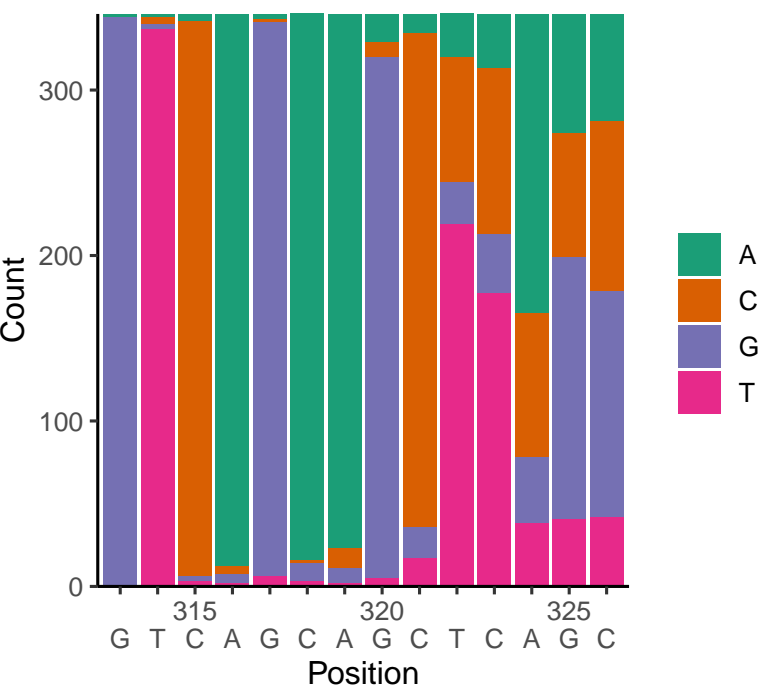
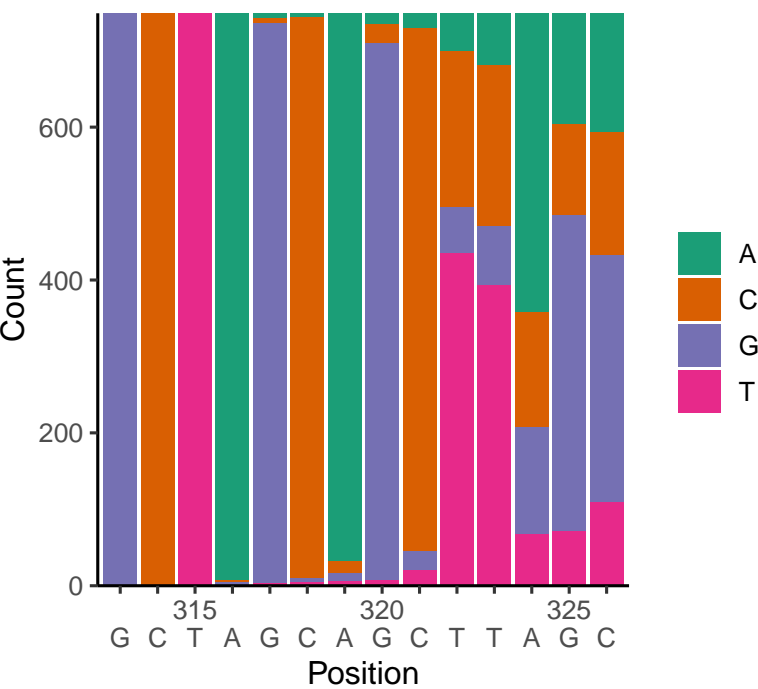


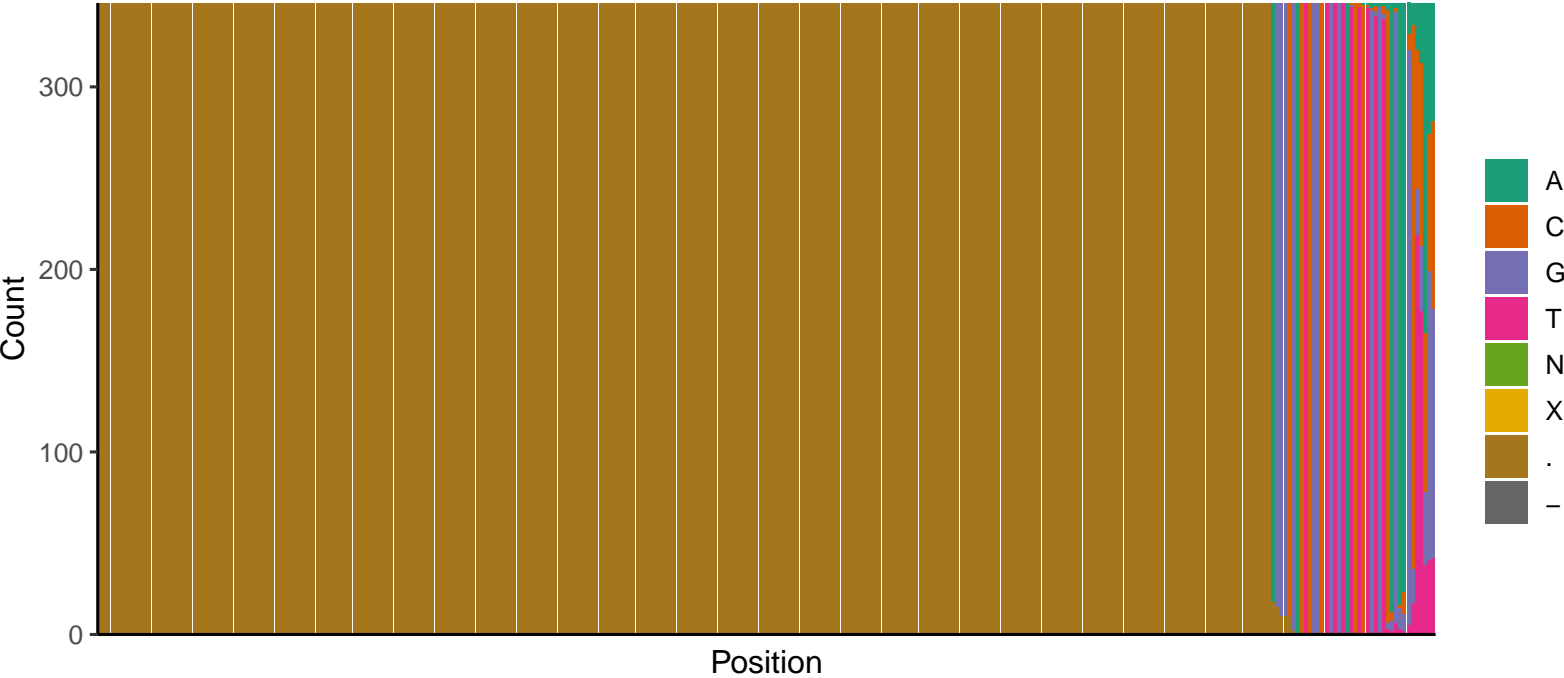
Gene TRBV7-1*ap01_T296C_C314T



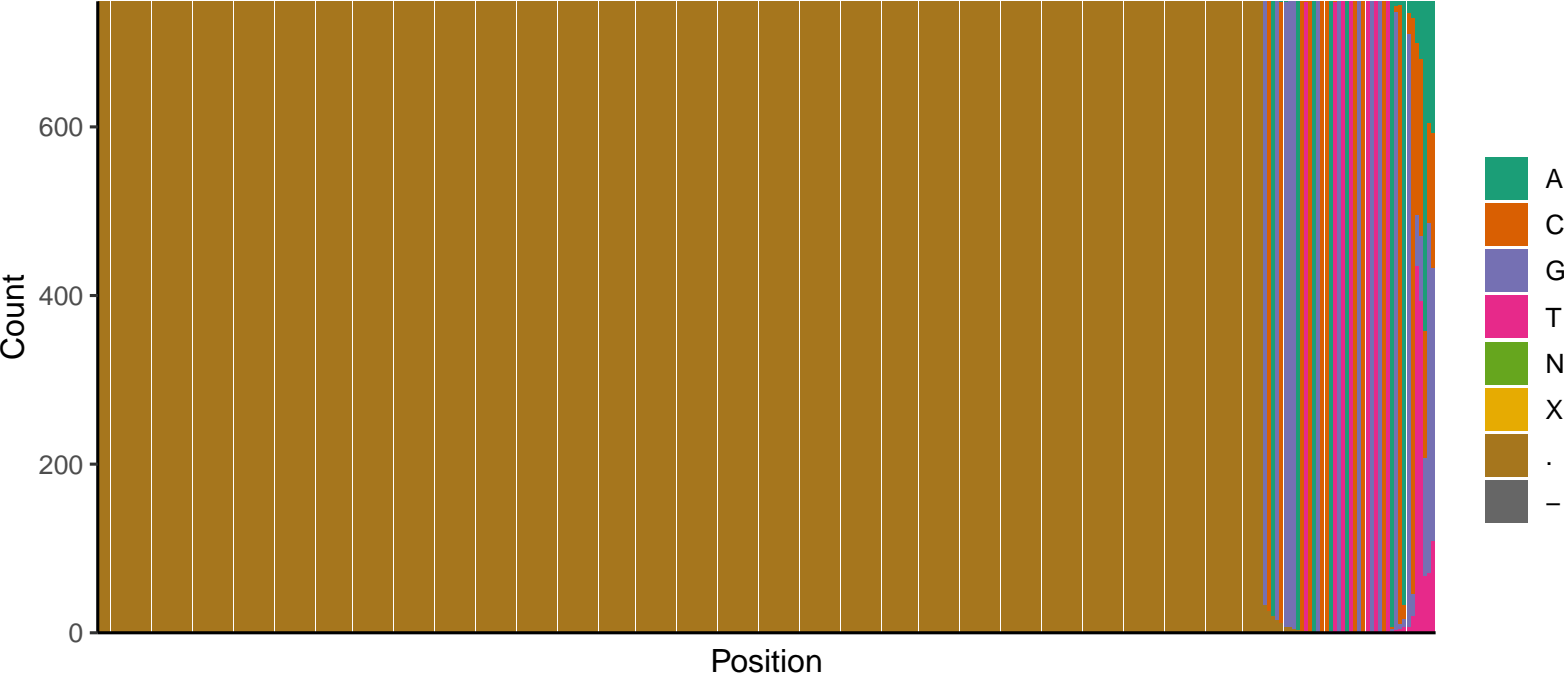
Gene TRBV7-7*ap01_C315T



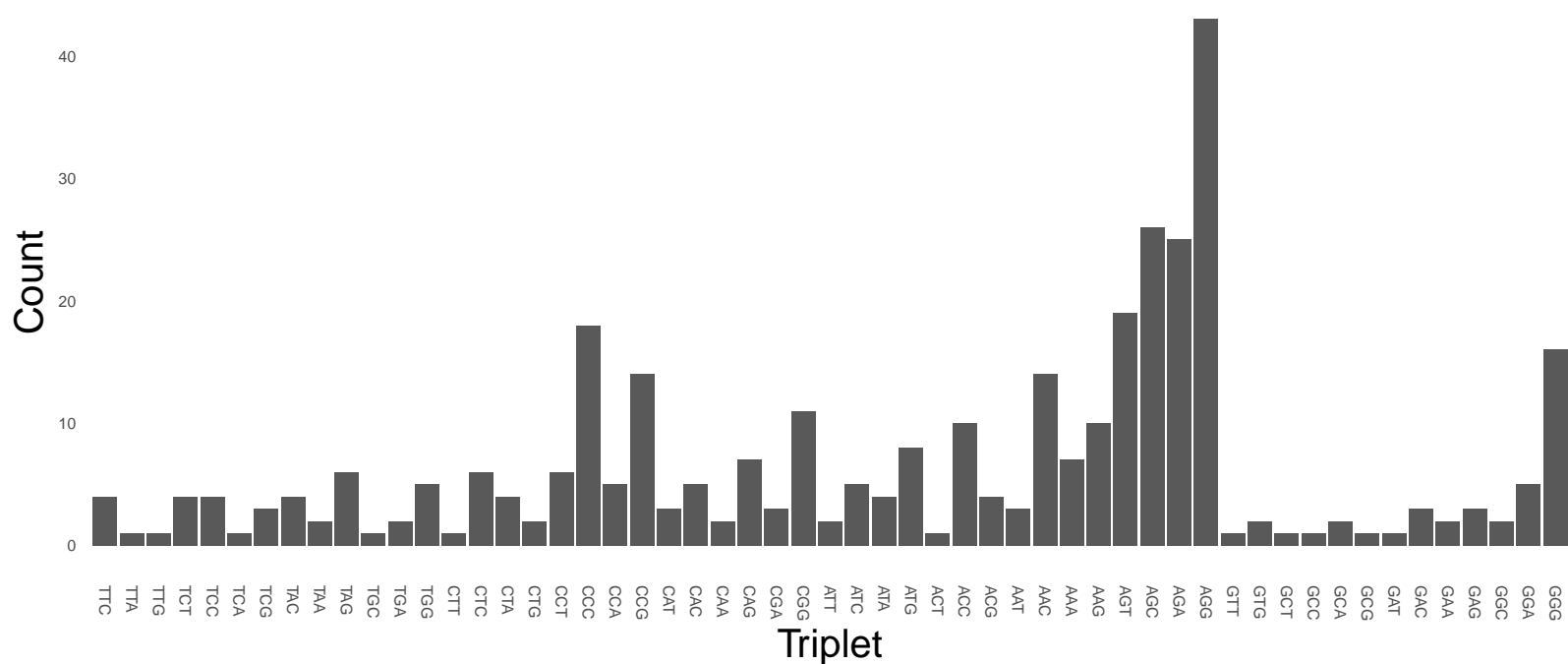
Gene TRBV7-1*ap01_T296C_C314T



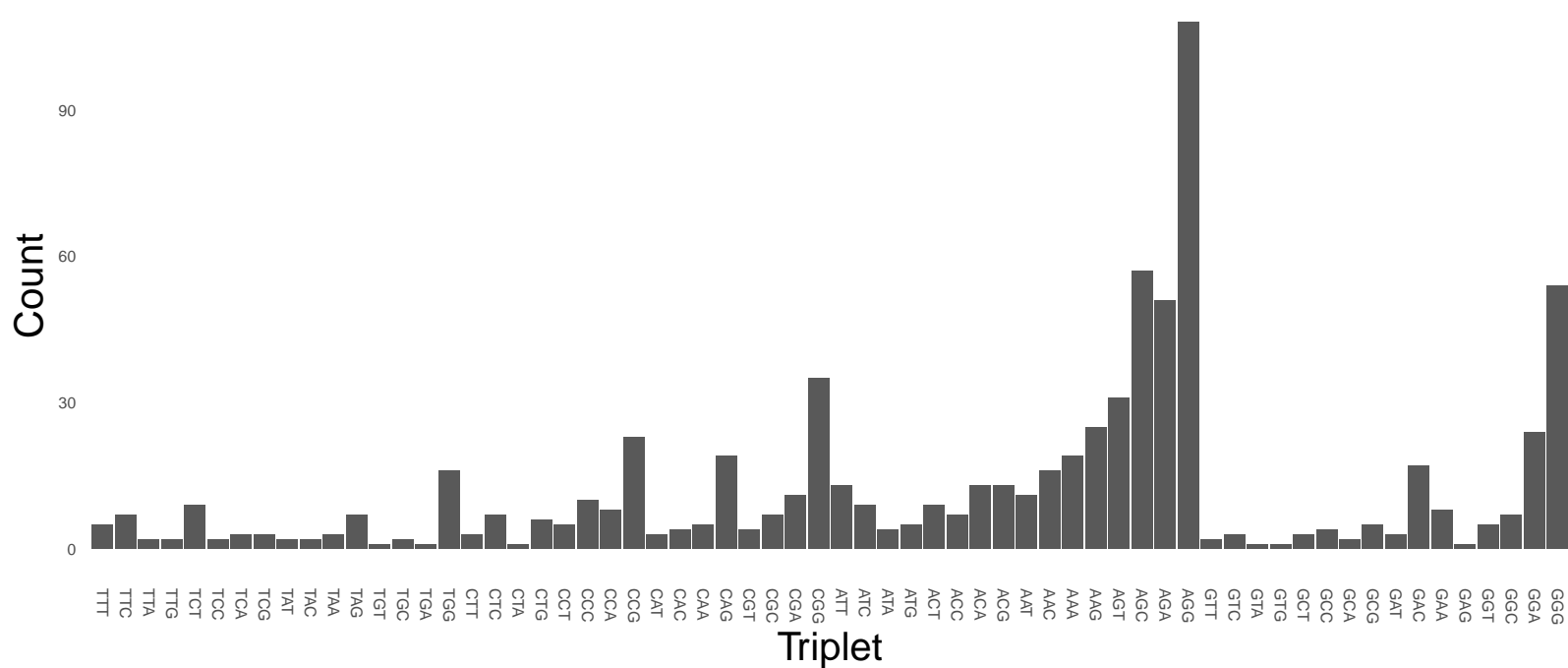
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet

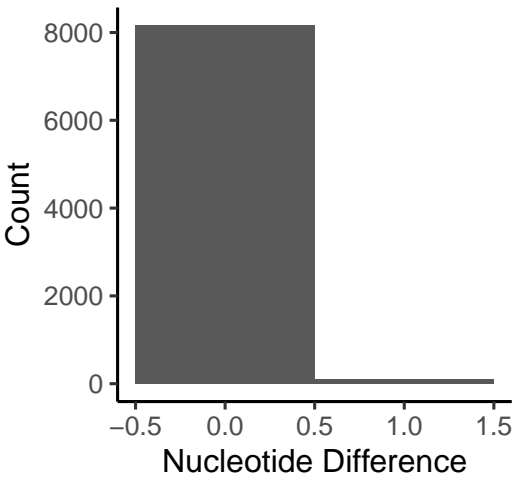


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



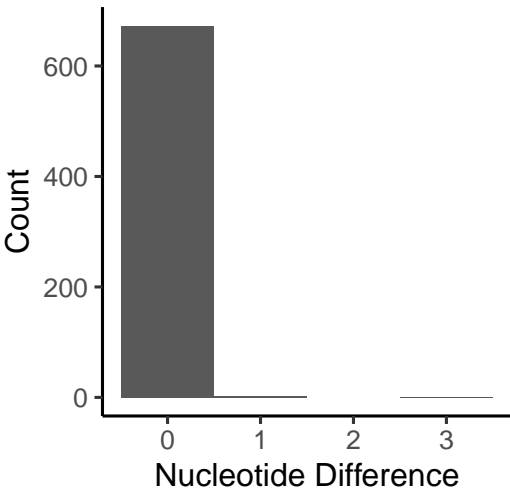
TRBV20-1*ap01

8266 sequences assigned
8162 (98.7%) exact matches, in which:
8025 unique CDR3
13 unique J



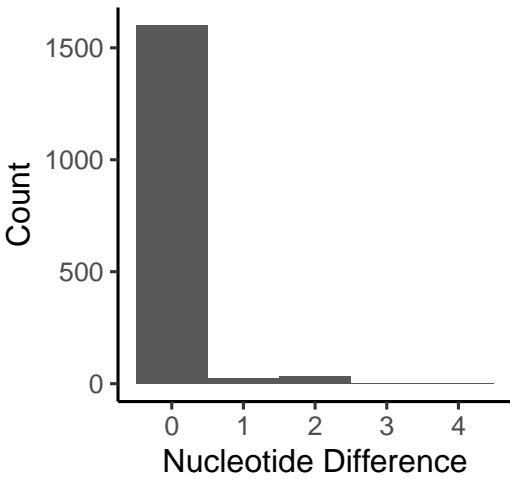
TRBV10-2*ap01

677 sequences assigned
673 (99.4%) exact matches, in which:
660 unique CDR3
13 unique J



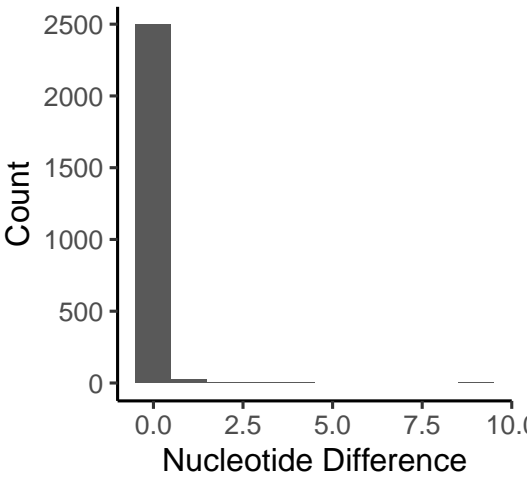
TRBV13*ap01

1659 sequences assigned
1600 (96.4%) exact matches, in which:
1562 unique CDR3
13 unique J



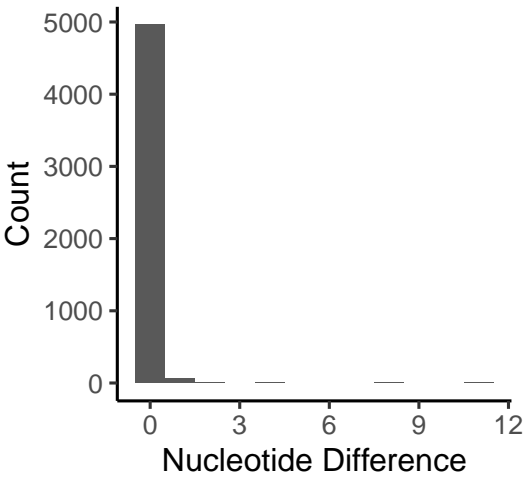
TRBV10-1*ap01

2527 sequences assigned
2496 (98.8%) exact matches, in which:
2430 unique CDR3
13 unique J



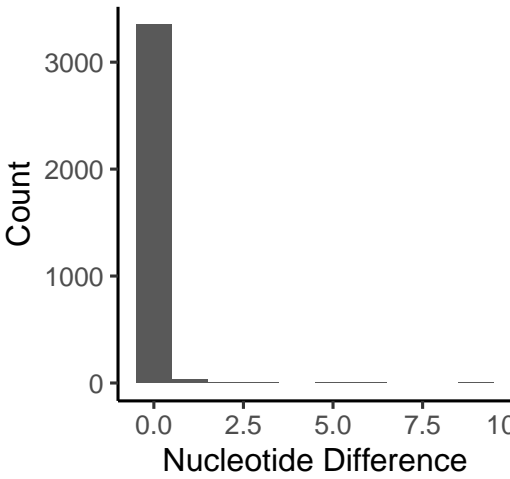
TRBV10-3*ap01

5026 sequences assigned
4962 (98.7%) exact matches, in which:
4887 unique CDR3
13 unique J



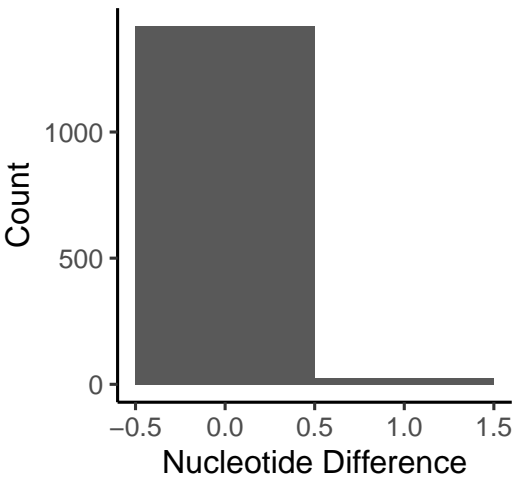
TRBV14*ap01

3389 sequences assigned
3350 (98.8%) exact matches, in which:
3290 unique CDR3
13 unique J



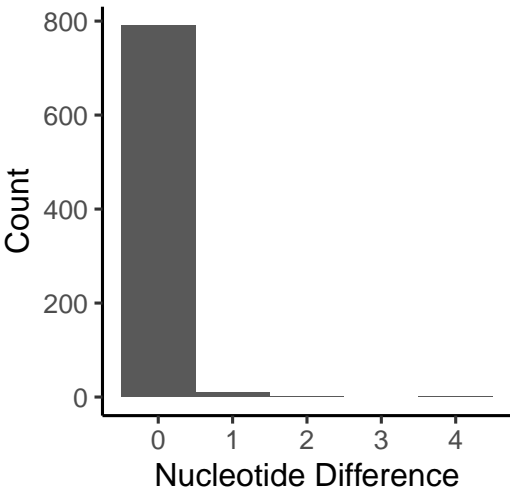
TRBV20-1*ap02

1444 sequences assigned
1420 (98.3%) exact matches, in which:
1387 unique CDR3
13 unique J



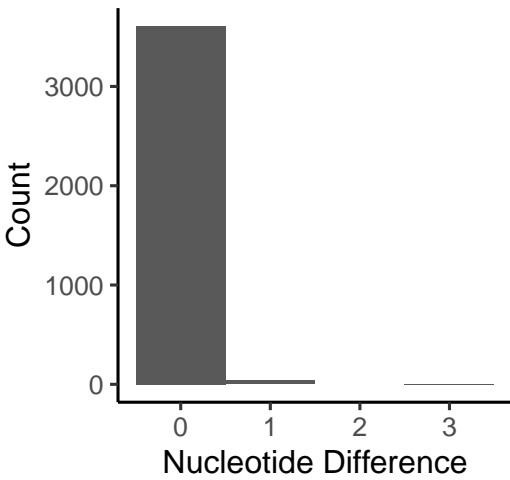
TRBV1*ap01

803 sequences assigned
791 (98.5%) exact matches, in which:
774 unique CDR3
13 unique J



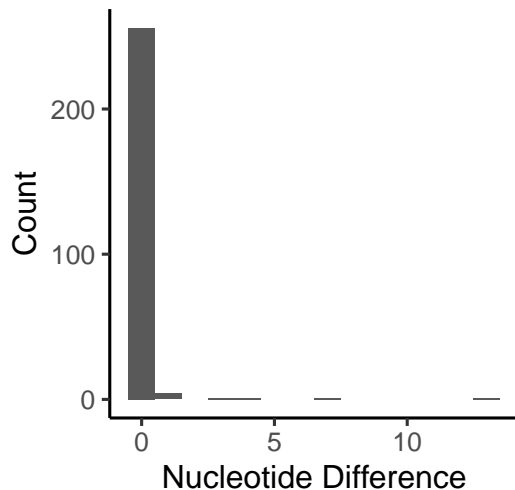
TRBV15*ap02

3646 sequences assigned
3608 (99%) exact matches, in which:
3536 unique CDR3
13 unique J



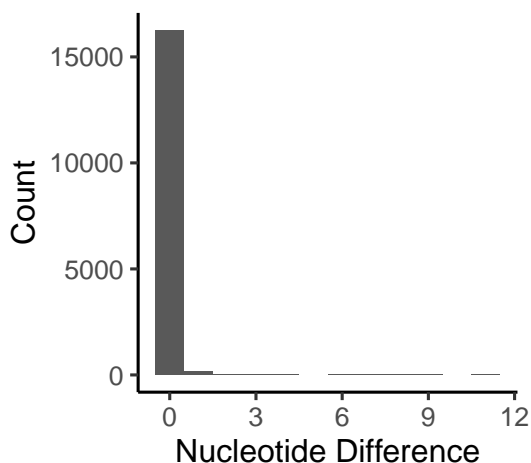
TRBV16*ap01

264 sequences assigned
256 (97%) exact matches, in which:
252 unique CDR3
13 unique J



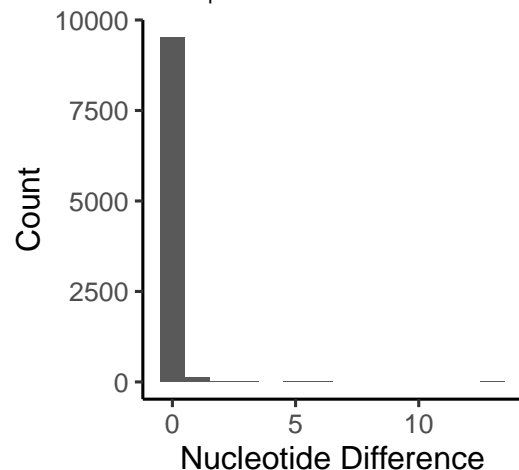
TRBV19*ap01

16440 sequences assigned
16262 (98.9%) exact matches, in which:
16090 unique CDR3
13 unique J



TRBV27*ap01

9674 sequences assigned
9526 (98.5%) exact matches, in which:
9283 unique CDR3
13 unique J



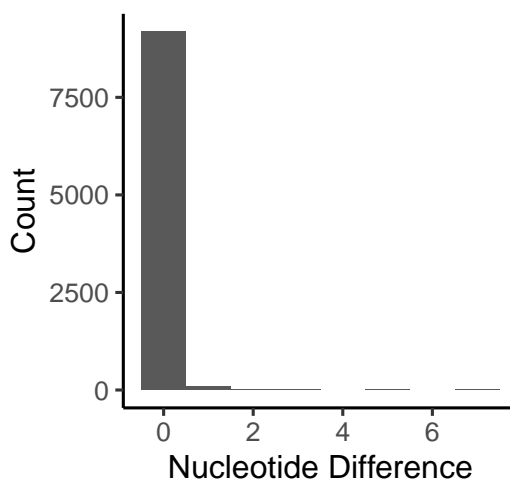
TRBV17*ap01

1 sequences assigned
No exact matches.



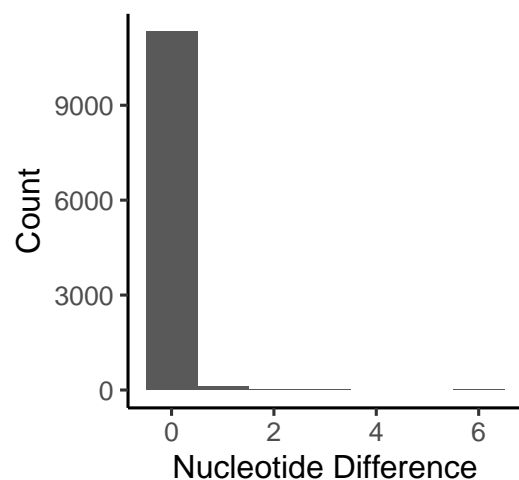
TRBV2*ap01

9279 sequences assigned
9182 (99%) exact matches, in which:
8992 unique CDR3
13 unique J



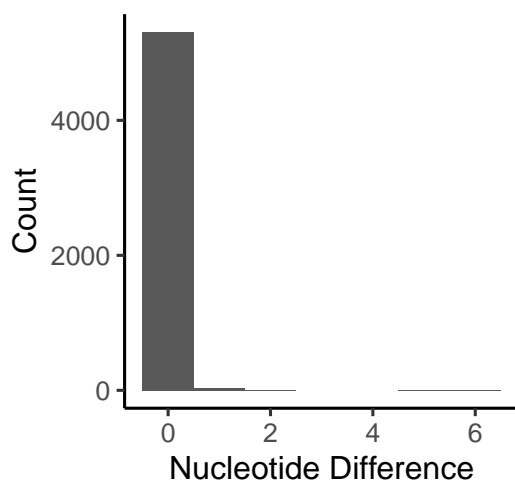
TRBV28*ap01

11451 sequences assigned
11324 (98.9%) exact matches, in which:
11120 unique CDR3
13 unique J



TRBV18*ap01

5352 sequences assigned
5308 (99.2%) exact matches, in which:
5235 unique CDR3
13 unique J



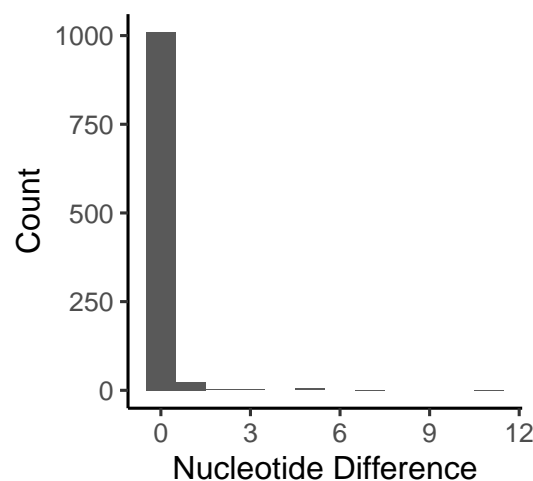
TRBV26*ap01

1 sequences assigned
No exact matches.



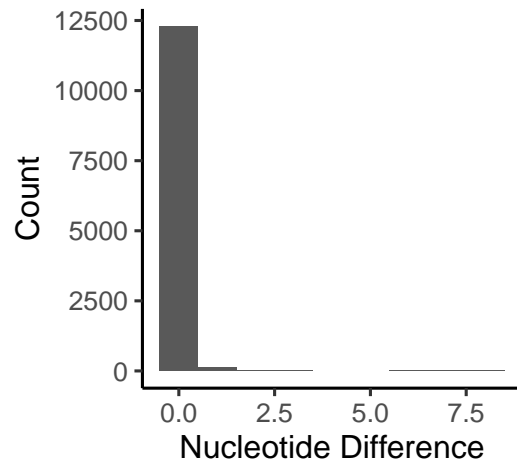
TRBV30*ap02

1044 sequences assigned
1010 (96.7%) exact matches, in which:
987 unique CDR3
13 unique J



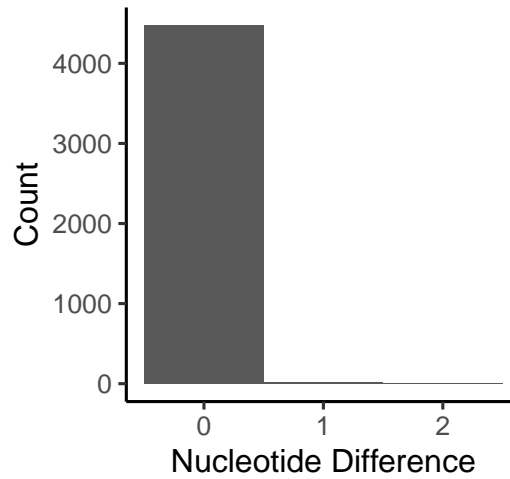
TRBV9*ap01

12422 sequences assigned
12299 (99%) exact matches, in which:
12117 unique CDR3
13 unique J



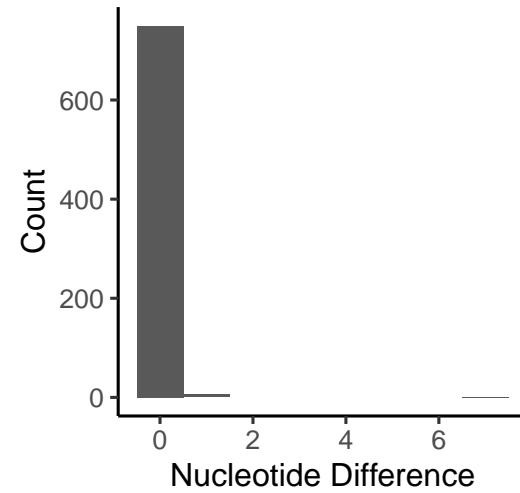
TRBV11-2*ap01

4501 sequences assigned
4474 (99.4%) exact matches, in which:
4417 unique CDR3
13 unique J



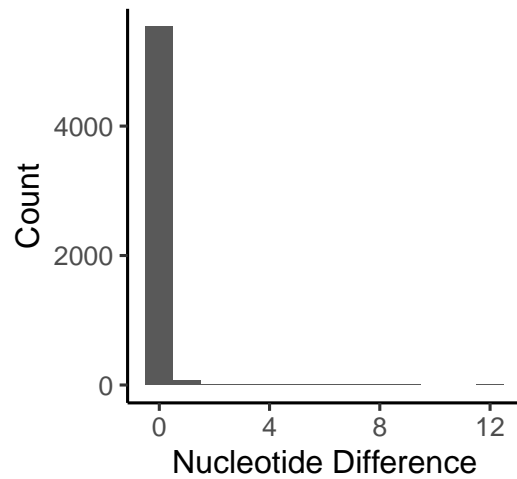
TRBV12-2*ap01

757 sequences assigned
750 (99.1%) exact matches, in which:
737 unique CDR3
13 unique J



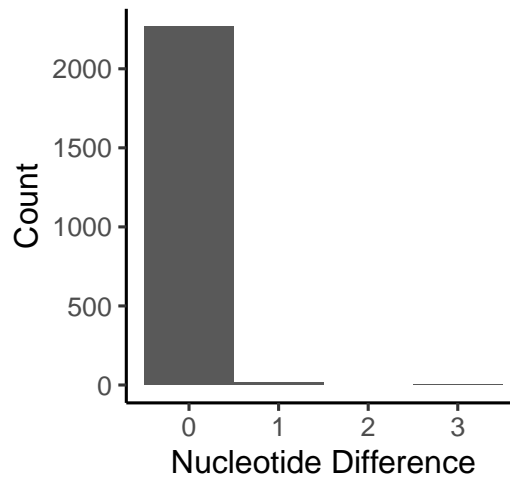
TRBV21-1*ap01

5631 sequences assigned
5535 (98.3%) exact matches, in which:
5435 unique CDR3
13 unique J



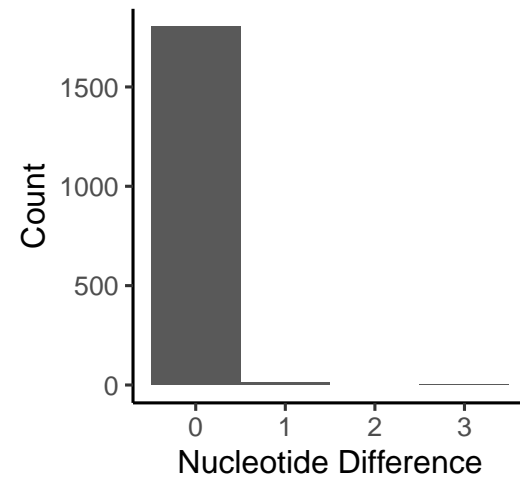
TRBV11-3*ap01

2285 sequences assigned
2266 (99.2%) exact matches, in which:
2243 unique CDR3
13 unique J



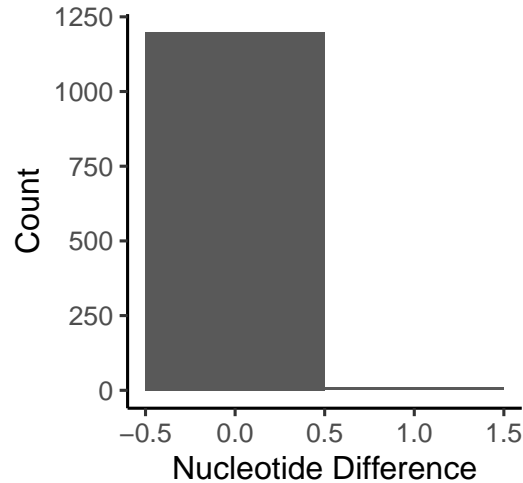
TRBV12-5*ap01

1819 sequences assigned
1803 (99.1%) exact matches, in which:
1766 unique CDR3
13 unique J



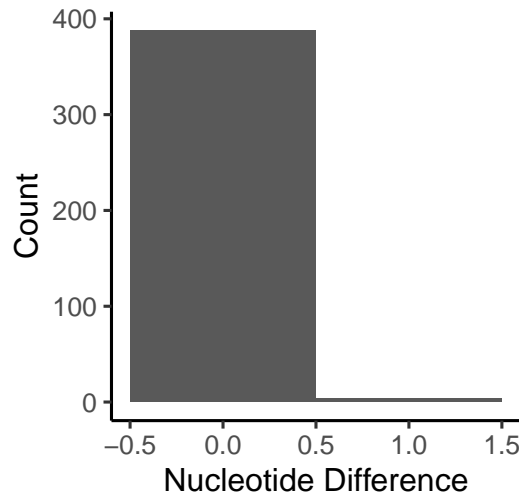
TRBV11-1*ap01

1209 sequences assigned
1199 (99.2%) exact matches, in which:
1187 unique CDR3
13 unique J



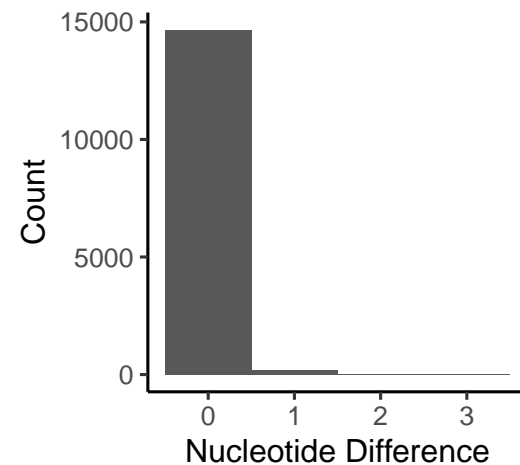
TRBV12-1*ap01

392 sequences assigned
388 (99%) exact matches, in which:
380 unique CDR3
13 unique J



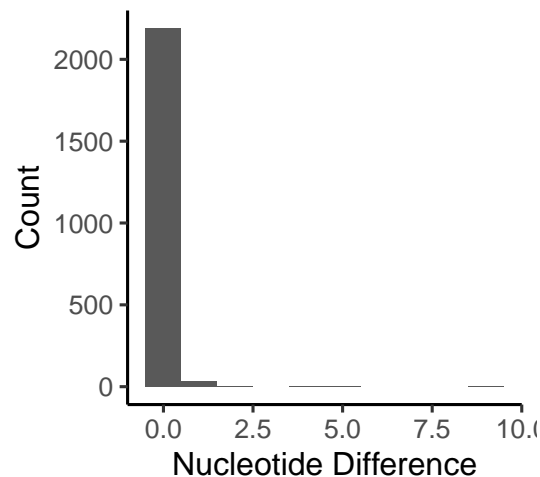
TRBV12-34*ap01

14845 sequences assigned
14664 (98.8%) exact matches, in which:
14390 unique CDR3
13 unique J



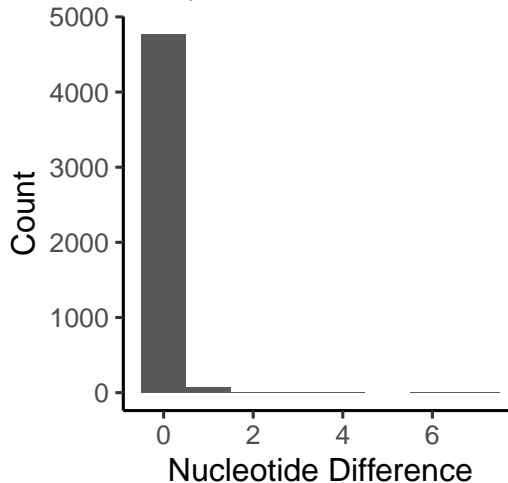
TRBV23-1*ap01

2228 sequences assigned
2189 (98.2%) exact matches, in which:
2155 unique CDR3
13 unique J



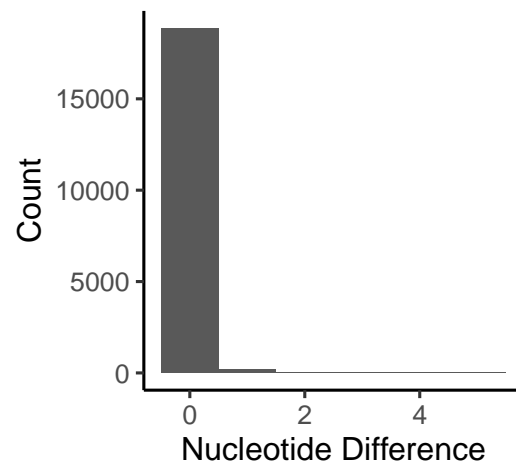
TRBV24-1*ap01

4848 sequences assigned
4767 (98.3%) exact matches, in which:
4666 unique CDR3
13 unique J



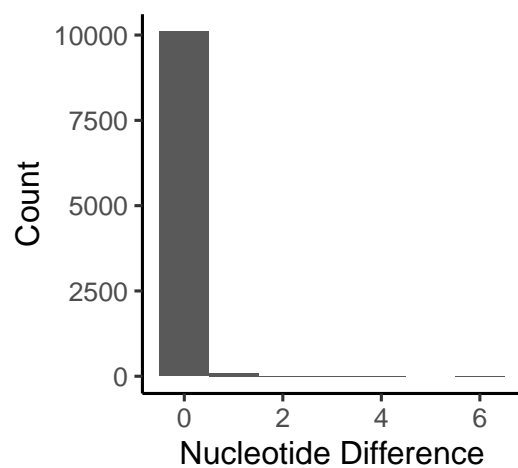
TRBV5-1*ap01

19086 sequences assigned
18867 (98.9%) exact matches, in which:
18379 unique CDR3
13 unique J



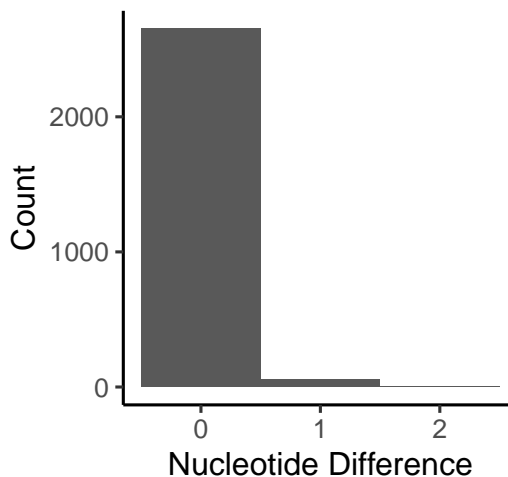
TRBV3-12*ap01

10200 sequences assigned
10105 (99.1%) exact matches, in which:
9981 unique CDR3
13 unique J



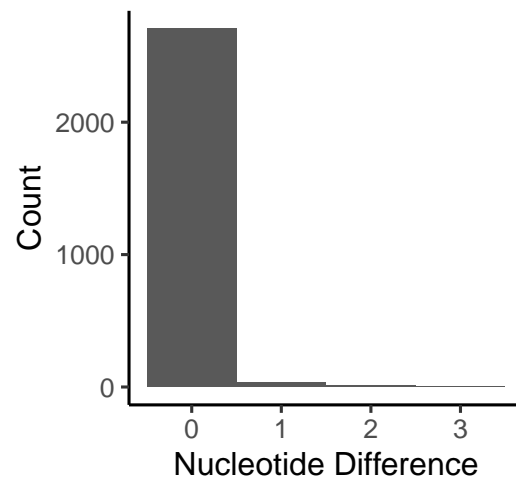
TRBV4-2*ap01

2710 sequences assigned
2652 (97.9%) exact matches, in which:
2595 unique CDR3
13 unique J



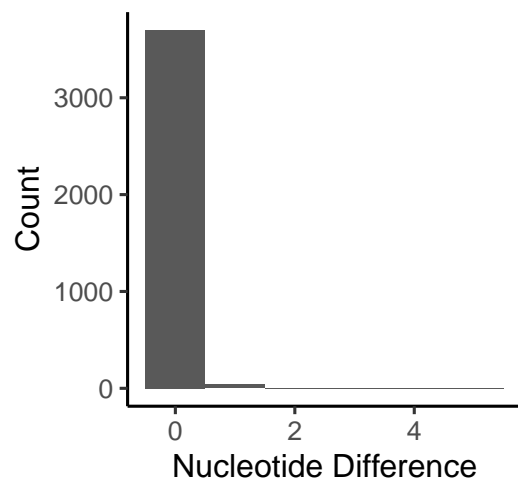
TRBV25-1*ap01

2752 sequences assigned
2706 (98.3%) exact matches, in which:
2645 unique CDR3
13 unique J



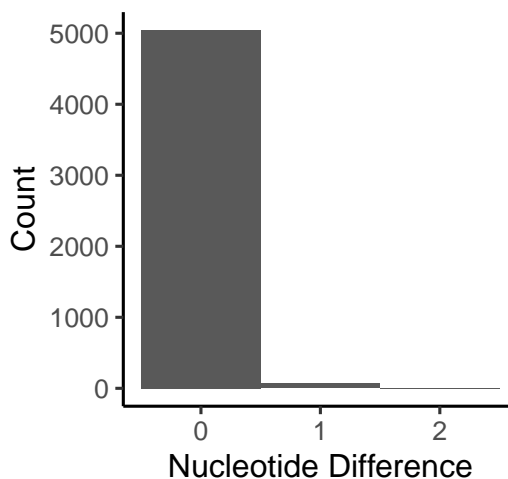
TRBV4-1*ap01

3744 sequences assigned
3699 (98.8%) exact matches, in which:
3620 unique CDR3
13 unique J



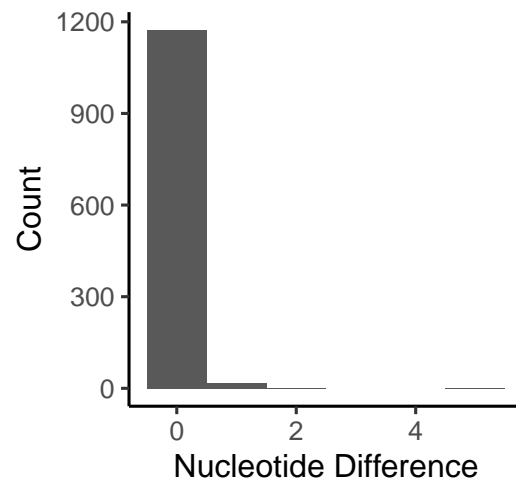
TRBV4-3*ap01

5115 sequences assigned
5045 (98.6%) exact matches, in which:
4923 unique CDR3
13 unique J



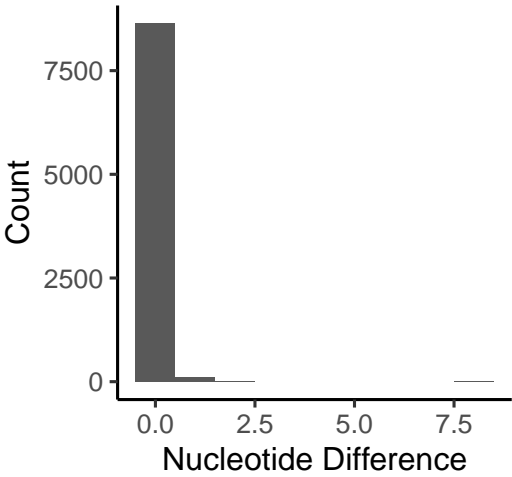
TRBV5-3*ap01

1193 sequences assigned
1173 (98.3%) exact matches, in which:
1151 unique CDR3
13 unique J



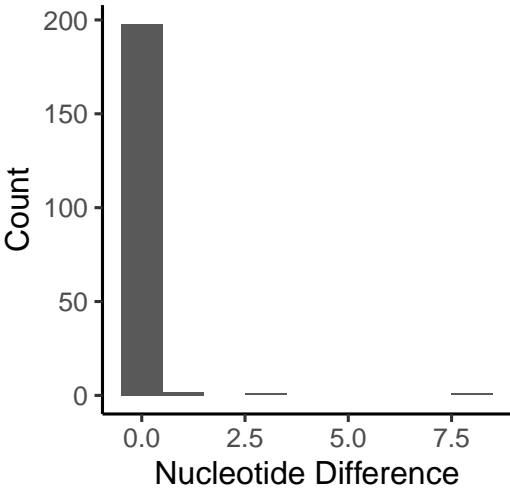
TRBV5-4*ap01

8761 sequences assigned
8639 (98.6%) exact matches, in which:
8469 unique CDR3
13 unique J



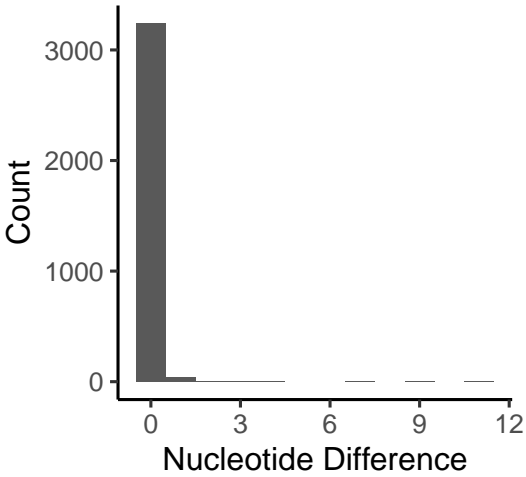
TRBV5-7*ap01

202 sequences assigned
198 (98%) exact matches, in which:
191 unique CDR3
13 unique J



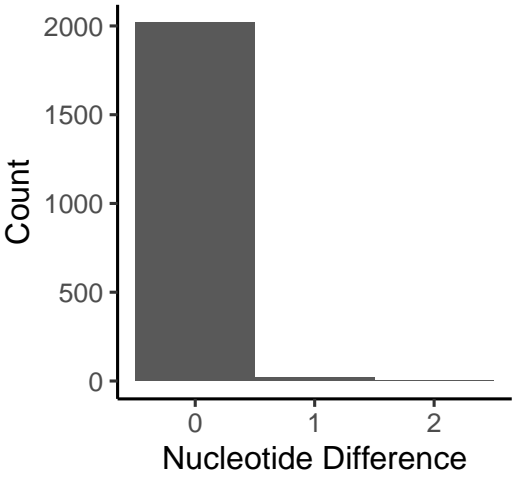
TRBV6-4*ap01

3300 sequences assigned
3240 (98.2%) exact matches, in which:
3172 unique CDR3
13 unique J



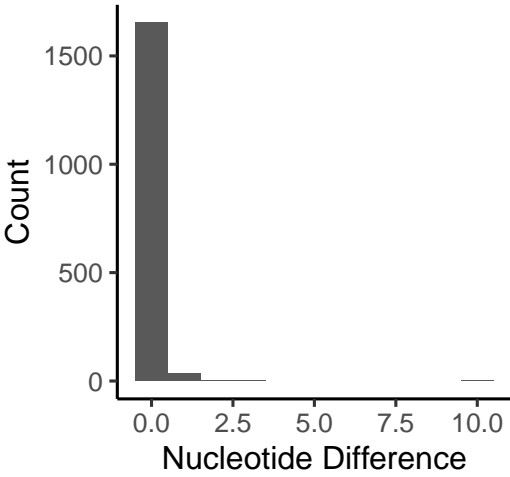
TRBV5-5*ap01

2040 sequences assigned
2018 (98.9%) exact matches, in which:
1995 unique CDR3
13 unique J



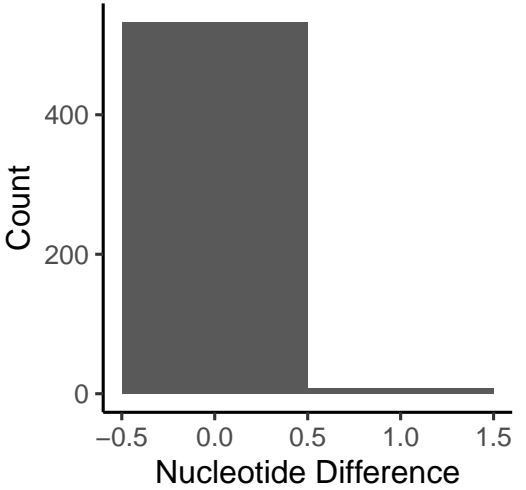
TRBV5-8*ap01

1693 sequences assigned
1653 (97.6%) exact matches, in which:
1618 unique CDR3
13 unique J



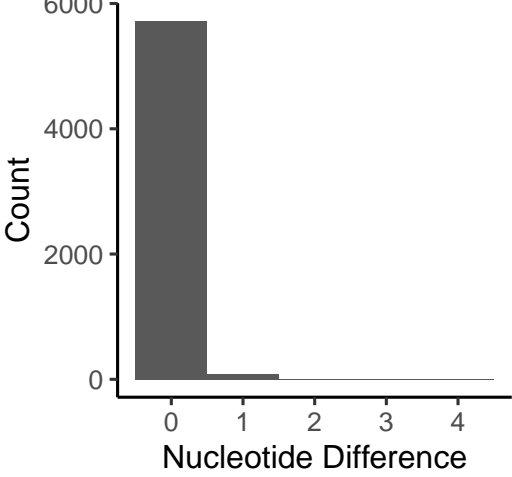
TRBV6-7*ap01

541 sequences assigned
533 (98.5%) exact matches, in which:
519 unique CDR3
13 unique J



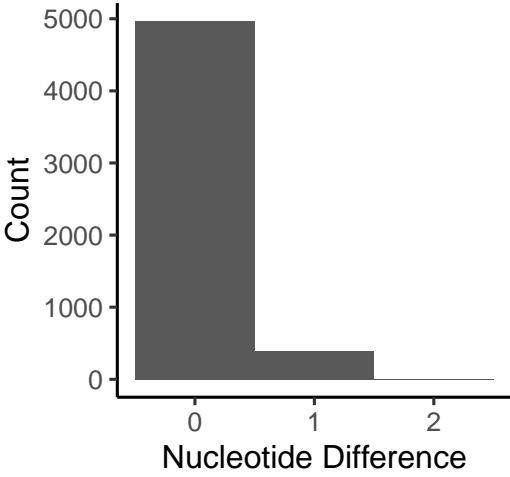
TRBV5-6*ap01

5806 sequences assigned
5720 (98.5%) exact matches, in which:
5558 unique CDR3
13 unique J



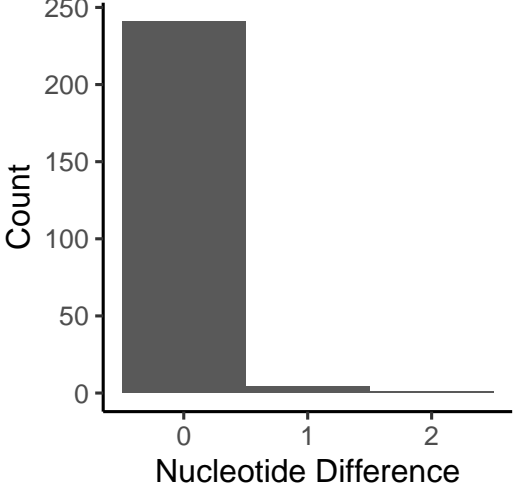
TRBV6-1*ap01

5367 sequences assigned
4968 (92.6%) exact matches, in which:
4856 unique CDR3
13 unique J



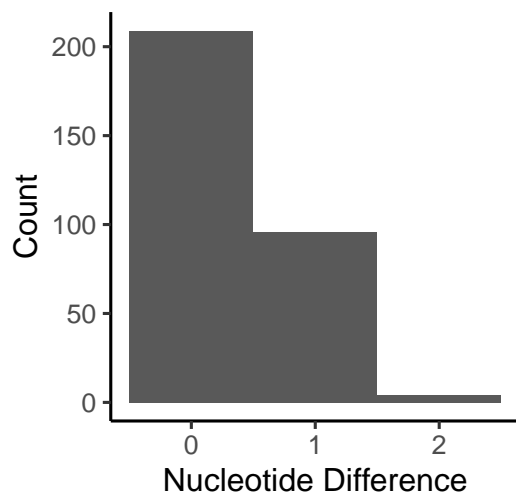
TRBV6-8*ap01

246 sequences assigned
241 (98%) exact matches, in which:
230 unique CDR3
13 unique J



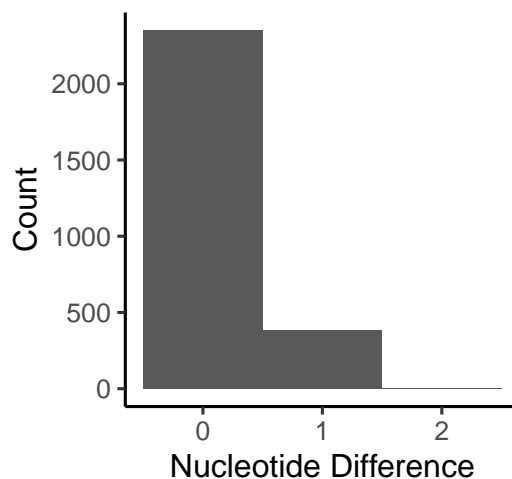
TRBV6–9*ap01

309 sequences assigned
209 (67.6%) exact matches, in which:
201 unique CDR3
12 unique J



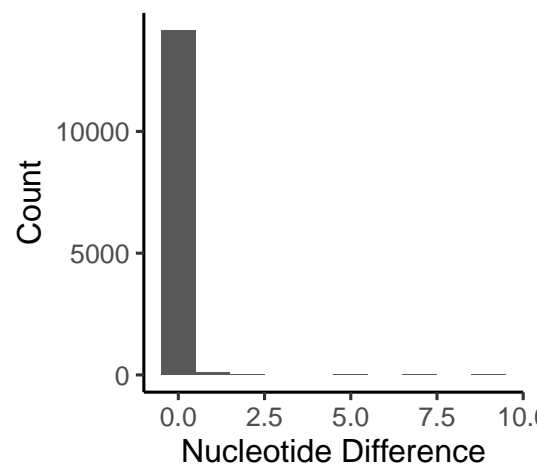
TRBV6–56*ap02

2740 sequences assigned
2350 (85.8%) exact matches, in which:
2277 unique CDR3
13 unique J



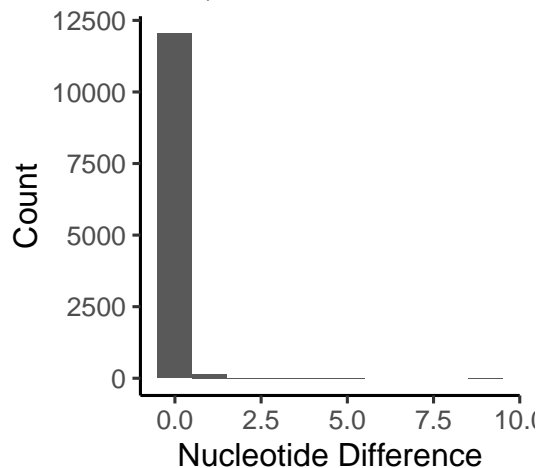
TRBV7–2*ap01

14284 sequences assigned
14158 (99.1%) exact matches, in which:
13901 unique CDR3
13 unique J



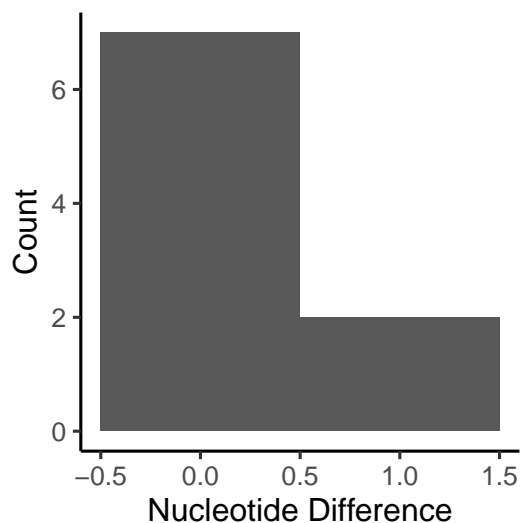
TRBV6–23*ap01

12193 sequences assigned
12043 (98.8%) exact matches, in which:
11707 unique CDR3
13 unique J



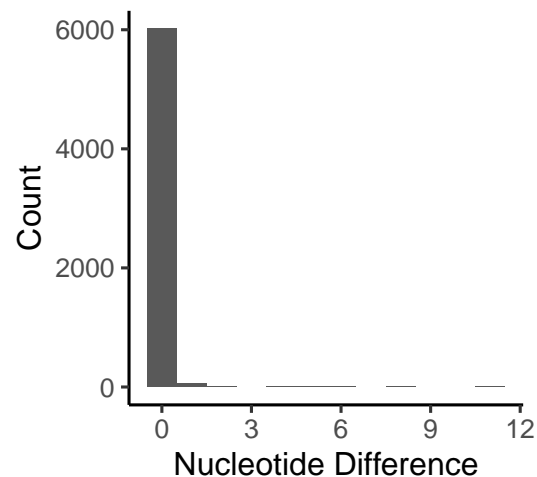
TRBV7–1*ap01

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
5 unique J



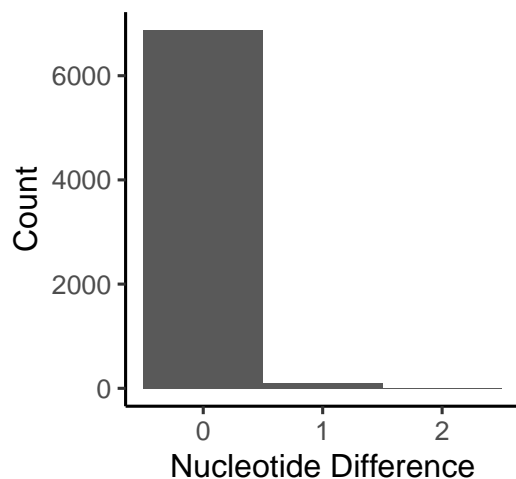
TRBV7–3*ap01

6086 sequences assigned
6017 (98.9%) exact matches, in which:
5907 unique CDR3
13 unique J



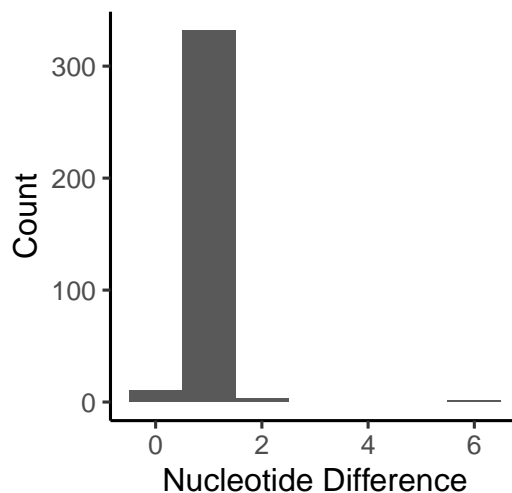
TRBV6–56*ap01

6975 sequences assigned
6876 (98.6%) exact matches, in which:
6702 unique CDR3
13 unique J



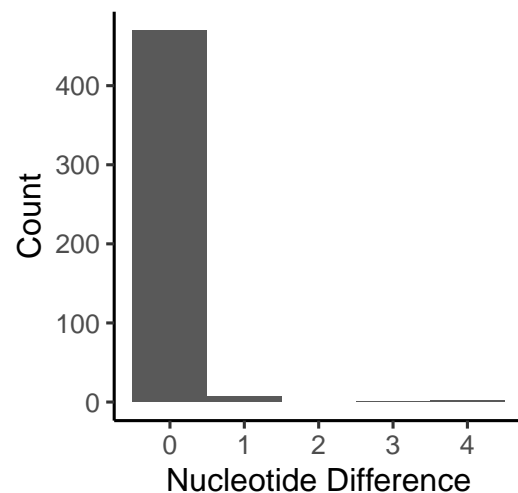
TRBV7–1*ap01_T296C_(

346 sequences assigned
10 (2.9%) exact matches, in which:
10 unique CDR3
6 unique J



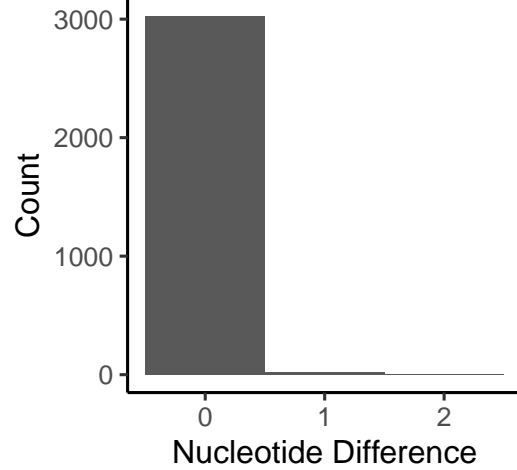
TRBV7–4*ap01

480 sequences assigned
470 (97.9%) exact matches, in which:
457 unique CDR3
13 unique J



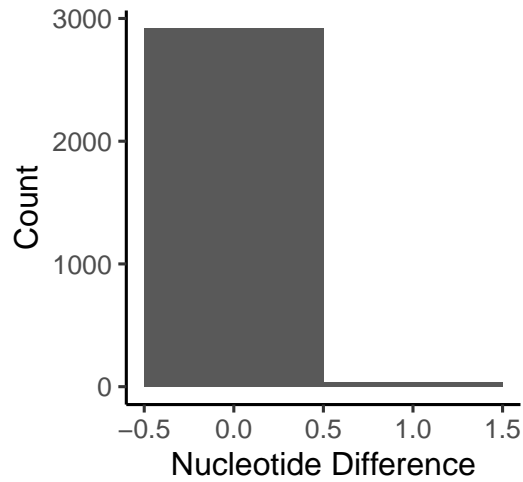
TRBV7-6*ap01

3041 sequences assigned
3023 (99.4%) exact matches, in which:
2943 unique CDR3
13 unique J



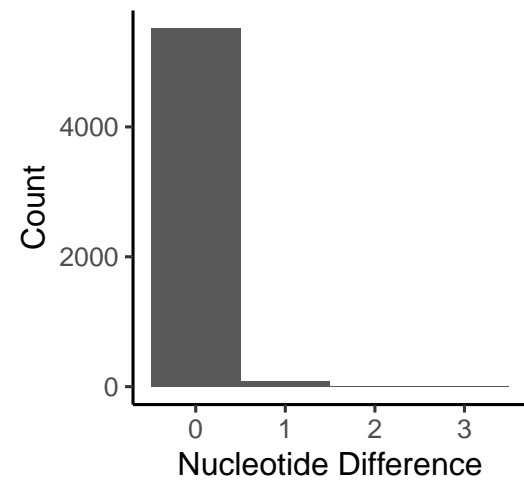
TRBV7-8*ap01

2953 sequences assigned
2919 (98.8%) exact matches, in which:
2864 unique CDR3
13 unique J



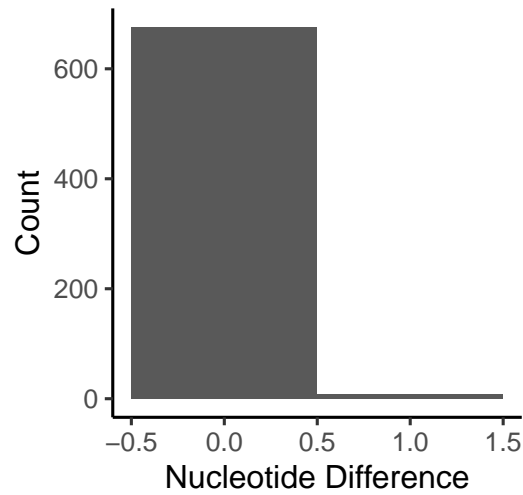
TRBV29-1*ap01

5604 sequences assigned
5517 (98.4%) exact matches, in which:
5366 unique CDR3
13 unique J



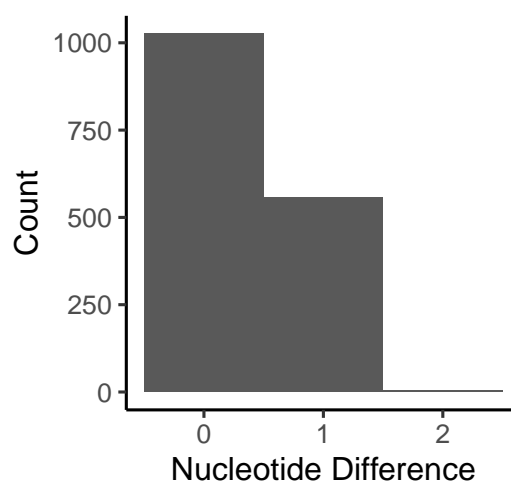
TRBV7-7*ap01

685 sequences assigned
676 (98.7%) exact matches, in which:
661 unique CDR3
13 unique J



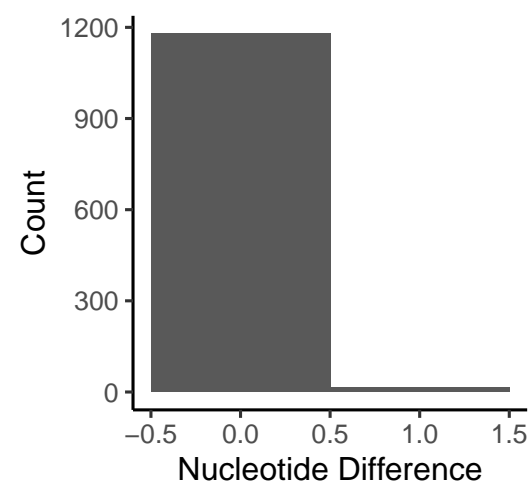
TRBV7-8*ap03

1585 sequences assigned
1026 (64.7%) exact matches, in which:
1006 unique CDR3
13 unique J



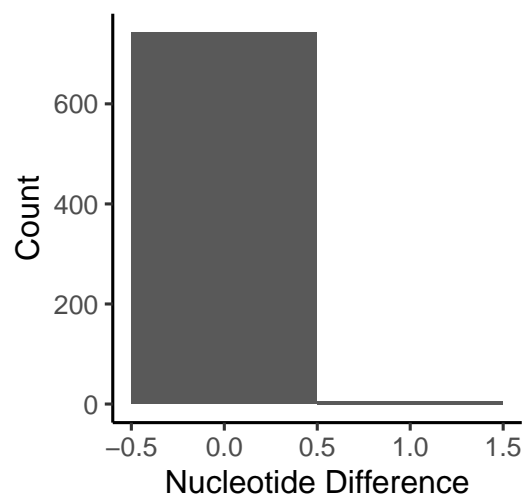
TRBV29-1*ap02

1195 sequences assigned
1179 (98.7%) exact matches, in which:
1152 unique CDR3
13 unique J



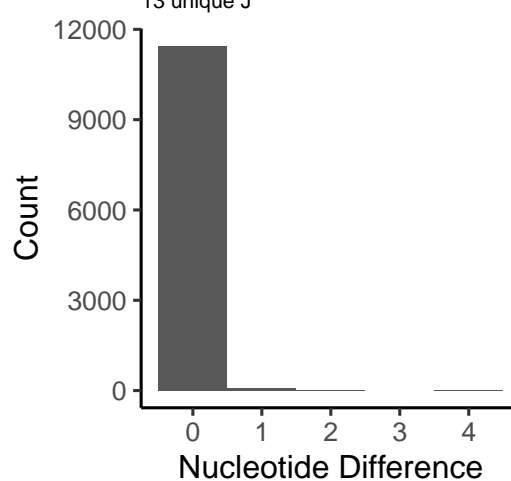
TRBV7-7*ap01_C315T

749 sequences assigned
743 (99.2%) exact matches, in which:
732 unique CDR3
13 unique J

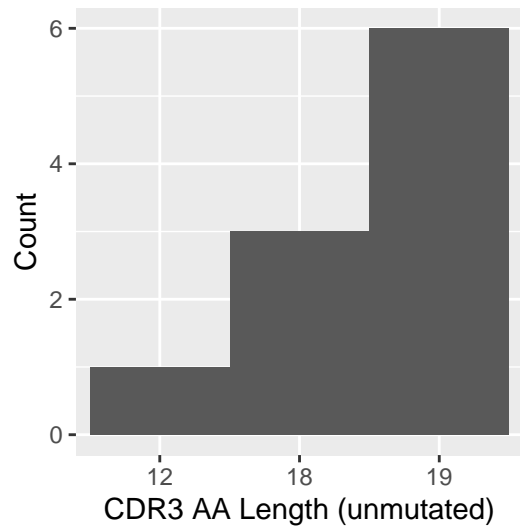


TRBV7-9*ap01

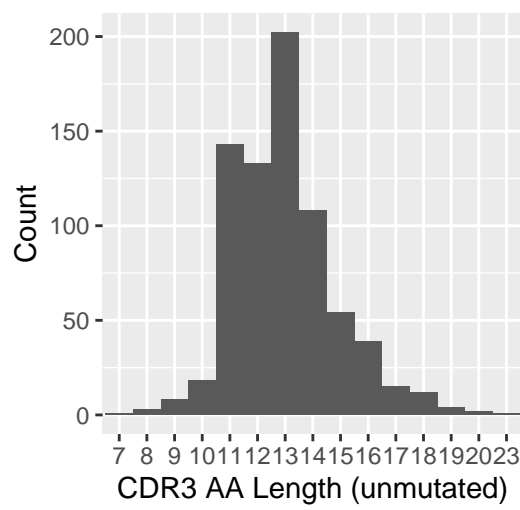
11542 sequences assigned
11454 (99.2%) exact matches, in which:
11298 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]