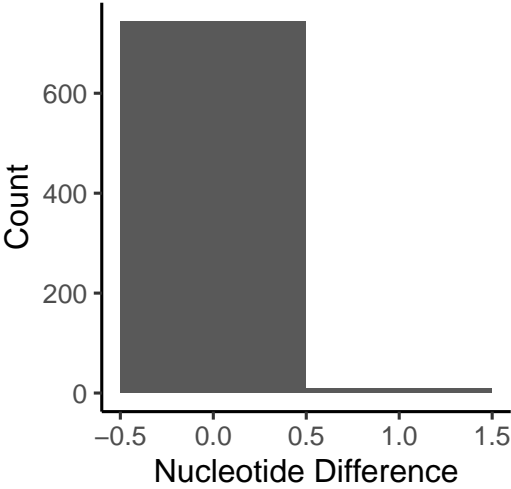
TRBV29-1*ap01

3674 sequences assigned
3633 (98.9%) exact matches, in which:
3576 unique CDR3
13 unique J

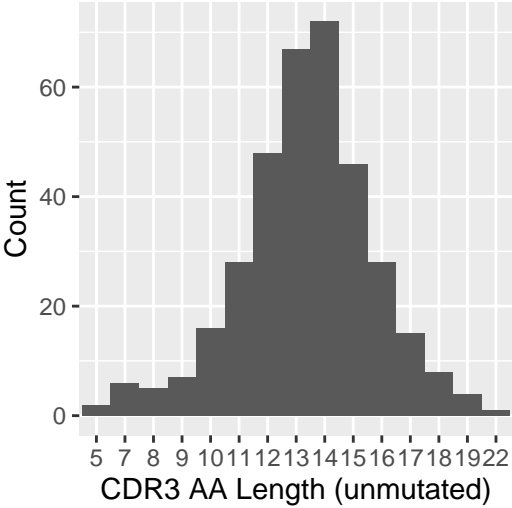


TRBV29-1*ap02

754 sequences assigned
744 (98.7%) exact matches, in which:
727 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T





[illegible]