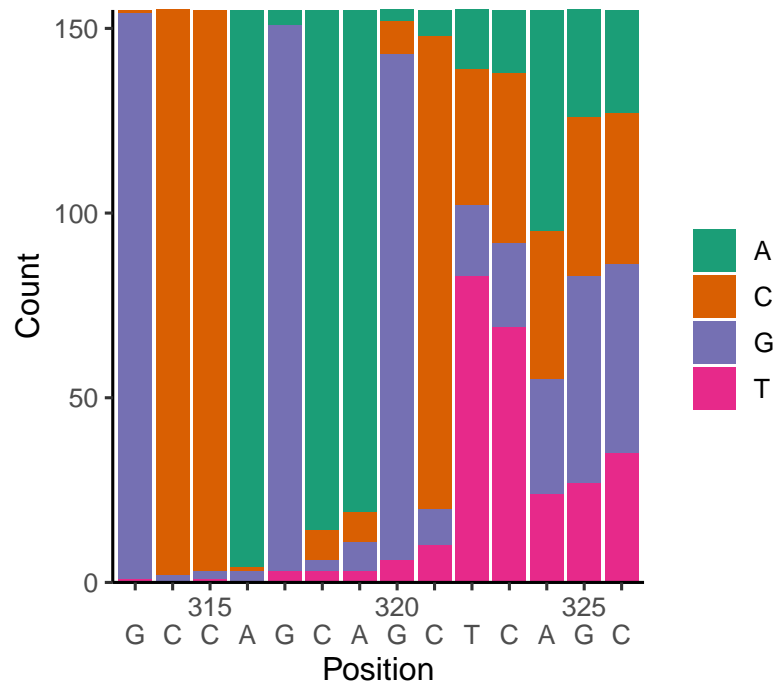
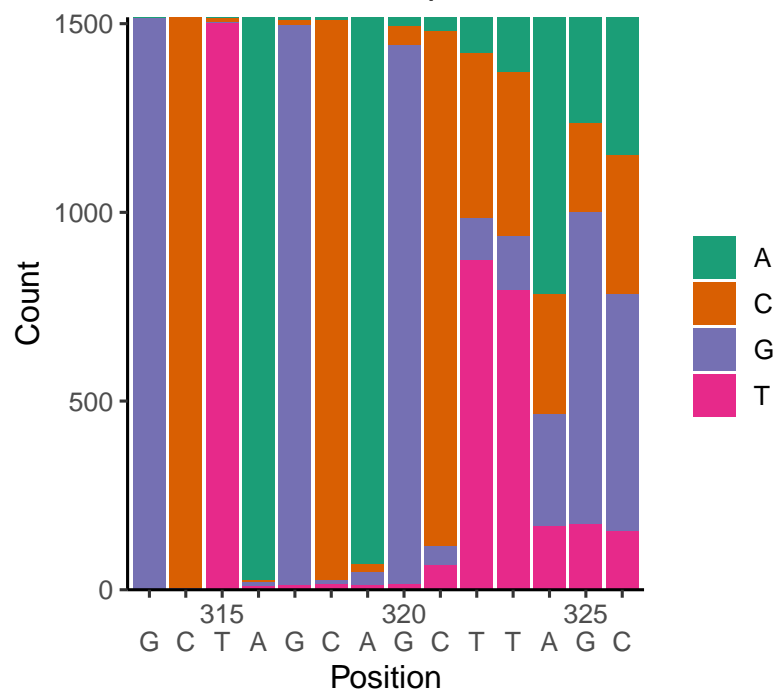


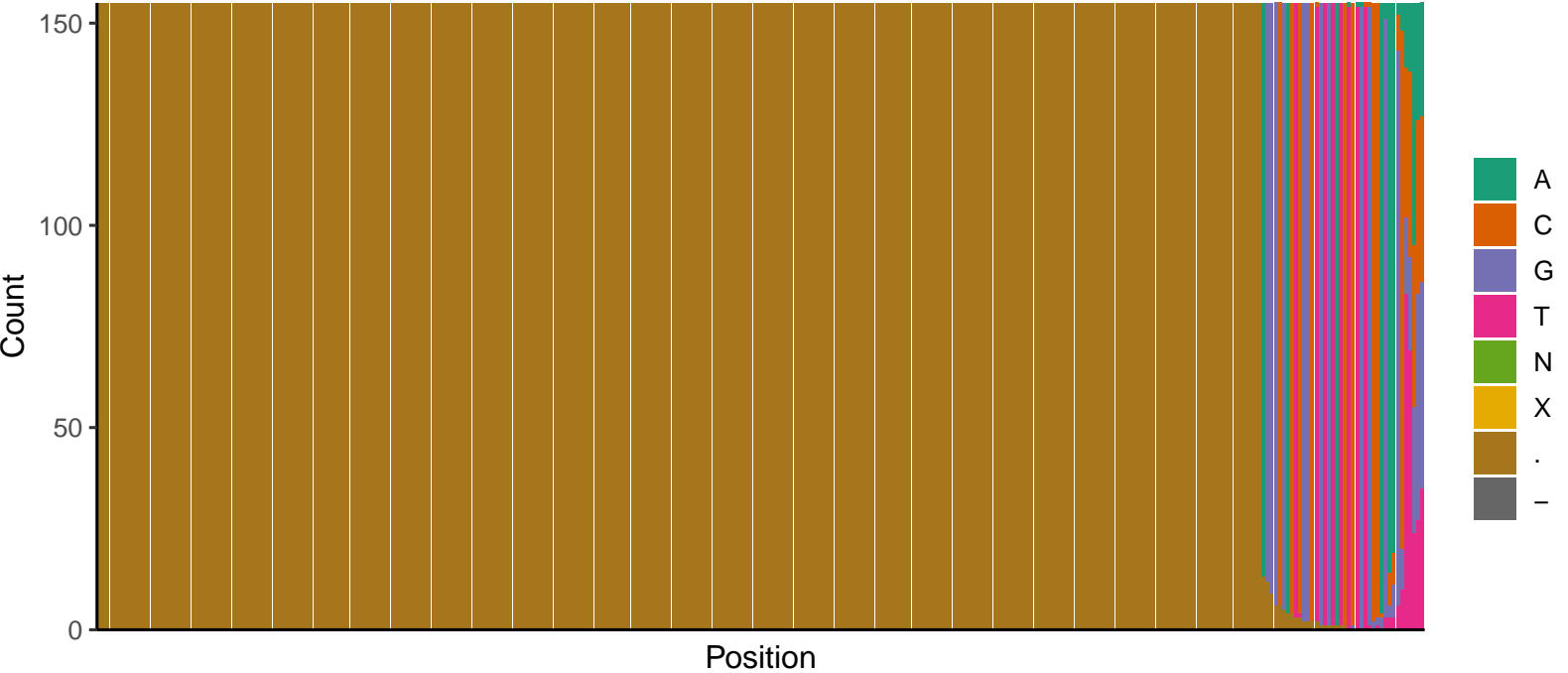
Gene TRBV7-1*ap01_G291C_T296C



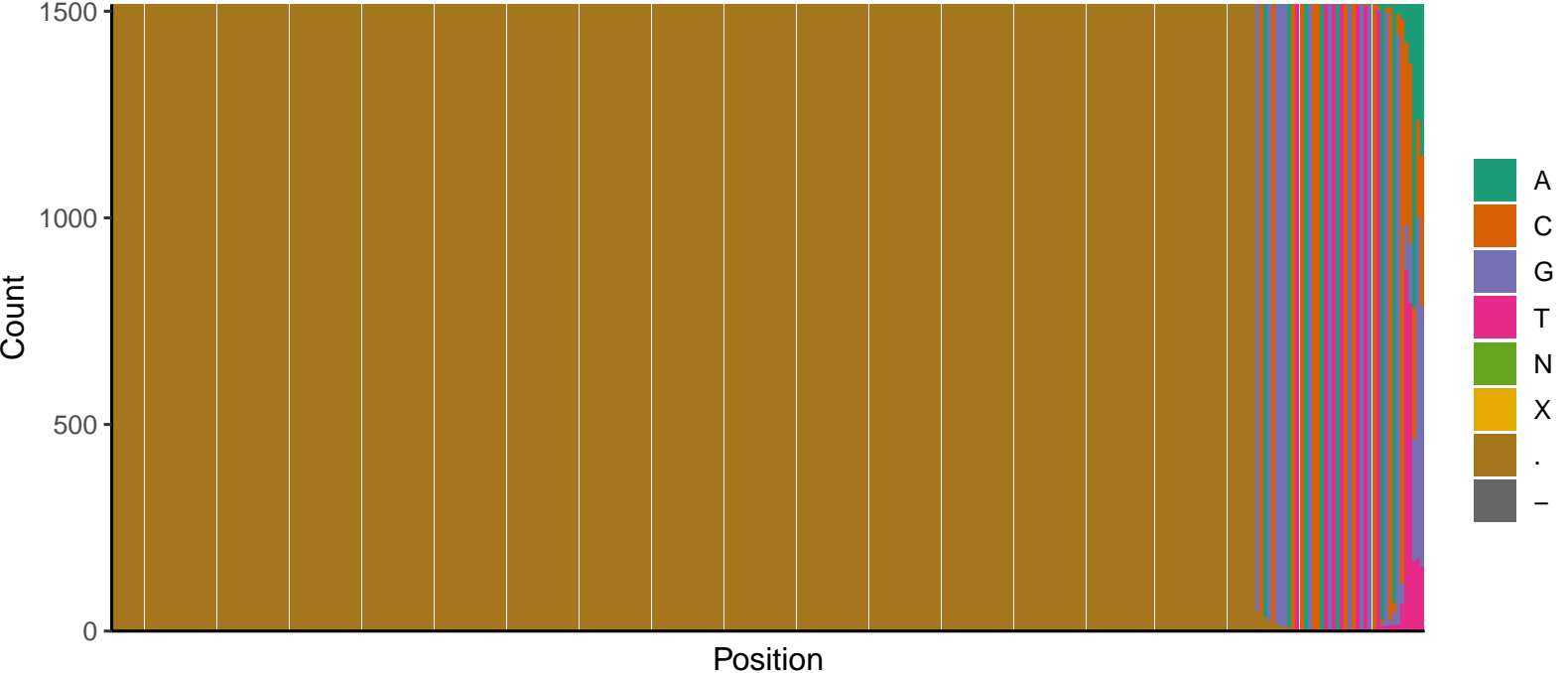
Gene TRBV7-7*ap01_C315T



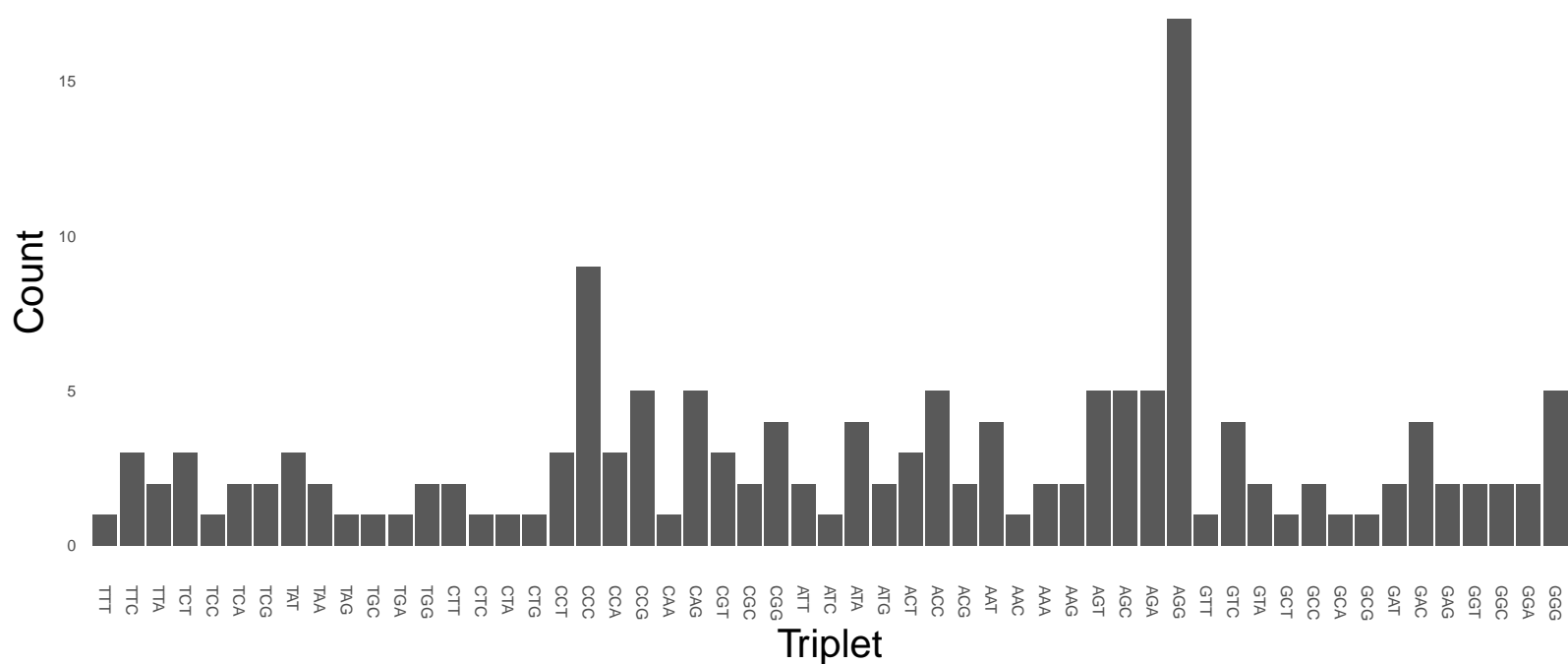
Gene TRBV7-1*ap01_G291C_T296C



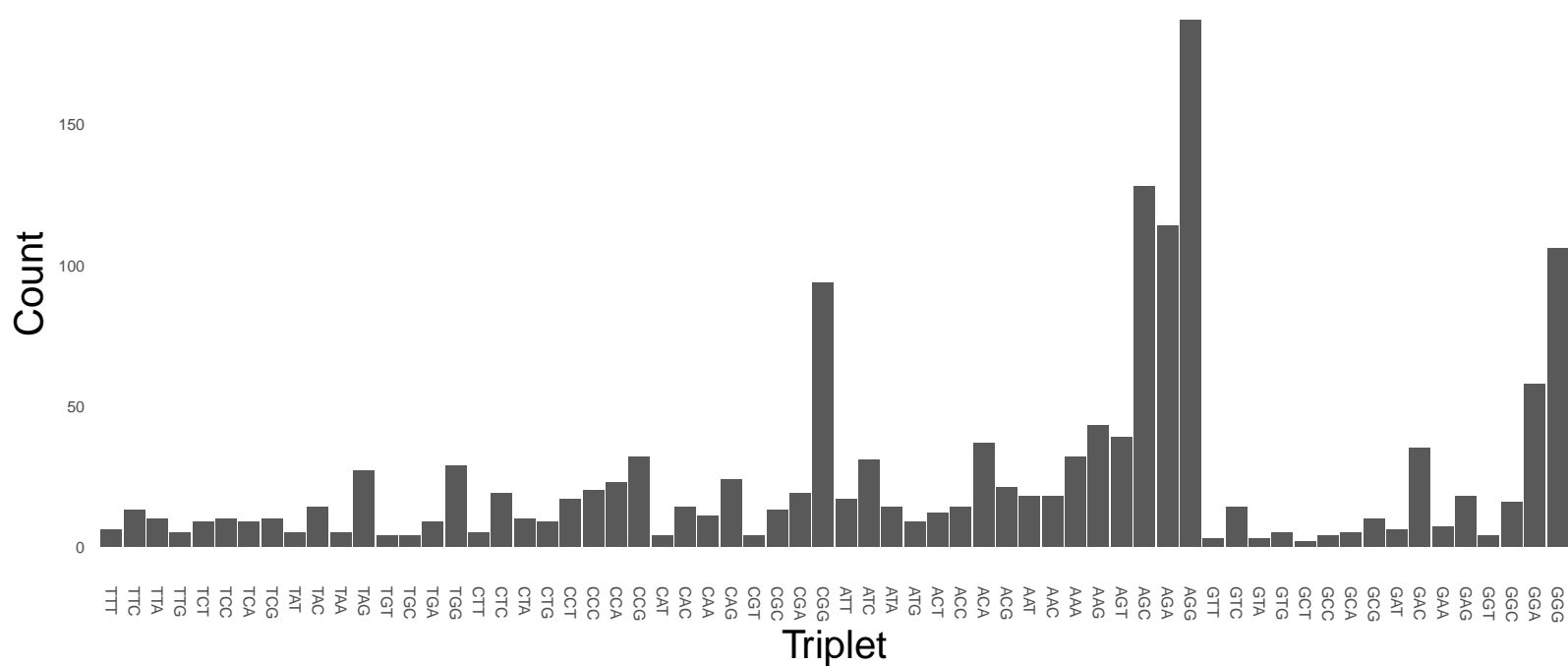
Gene TRBV7-7*ap01_C315T



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

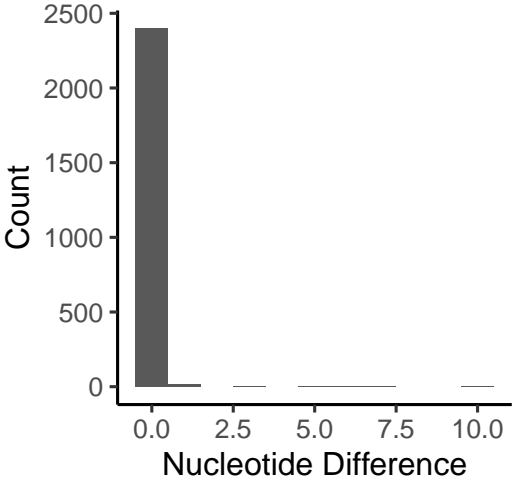


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



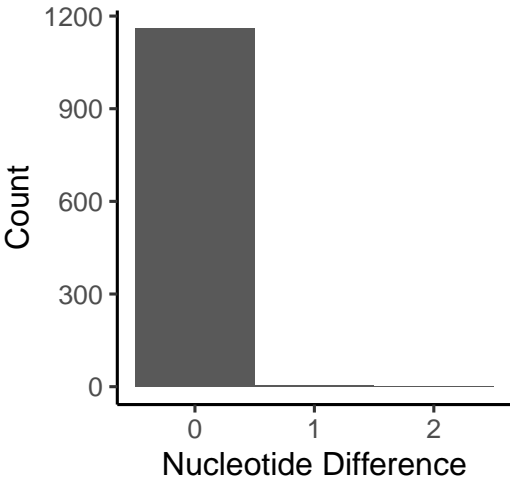
TRBV10-1*ap01

2423 sequences assigned
2399 (99%) exact matches, in which:
2365 unique CDR3
13 unique J



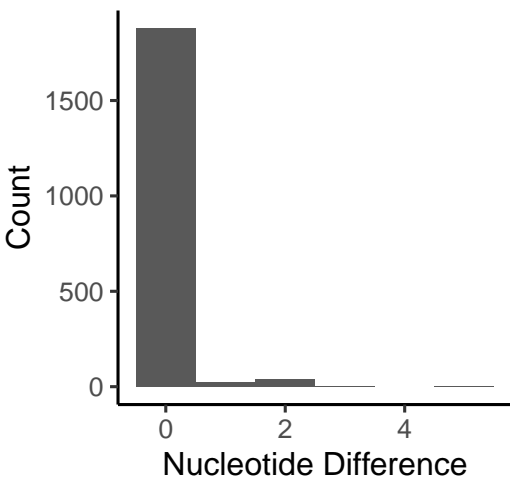
TRBV10-2*ap01

1167 sequences assigned
1160 (99.4%) exact matches, in which:
1151 unique CDR3
13 unique J



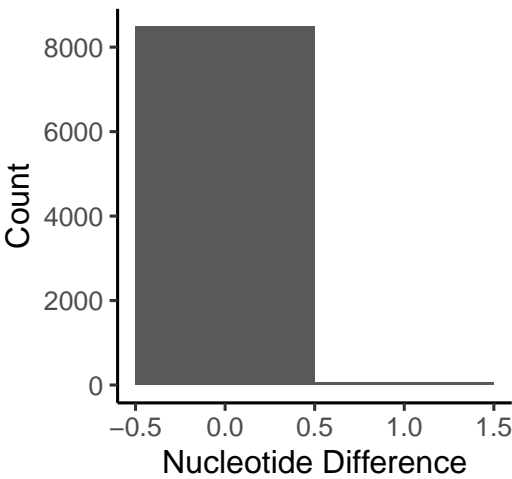
TRBV13*ap01

1940 sequences assigned
1878 (96.8%) exact matches, in which:
1832 unique CDR3
13 unique J



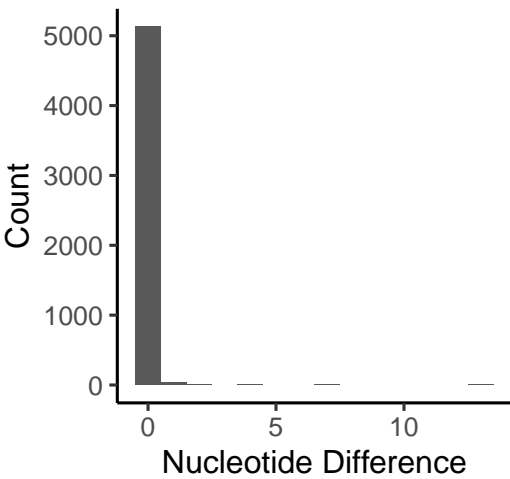
TRBV20-1*ap01

8544 sequences assigned
8484 (99.3%) exact matches, in which:
8417 unique CDR3
13 unique J



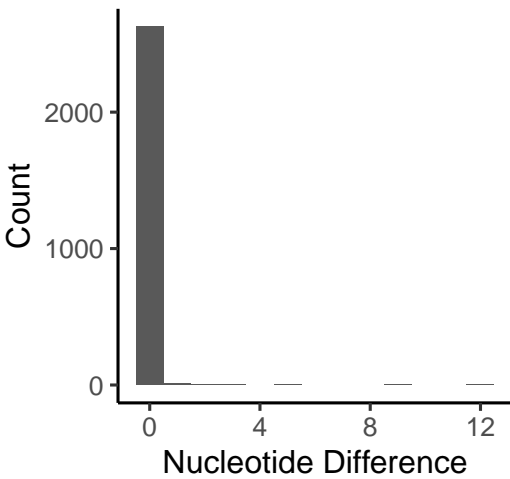
TRBV10-3*ap01

5168 sequences assigned
5129 (99.2%) exact matches, in which:
5072 unique CDR3
13 unique J



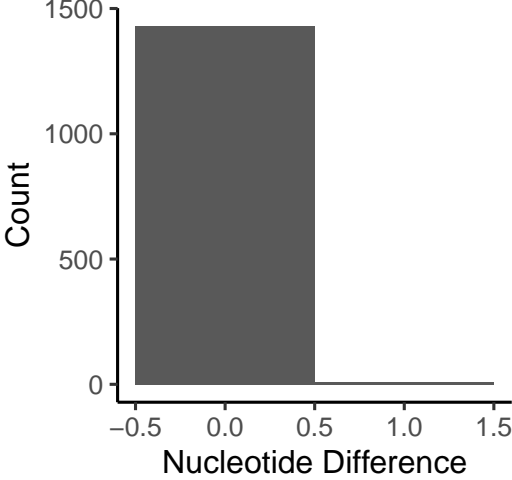
TRBV14*ap01

2644 sequences assigned
2626 (99.3%) exact matches, in which:
2610 unique CDR3
13 unique J



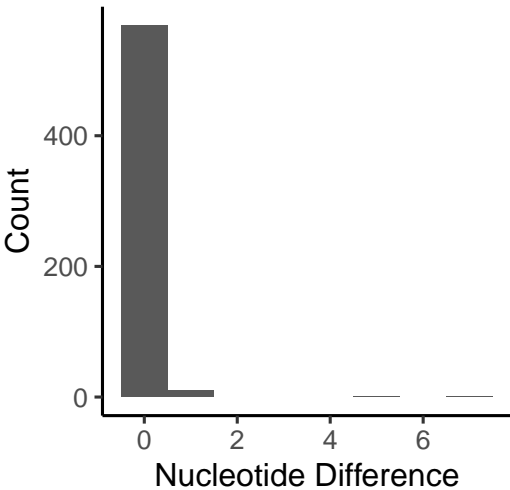
TRBV20-1*ap02

1440 sequences assigned
1430 (99.3%) exact matches, in which:
1423 unique CDR3
13 unique J



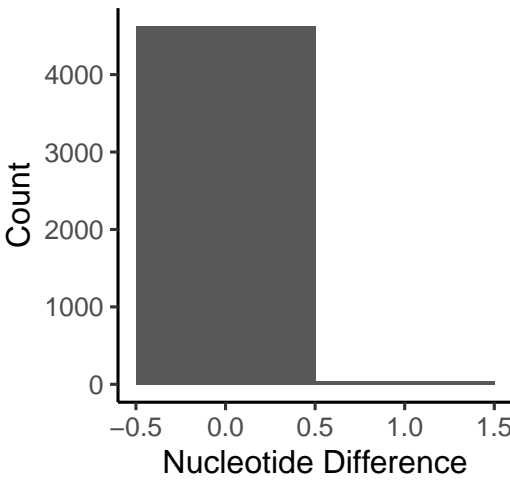
TRBV1*ap01

581 sequences assigned
569 (97.9%) exact matches, in which:
558 unique CDR3
13 unique J



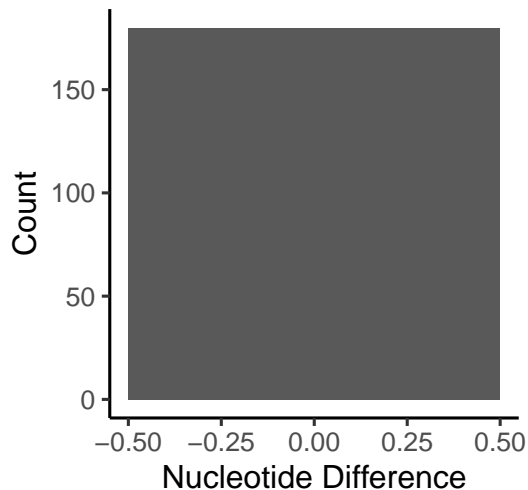
TRBV15*ap02

4668 sequences assigned
4627 (99.1%) exact matches, in which:
4568 unique CDR3
13 unique J



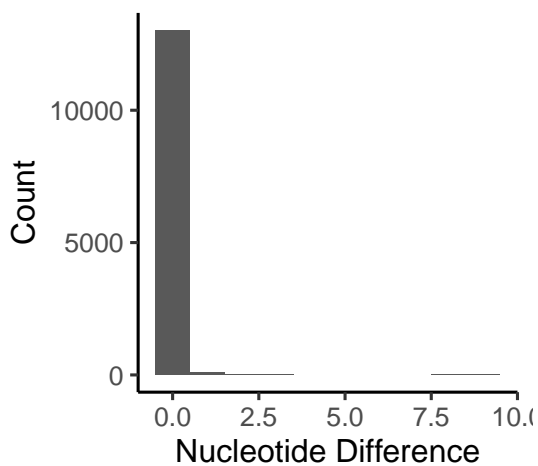
TRBV16*ap01

180 sequences assigned
180 (100%) exact matches, in which:
179 unique CDR3
13 unique J



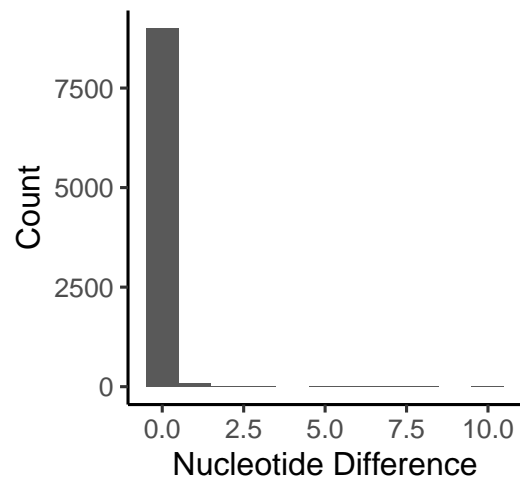
TRBV19*ap01

13110 sequences assigned
13025 (99.4%) exact matches, in which:
12977 unique CDR3
13 unique J



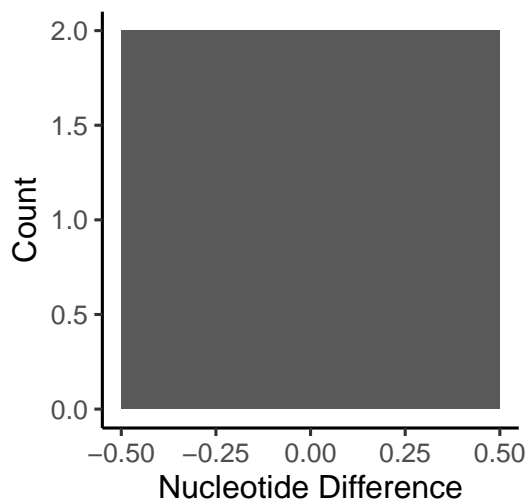
TRBV27*ap01

9090 sequences assigned
8998 (99%) exact matches, in which:
8869 unique CDR3
13 unique J



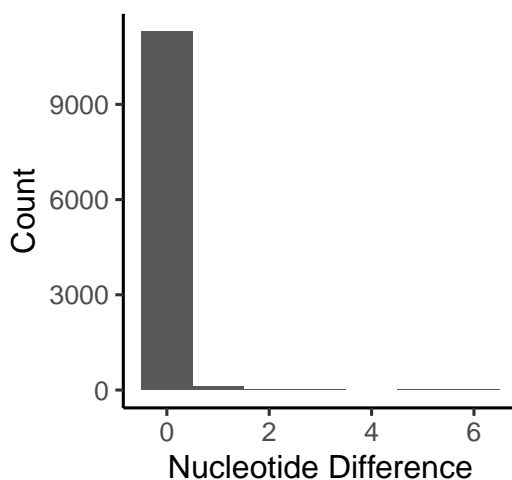
TRBV17*ap01

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



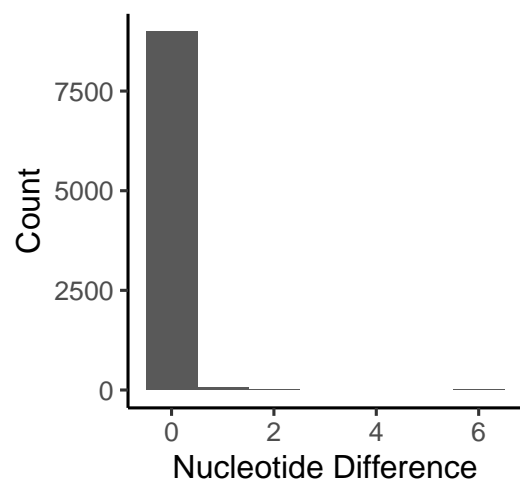
TRBV2*ap01

11413 sequences assigned
11289 (98.9%) exact matches, in which:
11107 unique CDR3
13 unique J



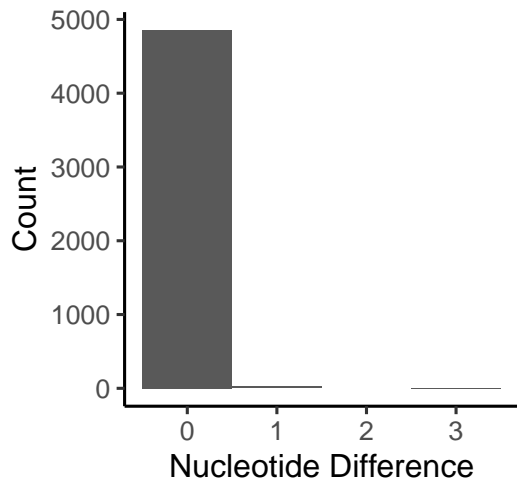
TRBV28*ap01

9048 sequences assigned
8989 (99.3%) exact matches, in which:
8924 unique CDR3
13 unique J



TRBV18*ap01

4881 sequences assigned
4856 (99.5%) exact matches, in which:
4834 unique CDR3
13 unique J



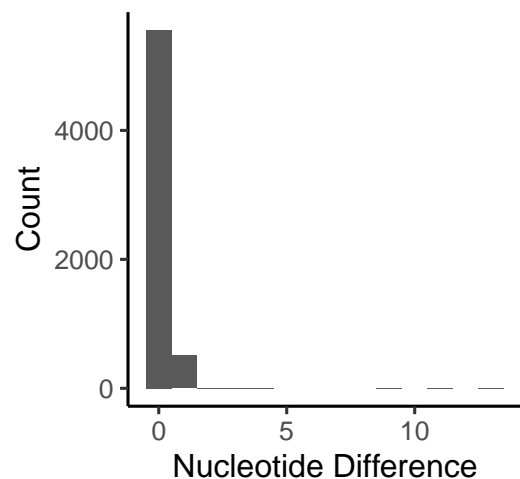
TRBV26*ap01

1 sequences assigned
No exact matches.



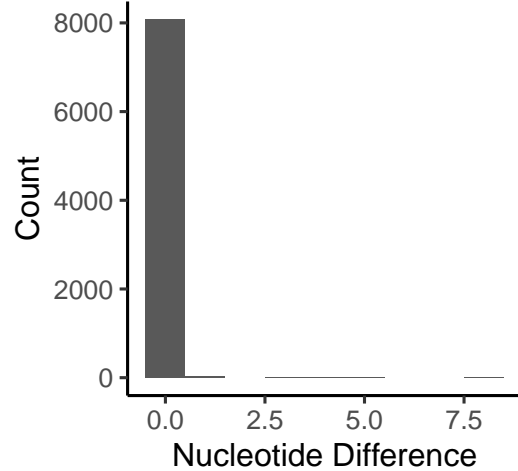
TRBV30*ap01

6079 sequences assigned
5557 (91.4%) exact matches, in which:
5453 unique CDR3
13 unique J



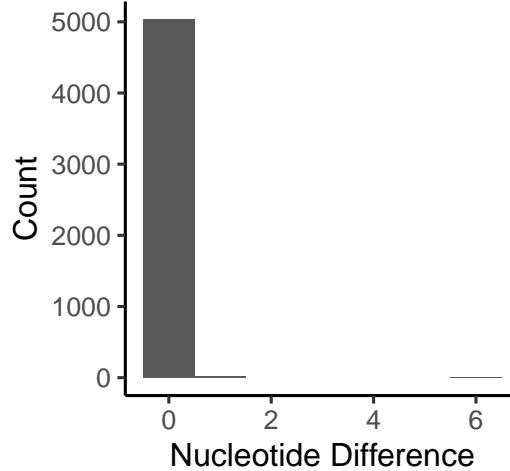
TRBV9*ap01

8119 sequences assigned
8079 (99.5%) exact matches, in which:
8012 unique CDR3
13 unique J



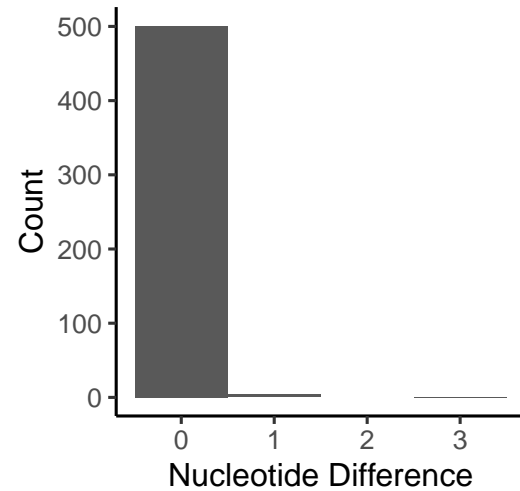
TRBV11-2*ap01

5057 sequences assigned
5034 (99.5%) exact matches, in which:
4995 unique CDR3
13 unique J



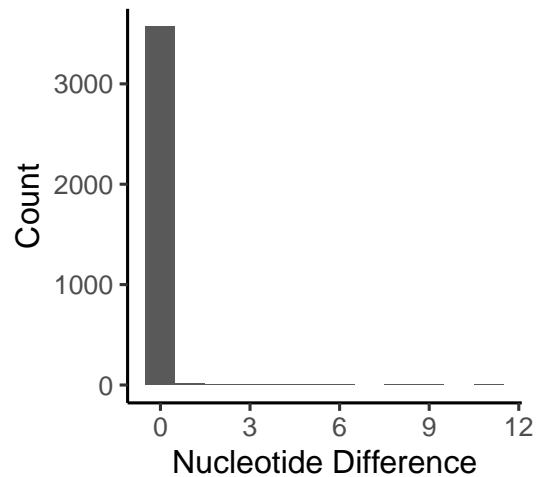
TRBV12-2*ap01

506 sequences assigned
501 (99%) exact matches, in which:
492 unique CDR3
13 unique J



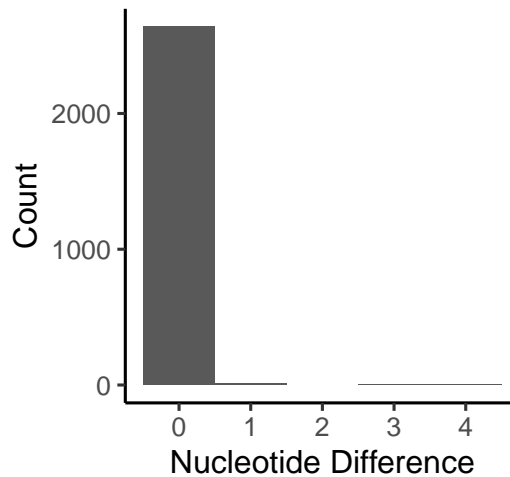
TRBV21-1*ap01

3606 sequences assigned
3569 (99%) exact matches, in which:
3547 unique CDR3
13 unique J



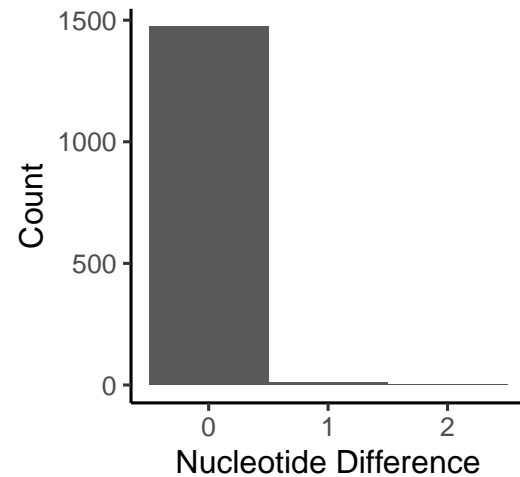
TRBV11-3*ap01

2652 sequences assigned
2639 (99.5%) exact matches, in which:
2624 unique CDR3
13 unique J



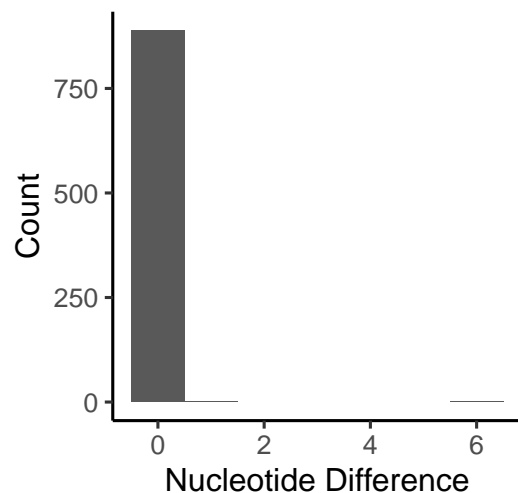
TRBV12-5*ap01

1483 sequences assigned
1473 (99.3%) exact matches, in which:
1462 unique CDR3
13 unique J



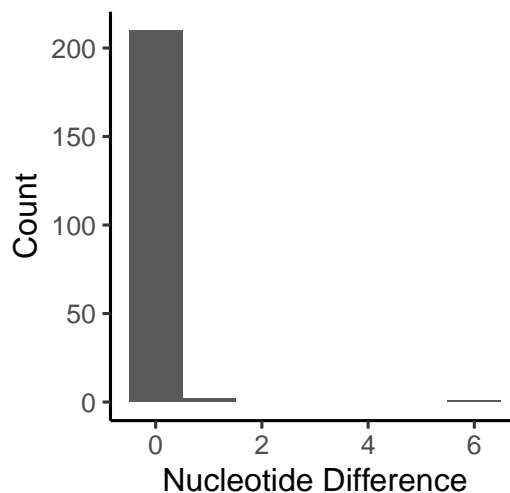
TRBV11-1*ap01

892 sequences assigned
889 (99.7%) exact matches, in which:
884 unique CDR3
13 unique J



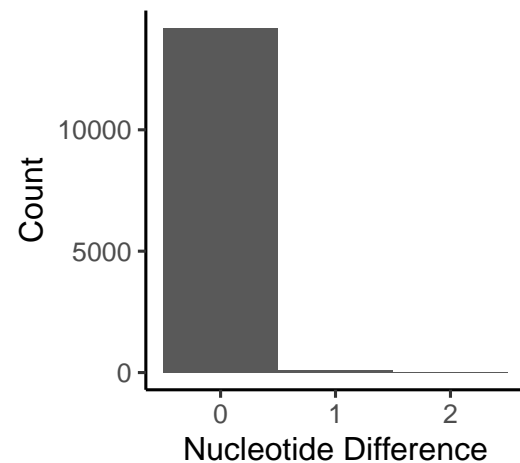
TRBV12-1*ap01

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



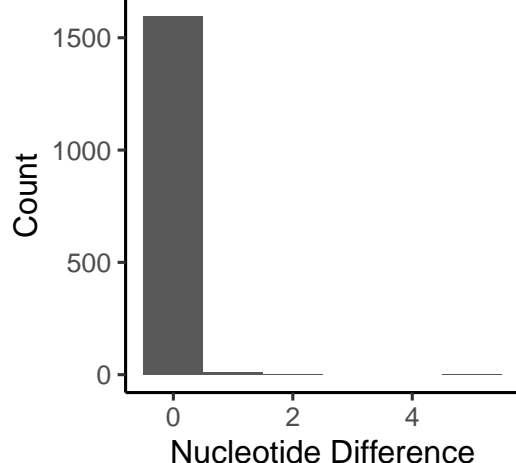
TRBV12-34*ap01

14319 sequences assigned
14202 (99.2%) exact matches, in which:
14065 unique CDR3
13 unique J



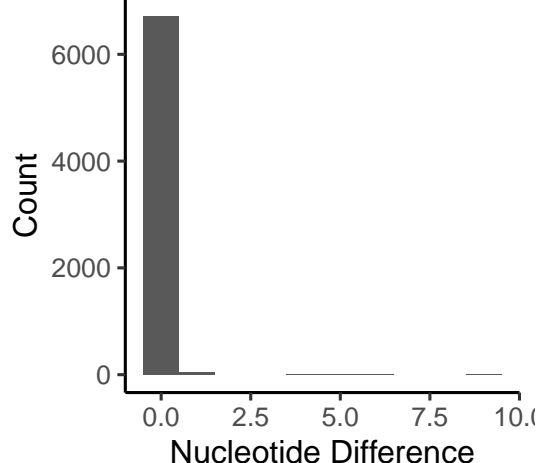
TRBV23-1*ap01

1610 sequences assigned
1595 (99.1%) exact matches, in which:
1591 unique CDR3
13 unique J



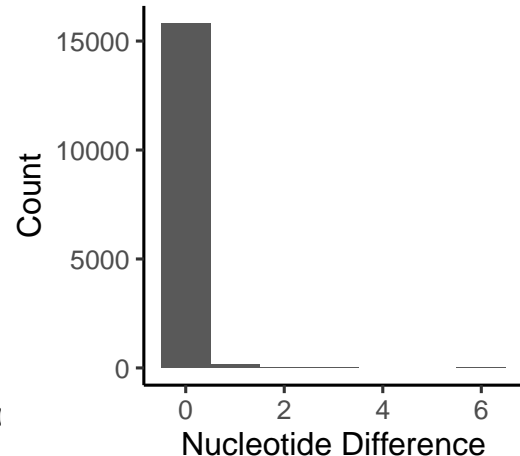
TRBV4-1*ap01

6768 sequences assigned
6710 (99.1%) exact matches, in which:
6603 unique CDR3
13 unique J



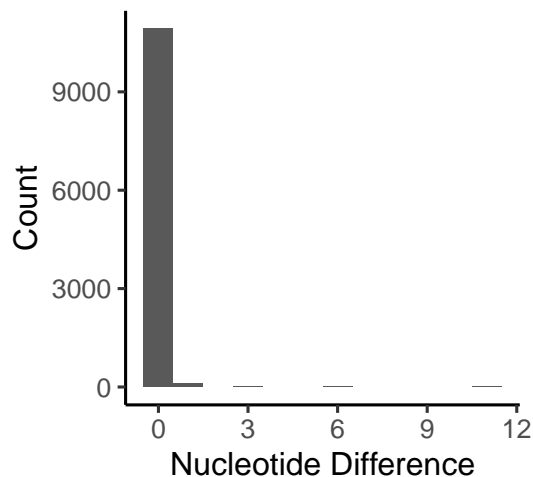
TRBV5-1*ap01

15977 sequences assigned
15822 (99%) exact matches, in which:
15513 unique CDR3
13 unique J



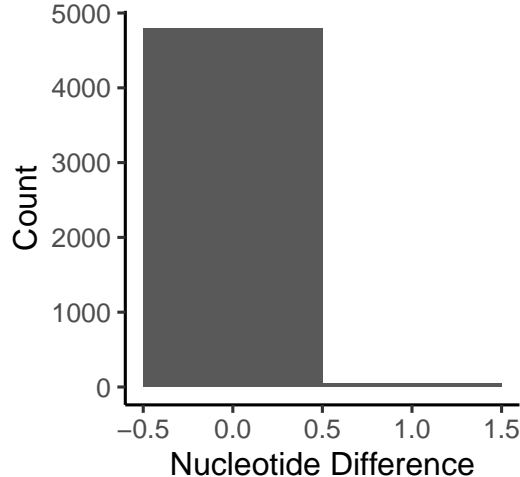
TRBV3-12*ap01

11042 sequences assigned
10925 (98.9%) exact matches, in which:
10790 unique CDR3
13 unique J



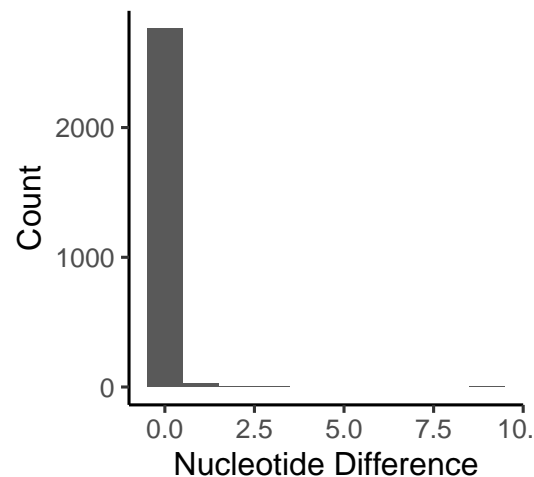
TRBV4-2*ap01

4833 sequences assigned
4790 (99.1%) exact matches, in which:
4729 unique CDR3
13 unique J



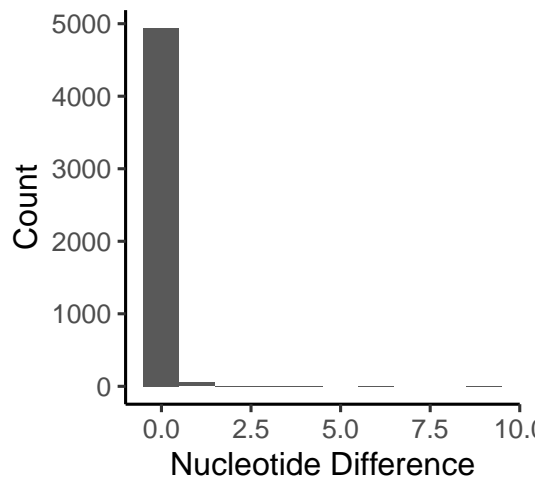
TRBV25-1*ap01

2796 sequences assigned
2762 (98.8%) exact matches, in which:
2705 unique CDR3
13 unique J



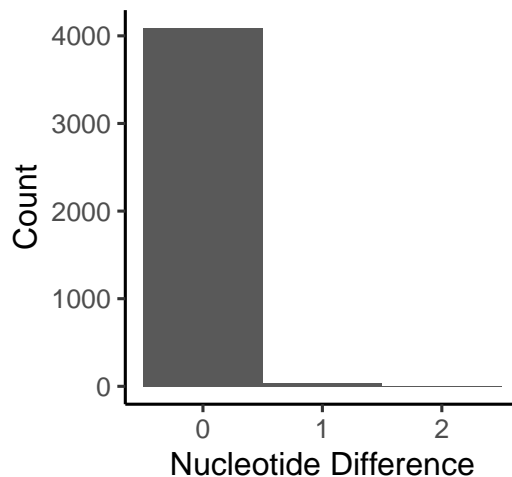
TRBV24-1*ap01

5002 sequences assigned
4940 (98.8%) exact matches, in which:
4846 unique CDR3
14 unique J



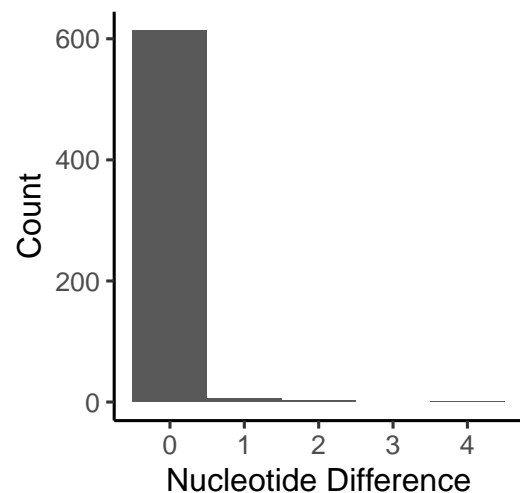
TRBV4-3*ap01

4131 sequences assigned
4089 (99%) exact matches, in which:
4035 unique CDR3
13 unique J



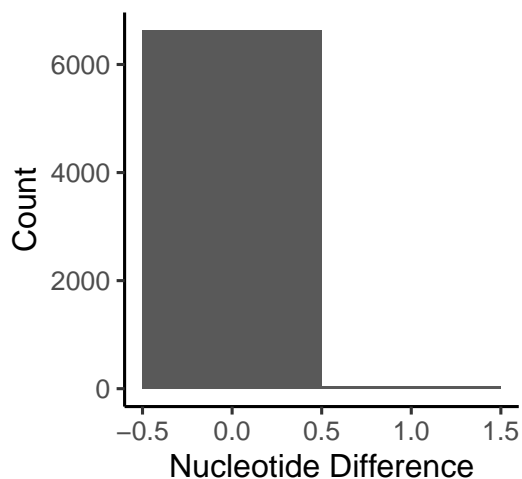
TRBV5-3*ap01

624 sequences assigned
614 (98.4%) exact matches, in which:
611 unique CDR3
13 unique J



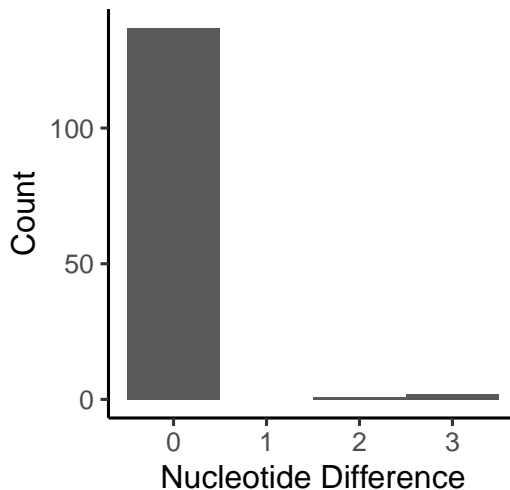
TRBV5-4*ap01

6685 sequences assigned
6631 (99.2%) exact matches, in which:
6546 unique CDR3
13 unique J



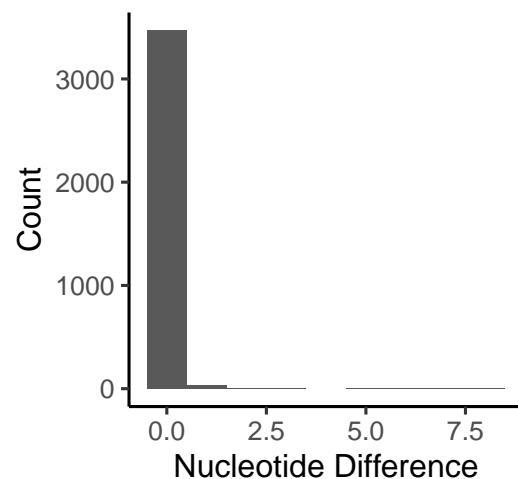
TRBV5-7*ap01

140 sequences assigned
137 (97.9%) exact matches, in which:
134 unique CDR3
12 unique J



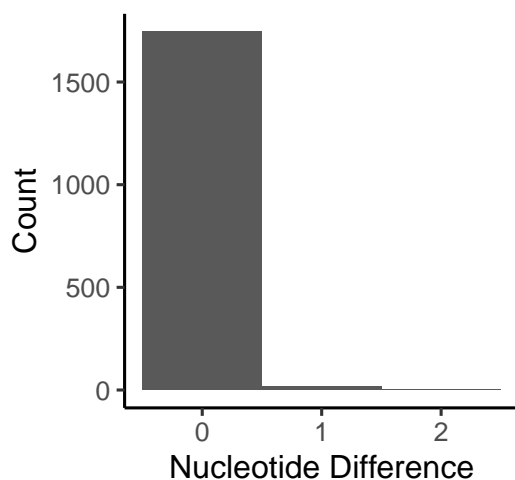
TRBV6-4*ap01

3510 sequences assigned
3470 (98.9%) exact matches, in which:
3447 unique CDR3
13 unique J



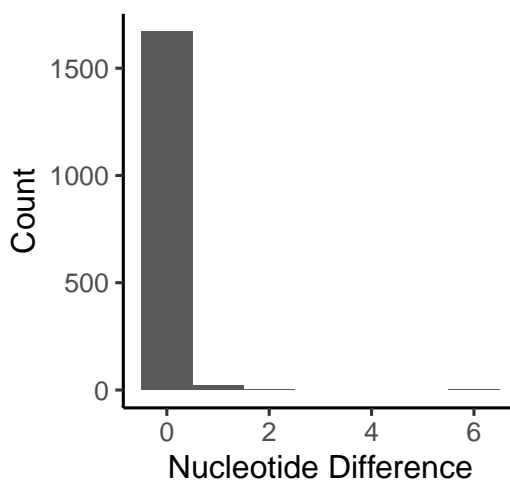
TRBV5-5*ap01

1761 sequences assigned
1745 (99.1%) exact matches, in which:
1733 unique CDR3
13 unique J



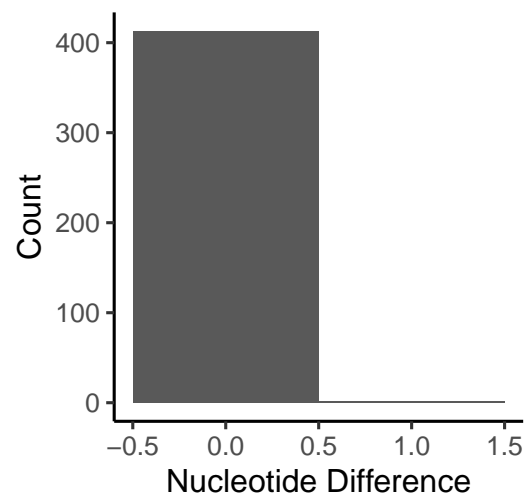
TRBV5-8*ap01

1695 sequences assigned
1670 (98.5%) exact matches, in which:
1659 unique CDR3
13 unique J



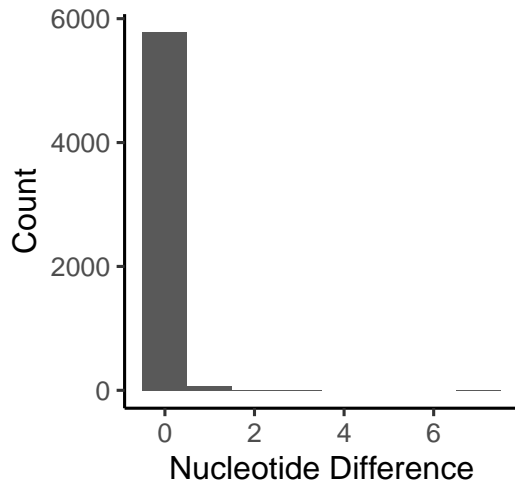
TRBV6-7*ap01

415 sequences assigned
413 (99.5%) exact matches, in which:
400 unique CDR3
13 unique J



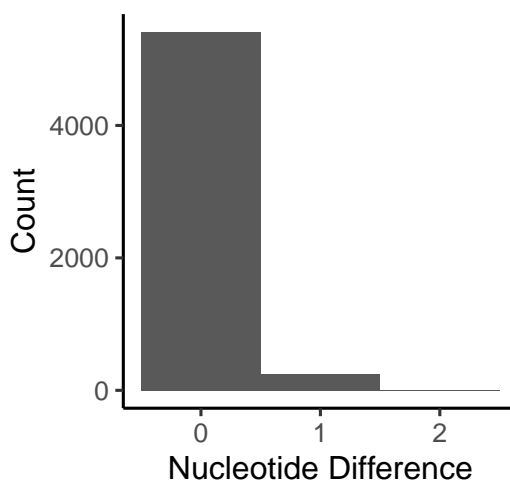
TRBV5-6*ap01

5852 sequences assigned
5784 (98.8%) exact matches, in which:
5643 unique CDR3
13 unique J



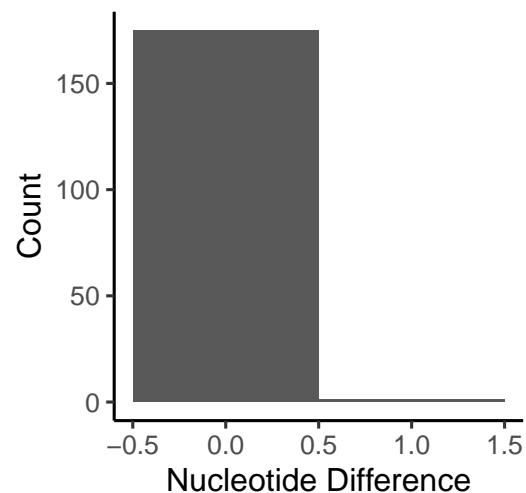
TRBV6-1*ap01

5665 sequences assigned
5411 (95.5%) exact matches, in which:
5307 unique CDR3
13 unique J



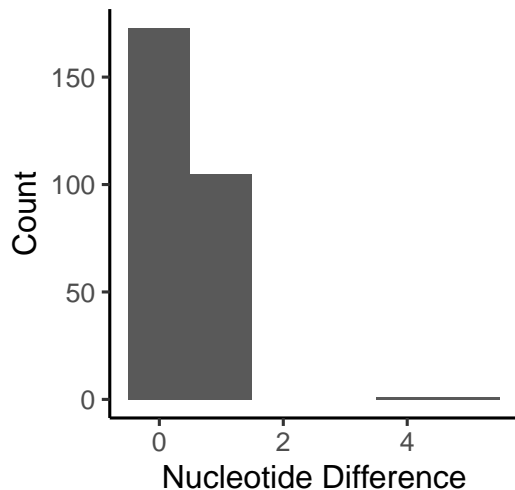
TRBV6-8*ap01

176 sequences assigned
175 (99.4%) exact matches, in which:
173 unique CDR3
13 unique J



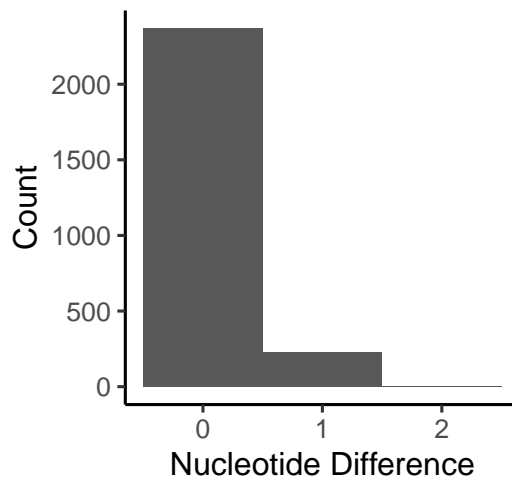
TRBV6–9*ap01

280 sequences assigned
173 (61.8%) exact matches, in which:
170 unique CDR3
13 unique J



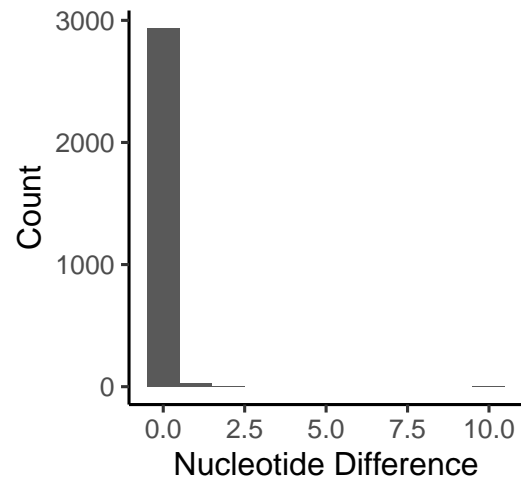
TRBV6–56*ap02

2596 sequences assigned
2369 (91.3%) exact matches, in which:
2338 unique CDR3
13 unique J



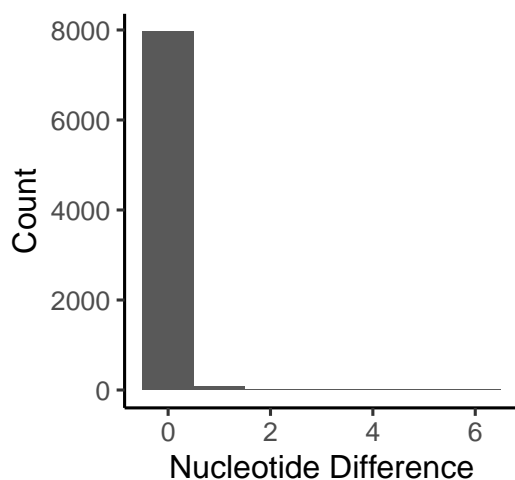
TRBV7–3*ap01

2963 sequences assigned
2934 (99%) exact matches, in which:
2922 unique CDR3
13 unique J



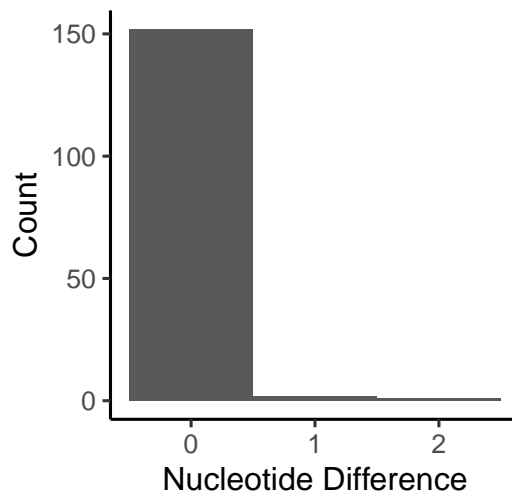
TRBV6–23*ap01

8045 sequences assigned
7961 (99%) exact matches, in which:
7804 unique CDR3
13 unique J



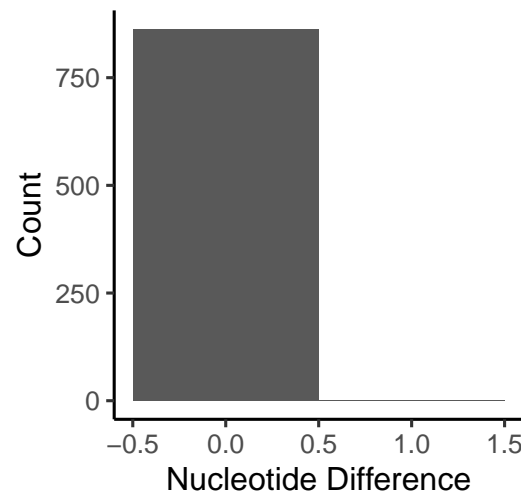
TRBV7–1*ap01_G291C_

155 sequences assigned
152 (98.1%) exact matches, in which:
151 unique CDR3
13 unique J



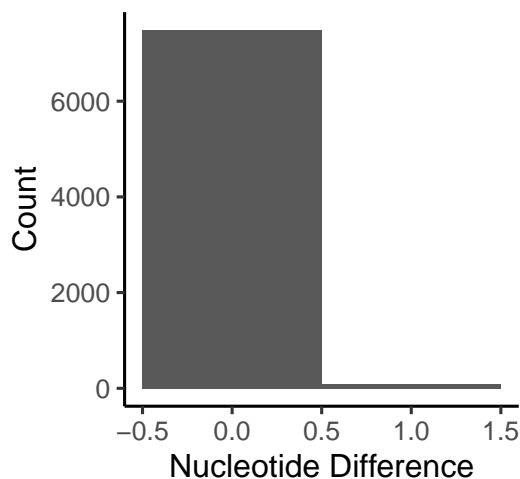
TRBV7–3*ap03

864 sequences assigned
863 (99.9%) exact matches, in which:
855 unique CDR3
14 unique J



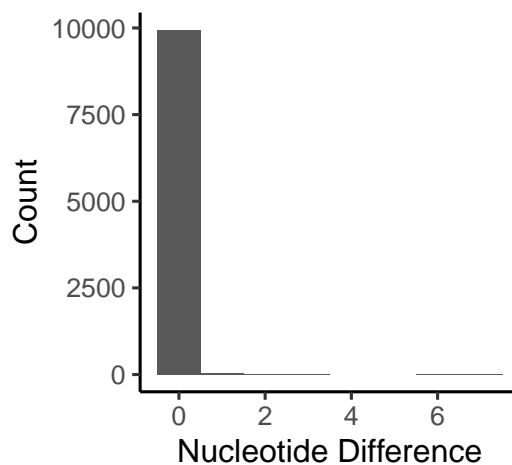
TRBV6–56*ap01

7583 sequences assigned
7487 (98.7%) exact matches, in which:
7346 unique CDR3
13 unique J



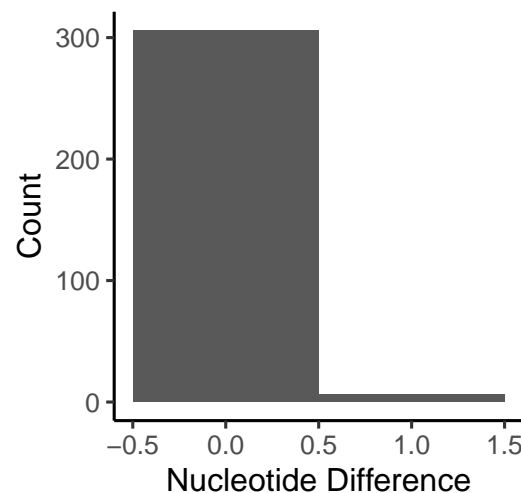
TRBV7–2*ap01

10008 sequences assigned
9947 (99.4%) exact matches, in which:
9874 unique CDR3
13 unique J



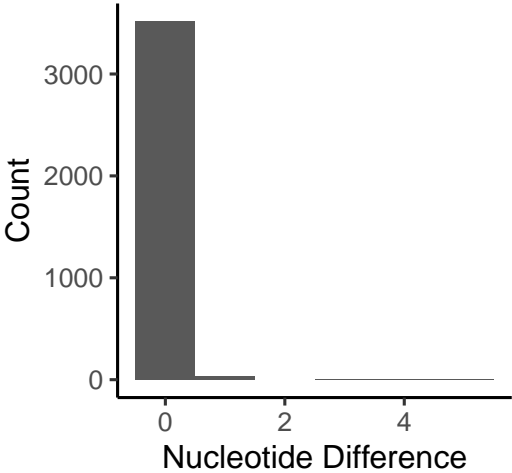
TRBV7–4*ap01

312 sequences assigned
306 (98.1%) exact matches, in which:
303 unique CDR3
13 unique J



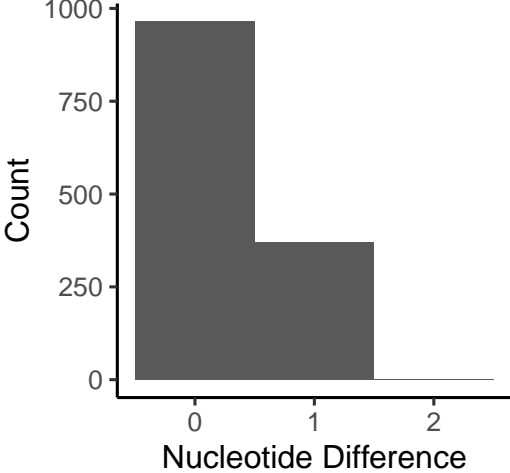
TRBV7-6*ap01

3555 sequences assigned
3516 (98.9%) exact matches, in which:
3476 unique CDR3
13 unique J



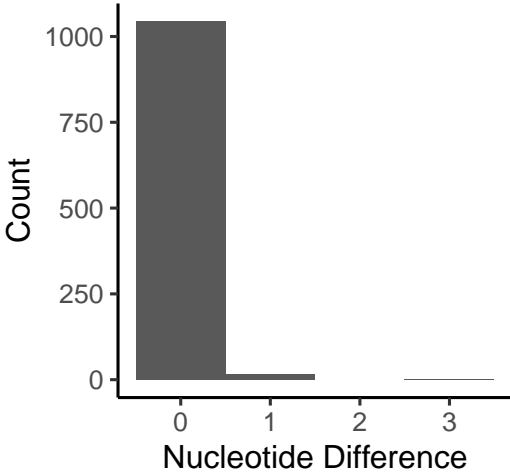
TRBV7-8*ap03

1338 sequences assigned
965 (72.1%) exact matches, in which:
953 unique CDR3
13 unique J



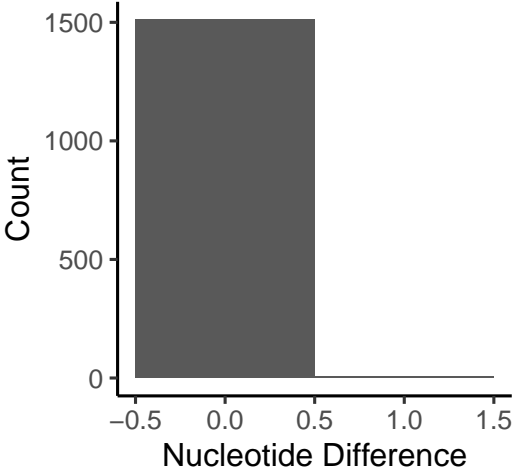
TRBV29-1*ap02

1060 sequences assigned
1044 (98.5%) exact matches, in which:
1020 unique CDR3
13 unique J



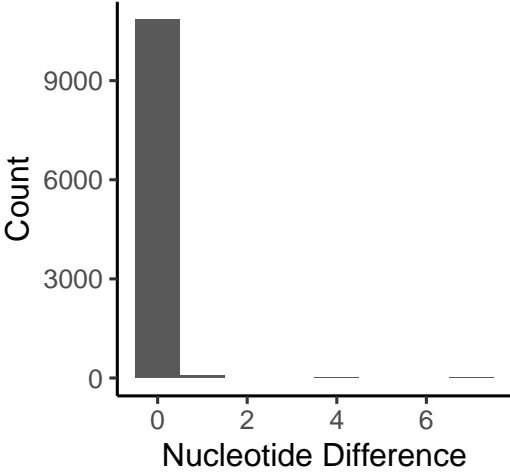
TRBV7-7*ap01_C315T

1517 sequences assigned
1511 (99.6%) exact matches, in which:
1494 unique CDR3
13 unique J



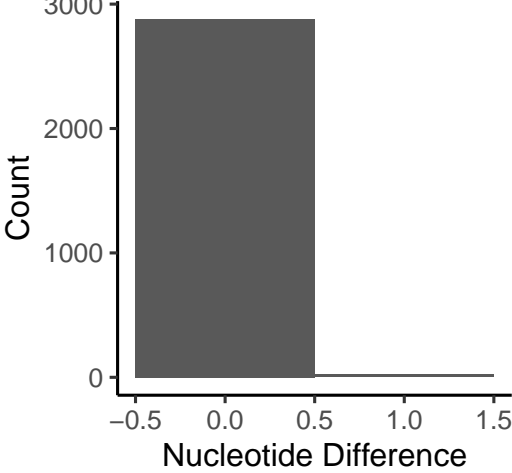
TRBV7-9*ap01

10915 sequences assigned
10844 (99.3%) exact matches, in which:
10761 unique CDR3
13 unique J



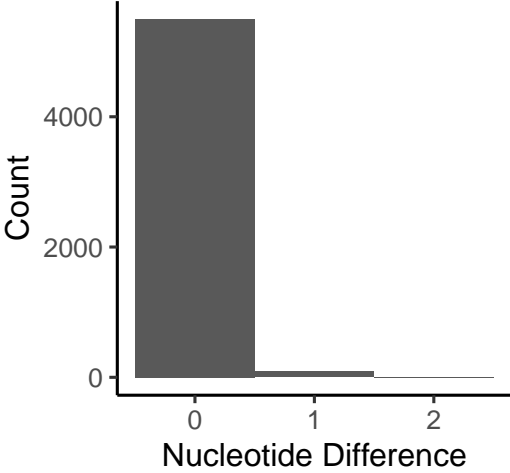
TRBV7-8*ap01

2903 sequences assigned
2880 (99.2%) exact matches, in which:
2863 unique CDR3
13 unique J

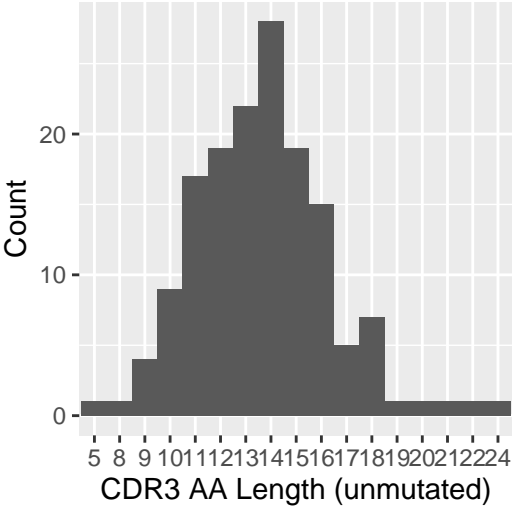


TRBV29-1*ap01

5595 sequences assigned
5500 (98.3%) exact matches, in which:
5384 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

