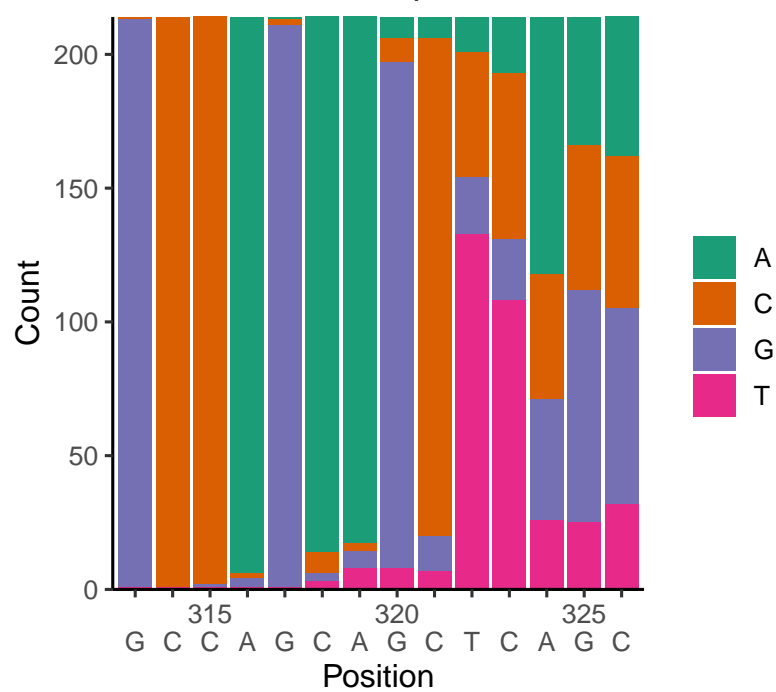
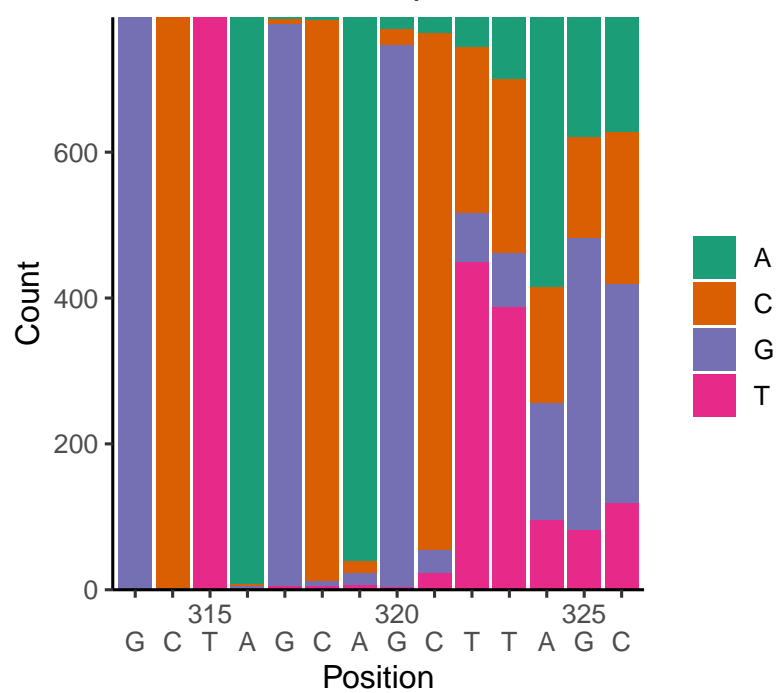


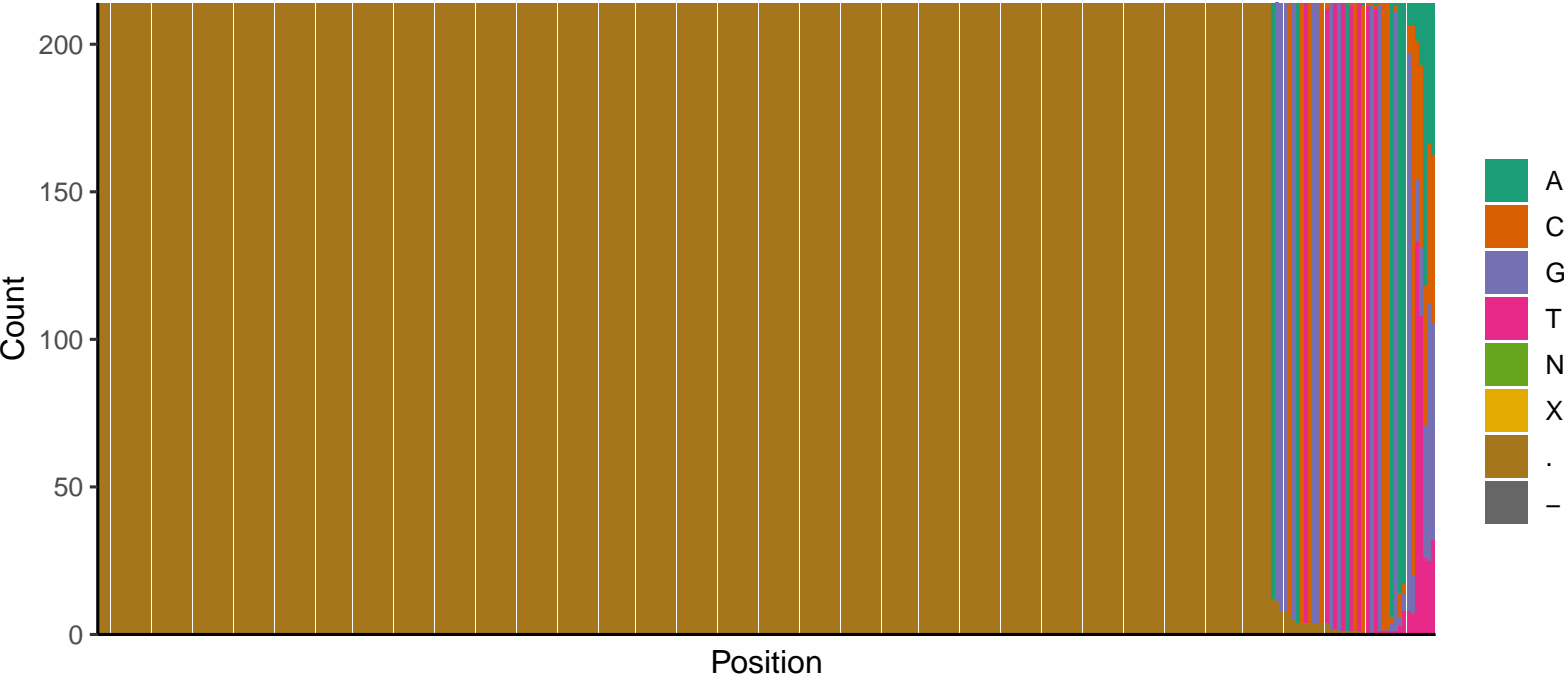
Gene TRBV7-1*ap01_G291C_T296C



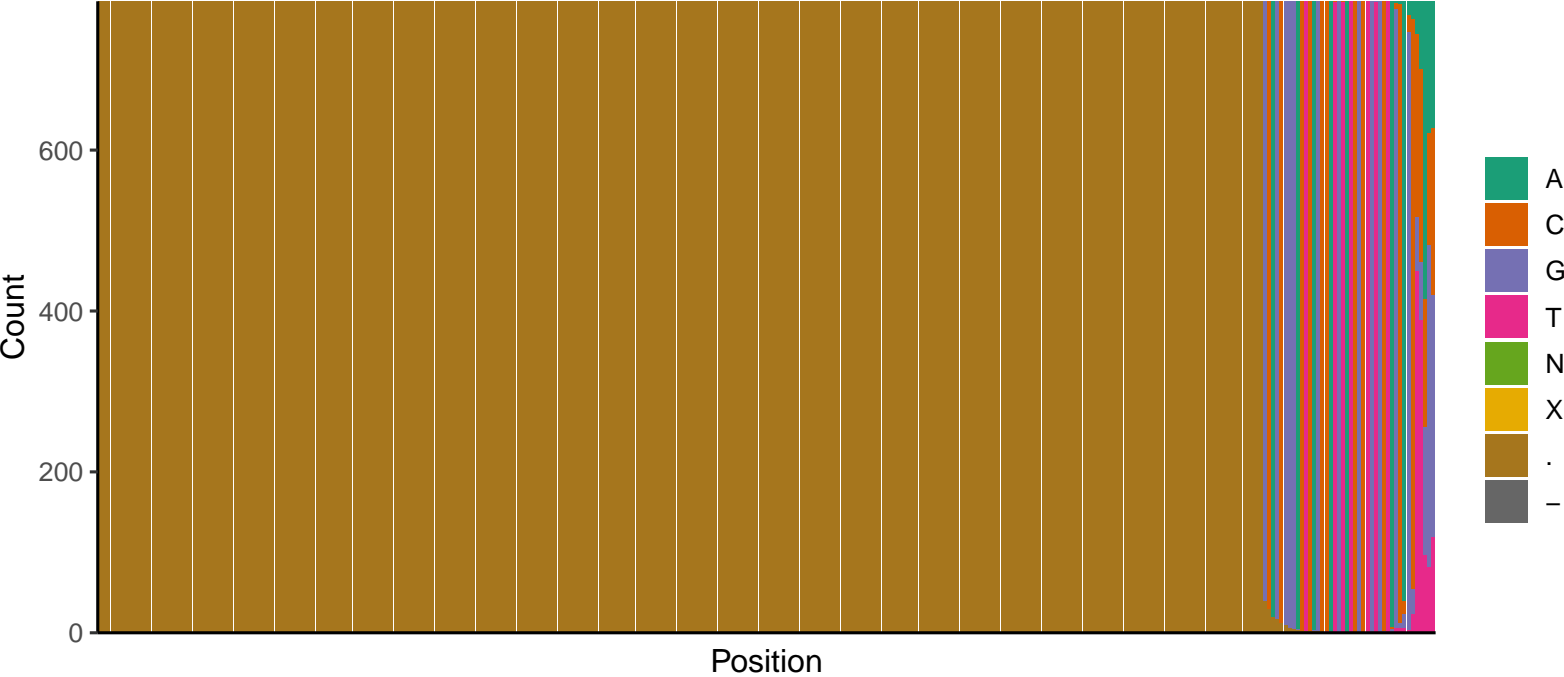
Gene TRBV7-7*ap01_C315T



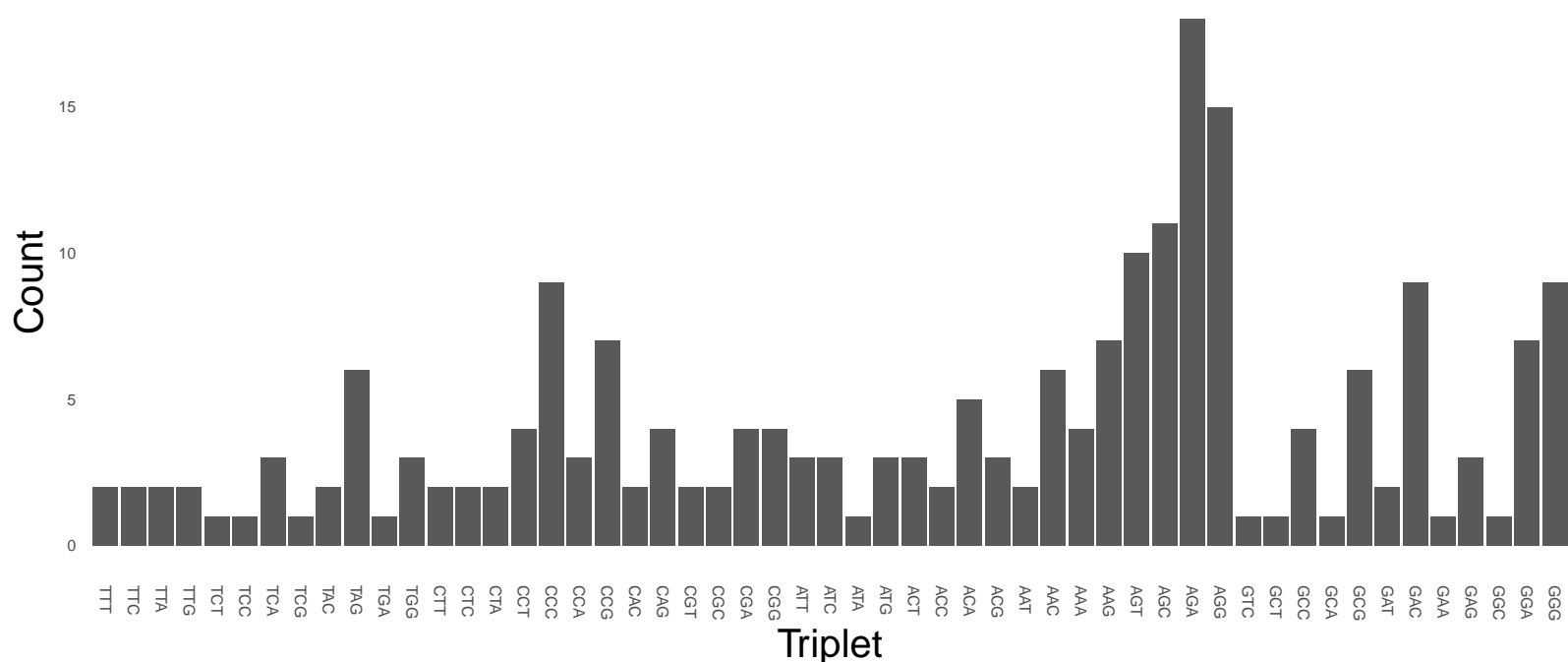
Gene TRBV7-1*ap01_G291C_T296C



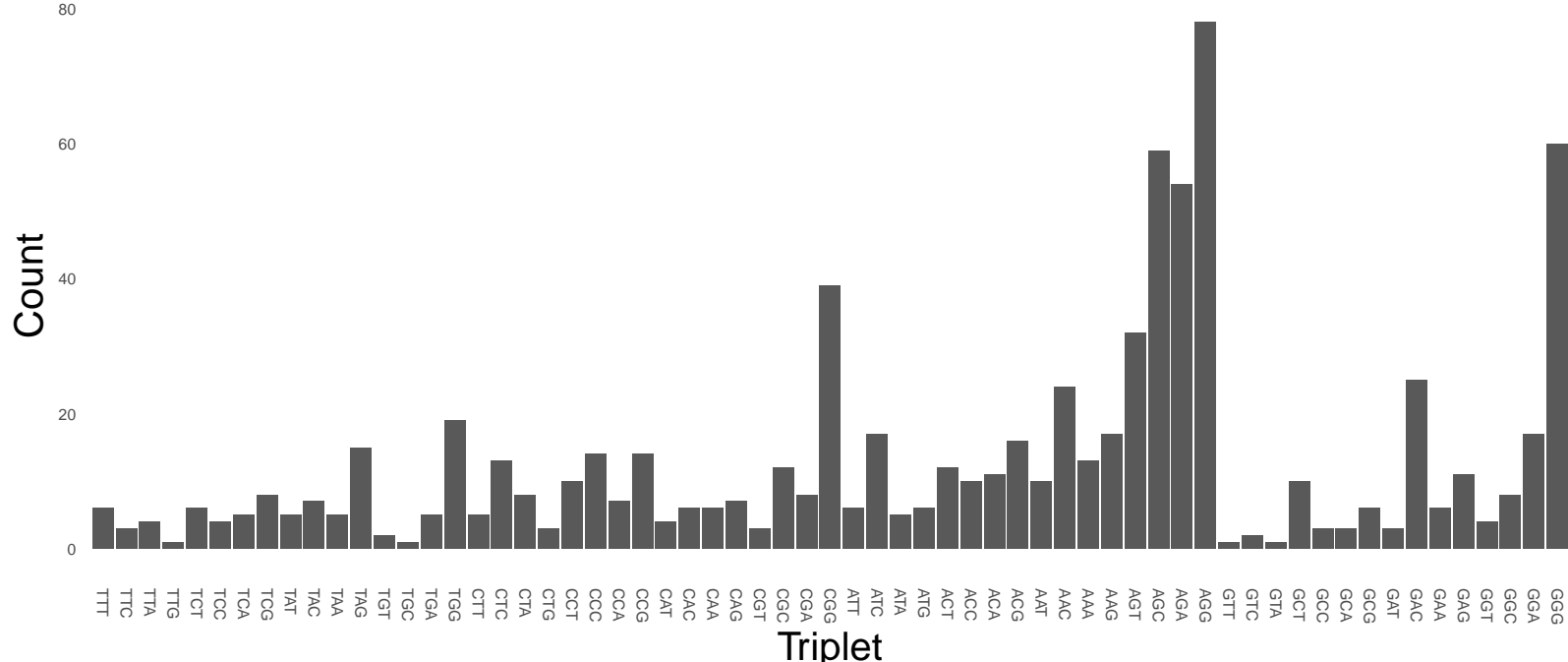
Gene TRBV7-7*ap01_C315T



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

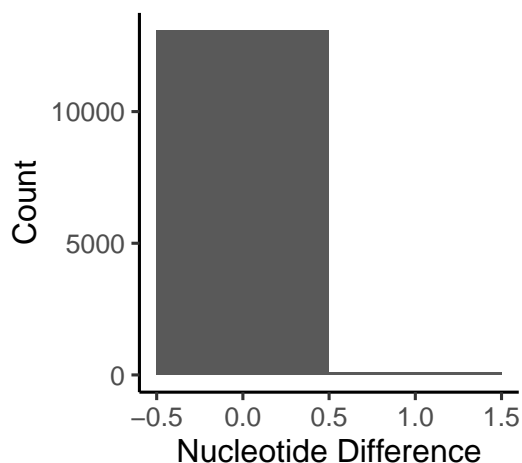


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



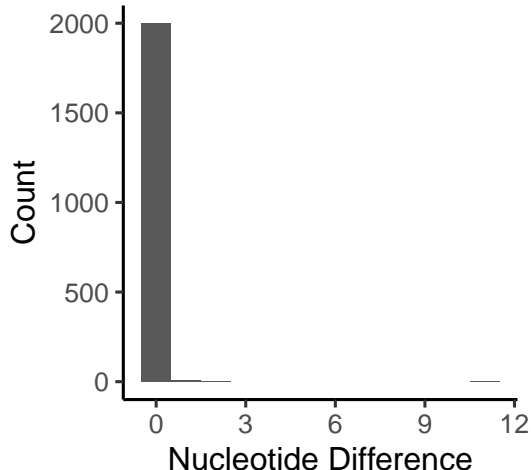
TRBV20-1*ap01

13192 sequences assigned
13093 (99.2%) exact matches, in which:
12976 unique CDR3
13 unique J



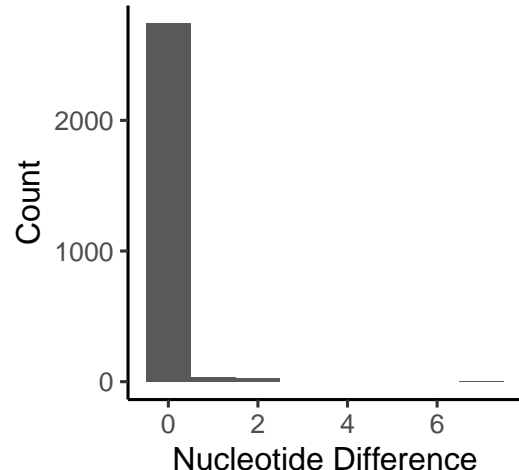
TRBV10-2*ap01

2011 sequences assigned
1999 (99.4%) exact matches, in which:
1968 unique CDR3
13 unique J



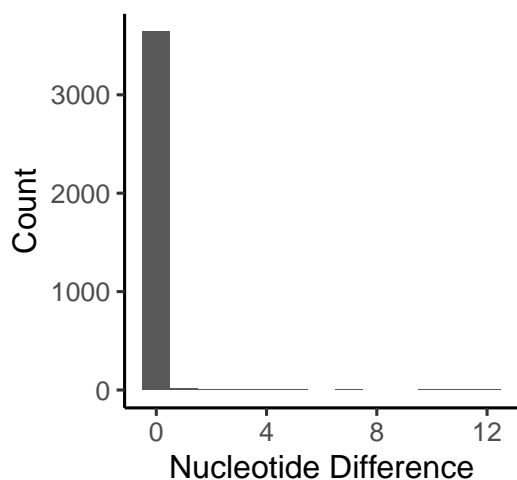
TRBV13*ap01

2805 sequences assigned
2742 (97.8%) exact matches, in which:
2660 unique CDR3
13 unique J



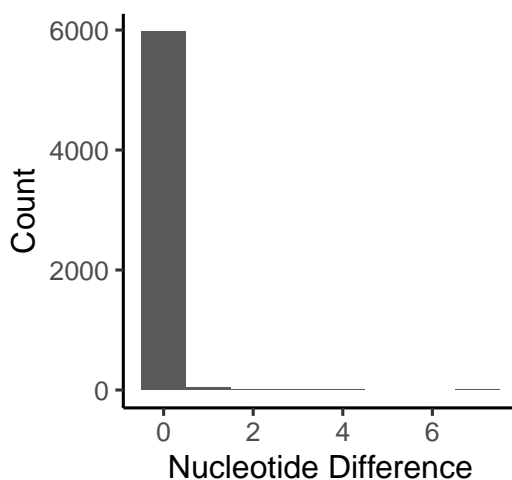
TRBV10-1*ap01

3674 sequences assigned
3641 (99.1%) exact matches, in which:
3573 unique CDR3
13 unique J



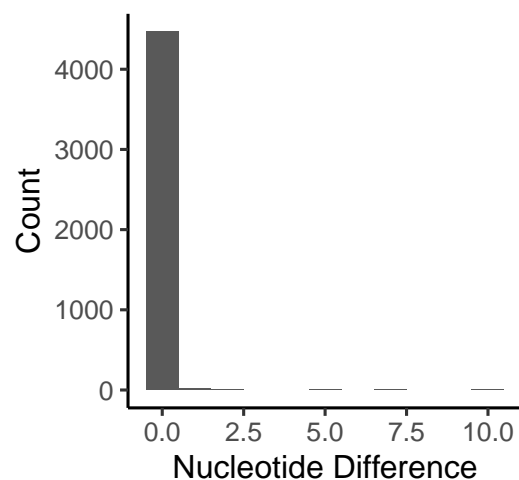
TRBV10-3*ap01

6018 sequences assigned
5972 (99.2%) exact matches, in which:
5888 unique CDR3
13 unique J



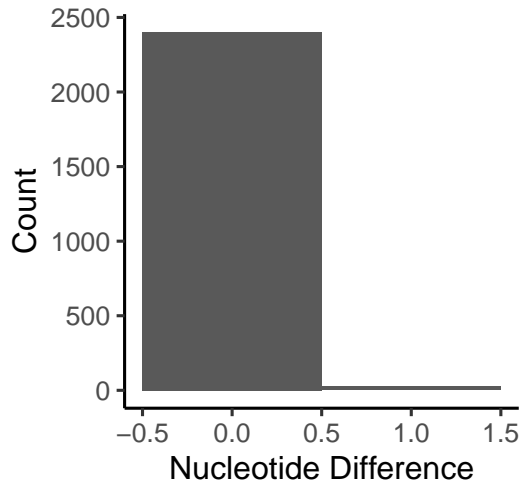
TRBV14*ap01

4495 sequences assigned
4468 (99.4%) exact matches, in which:
4413 unique CDR3
13 unique J



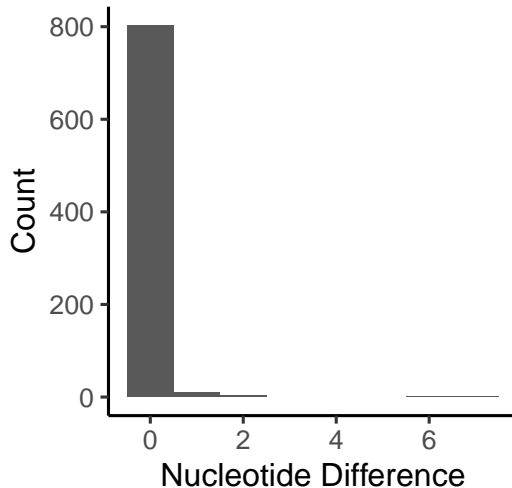
TRBV20-1*ap02

2427 sequences assigned
2402 (99%) exact matches, in which:
2377 unique CDR3
13 unique J



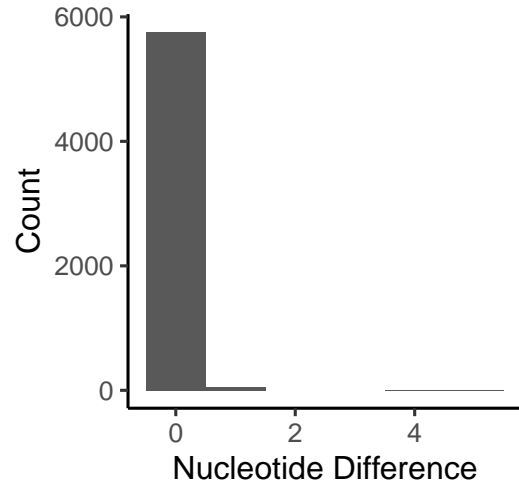
TRBV1*ap01

817 sequences assigned
803 (98.3%) exact matches, in which:
783 unique CDR3
13 unique J



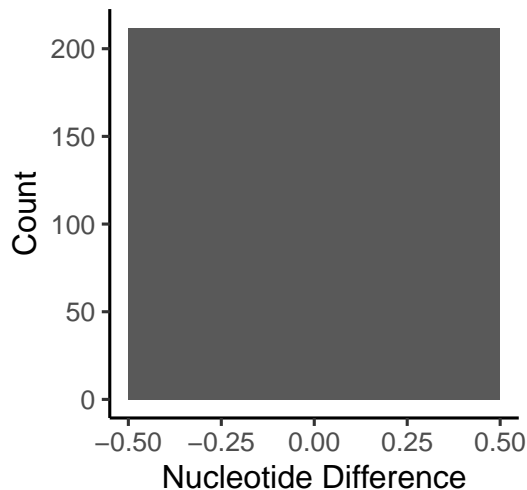
TRBV15*ap02

5809 sequences assigned
5756 (99.1%) exact matches, in which:
5643 unique CDR3
13 unique J



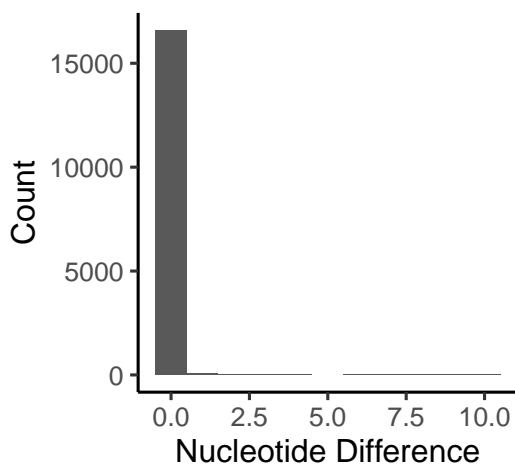
TRBV16*ap01

212 sequences assigned
212 (100%) exact matches, in which:
212 unique CDR3
13 unique J



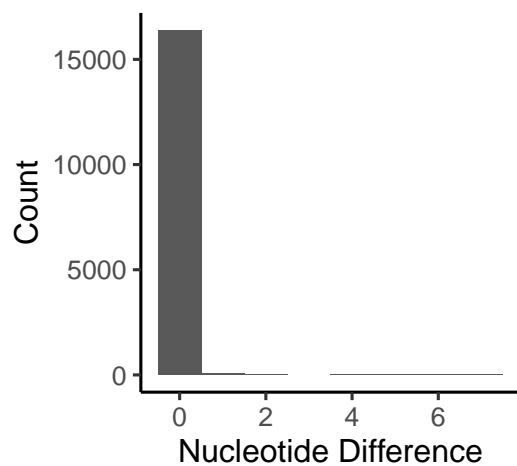
TRBV19*ap01

16693 sequences assigned
16595 (99.4%) exact matches, in which:
16528 unique CDR3
13 unique J



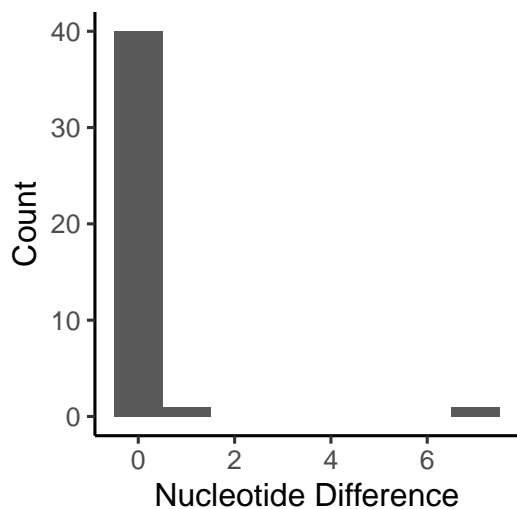
TRBV28*ap01

16460 sequences assigned
16389 (99.6%) exact matches, in which:
16216 unique CDR3
13 unique J



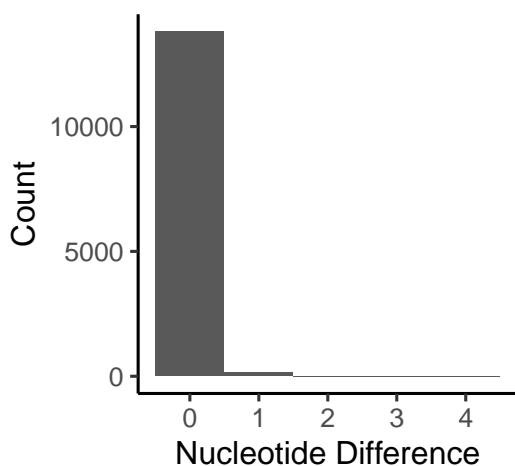
TRBV17*ap01

42 sequences assigned
40 (95.2%) exact matches, in which:
40 unique CDR3
11 unique J



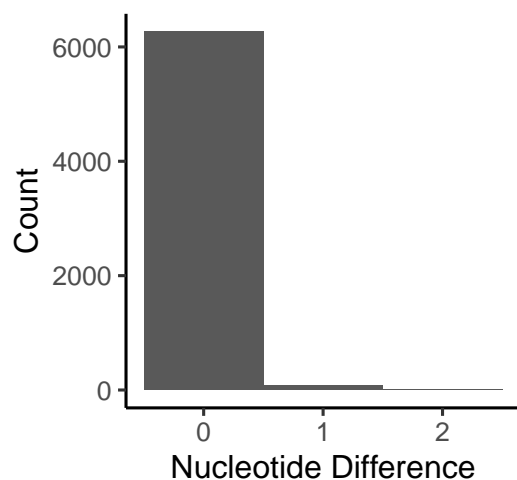
TRBV2*ap01

13965 sequences assigned
13809 (98.9%) exact matches, in which:
13500 unique CDR3
13 unique J



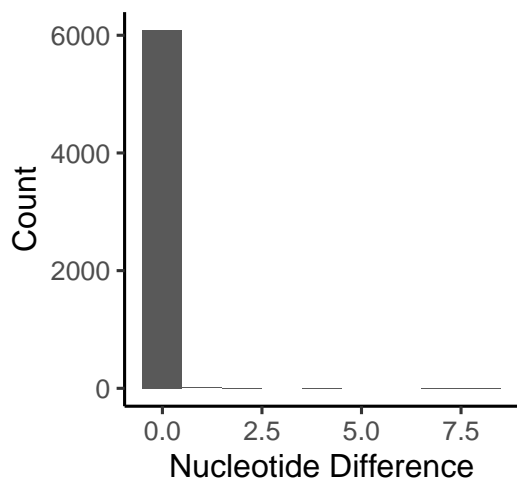
TRBV30*ap01

6342 sequences assigned
6266 (98.8%) exact matches, in which:
6115 unique CDR3
13 unique J



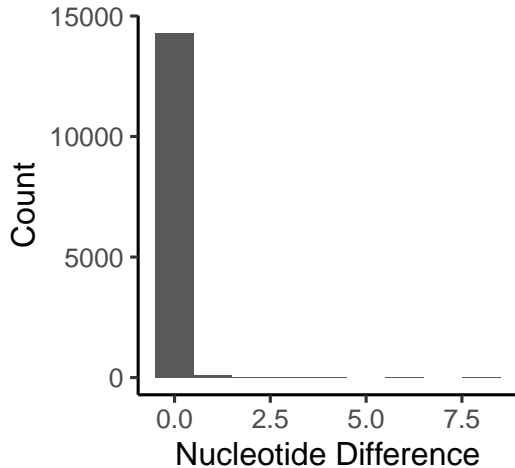
TRBV18*ap01

6108 sequences assigned
6089 (99.7%) exact matches, in which:
6063 unique CDR3
13 unique J



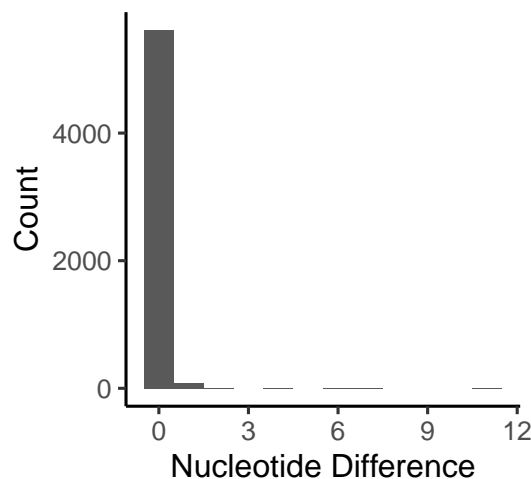
TRBV27*ap01

14430 sequences assigned
14303 (99.1%) exact matches, in which:
14002 unique CDR3
13 unique J



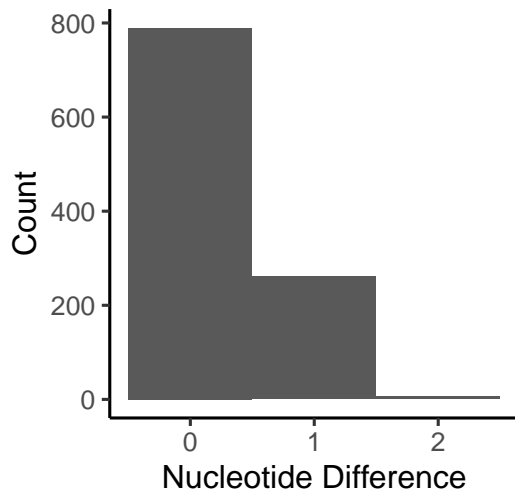
TRBV30*ap02

5703 sequences assigned
5615 (98.5%) exact matches, in which:
5492 unique CDR3
13 unique J



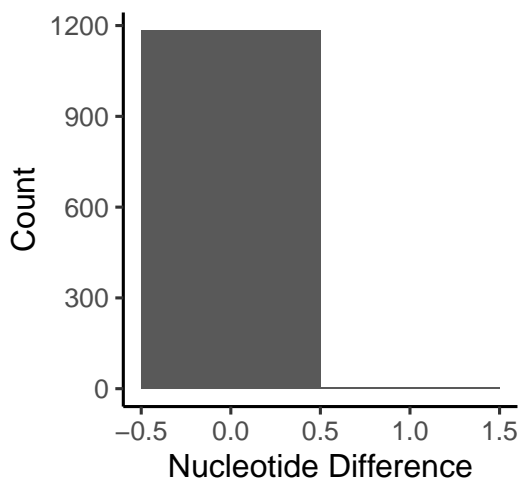
TRBV30*ap03

1057 sequences assigned
790 (74.7%) exact matches, in which:
772 unique CDR3
13 unique J



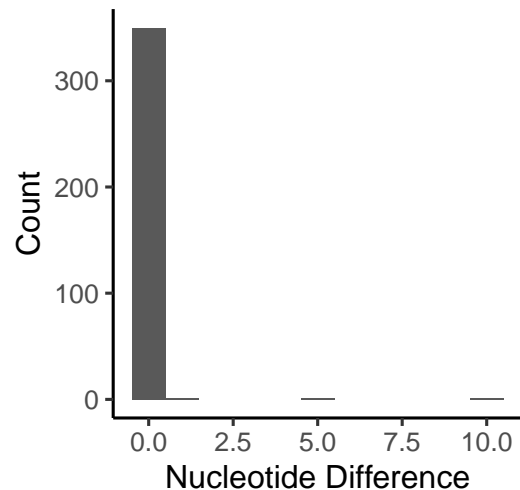
TRBV11-1*ap01

1188 sequences assigned
1184 (99.7%) exact matches, in which:
1177 unique CDR3
13 unique J



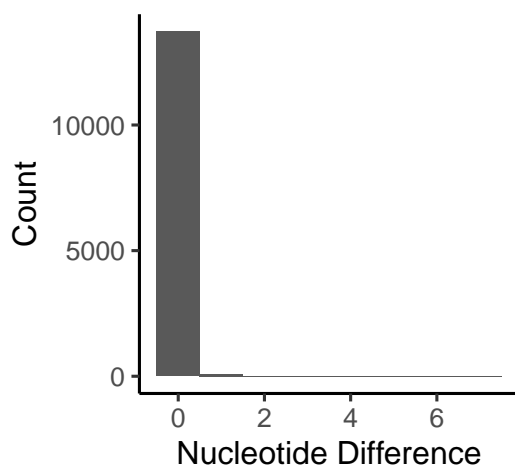
TRBV12-1*ap01

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



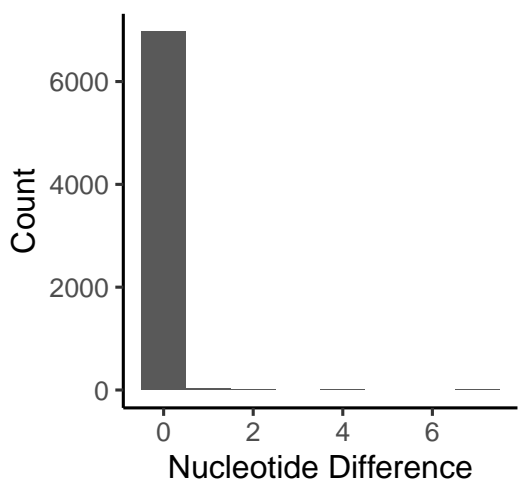
TRBV9*ap01

13830 sequences assigned
13722 (99.2%) exact matches, in which:
13547 unique CDR3
13 unique J



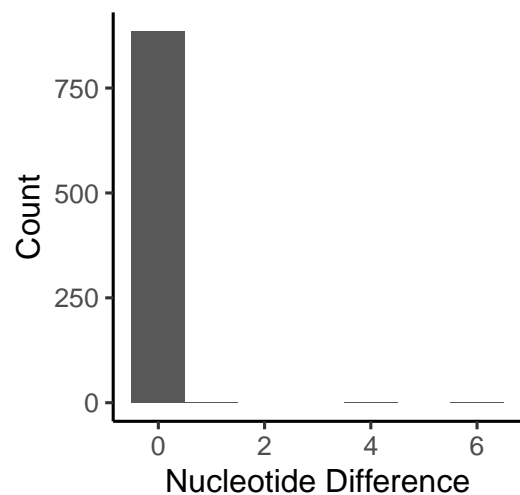
TRBV11-2*ap01

6994 sequences assigned
6969 (99.6%) exact matches, in which:
6927 unique CDR3
13 unique J



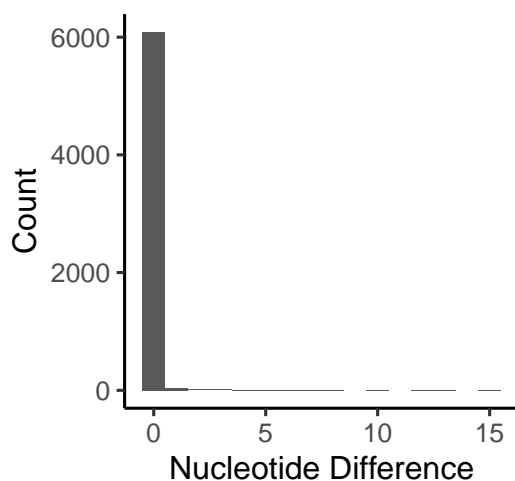
TRBV12-2*ap01

891 sequences assigned
886 (99.4%) exact matches, in which:
883 unique CDR3
13 unique J



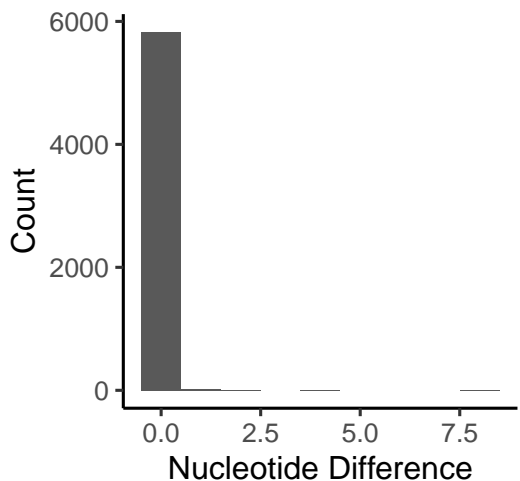
TRBV21-1*ap01

6182 sequences assigned
6087 (98.5%) exact matches, in which:
6056 unique CDR3
13 unique J



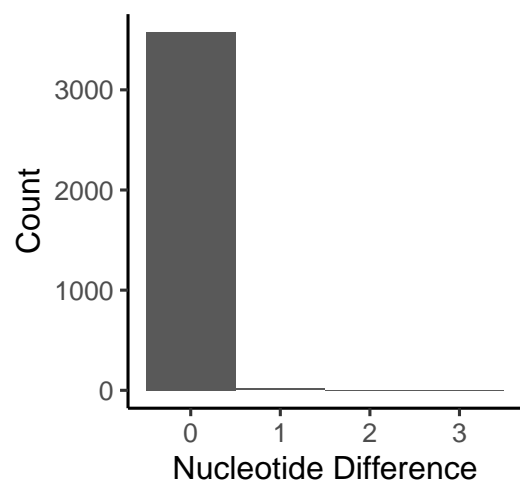
TRBV11-3*ap01

5849 sequences assigned
5827 (99.6%) exact matches, in which:
5785 unique CDR3
13 unique J



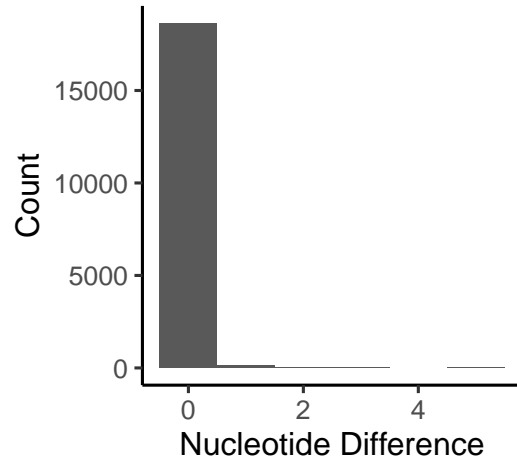
TRBV12-5*ap01

3599 sequences assigned
3577 (99.4%) exact matches, in which:
3527 unique CDR3
13 unique J



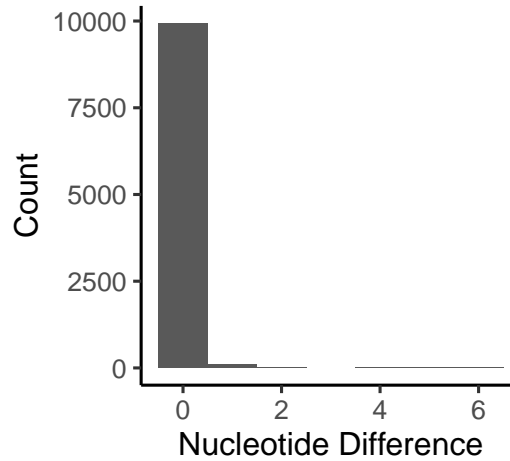
TRBV12–34*ap01

18769 sequences assigned
18641 (99.3%) exact matches, in which:
18400 unique CDR3
13 unique J



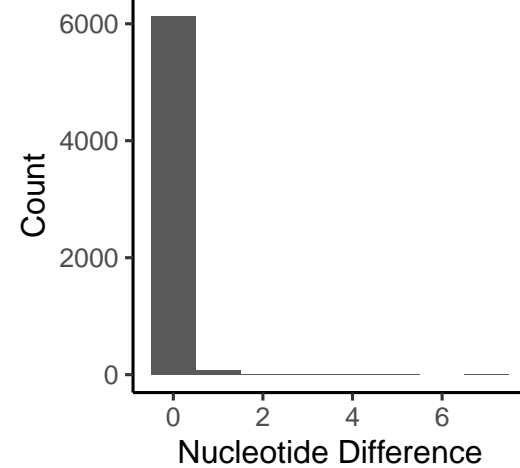
TRBV24–1*ap01

10053 sequences assigned
9939 (98.9%) exact matches, in which:
9732 unique CDR3
13 unique J



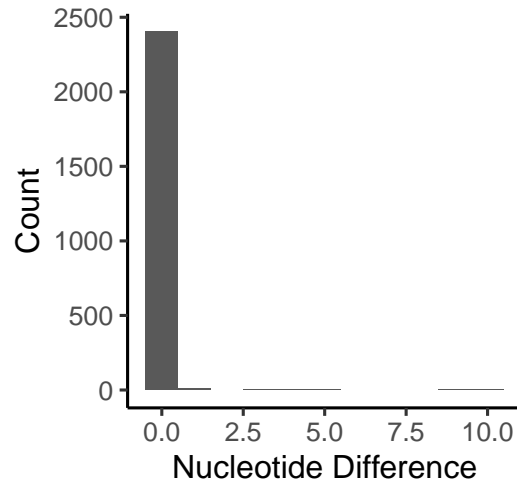
TRBV25–1*ap01

6216 sequences assigned
6126 (98.6%) exact matches, in which:
5957 unique CDR3
13 unique J



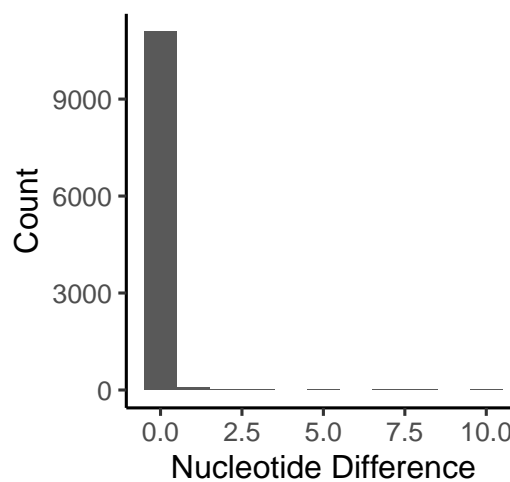
TRBV23–1*ap01

2423 sequences assigned
2403 (99.2%) exact matches, in which:
2384 unique CDR3
13 unique J



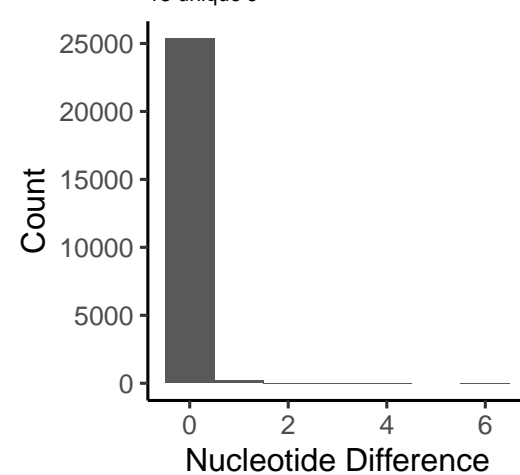
TRBV4–1*ap01

11176 sequences assigned
11084 (99.2%) exact matches, in which:
10820 unique CDR3
13 unique J



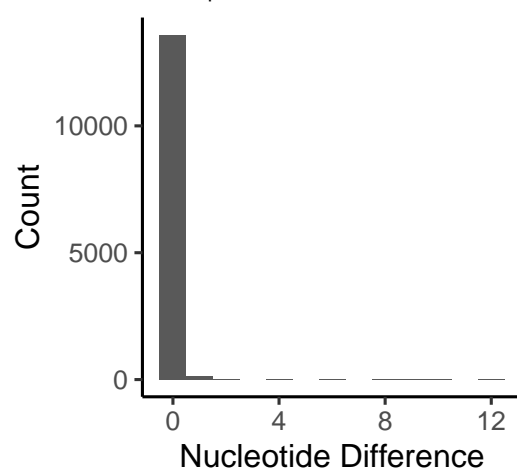
TRBV5–1*ap01

25581 sequences assigned
25368 (99.2%) exact matches, in which:
24786 unique CDR3
13 unique J



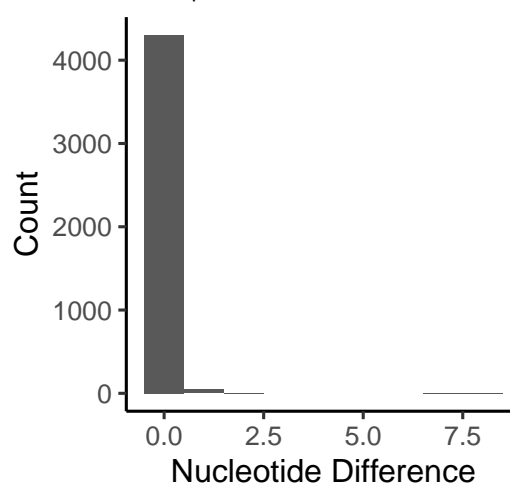
TRBV3–12*ap01

13740 sequences assigned
13590 (98.9%) exact matches, in which:
13327 unique CDR3
13 unique J



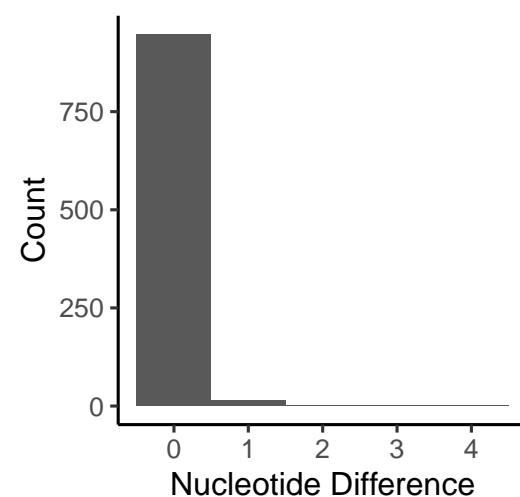
TRBV4–2*ap01

4352 sequences assigned
4302 (98.9%) exact matches, in which:
4211 unique CDR3
13 unique J



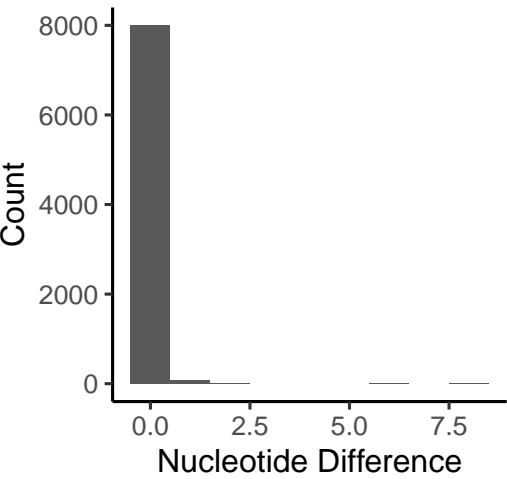
TRBV5–3*ap01

966 sequences assigned
947 (98%) exact matches, in which:
939 unique CDR3
13 unique J



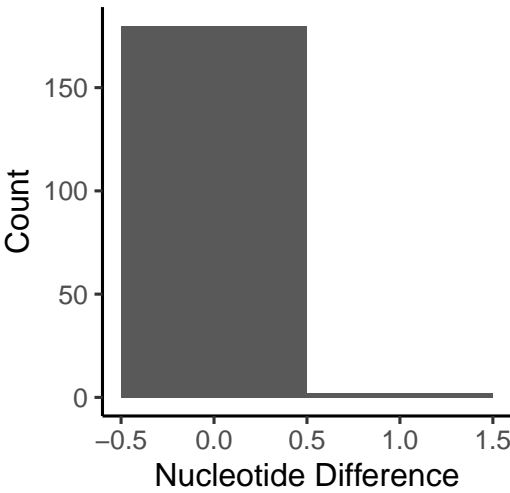
TRBV5-4*ap01

8075 sequences assigned
7999 (99.1%) exact matches, in which:
7876 unique CDR3
13 unique J



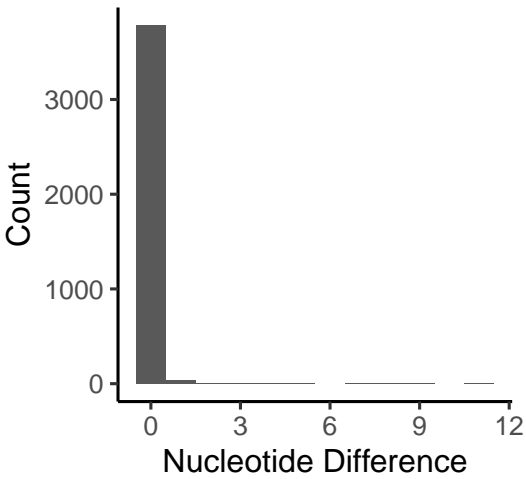
TRBV5-7*ap01

182 sequences assigned
180 (98.9%) exact matches, in which:
174 unique CDR3
13 unique J



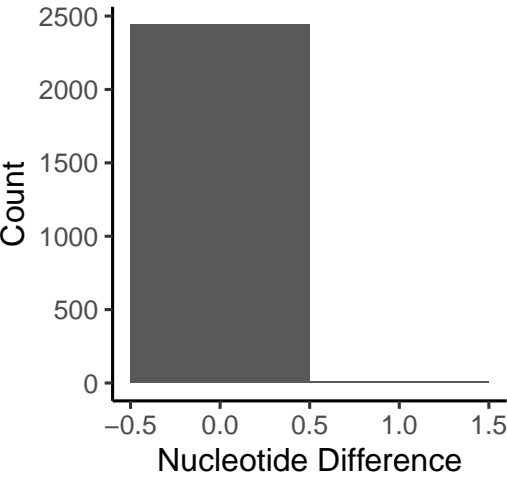
TRBV6-4*ap01

3840 sequences assigned
3782 (98.5%) exact matches, in which:
3749 unique CDR3
13 unique J



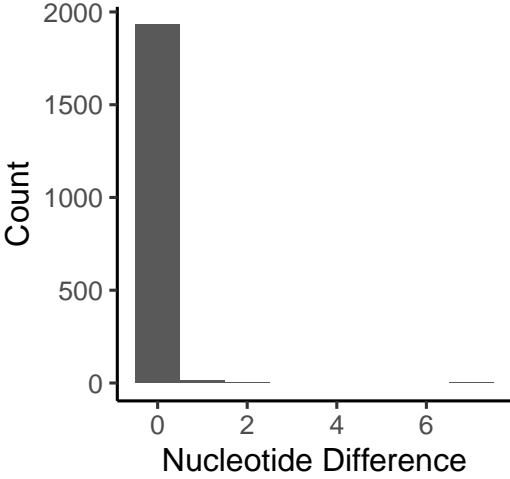
TRBV5-5*ap01

2450 sequences assigned
2441 (99.6%) exact matches, in which:
2435 unique CDR3
13 unique J



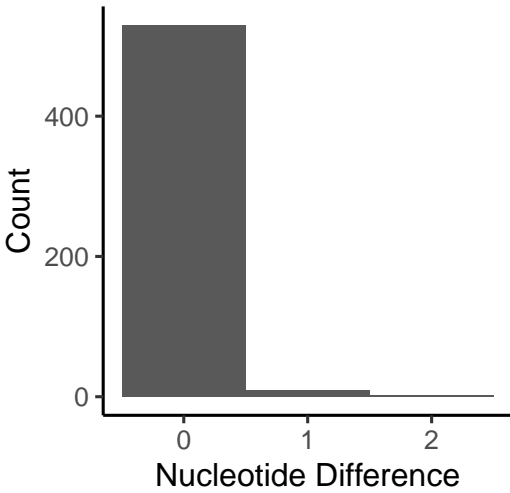
TRBV5-8*ap01

1951 sequences assigned
1931 (99%) exact matches, in which:
1912 unique CDR3
13 unique J



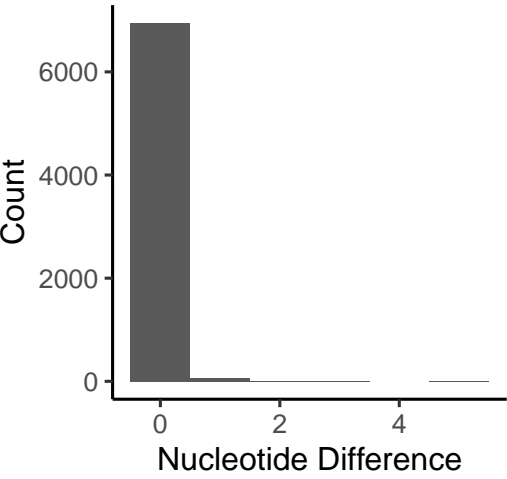
TRBV6-7*ap01

541 sequences assigned
530 (98%) exact matches, in which:
521 unique CDR3
13 unique J



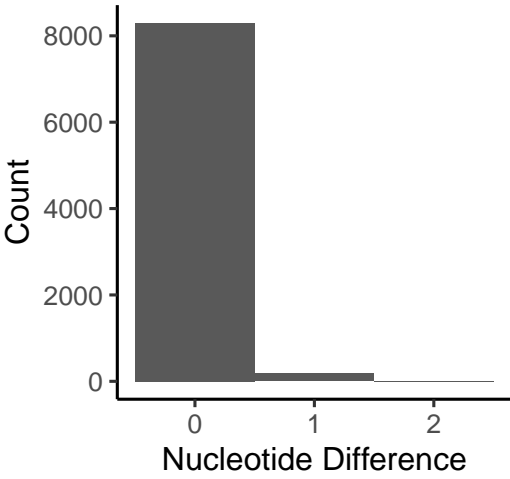
TRBV5-6*ap01

7011 sequences assigned
6947 (99.1%) exact matches, in which:
6744 unique CDR3
13 unique J



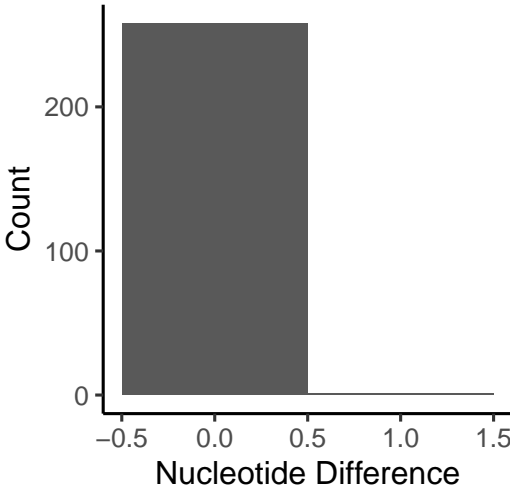
TRBV6-1*ap01

8478 sequences assigned
8296 (97.9%) exact matches, in which:
8147 unique CDR3
13 unique J



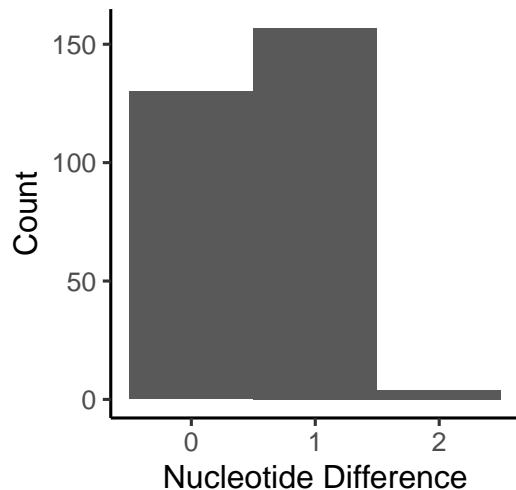
TRBV6-8*ap01

259 sequences assigned
258 (99.6%) exact matches, in which:
251 unique CDR3
13 unique J



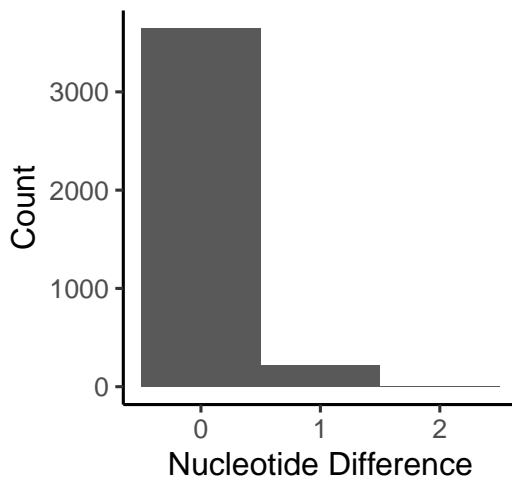
TRBV6-9*ap01

291 sequences assigned
130 (44.7%) exact matches, in which:
125 unique CDR3
12 unique J



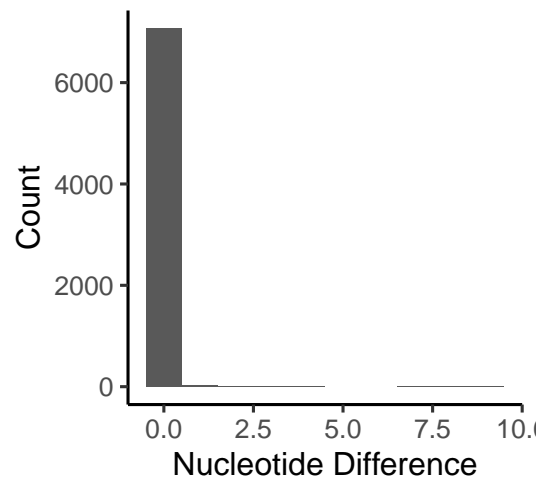
TRBV6-56*ap02

3872 sequences assigned
3646 (94.2%) exact matches, in which:
3539 unique CDR3
13 unique J



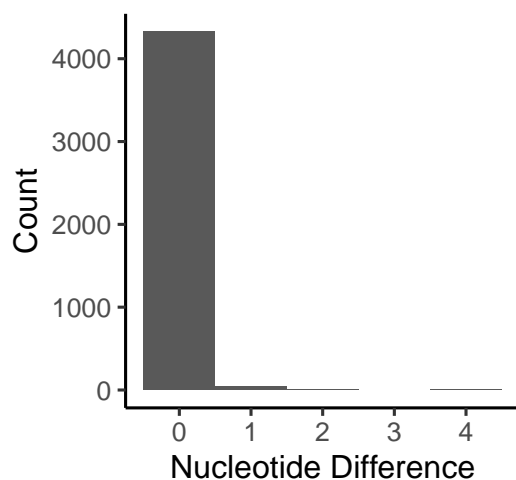
TRBV7-3*ap01

7115 sequences assigned
7070 (99.4%) exact matches, in which:
7006 unique CDR3
13 unique J



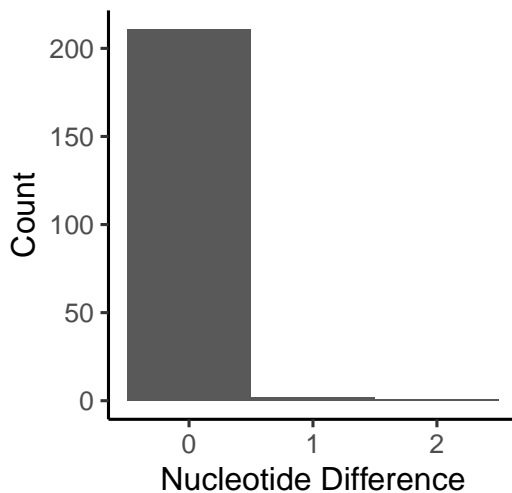
TRBV6-23*ap01

4368 sequences assigned
4326 (99%) exact matches, in which:
4219 unique CDR3
13 unique J



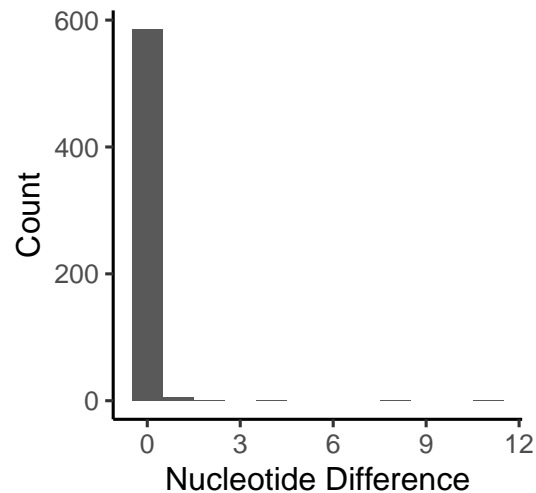
TRBV7-1*ap01_G291C_

214 sequences assigned
211 (98.6%) exact matches, in which:
210 unique CDR3
13 unique J



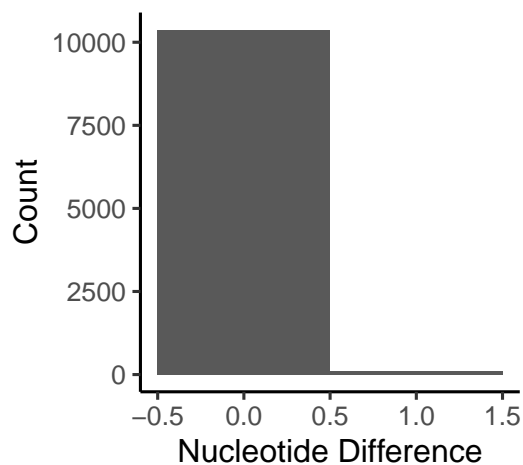
TRBV7-4*ap01

596 sequences assigned
586 (98.3%) exact matches, in which:
577 unique CDR3
13 unique J



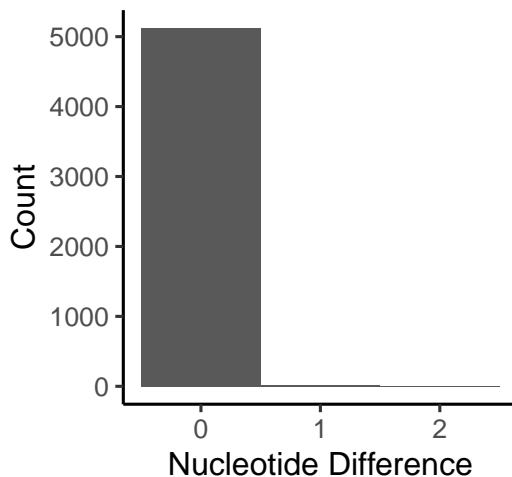
TRBV6-56*ap01

10470 sequences assigned
10375 (99.1%) exact matches, in which:
10123 unique CDR3
13 unique J



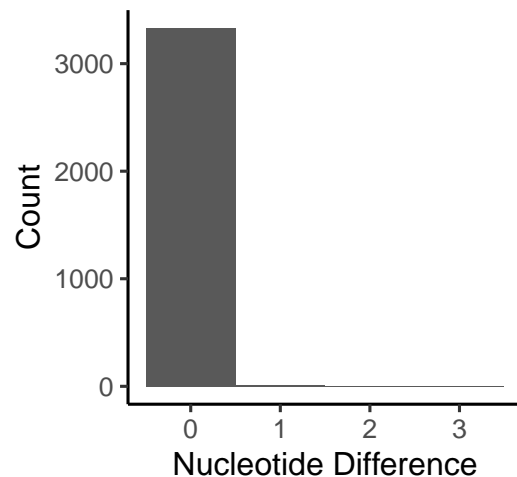
TRBV7-2*ap01

5149 sequences assigned
5123 (99.5%) exact matches, in which:
5060 unique CDR3
13 unique J



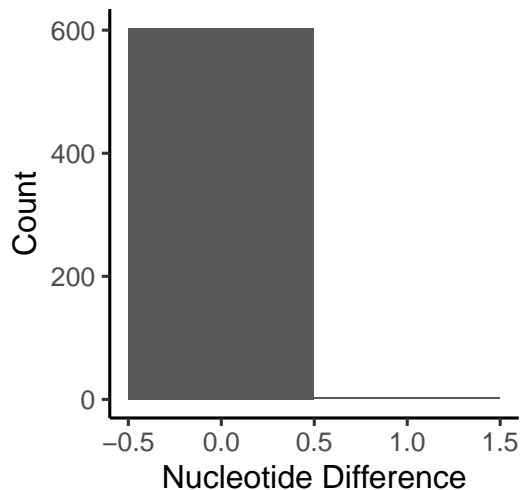
TRBV7-6*ap01

3344 sequences assigned
3331 (99.6%) exact matches, in which:
3280 unique CDR3
13 unique J



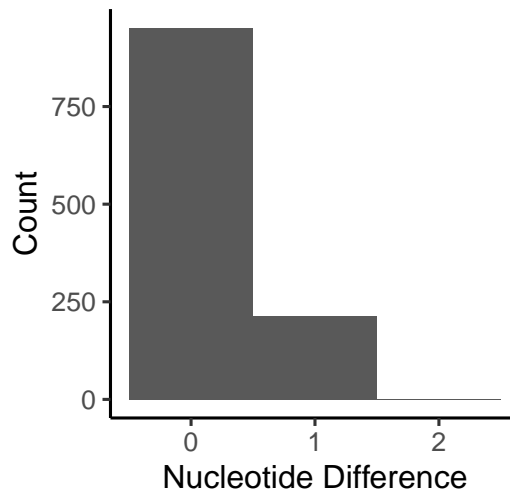
TRBV7-7*ap01

607 sequences assigned
604 (99.5%) exact matches, in which:
590 unique CDR3
13 unique J



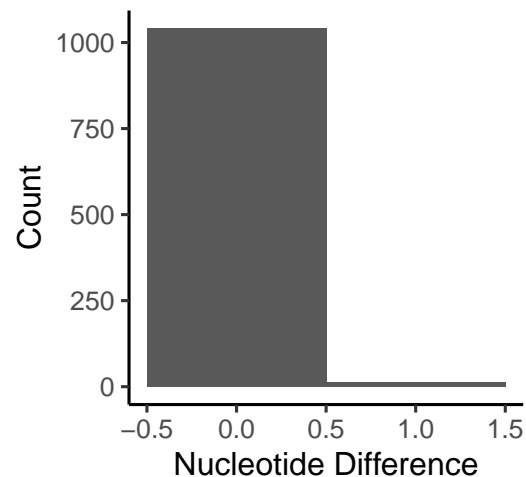
TRBV7-8*ap03

1166 sequences assigned
952 (81.6%) exact matches, in which:
933 unique CDR3
13 unique J



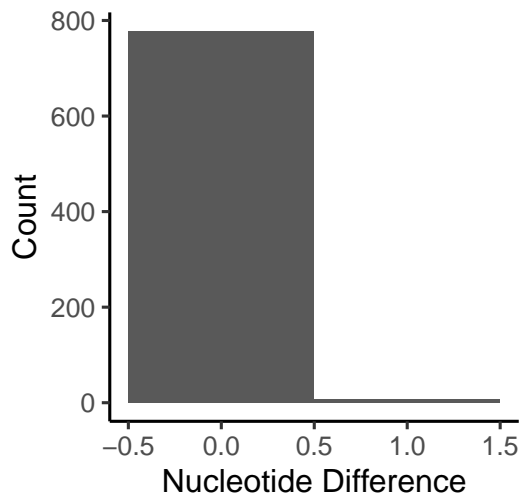
TRBV29-1*ap02

1054 sequences assigned
1041 (98.8%) exact matches, in which:
1008 unique CDR3
13 unique J



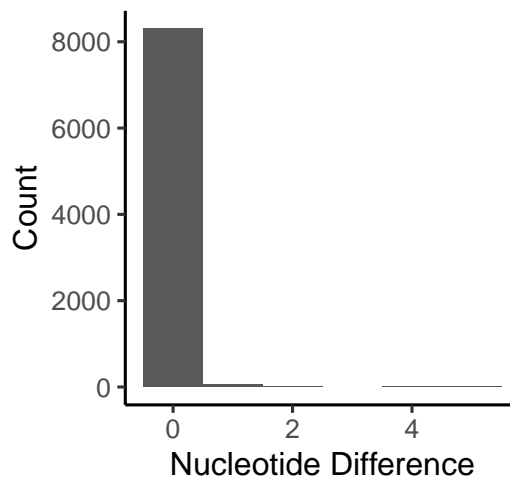
TRBV7-7*ap01_C315T

785 sequences assigned
778 (99.1%) exact matches, in which:
769 unique CDR3
13 unique J



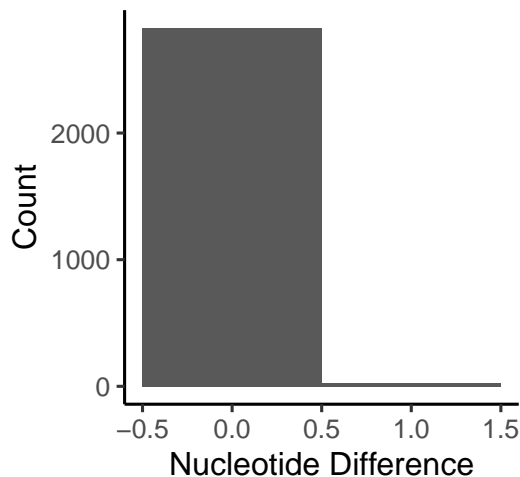
TRBV7-9*ap01

8357 sequences assigned
8302 (99.3%) exact matches, in which:
8204 unique CDR3
13 unique J



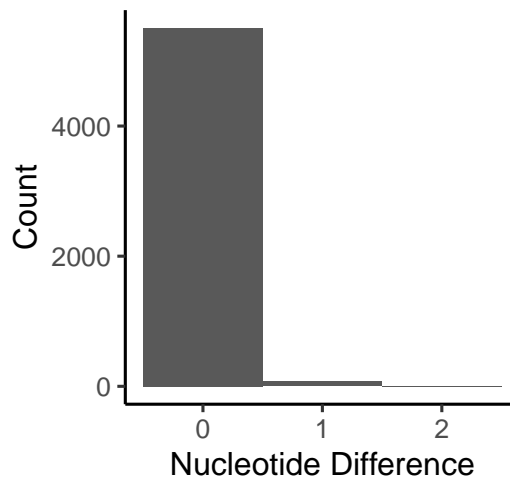
TRBV7-8*ap01

2856 sequences assigned
2829 (99.1%) exact matches, in which:
2777 unique CDR3
13 unique J

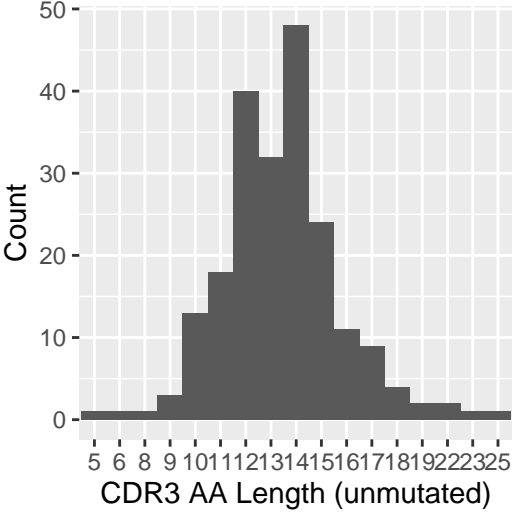


TRBV29-1*ap01

5582 sequences assigned
5506 (98.6%) exact matches, in which:
5352 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

