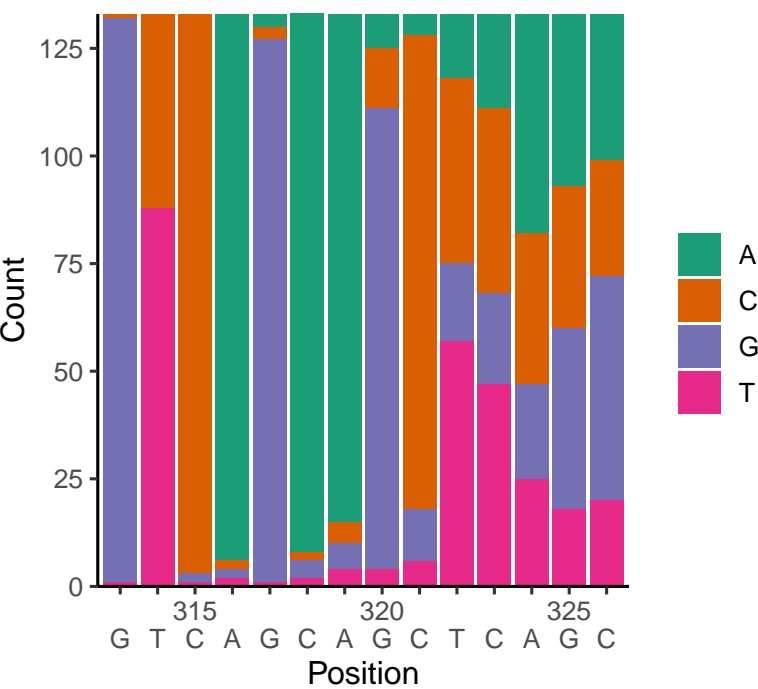
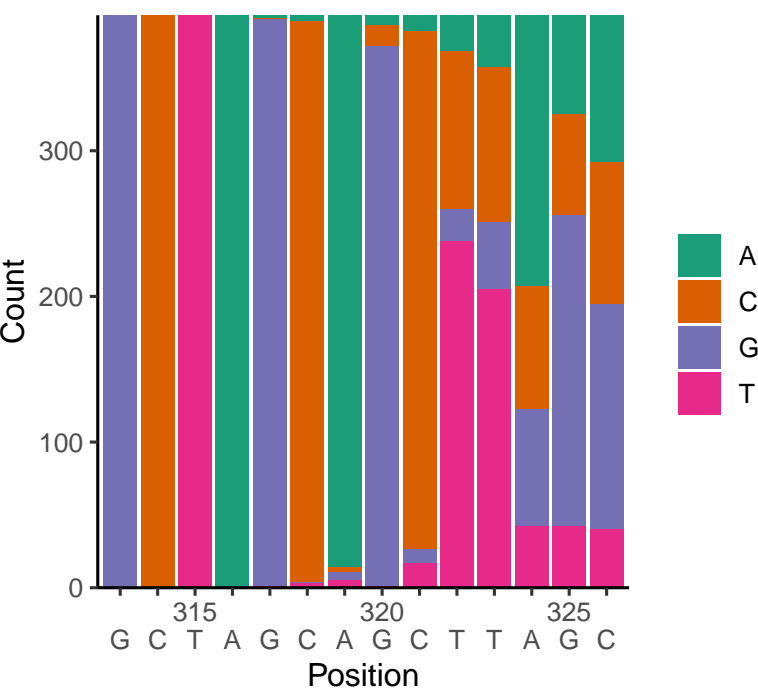


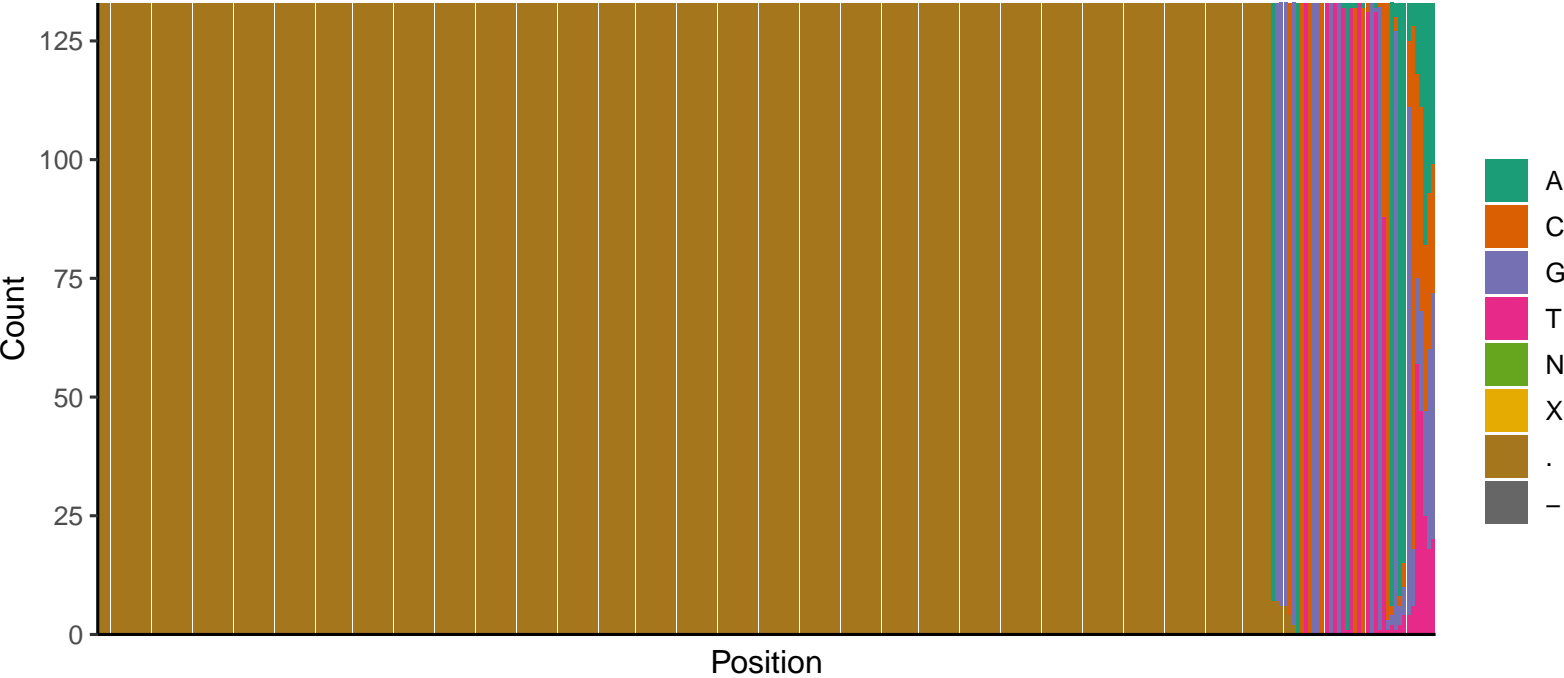
Gene TRBV7-1*ap01_G291C_T296C_C314T



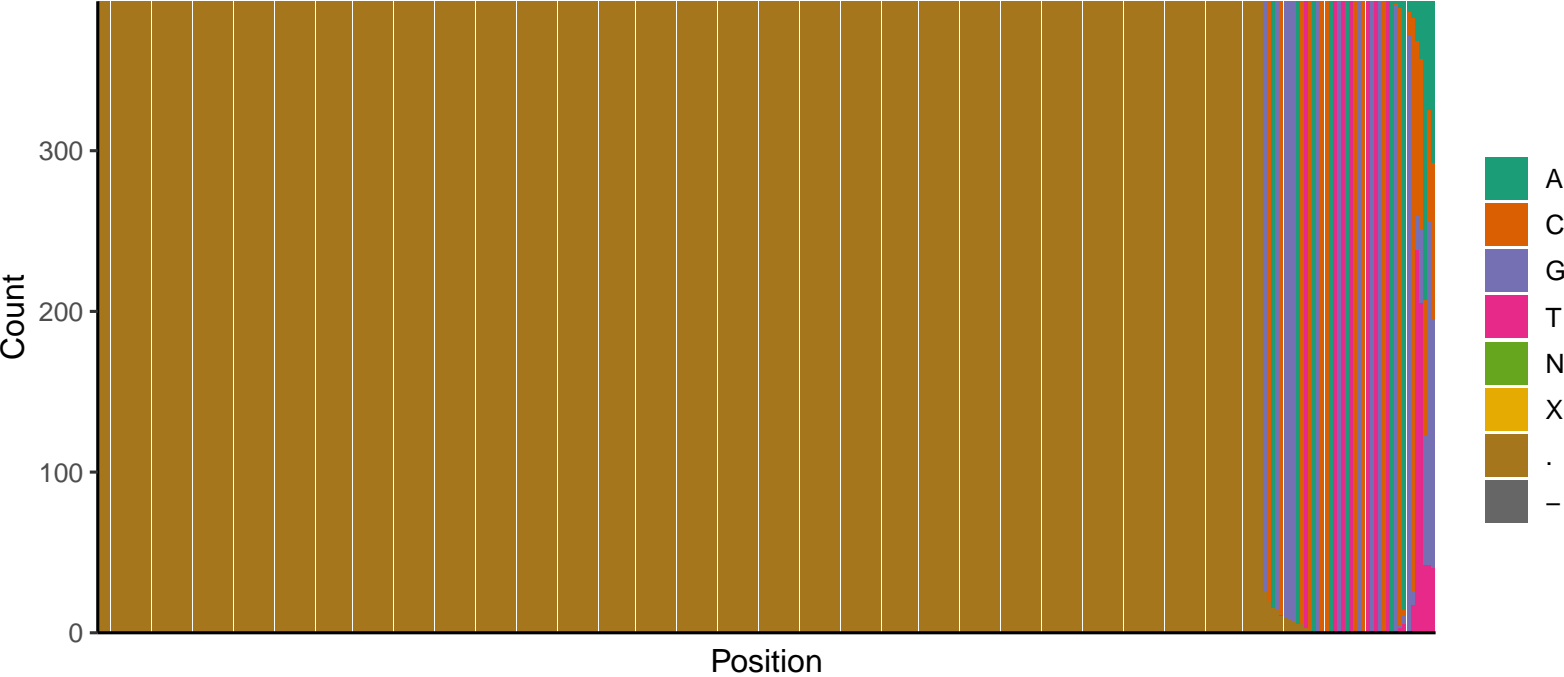
Gene TRBV7-7*ap01_C315T



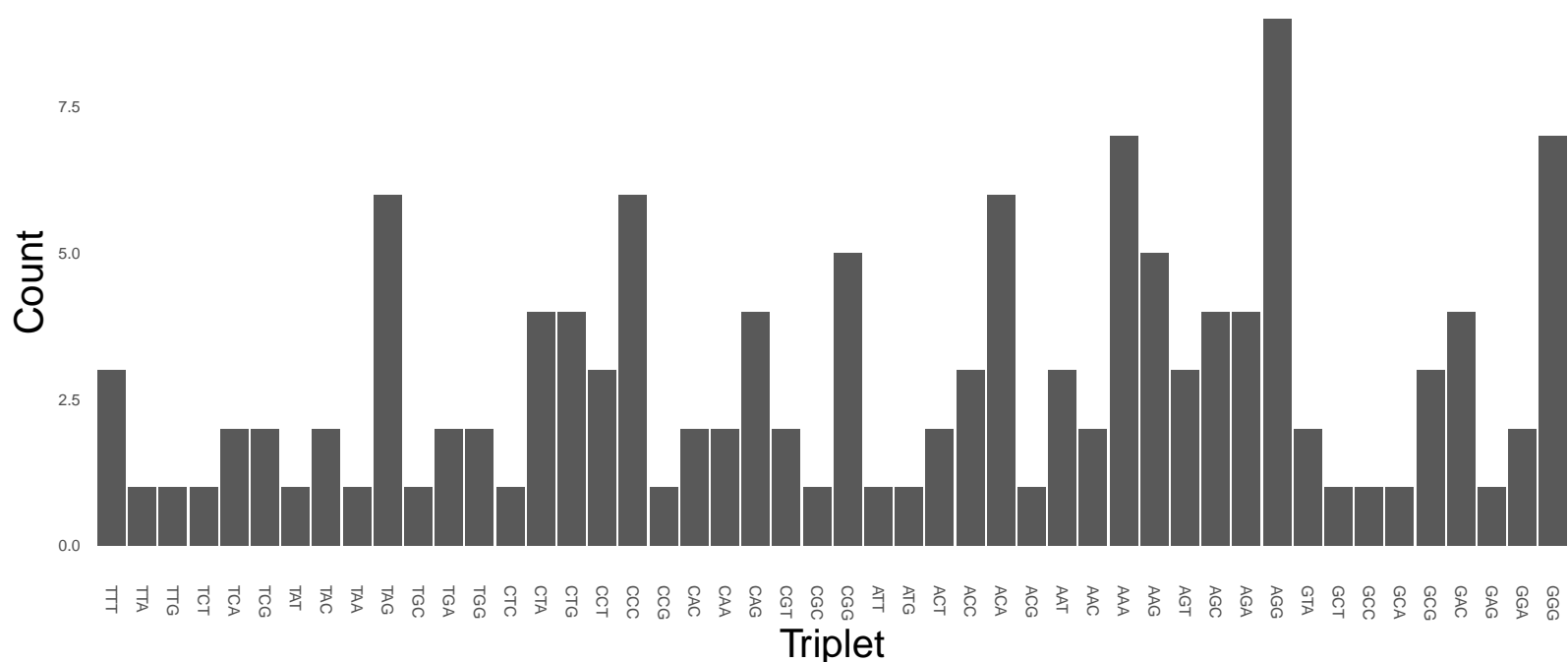
Gene TRBV7-1*ap01_G291C_T296C_C314T



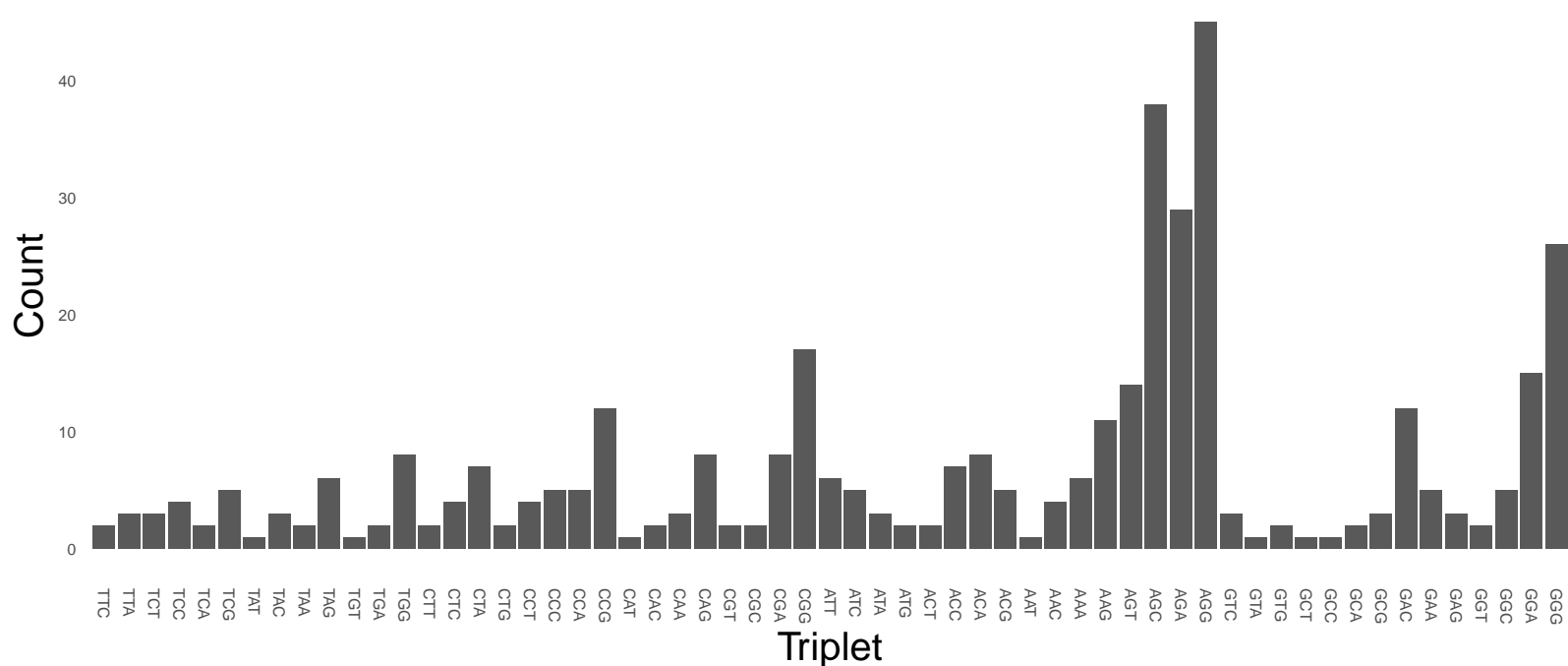
Gene TRBV7-7*ap01_C315T



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

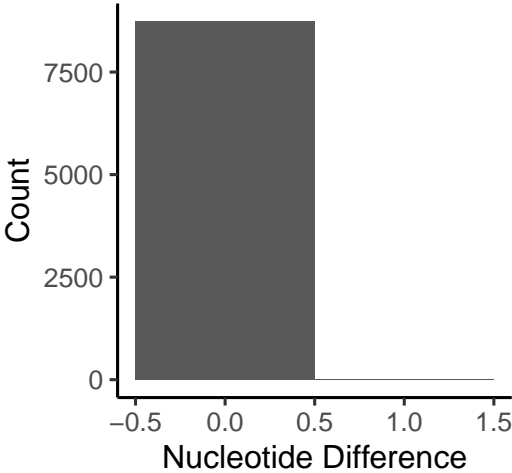


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



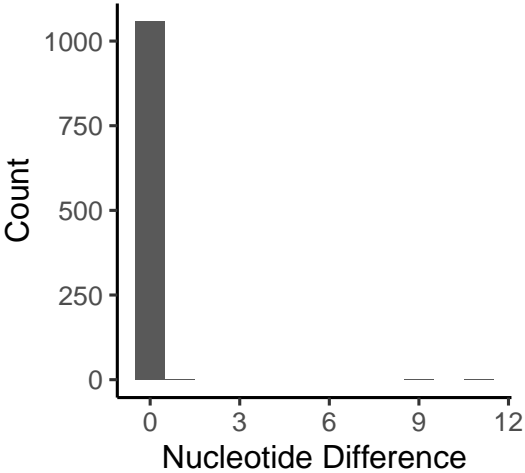
TRBV20-1*ap01

8754 sequences assigned
8735 (99.8%) exact matches, in which:
8715 unique CDR3
13 unique J



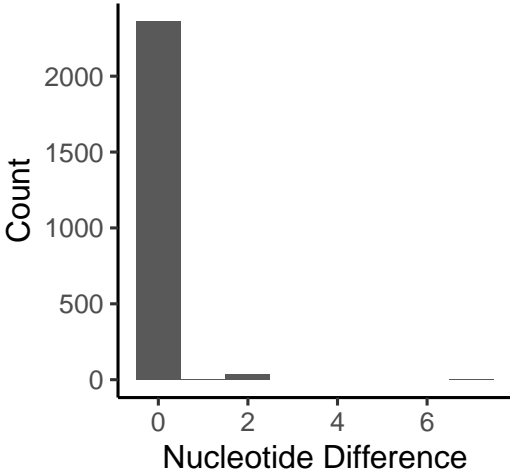
TRBV10-2*ap01

1062 sequences assigned
1058 (99.6%) exact matches, in which:
1058 unique CDR3
13 unique J



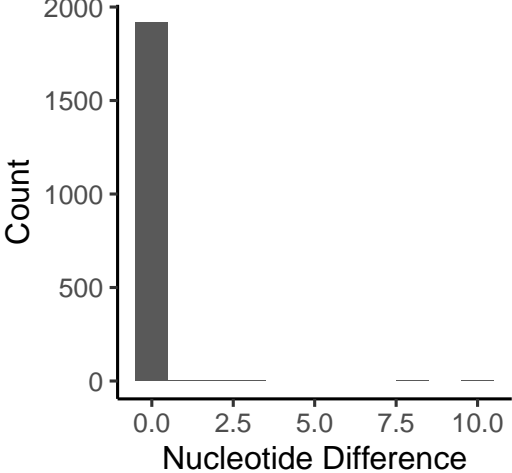
TRBV13*ap01

2403 sequences assigned
2361 (98.3%) exact matches, in which:
2359 unique CDR3
13 unique J



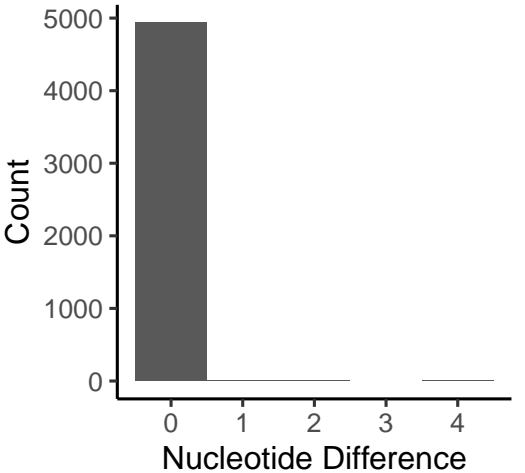
TRBV10-1*ap01

1924 sequences assigned
1916 (99.6%) exact matches, in which:
1915 unique CDR3
13 unique J



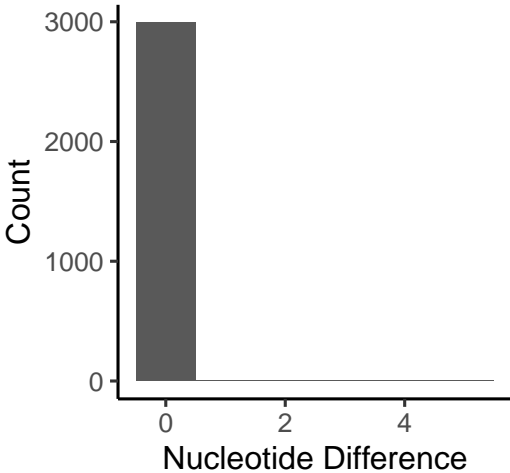
TRBV10-3*ap01

4947 sequences assigned
4936 (99.8%) exact matches, in which:
4934 unique CDR3
13 unique J



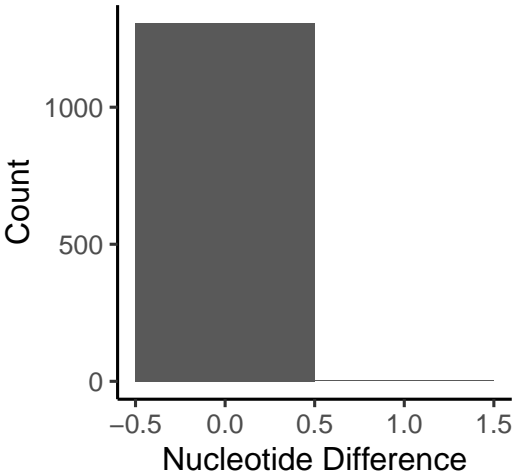
TRBV14*ap01

2998 sequences assigned
2992 (99.8%) exact matches, in which:
2990 unique CDR3
13 unique J



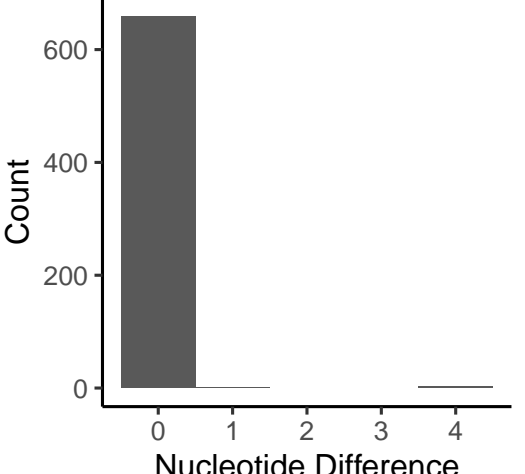
TRBV20-1*ap02

1310 sequences assigned
1307 (99.8%) exact matches, in which:
1307 unique CDR3
13 unique J



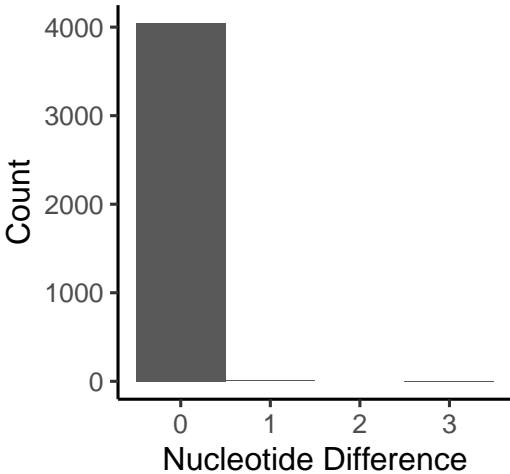
TRBV1*ap01

663 sequences assigned
659 (99.4%) exact matches, in which:
658 unique CDR3
13 unique J



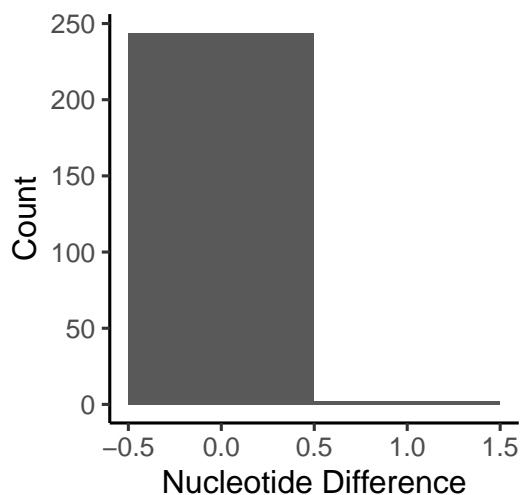
TRBV15*ap02

4055 sequences assigned
4046 (99.8%) exact matches, in which:
4043 unique CDR3
13 unique J



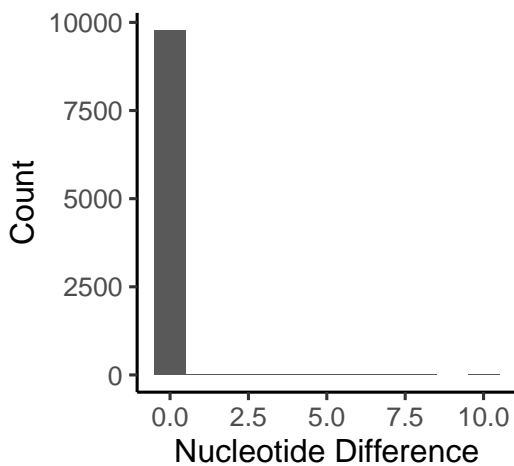
TRBV16*ap01

246 sequences assigned
244 (99.2%) exact matches, in which:
244 unique CDR3
13 unique J



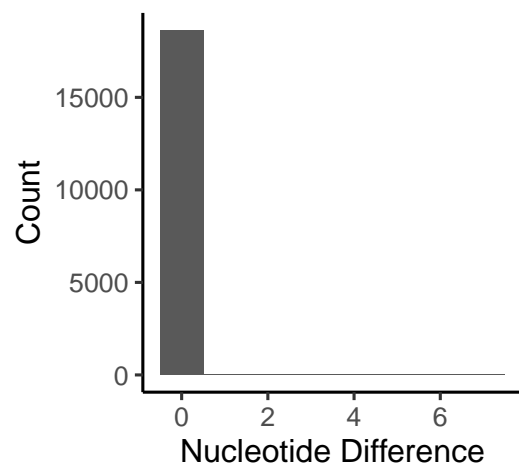
TRBV19*ap01

9825 sequences assigned
9780 (99.5%) exact matches, in which:
9779 unique CDR3
13 unique J



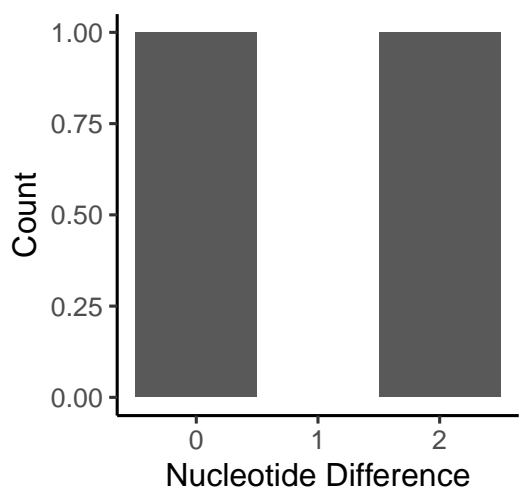
TRBV28*ap01

18673 sequences assigned
18631 (99.8%) exact matches, in which:
18623 unique CDR3
13 unique J



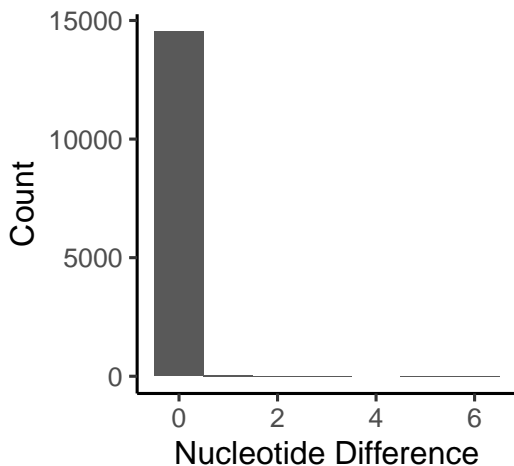
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



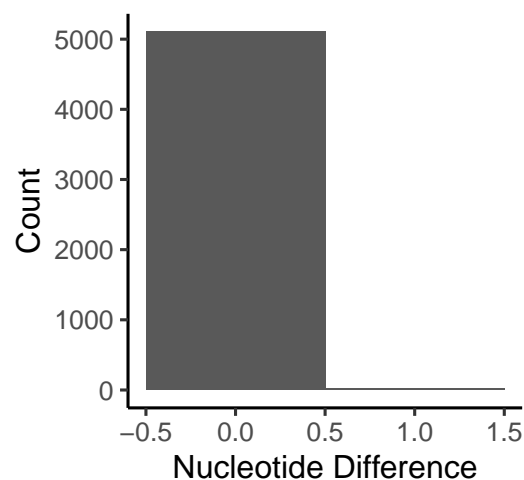
TRBV2*ap01

14592 sequences assigned
14537 (99.6%) exact matches, in which:
14487 unique CDR3
13 unique J



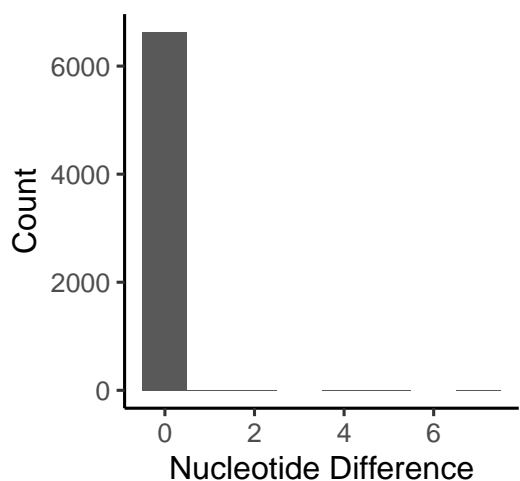
TRBV30*ap01

5130 sequences assigned
5106 (99.5%) exact matches, in which:
5073 unique CDR3
13 unique J



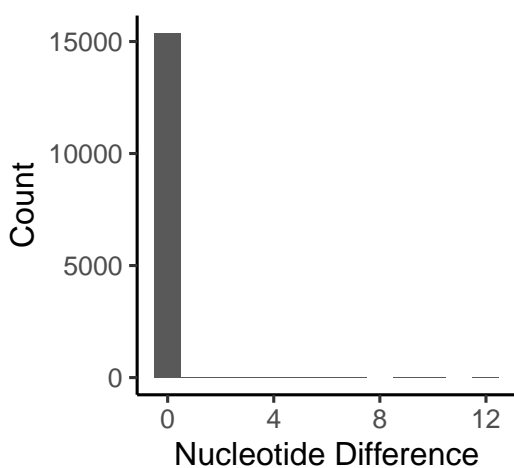
TRBV18*ap01

6643 sequences assigned
6630 (99.8%) exact matches, in which:
6628 unique CDR3
13 unique J



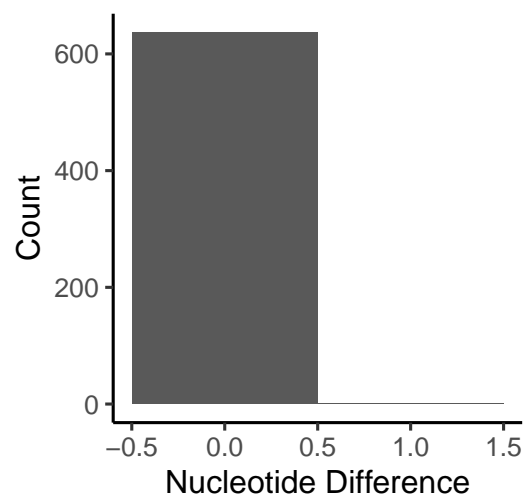
TRBV27*ap01

15447 sequences assigned
15389 (99.6%) exact matches, in which:
15326 unique CDR3
13 unique J



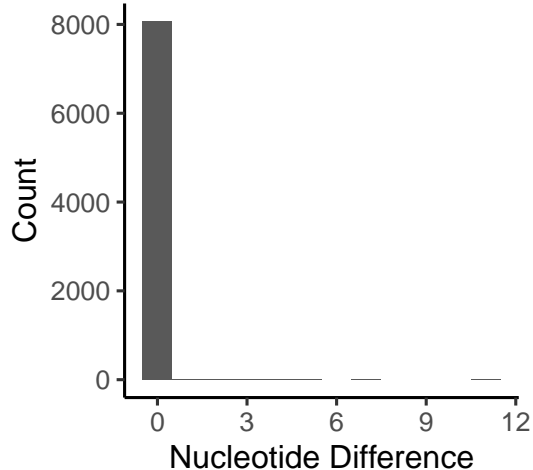
TRBV30*ap03

638 sequences assigned
637 (99.8%) exact matches, in which:
634 unique CDR3
13 unique J



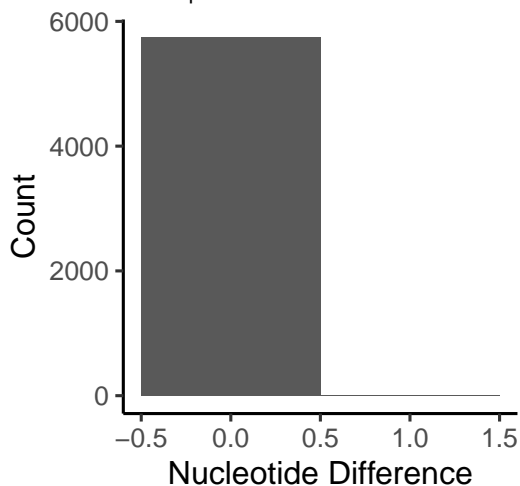
TRBV9*ap01

8088 sequences assigned
8068 (99.8%) exact matches, in which:
8059 unique CDR3
13 unique J



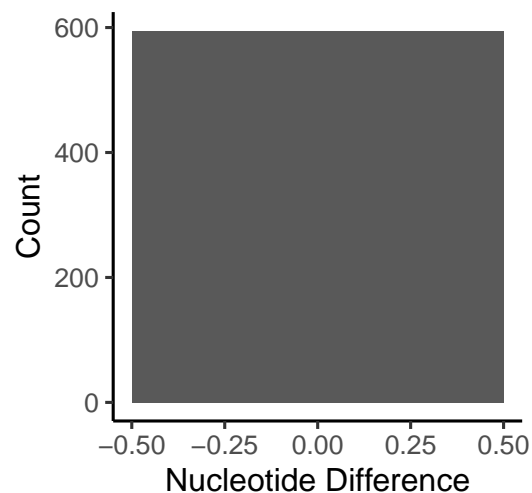
TRBV11-2*ap01

5755 sequences assigned
5743 (99.8%) exact matches, in which:
5741 unique CDR3
13 unique J



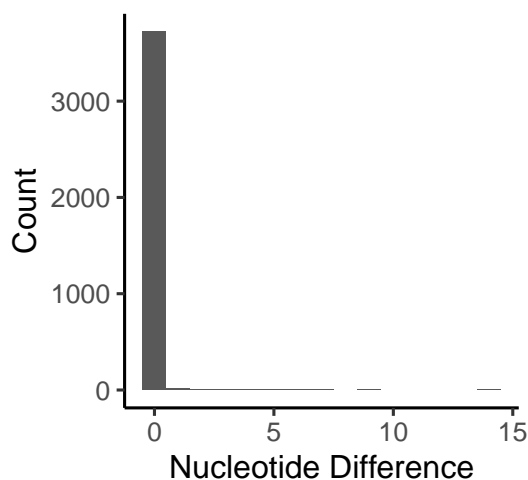
TRBV12-2*ap01

595 sequences assigned
595 (100%) exact matches, in which:
595 unique CDR3
13 unique J



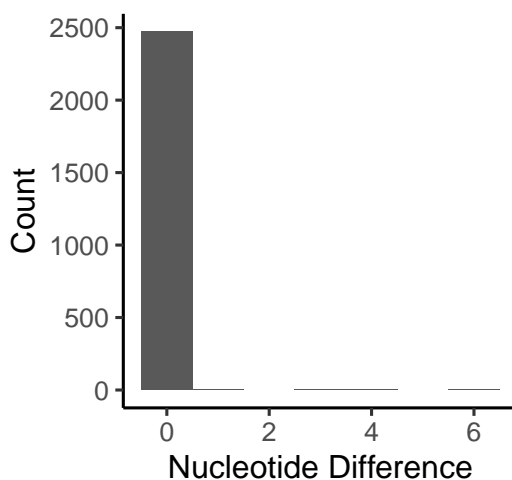
TRBV21-1*ap01

3757 sequences assigned
3721 (99%) exact matches, in which:
3721 unique CDR3
13 unique J



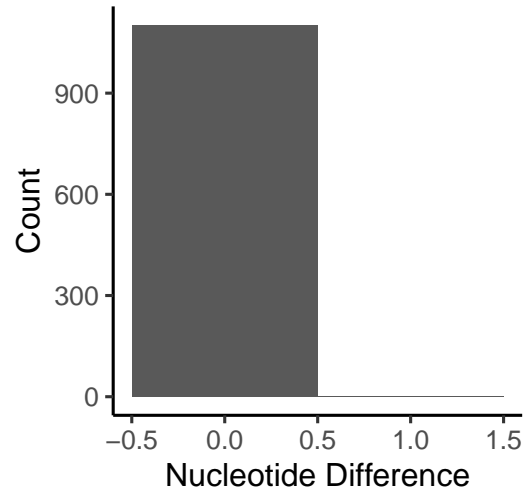
TRBV11-3*ap01

2479 sequences assigned
2472 (99.7%) exact matches, in which:
2471 unique CDR3
13 unique J



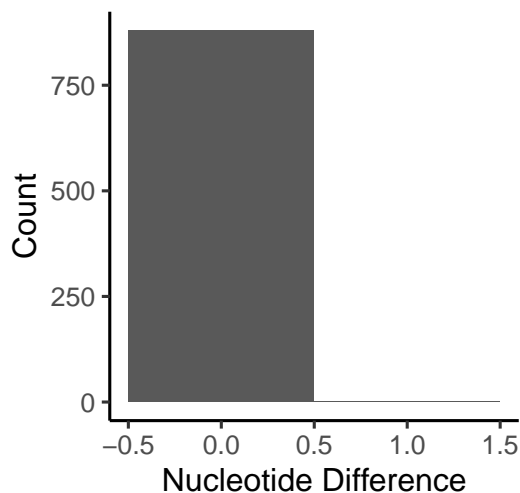
TRBV12-5*ap01

1103 sequences assigned
1102 (99.9%) exact matches, in which:
1102 unique CDR3
13 unique J



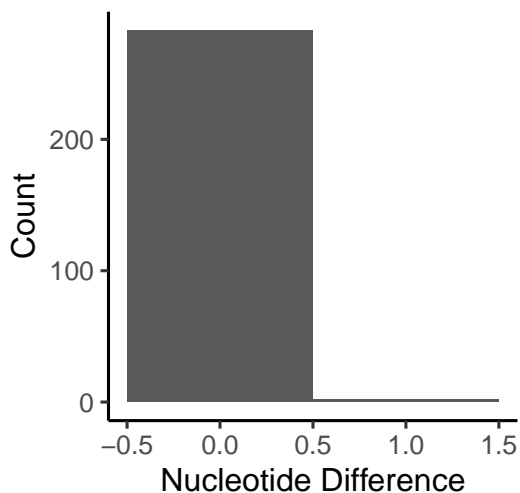
TRBV11-1*ap01

882 sequences assigned
880 (99.8%) exact matches, in which:
880 unique CDR3
13 unique J



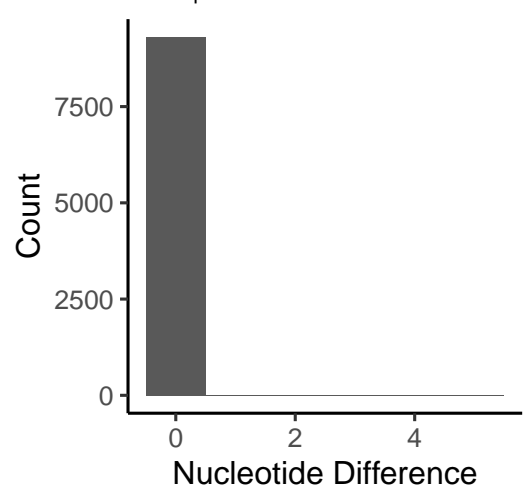
TRBV12-1*ap01

285 sequences assigned
283 (99.3%) exact matches, in which:
283 unique CDR3
13 unique J



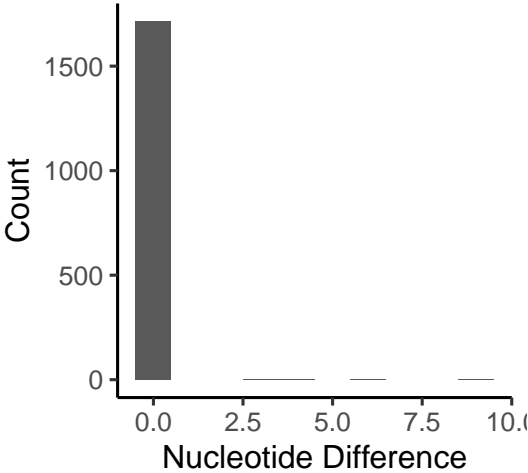
TRBV12-34*ap01

9326 sequences assigned
9307 (99.8%) exact matches, in which:
9303 unique CDR3
13 unique J



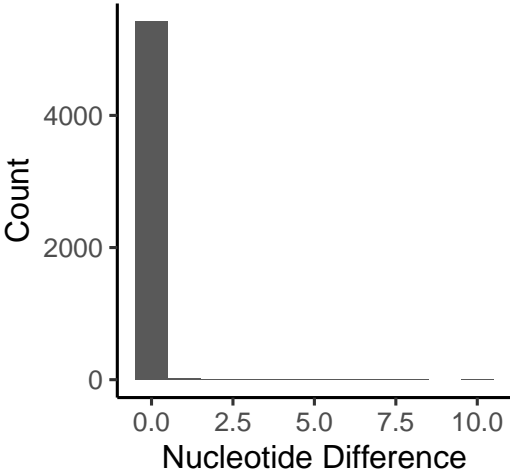
TRBV23-1*ap01

1719 sequences assigned
1714 (99.7%) exact matches, in which:
1712 unique CDR3
13 unique J



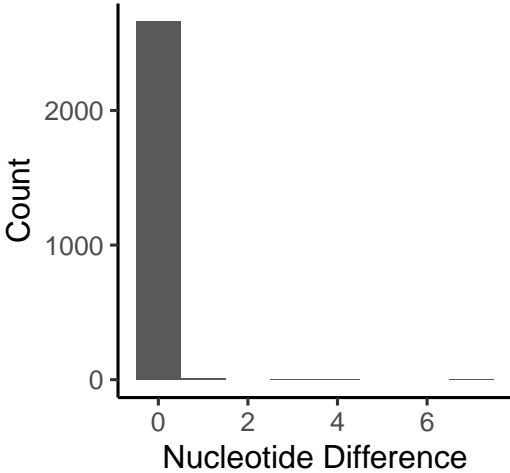
TRBV24-1*ap01

5456 sequences assigned
5423 (99.4%) exact matches, in which:
5406 unique CDR3
13 unique J



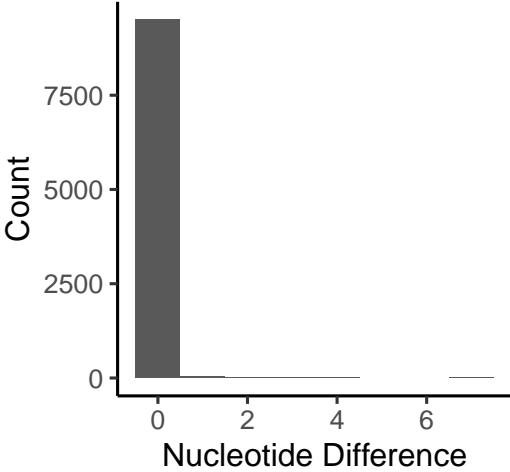
TRBV25-1*ap01

2676 sequences assigned
2662 (99.5%) exact matches, in which:
2655 unique CDR3
13 unique J



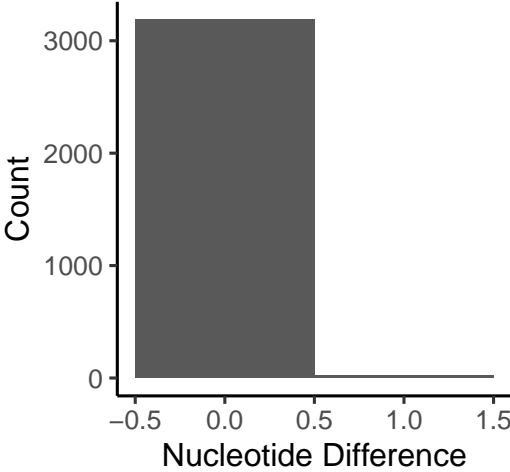
TRBV3-12*ap01

9540 sequences assigned
9502 (99.6%) exact matches, in which:
9464 unique CDR3
13 unique J



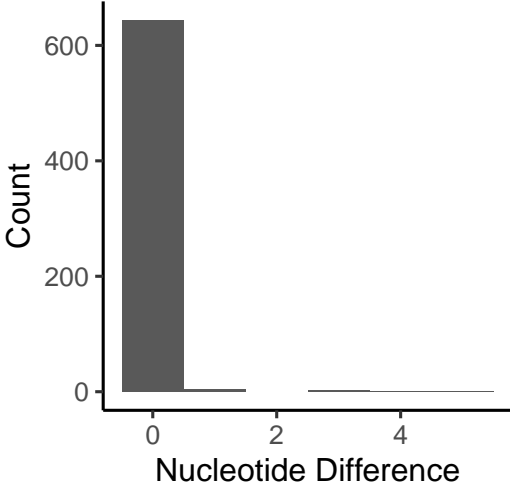
TRBV4-2*ap01

3206 sequences assigned
3187 (99.4%) exact matches, in which:
3185 unique CDR3
13 unique J



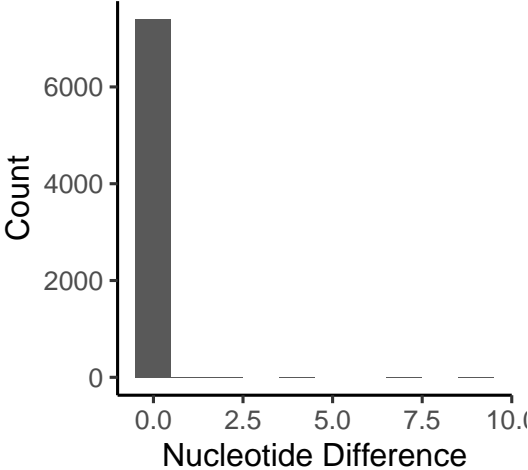
TRBV5-3*ap01

654 sequences assigned
644 (98.5%) exact matches, in which:
644 unique CDR3
13 unique J



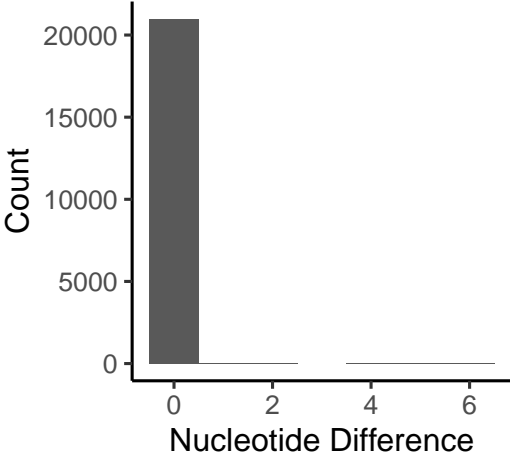
TRBV4-1*ap01

7417 sequences assigned
7402 (99.8%) exact matches, in which:
7389 unique CDR3
13 unique J



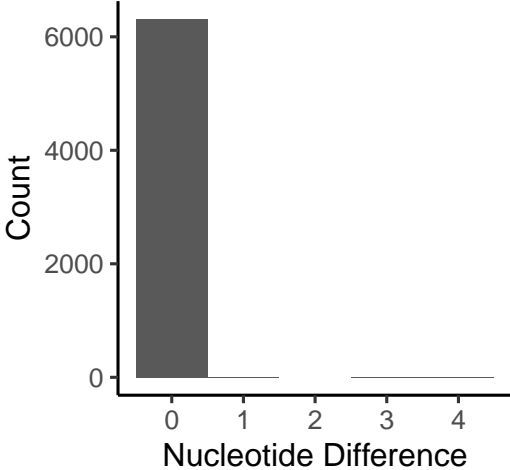
TRBV5-1*ap01

21027 sequences assigned
20989 (99.8%) exact matches, in which:
20918 unique CDR3
13 unique J



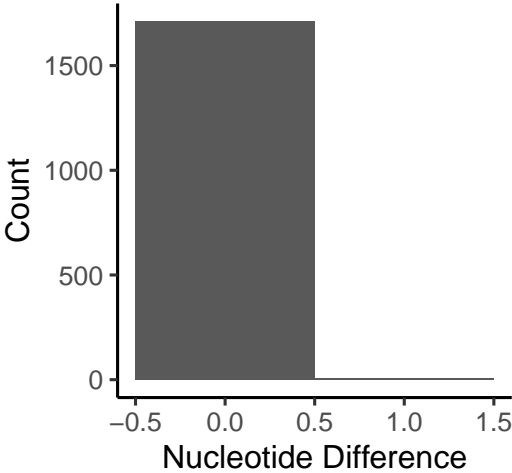
TRBV5-4*ap01

6325 sequences assigned
6313 (99.8%) exact matches, in which:
6310 unique CDR3
13 unique J



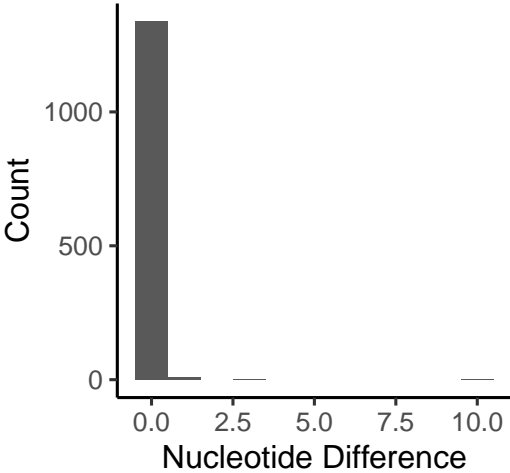
TRBV5-5*ap01

1720 sequences assigned
1711 (99.5%) exact matches, in which:
1710 unique CDR3
13 unique J



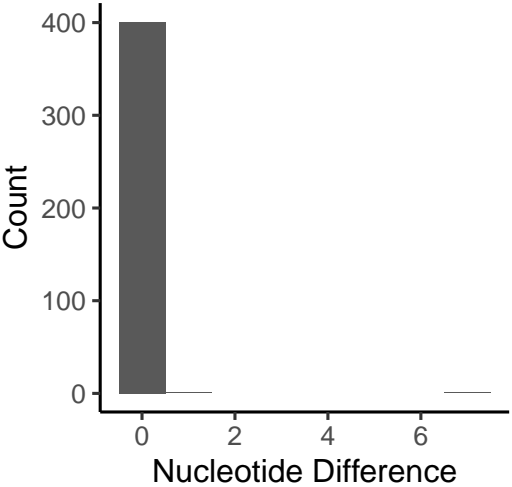
TRBV5-8*ap01

1349 sequences assigned
1338 (99.2%) exact matches, in which:
1337 unique CDR3
13 unique J



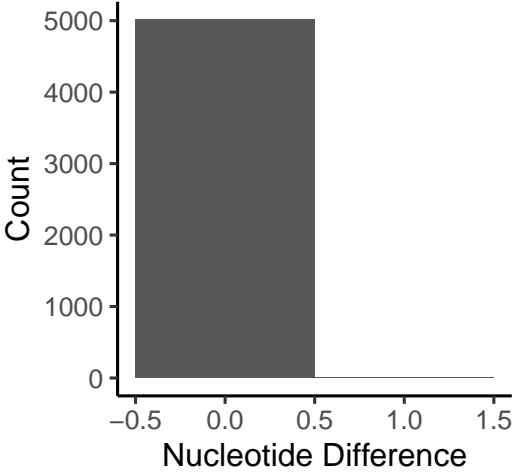
TRBV6-7*ap01

403 sequences assigned
401 (99.5%) exact matches, in which:
400 unique CDR3
13 unique J



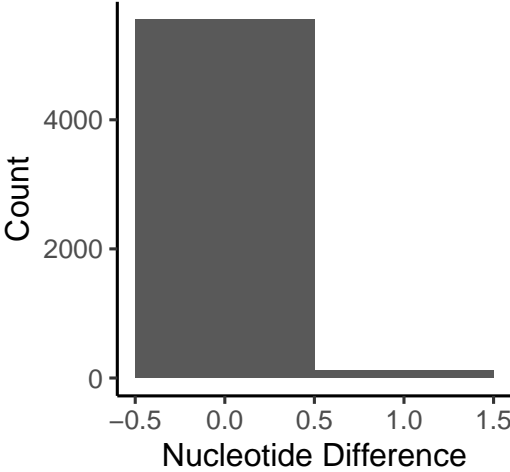
TRBV5-6*ap01

5024 sequences assigned
5013 (99.8%) exact matches, in which:
4983 unique CDR3
13 unique J



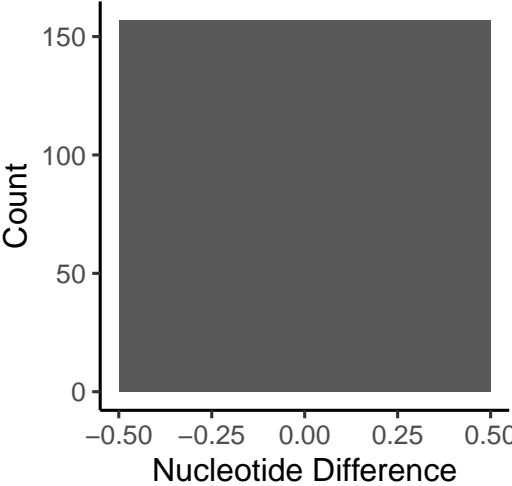
TRBV6-1*ap01

5659 sequences assigned
5550 (98.1%) exact matches, in which:
5539 unique CDR3
13 unique J



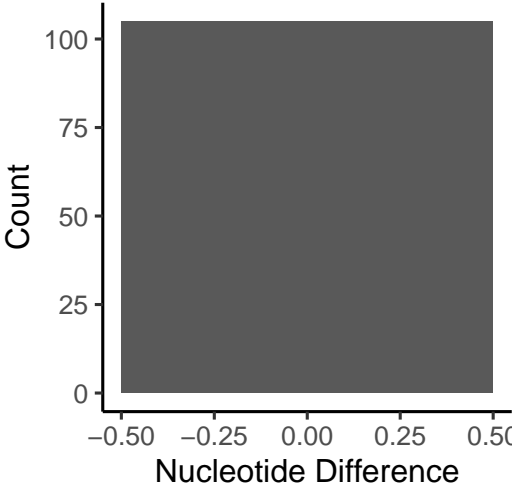
TRBV6-8*ap01

157 sequences assigned
157 (100%) exact matches, in which:
157 unique CDR3
13 unique J



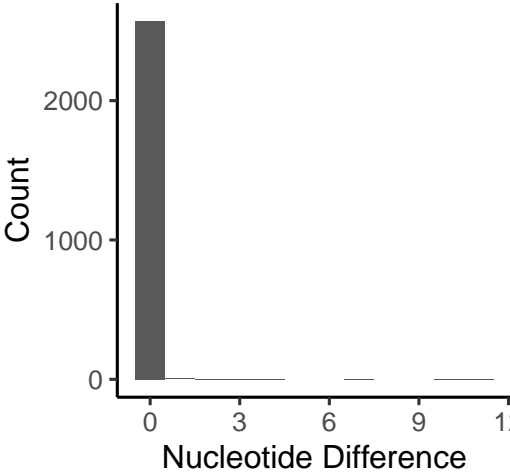
TRBV5-7*ap01

105 sequences assigned
105 (100%) exact matches, in which:
104 unique CDR3
12 unique J



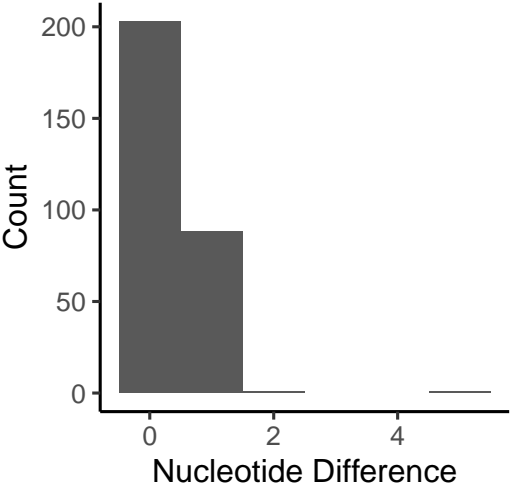
TRBV6-4*ap01

2587 sequences assigned
2571 (99.4%) exact matches, in which:
2570 unique CDR3
13 unique J



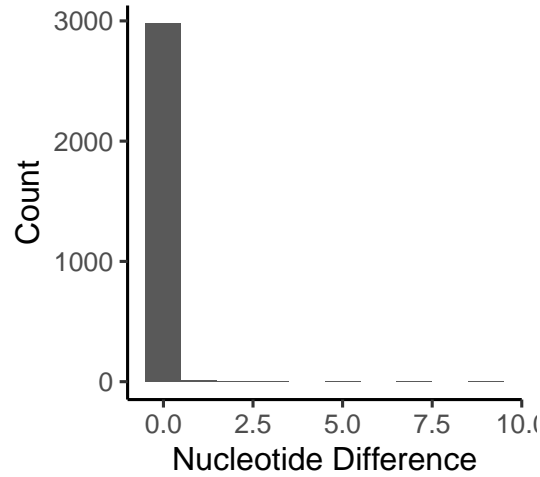
TRBV6-9*ap01

293 sequences assigned
203 (69.3%) exact matches, in which:
203 unique CDR3
13 unique J



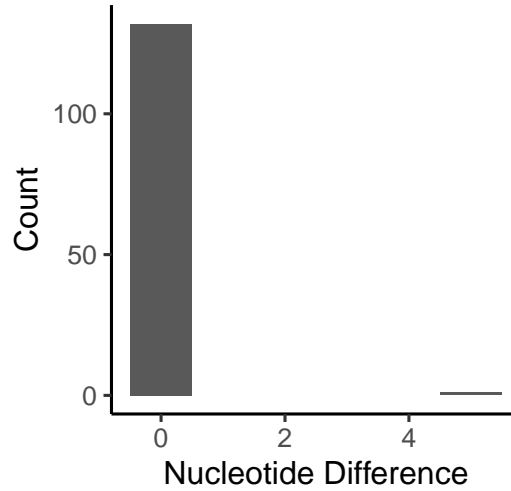
TRBV6-23*ap01

2995 sequences assigned
2979 (99.5%) exact matches, in which:
2965 unique CDR3
13 unique J



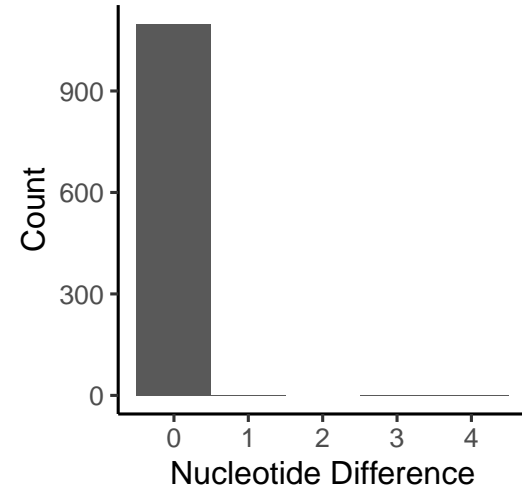
TRBV7-1*ap01_G291C_

133 sequences assigned
132 (99.2%) exact matches, in which:
132 unique CDR3
12 unique J



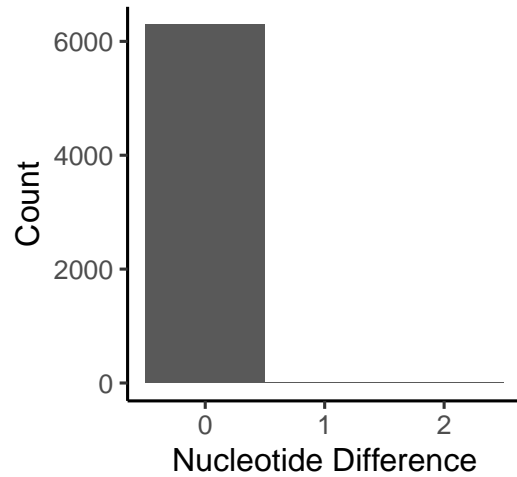
TRBV7-3*ap03

1103 sequences assigned
1099 (99.6%) exact matches, in which:
1099 unique CDR3
12 unique J



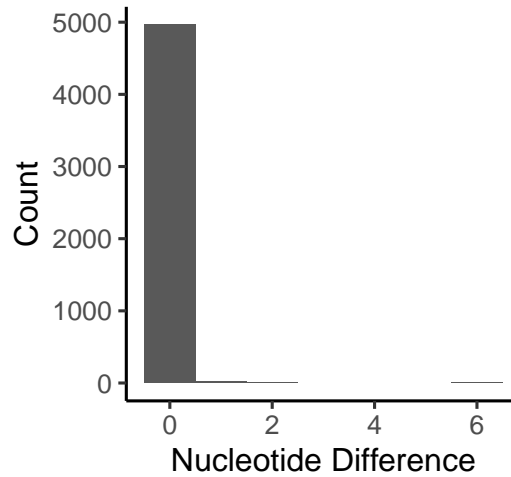
TRBV6-56*ap01

6306 sequences assigned
6292 (99.8%) exact matches, in which:
6277 unique CDR3
13 unique J



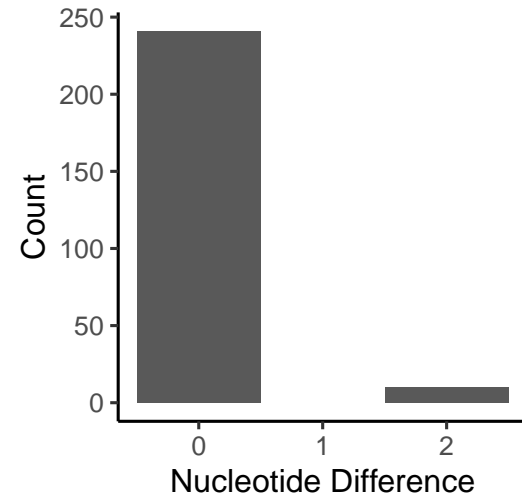
TRBV7-2*ap01

4982 sequences assigned
4965 (99.7%) exact matches, in which:
4964 unique CDR3
13 unique J



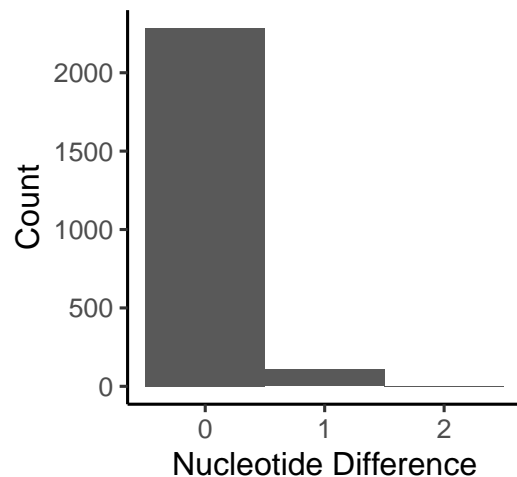
TRBV7-4*ap01

251 sequences assigned
241 (96%) exact matches, in which:
241 unique CDR3
13 unique J



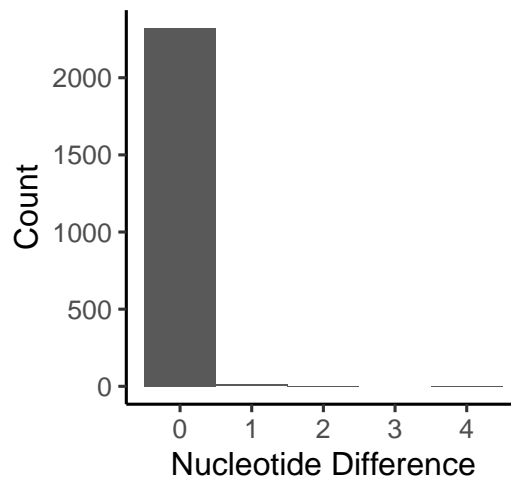
TRBV6-56*ap02

2393 sequences assigned
2285 (95.5%) exact matches, in which:
2280 unique CDR3
13 unique J



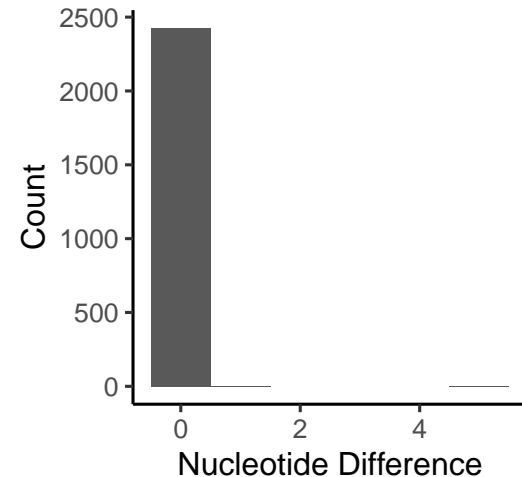
TRBV7-3*ap01

2335 sequences assigned
2322 (99.4%) exact matches, in which:
2317 unique CDR3
13 unique J



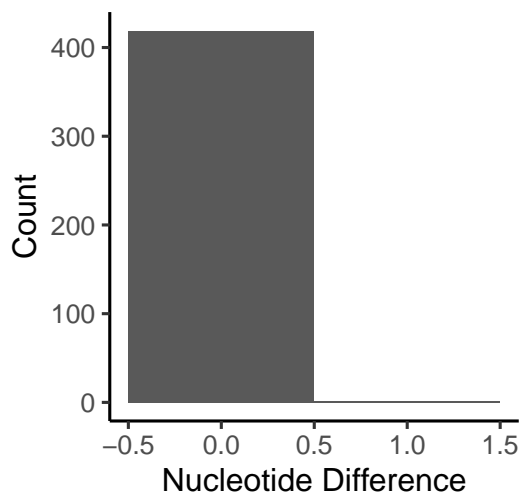
TRBV7-6*ap01

2428 sequences assigned
2426 (99.9%) exact matches, in which:
2422 unique CDR3
13 unique J



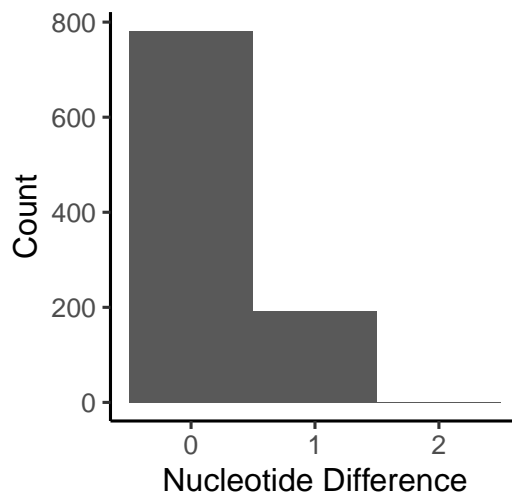
TRBV7-7*ap01

421 sequences assigned
419 (99.5%) exact matches, in which:
419 unique CDR3
12 unique J



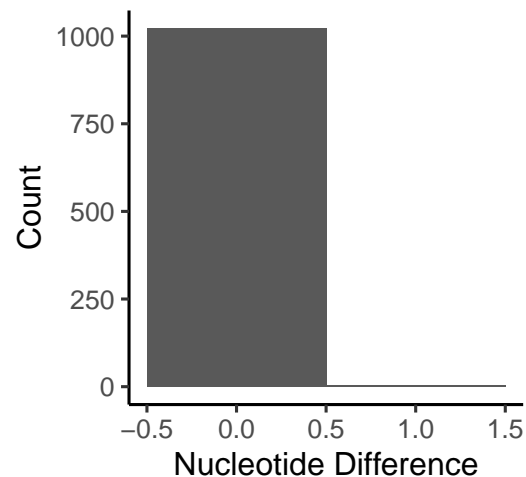
TRBV7-8*ap03

976 sequences assigned
782 (80.1%) exact matches, in which:
781 unique CDR3
13 unique J



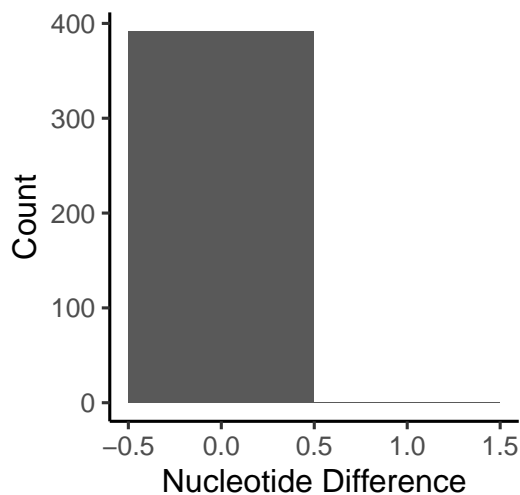
TRBV29-1*ap02

1027 sequences assigned
1022 (99.5%) exact matches, in which:
1020 unique CDR3
13 unique J



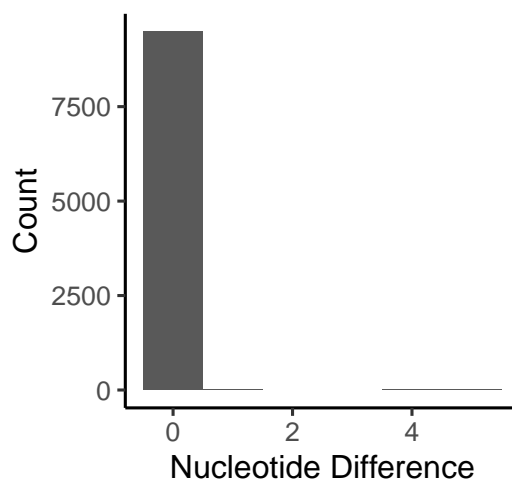
TRBV7-7*ap01_C315T

393 sequences assigned
392 (99.7%) exact matches, in which:
391 unique CDR3
13 unique J



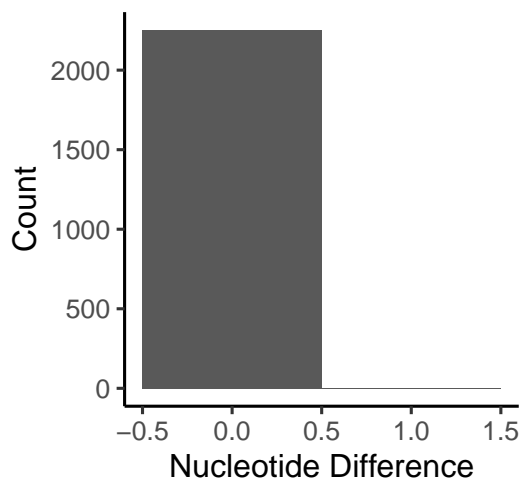
TRBV7-9*ap01

9502 sequences assigned
9483 (99.8%) exact matches, in which:
9478 unique CDR3
13 unique J



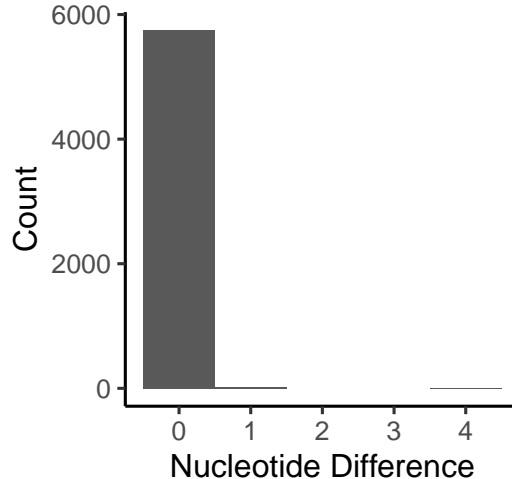
TRBV7-8*ap01

2254 sequences assigned
2252 (99.9%) exact matches, in which:
2252 unique CDR3
13 unique J

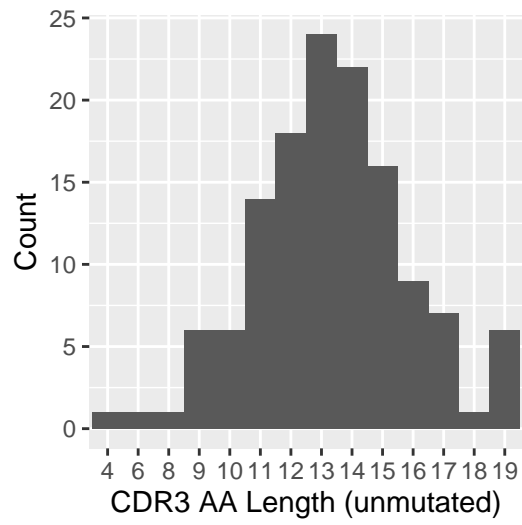


TRBV29-1*ap01

5778 sequences assigned
5751 (99.5%) exact matches, in which:
5731 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

