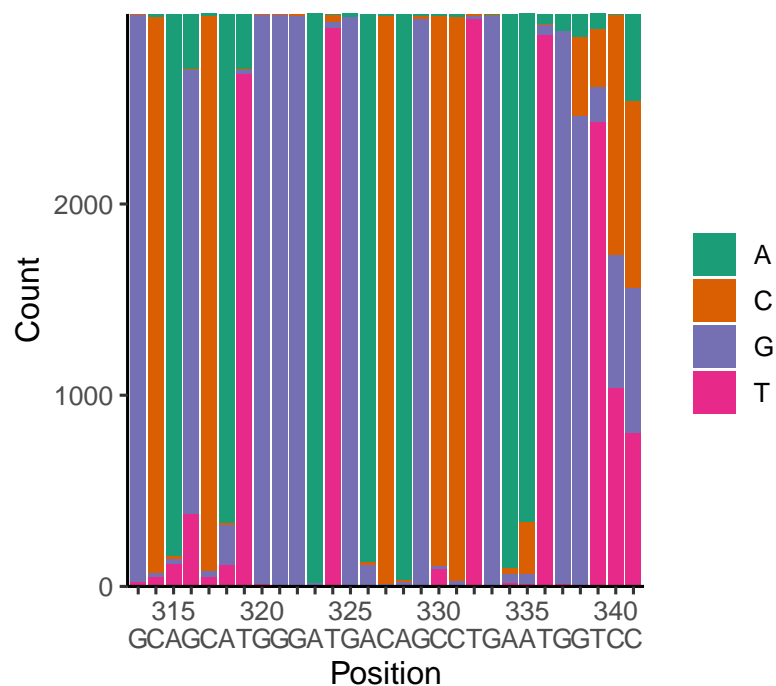
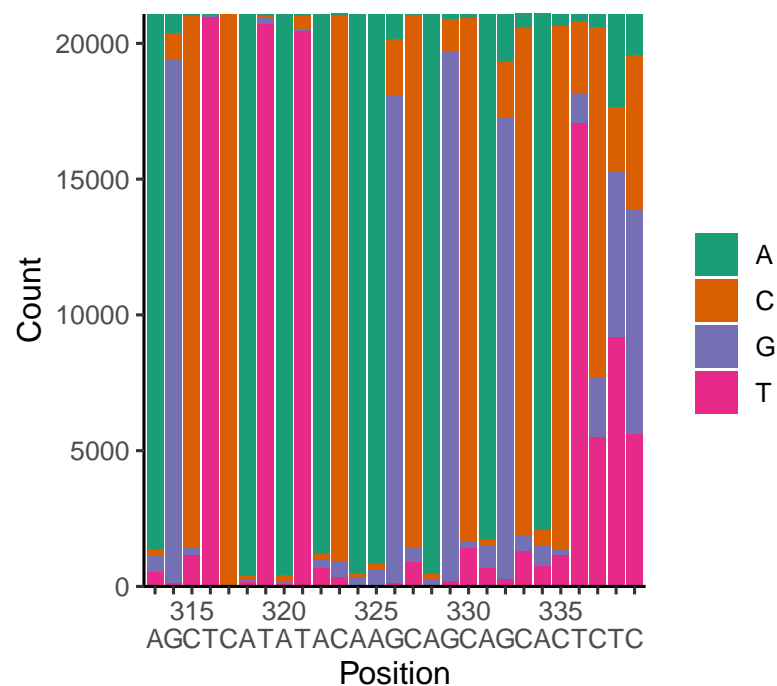


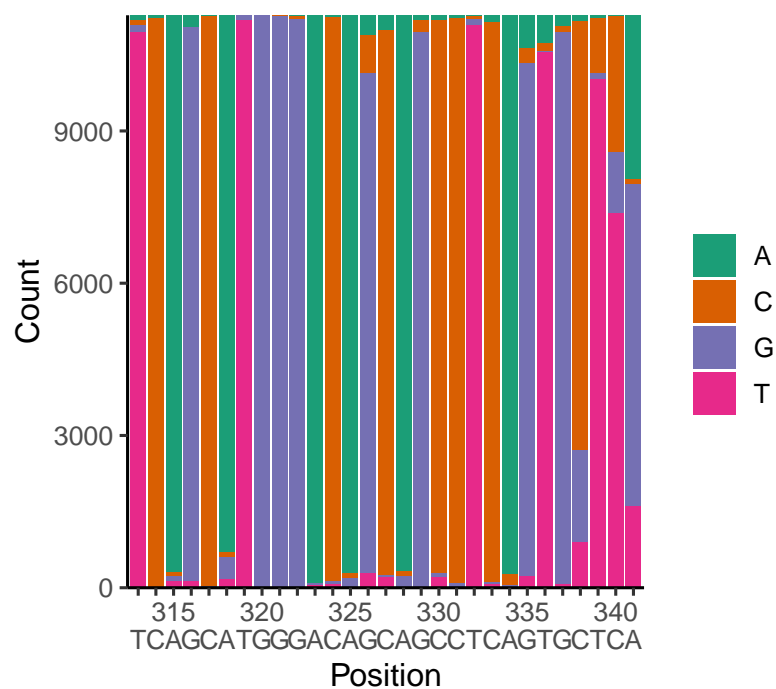
Gene IGLV1-44*01_S0696



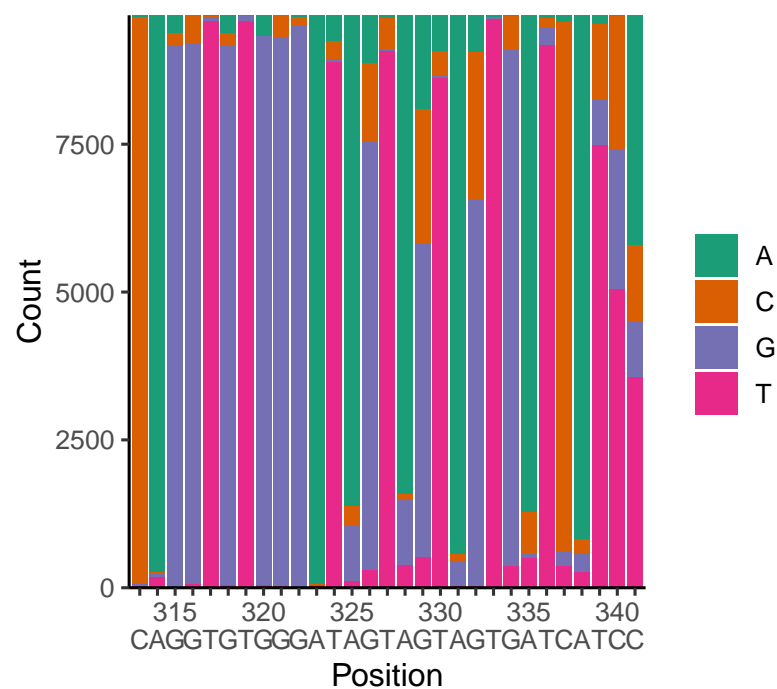
Gene IGLV2-14*04



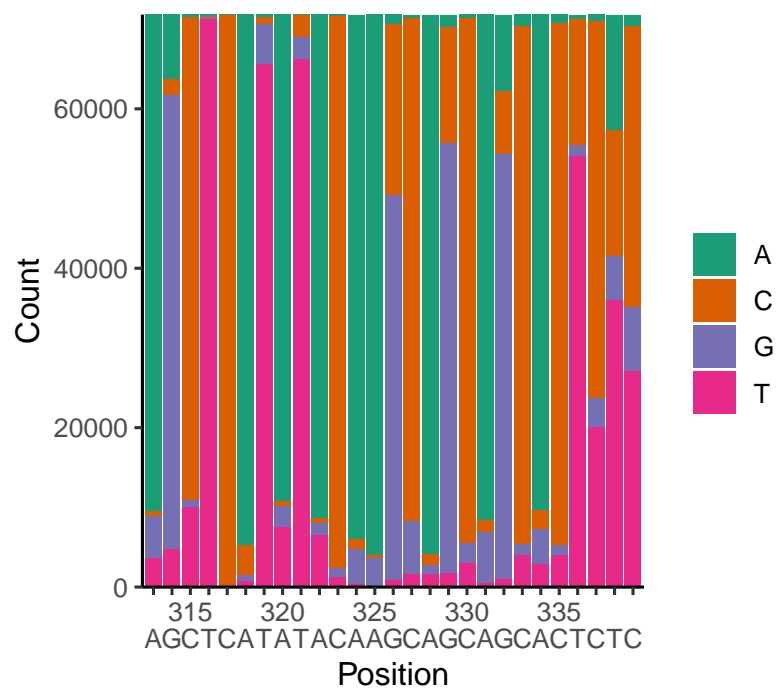
Gene IGLV10-54*01_S4180



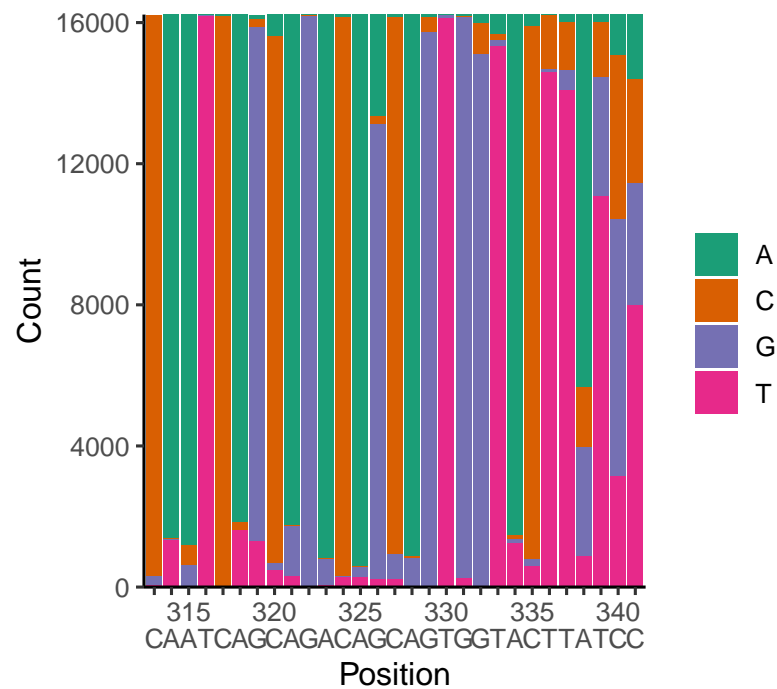
Gene IGLV3-21*01_S5562



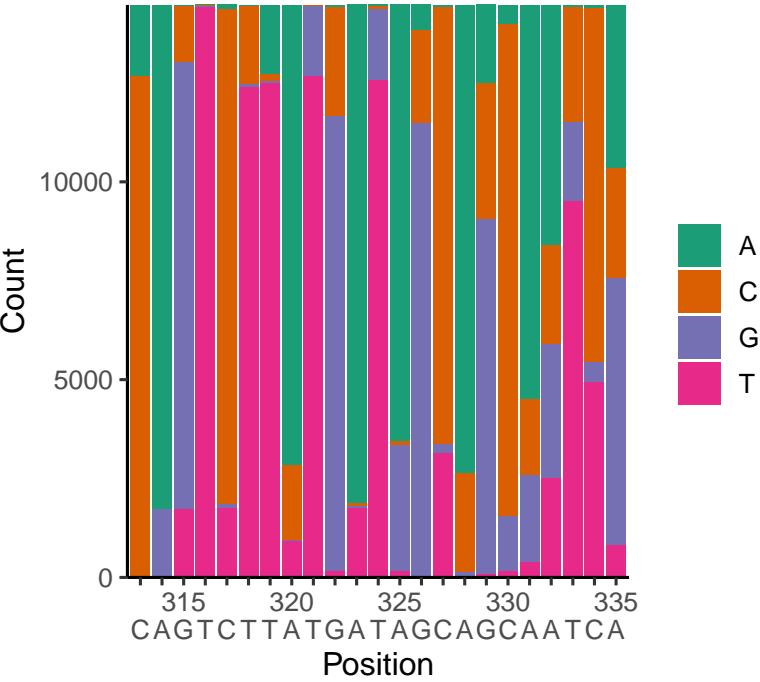
Gene IGLV2-14*03



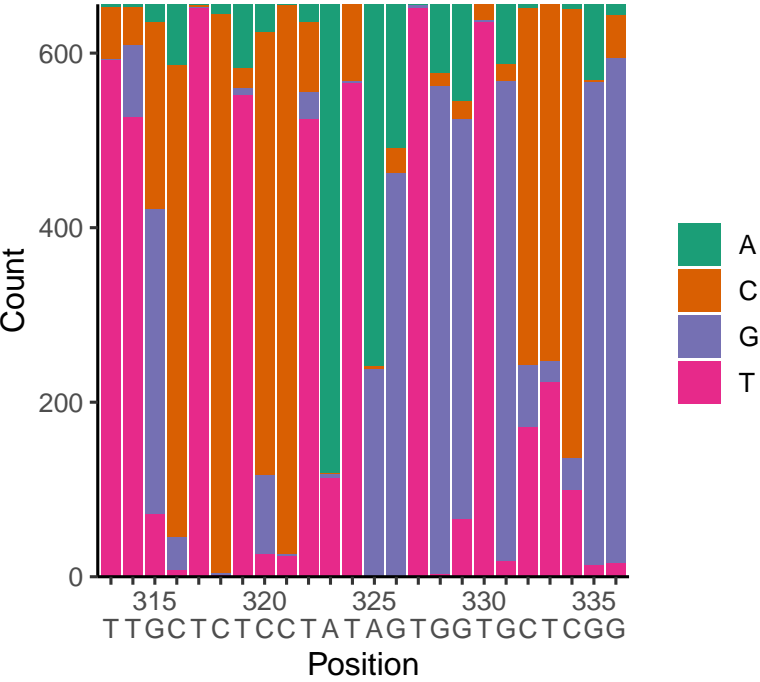
Gene IGLV3-25*02_S7225



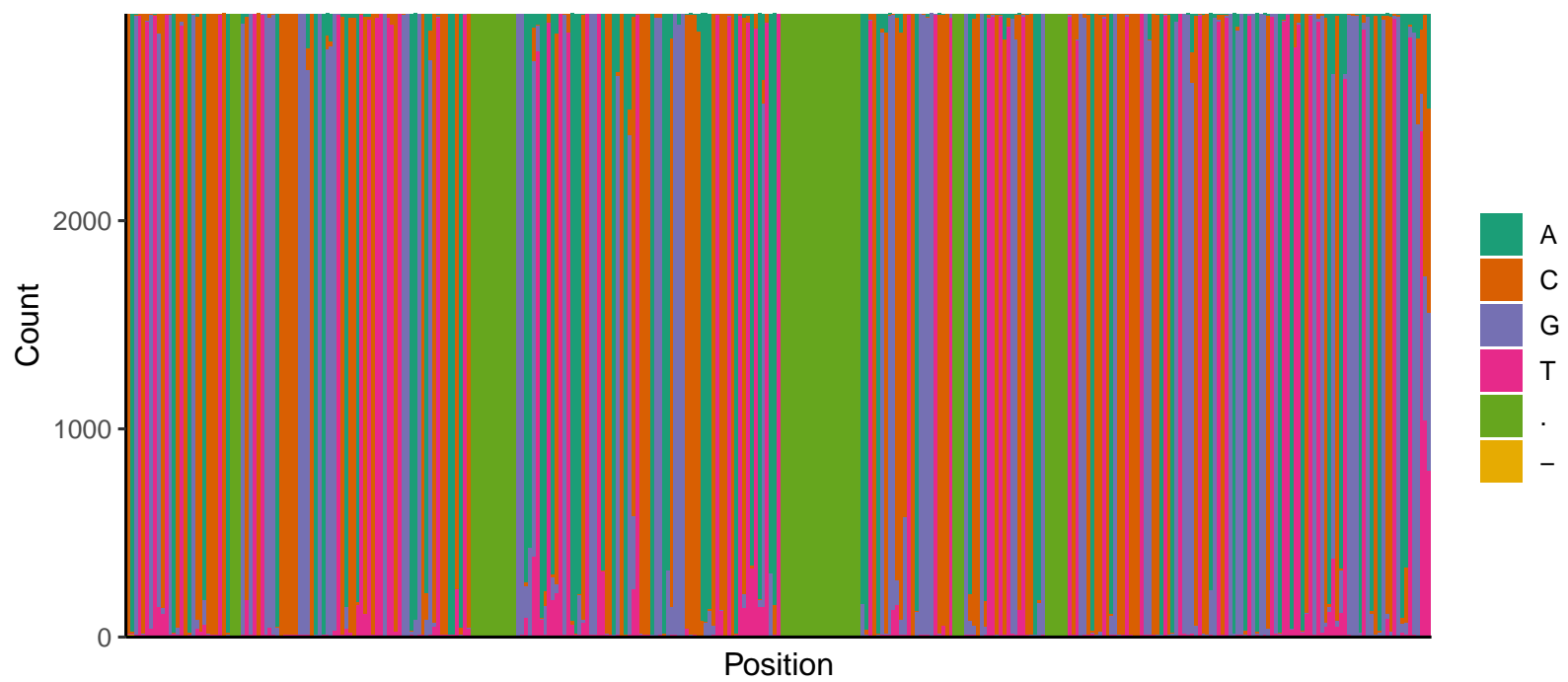
Gene IGLV6-57*01_S1429



Gene IGLV7-46*01_S3303



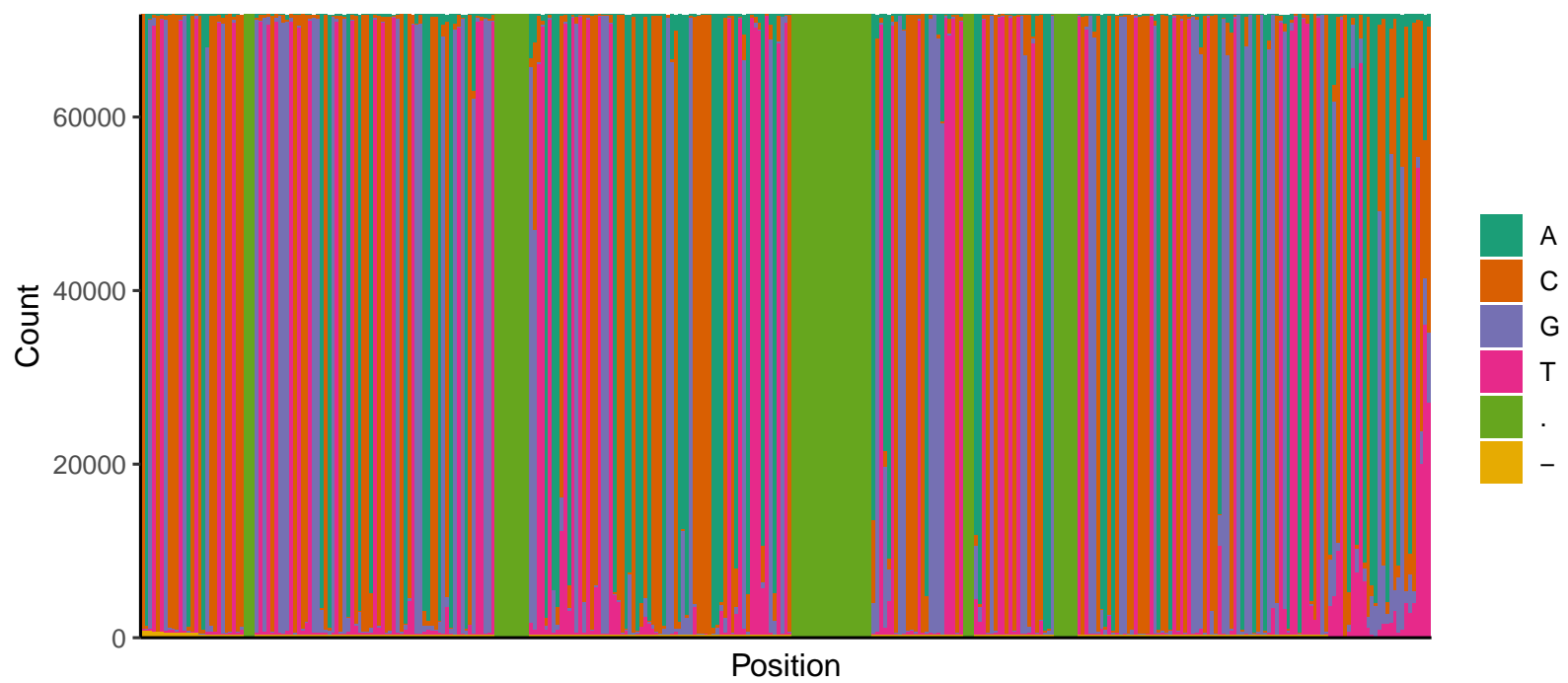
Gene IGLV1-44*01_S0696



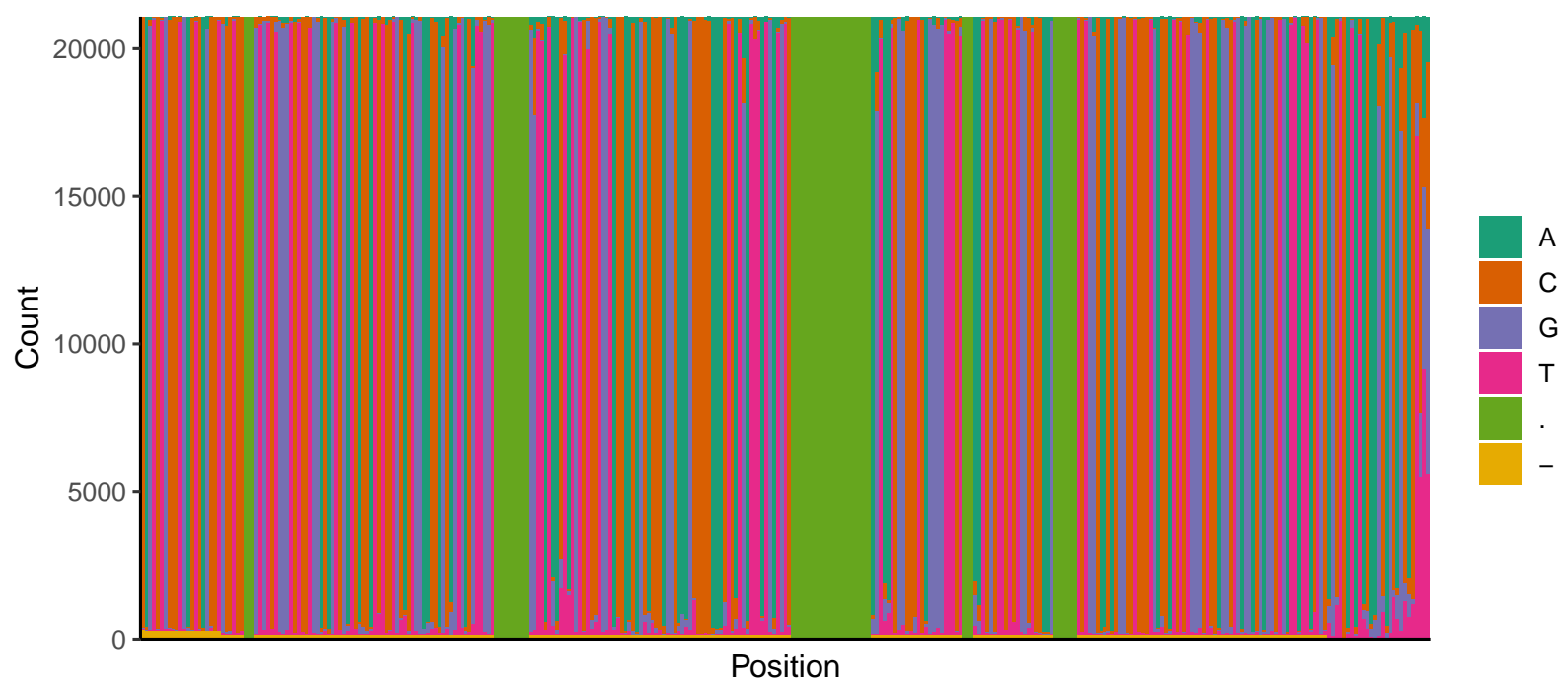
Gene IGLV10-54*01_S4180



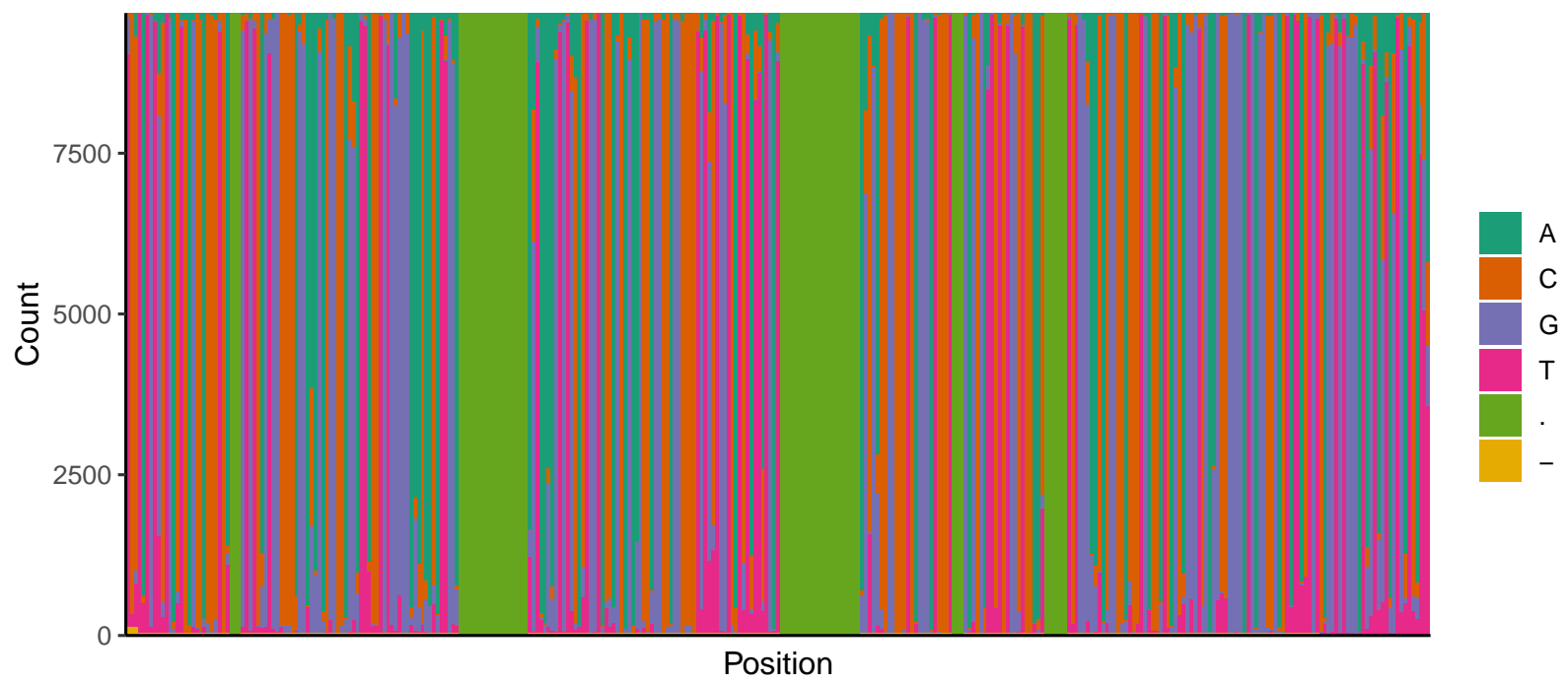
Gene IGLV2-14*03



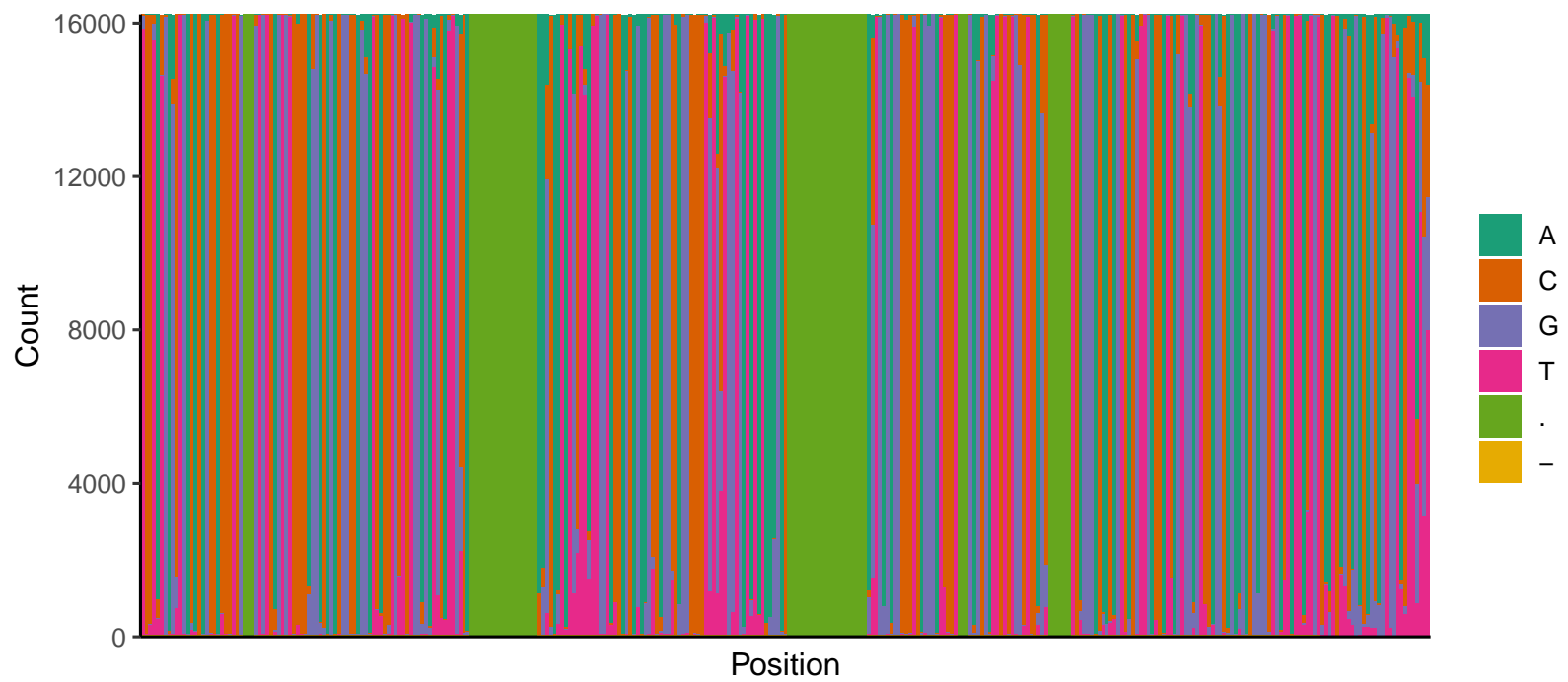
Gene IGLV2-14*04



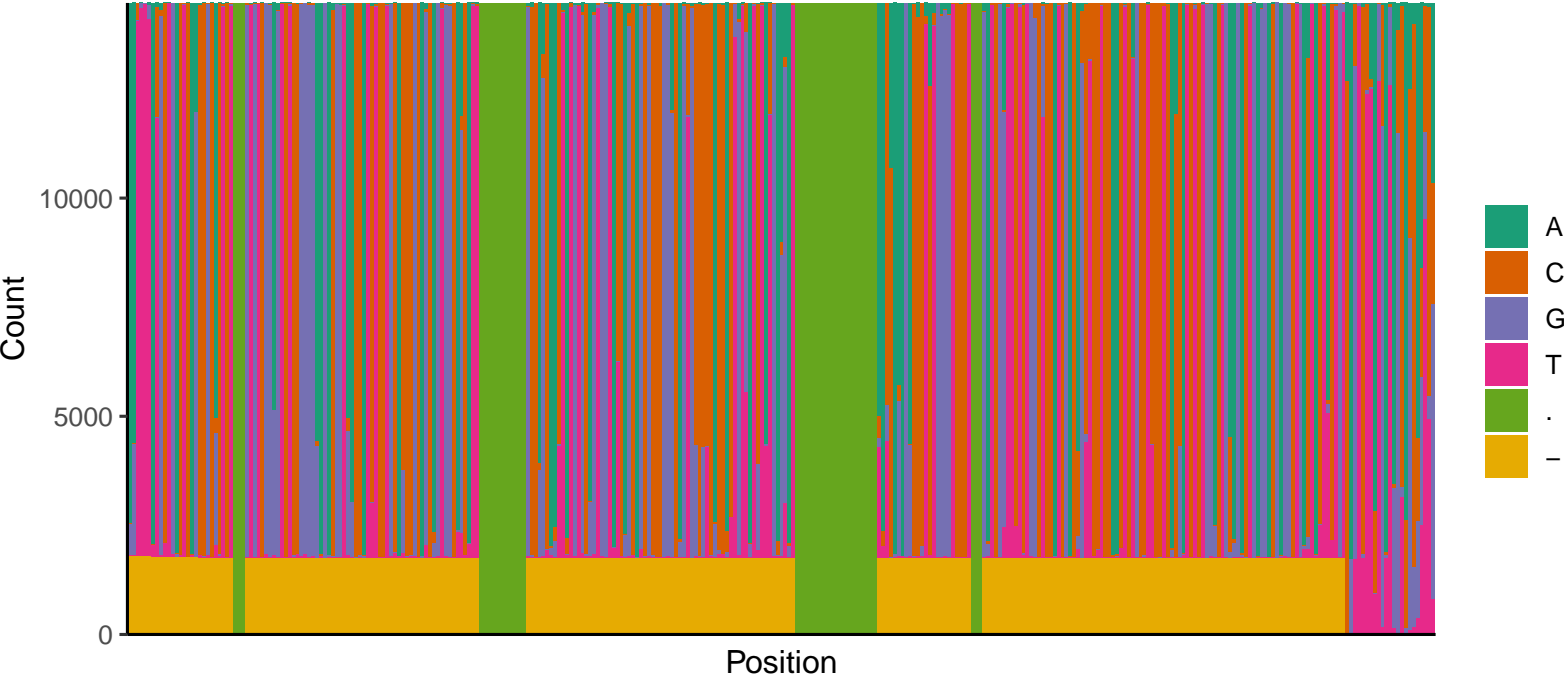
Gene IGLV3-21*01_S5562



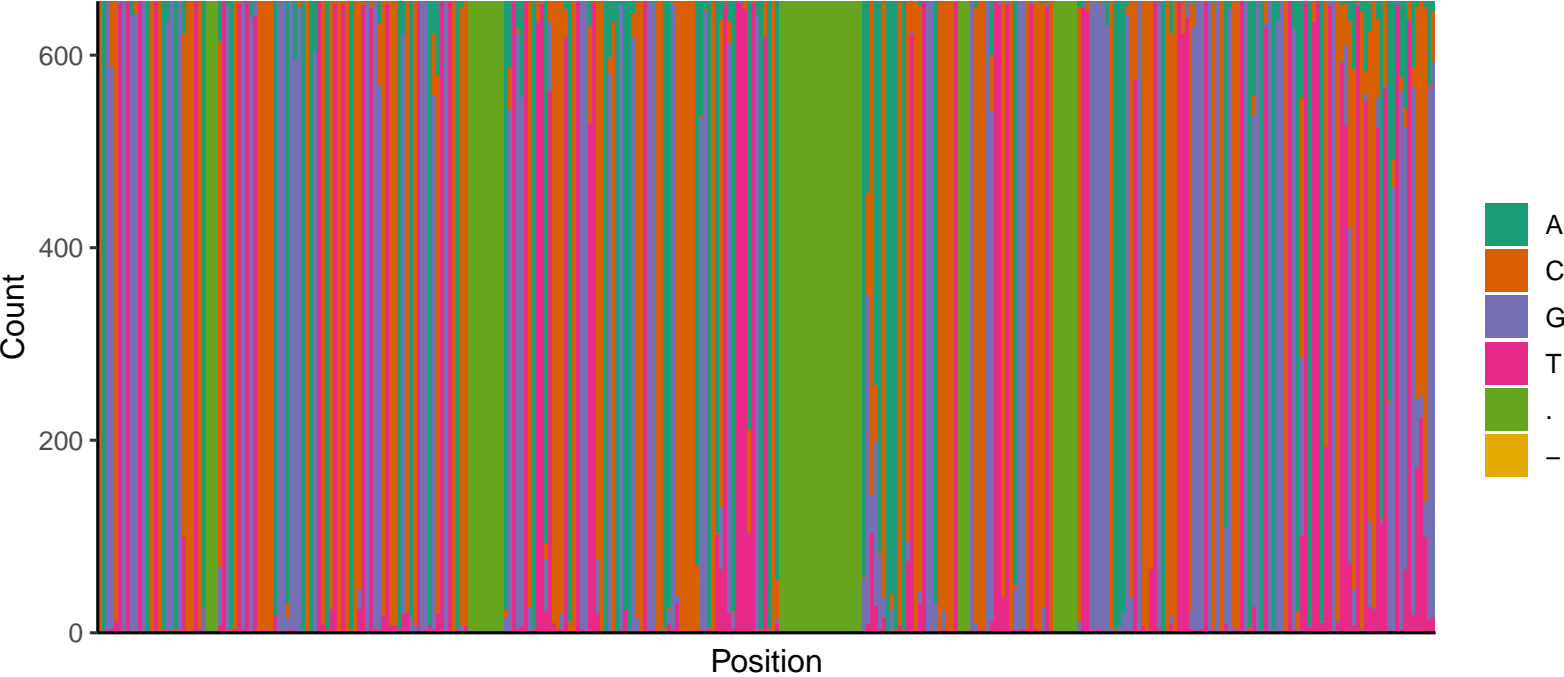
Gene IGLV3-25*02_S7225



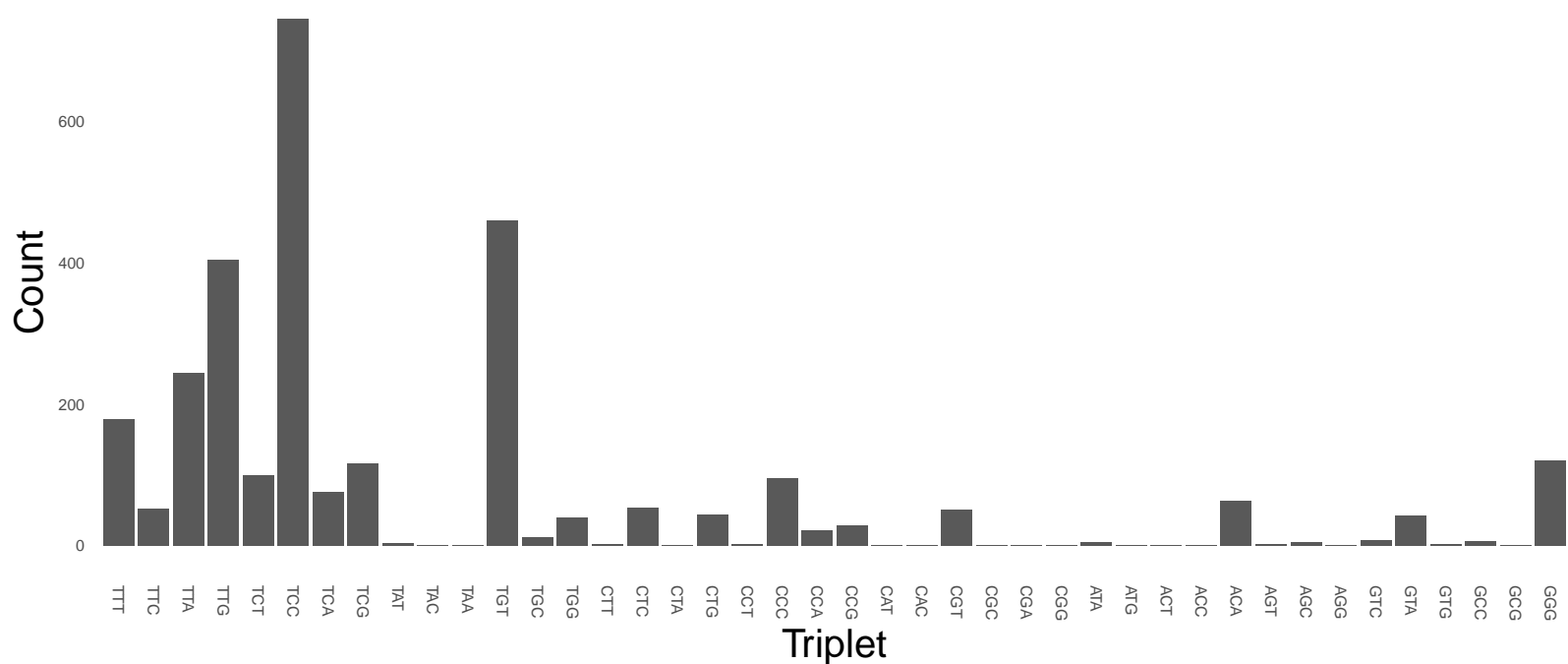
Gene IGLV6-57*01_S1429



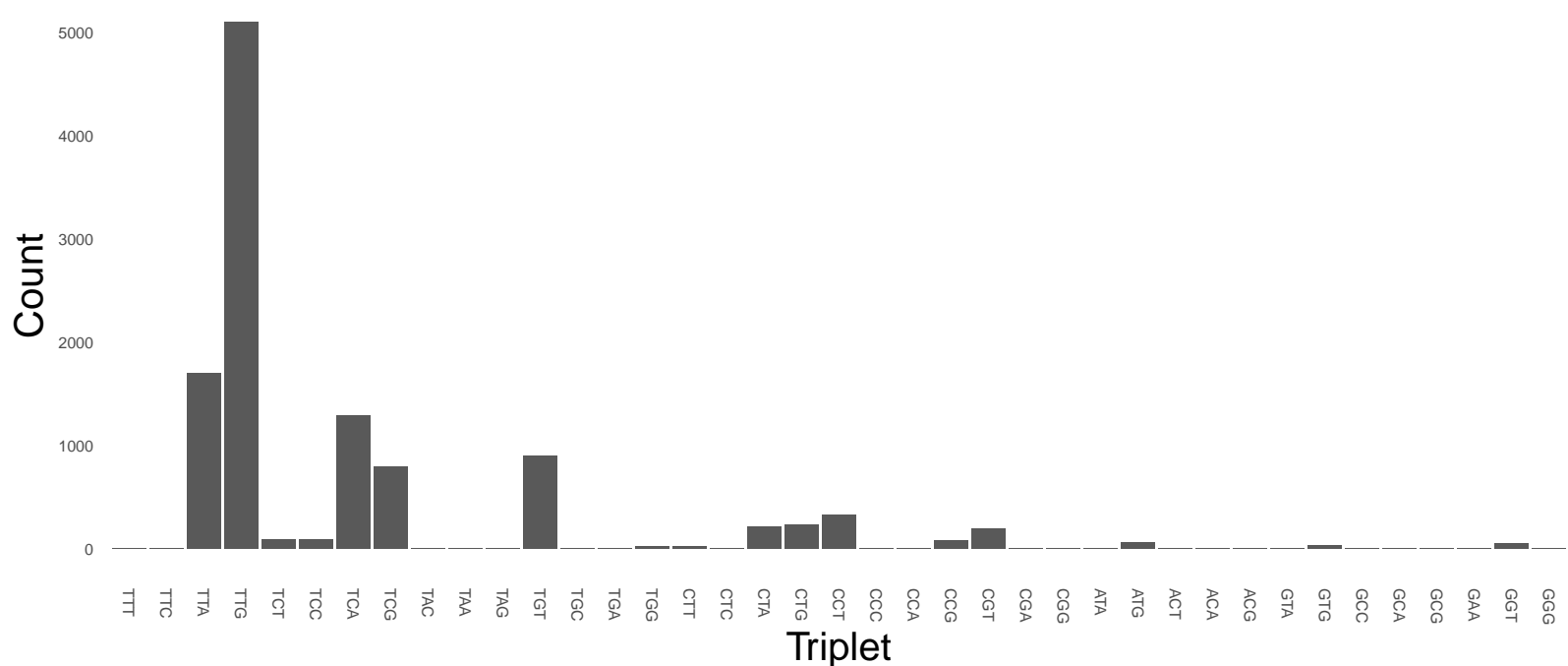
Gene IGLV7-46*01_S3303



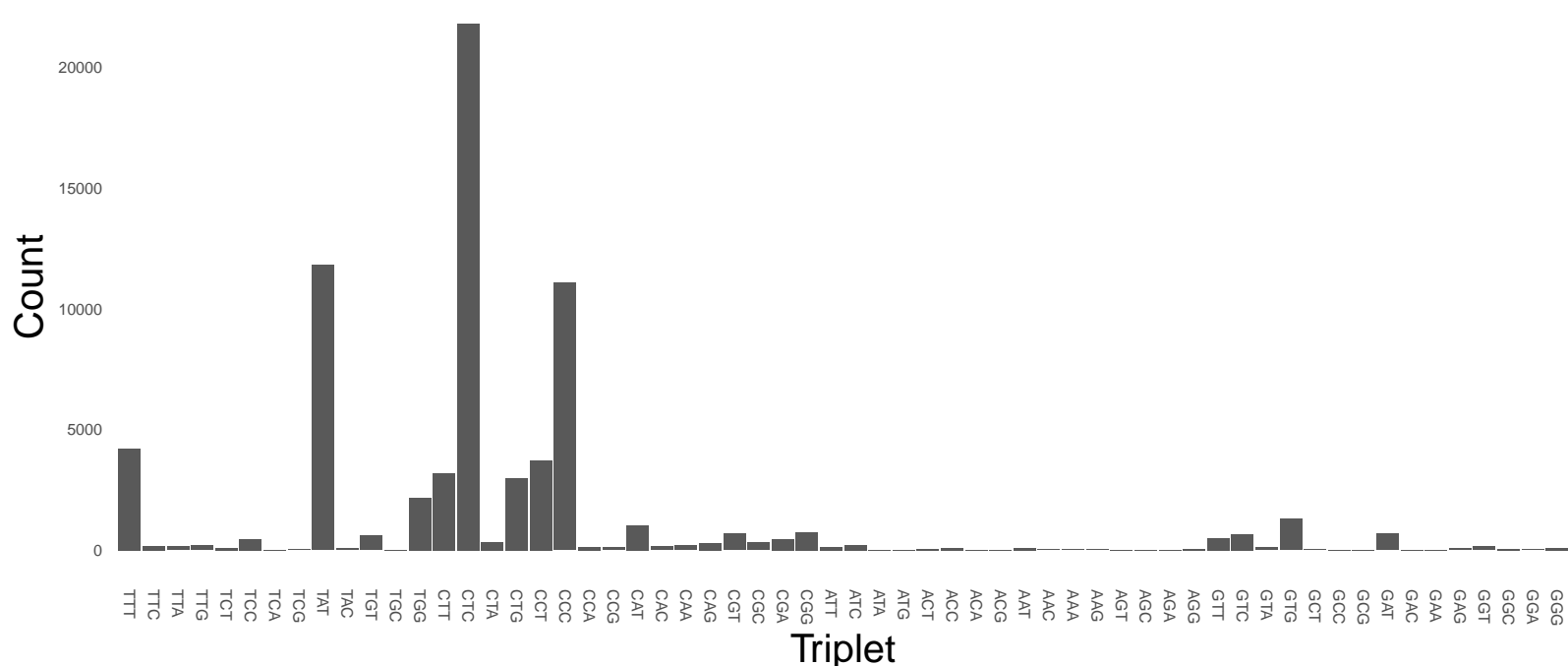
IGLV1-44*01_S0696- Final 3 nucleotides as a triplet



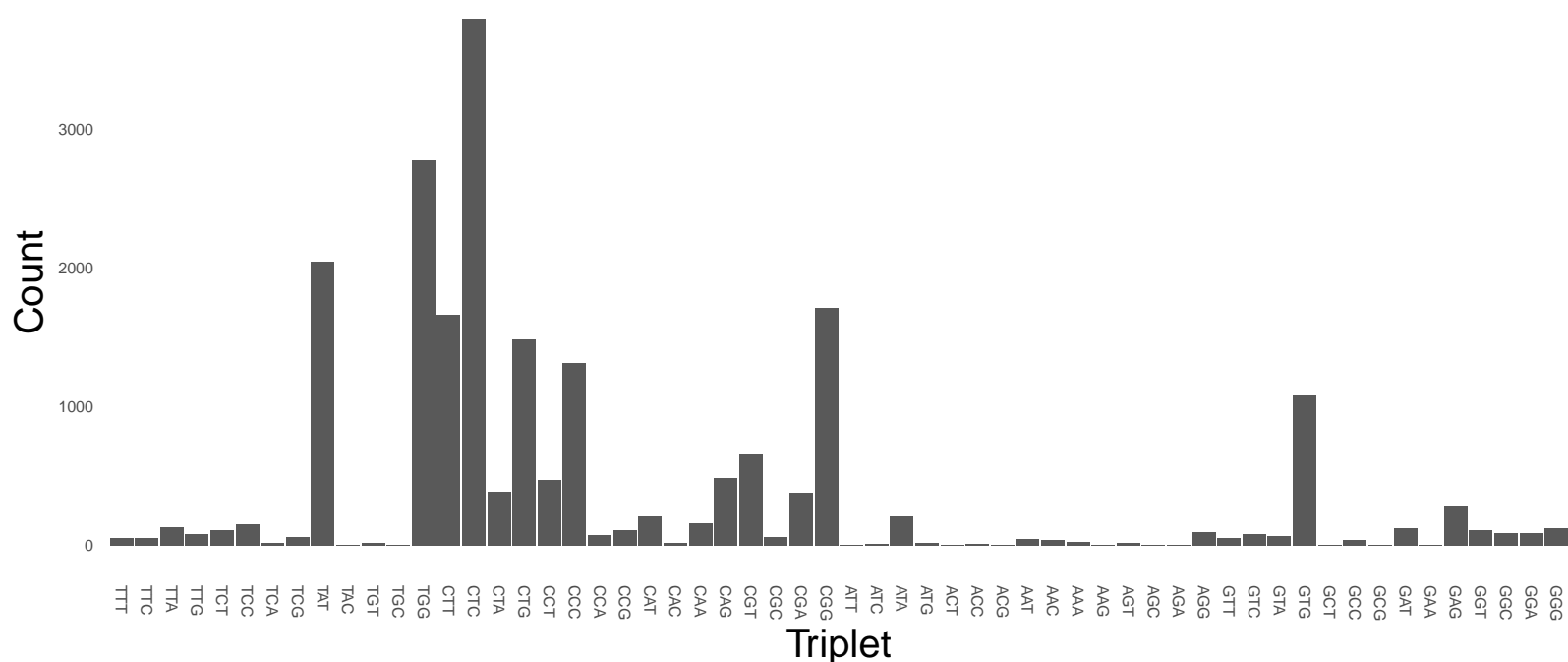
IGLV10-54*01_S4180- Final 3 nucleotides as a triplet



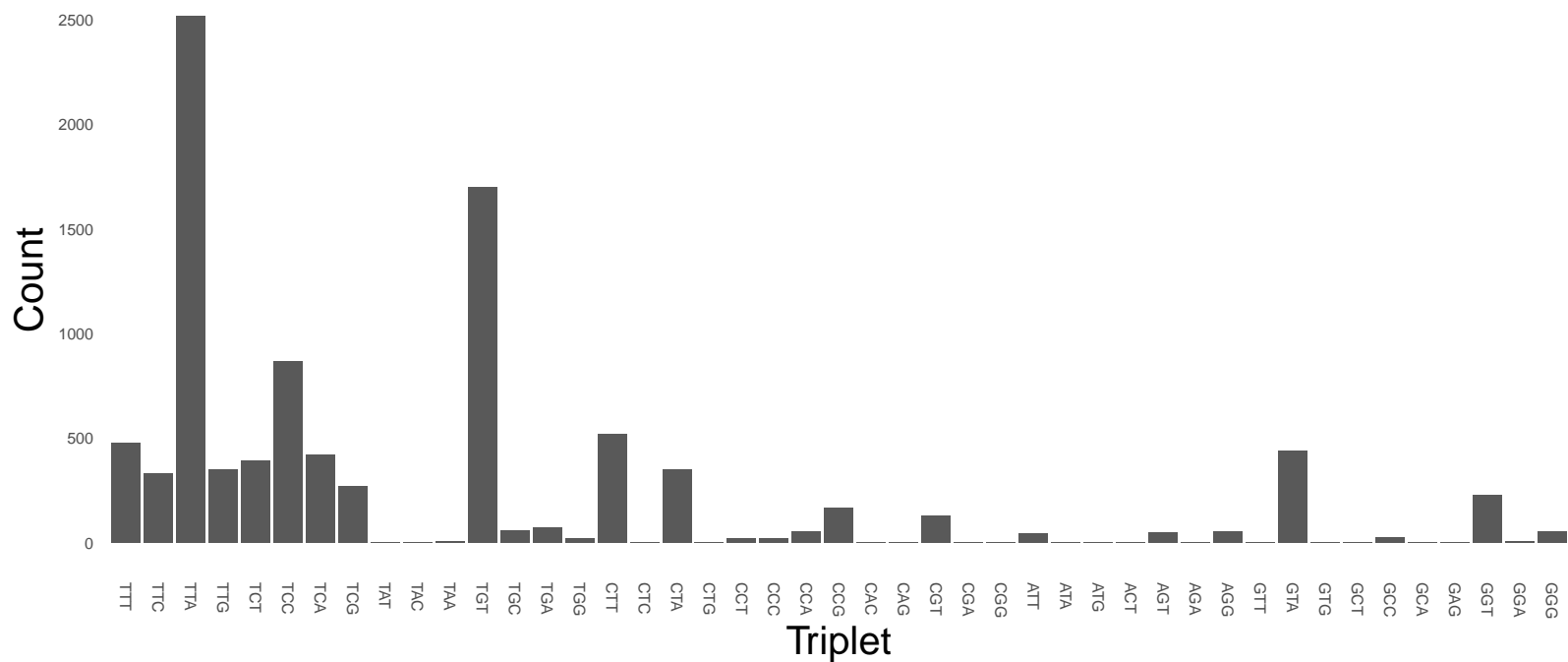
IGLV2-14*03- Final 3 nucleotides as a triplet



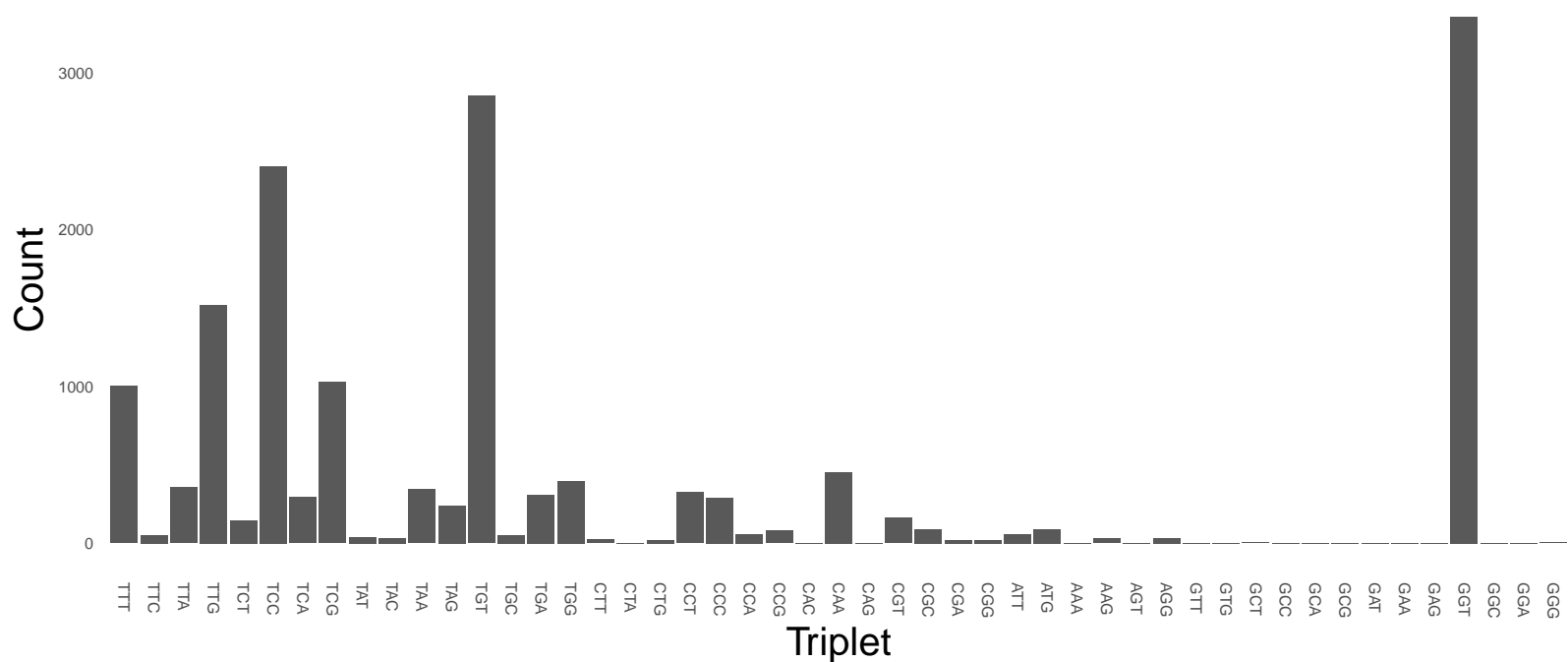
IGLV2-14*04- Final 3 nucleotides as a triplet



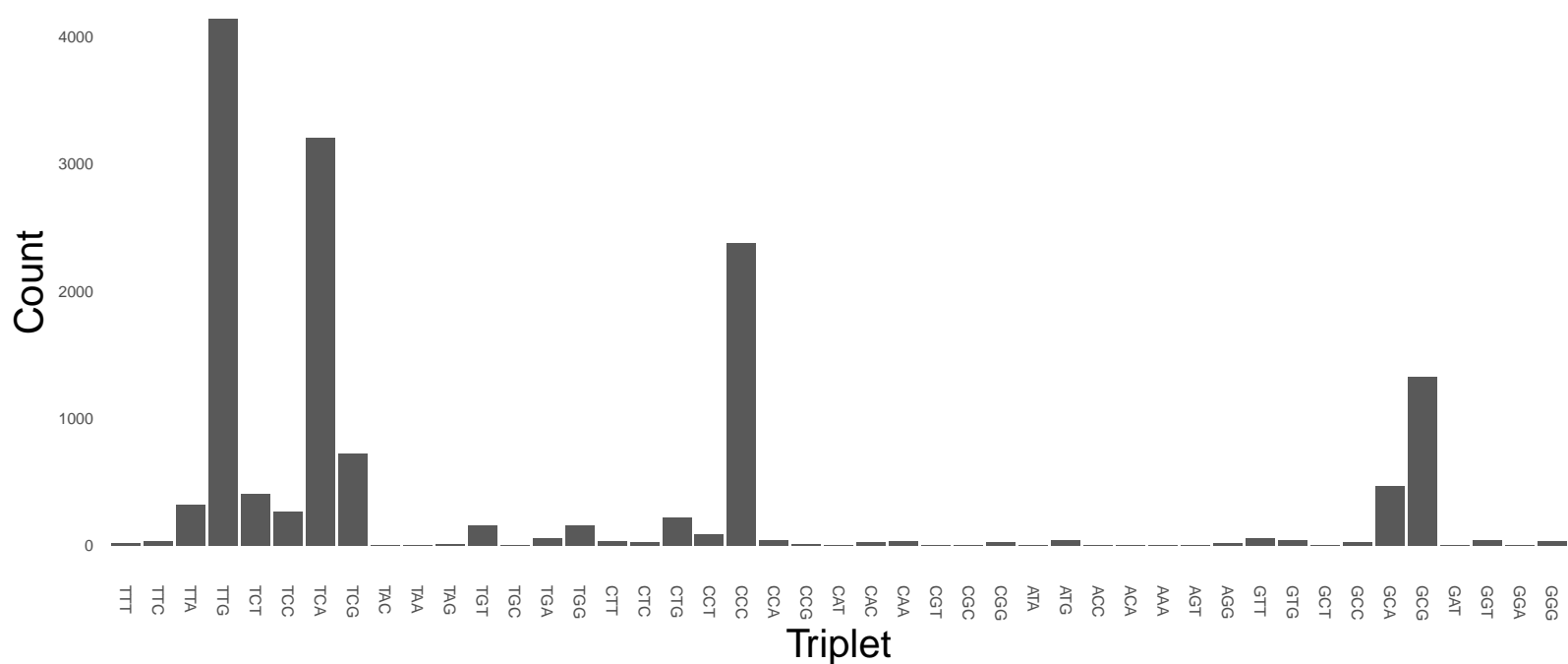
IGLV3-21*01_S5562- Final 3 nucleotides as a triplet



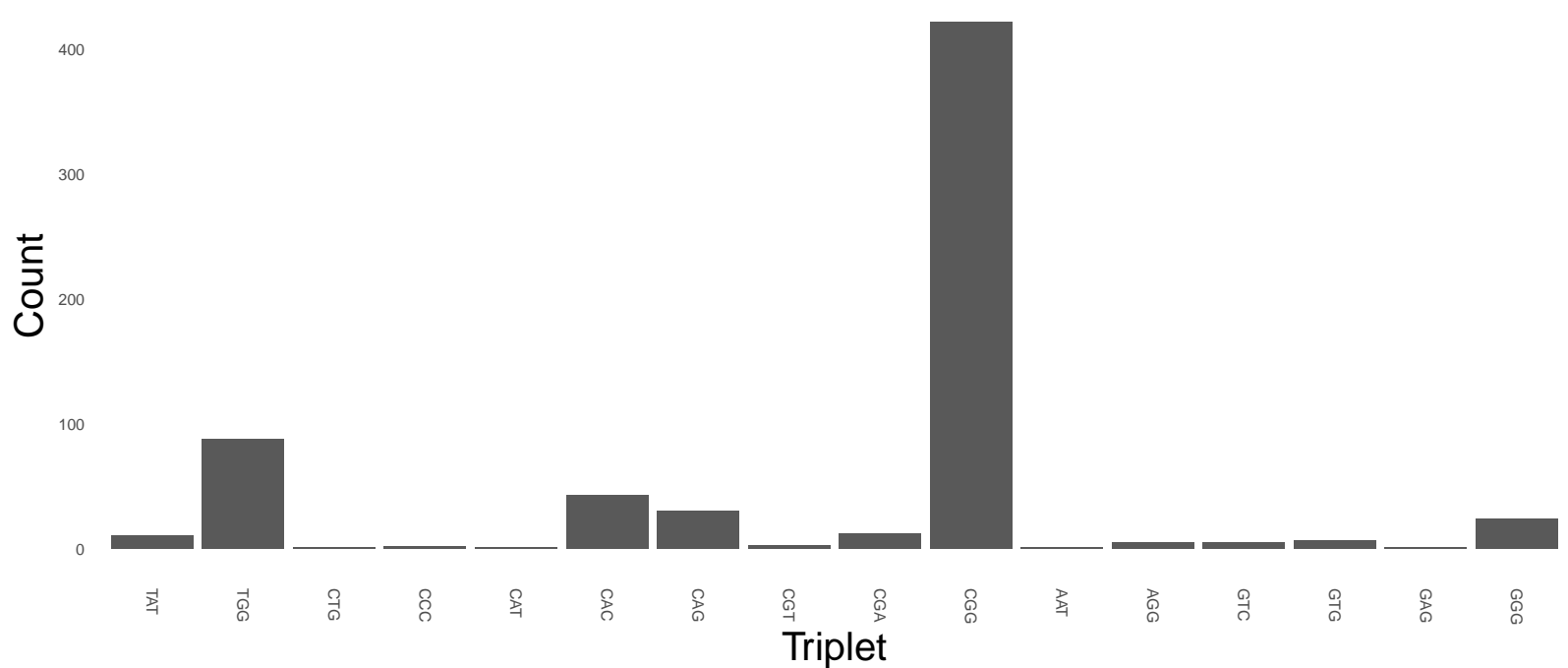
IGLV3-25*02_S7225- Final 3 nucleotides as a triplet



IGLV6-57*01_S1429- Final 3 nucleotides as a triplet

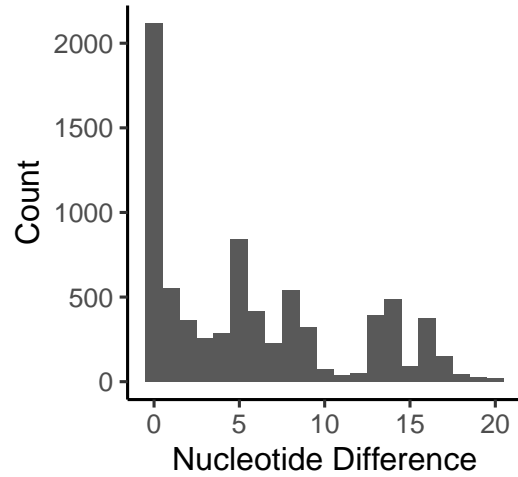


IGLV7-46*01_S3303- Final 3 nucleotides as a triplet



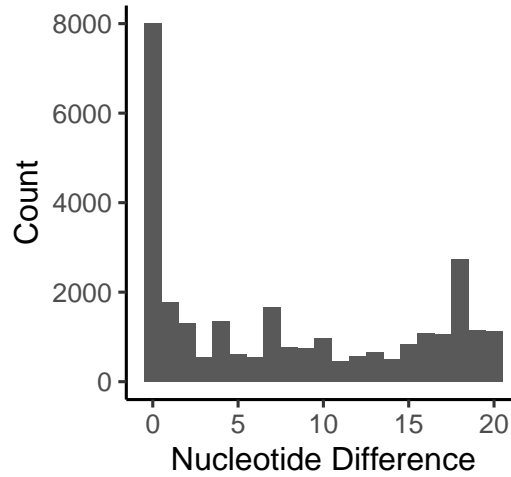
IGLV10-54*01

7826 sequences assigned
2117 (27.1%) exact matches, in which:
39 unique CDR3
3 unique J



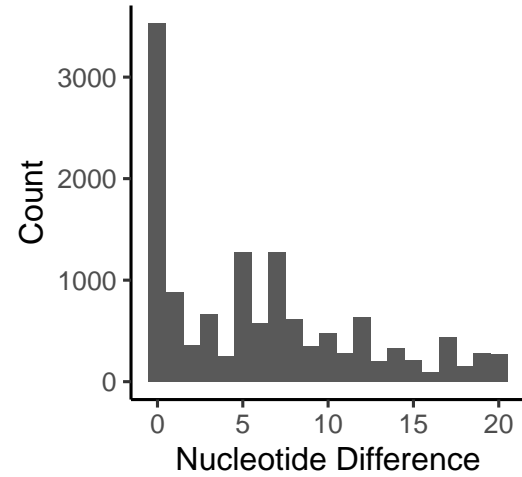
IGLV1-44*01

34394 sequences assigned
8005 (23.3%) exact matches, in which:
197 unique CDR3
5 unique J



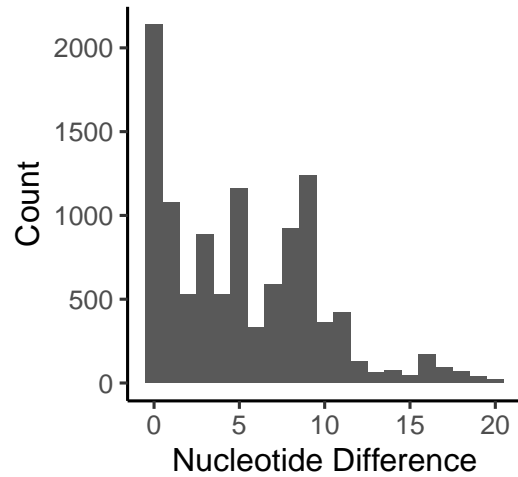
IGLV1-47*02

15396 sequences assigned
3529 (22.9%) exact matches, in which:
118 unique CDR3
4 unique J



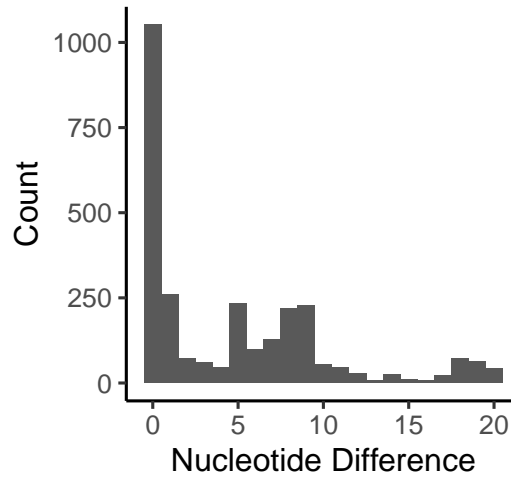
IGLV10-54*01_S4180

11279 sequences assigned
2138 (19%) exact matches, in which:
42 unique CDR3
3 unique J



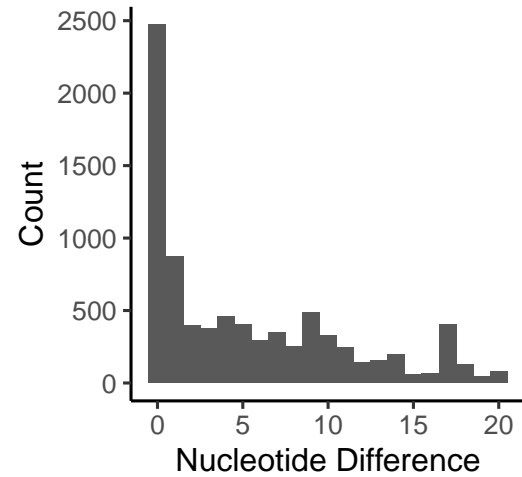
IGLV1-44*01_S0696

2994 sequences assigned
1052 (35.1%) exact matches, in which:
42 unique CDR3
5 unique J



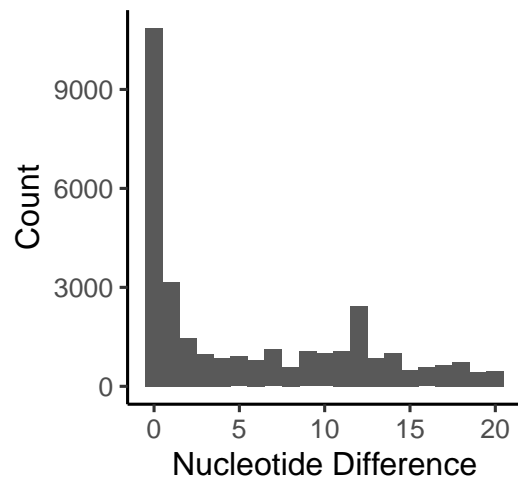
IGLV1-51*01

8833 sequences assigned
2472 (28%) exact matches, in which:
167 unique CDR3
5 unique J



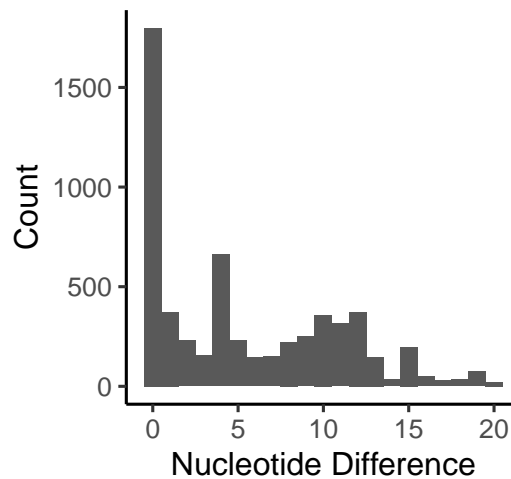
IGLV1-40*01

34784 sequences assigned
10861 (31.2%) exact matches, in which:
404 unique CDR3
4 unique J



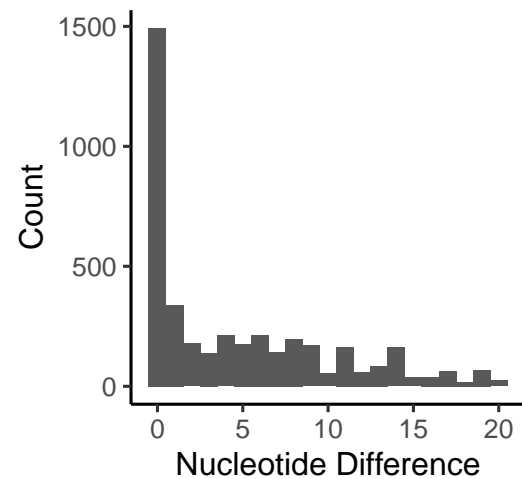
IGLV1-47*01

6867 sequences assigned
1798 (26.2%) exact matches, in which:
83 unique CDR3
5 unique J



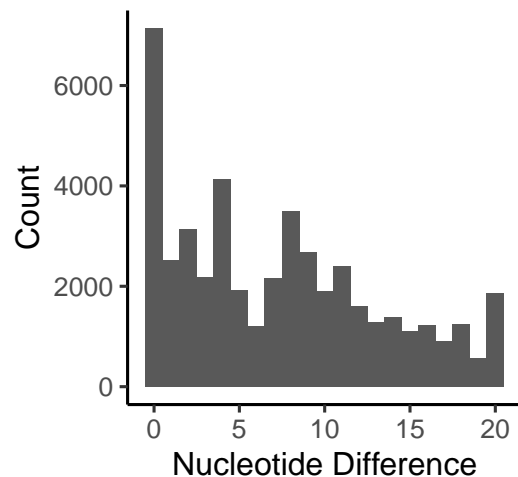
IGLV1-51*02

4643 sequences assigned
1493 (32.2%) exact matches, in which:
129 unique CDR3
5 unique J



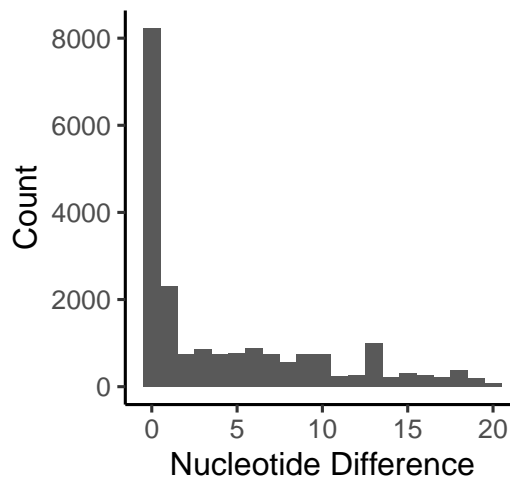
IGLV2-8*01

48325 sequences assigned
7138 (14.8%) exact matches, in which:
198 unique CDR3
4 unique J



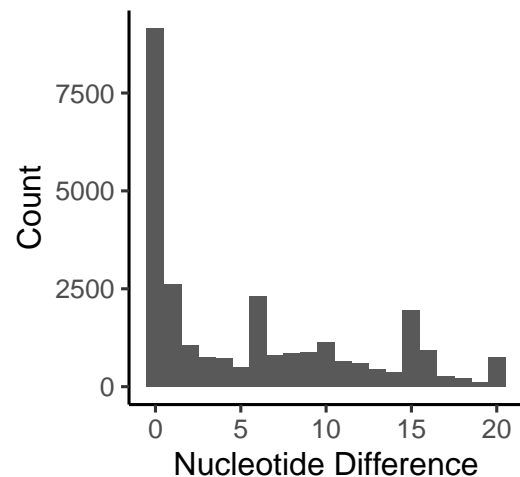
IGLV2-14*04

21083 sequences assigned
8224 (39%) exact matches, in which:
301 unique CDR3
4 unique J



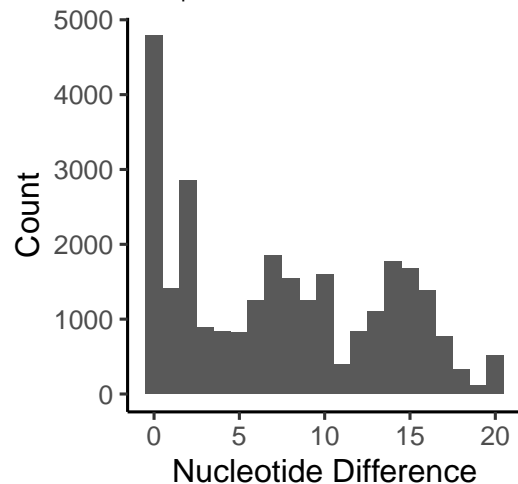
IGLV2-23*02

31055 sequences assigned
9150 (29.5%) exact matches, in which:
226 unique CDR3
3 unique J



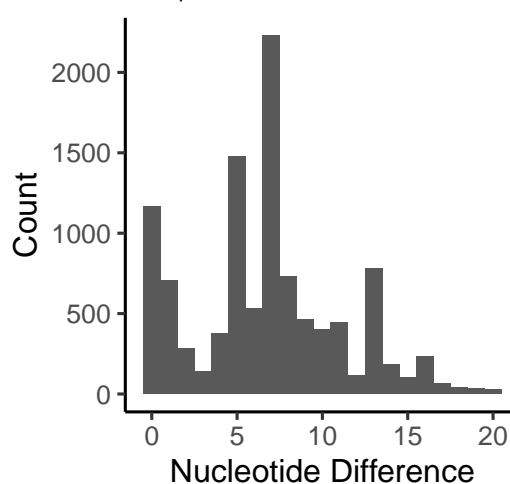
IGLV2-11*01

29703 sequences assigned
4787 (16.1%) exact matches, in which:
196 unique CDR3
4 unique J



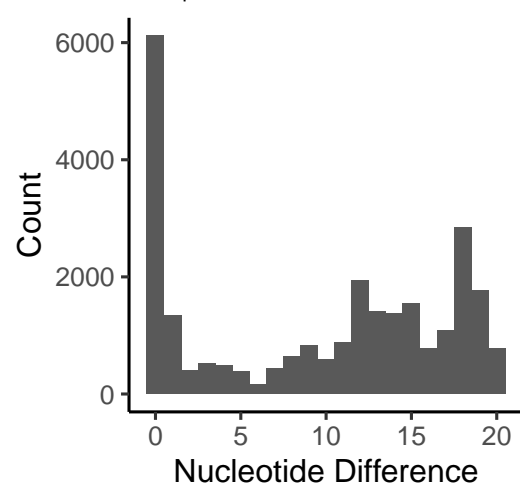
IGLV2-18*02

11751 sequences assigned
1165 (9.9%) exact matches, in which:
44 unique CDR3
5 unique J



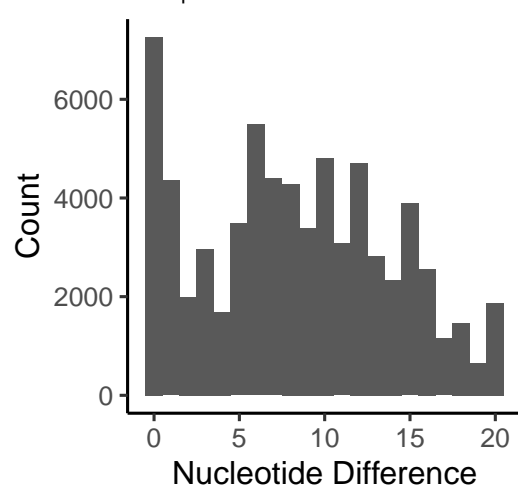
IGLV3-1*01

36458 sequences assigned
6118 (16.8%) exact matches, in which:
247 unique CDR3
3 unique J



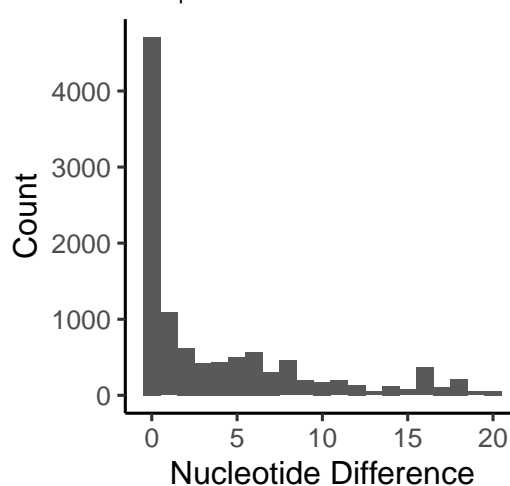
IGLV2-14*03

71826 sequences assigned
7262 (10.1%) exact matches, in which:
279 unique CDR3
4 unique J



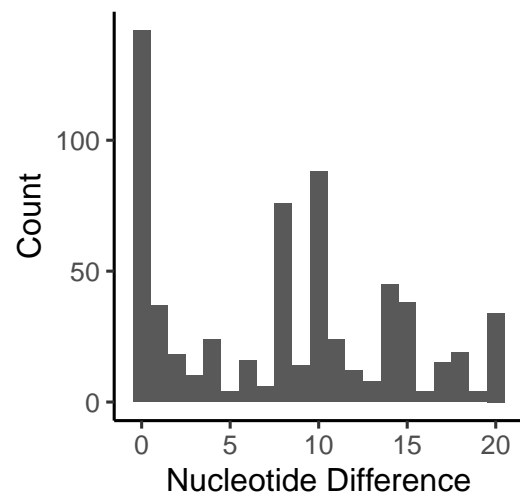
IGLV2-23*01

11861 sequences assigned
4709 (39.7%) exact matches, in which:
153 unique CDR3
4 unique J



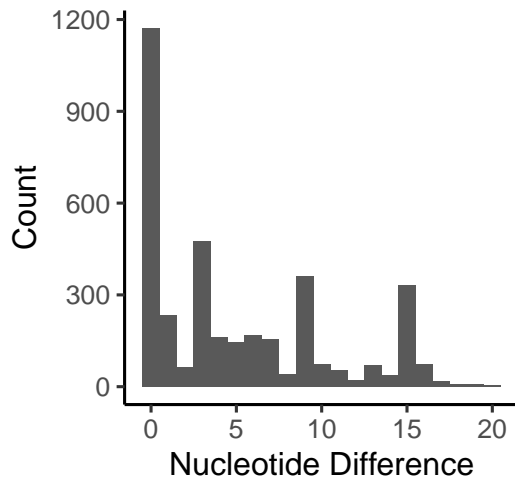
IGLV3-9*01

829 sequences assigned
142 (17.1%) exact matches, in which:
39 unique CDR3
3 unique J



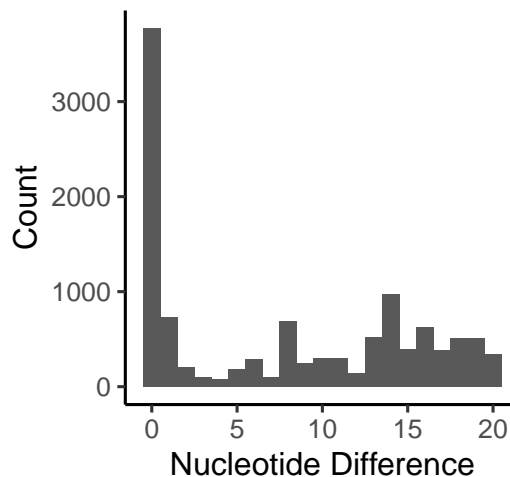
IGLV3-10*01

3968 sequences assigned
1171 (29.5%) exact matches, in which:
52 unique CDR3
4 unique J



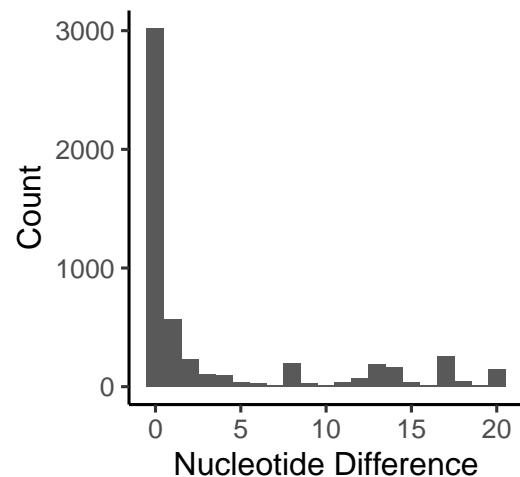
IGLV3-21*03

17759 sequences assigned
3770 (21.2%) exact matches, in which:
120 unique CDR3
3 unique J



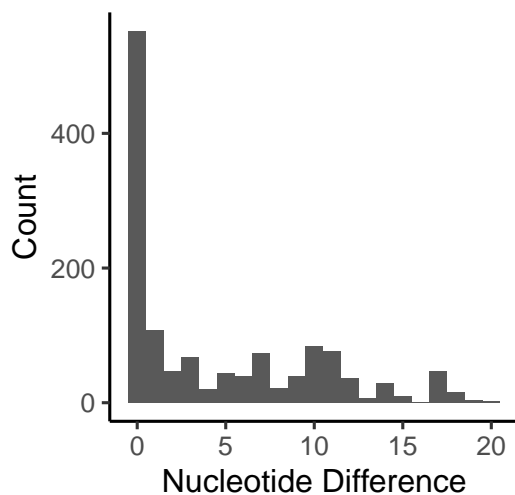
IGLV3-25*02

5866 sequences assigned
3019 (51.5%) exact matches, in which:
80 unique CDR3
5 unique J



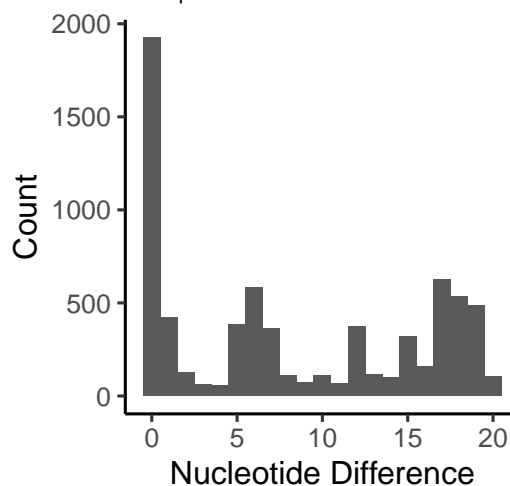
IGLV3-16*01

1358 sequences assigned
552 (40.6%) exact matches, in which:
30 unique CDR3
4 unique J



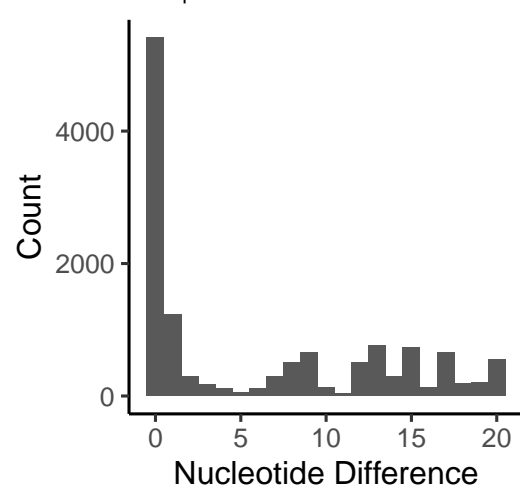
IGLV3-21*01_S5562

9680 sequences assigned
1925 (19.9%) exact matches, in which:
67 unique CDR3
5 unique J



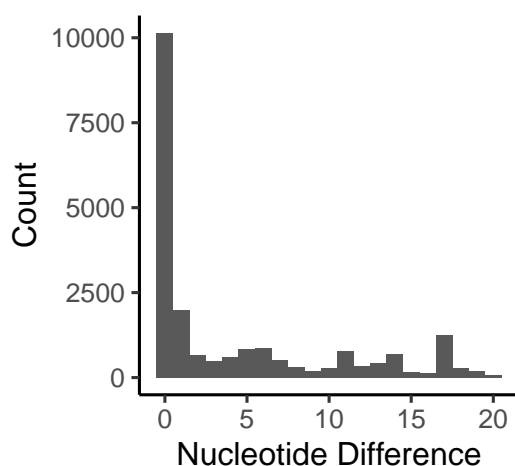
IGLV3-25*02_S7225

16227 sequences assigned
5410 (33.3%) exact matches, in which:
139 unique CDR3
4 unique J



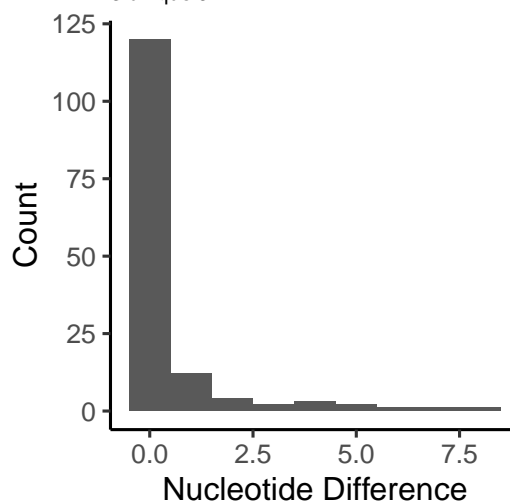
IGLV3-19*01

22249 sequences assigned
10146 (45.6%) exact matches, in which:
364 unique CDR3
5 unique J



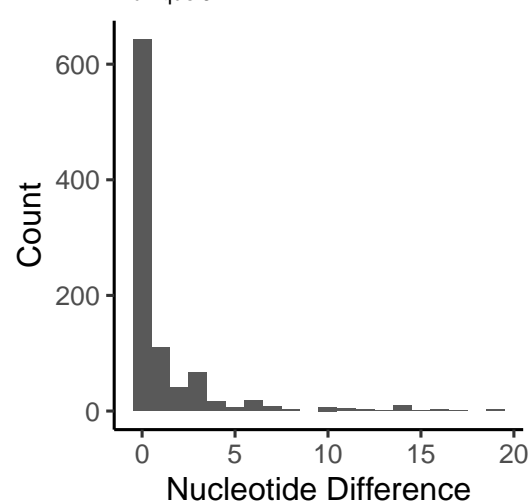
IGLV3-22*01

146 sequences assigned
120 (82.2%) exact matches, in which:
9 unique CDR3
3 unique J



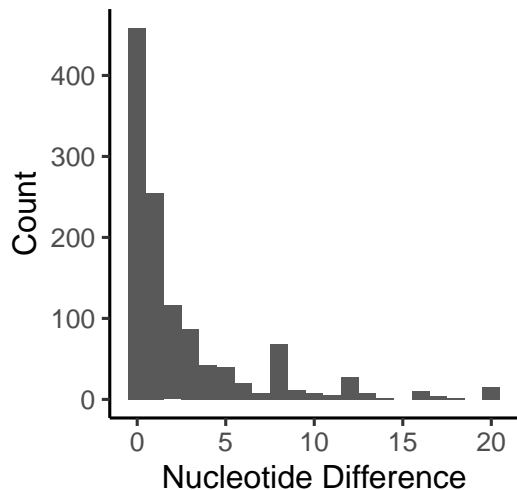
IGLV3-27*01

942 sequences assigned
643 (68.3%) exact matches, in which:
38 unique CDR3
4 unique J



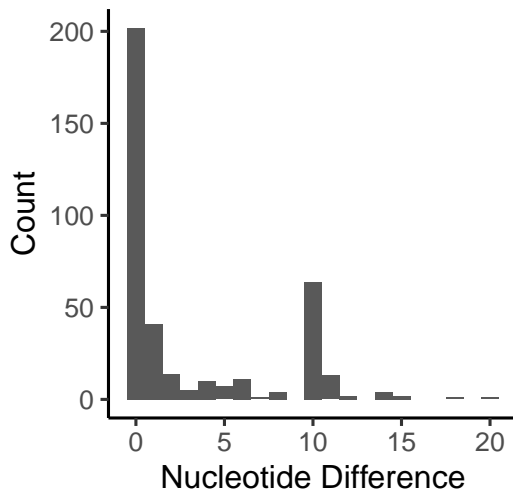
IGLV4-60*02

1284 sequences assigned
459 (35.7%) exact matches, in which:
35 unique CDR3
4 unique J



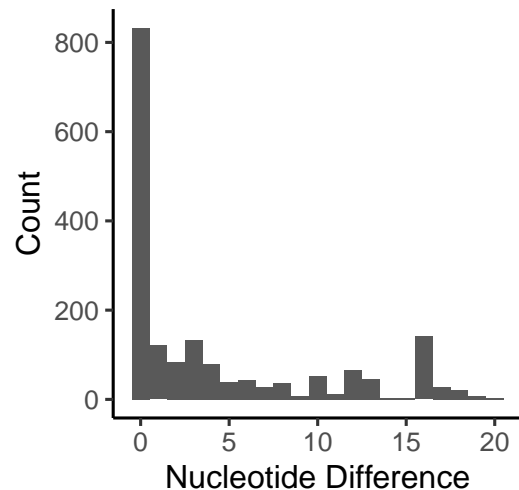
IGLV5-37*01

393 sequences assigned
202 (51.4%) exact matches, in which:
46 unique CDR3
3 unique J



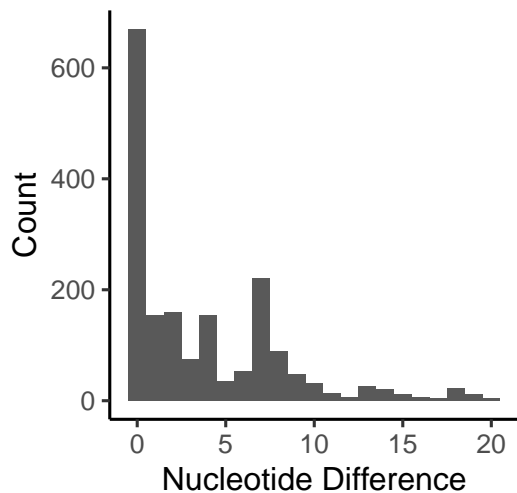
IGLV5-45*03

2091 sequences assigned
833 (39.8%) exact matches, in which:
28 unique CDR3
3 unique J



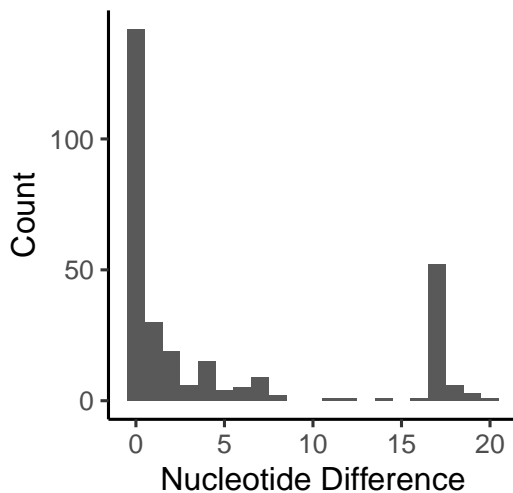
IGLV4-60*03

1943 sequences assigned
670 (34.5%) exact matches, in which:
40 unique CDR3
4 unique J



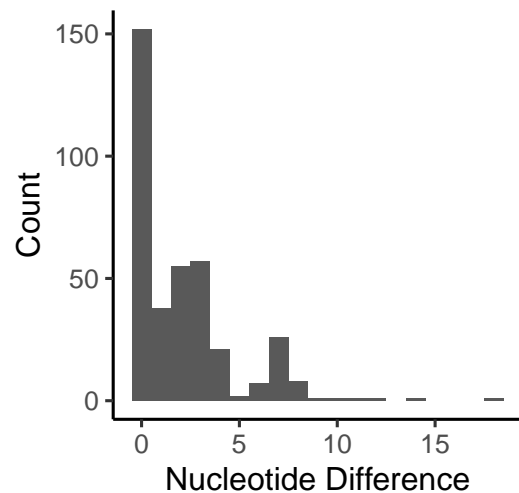
IGLV5-39*01

343 sequences assigned
142 (41.4%) exact matches, in which:
11 unique CDR3
4 unique J



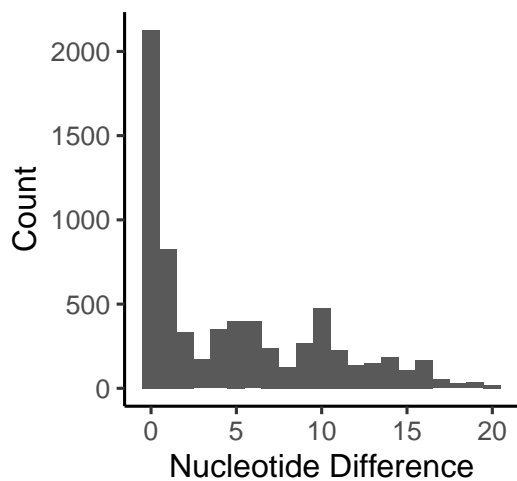
IGLV5-52*01

373 sequences assigned
152 (40.8%) exact matches, in which:
12 unique CDR3
4 unique J



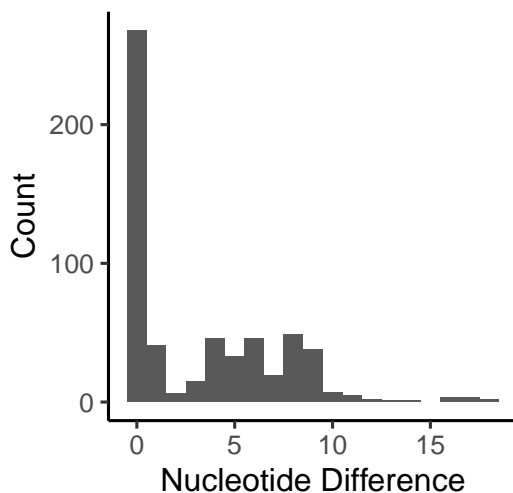
IGLV4-69*01

7293 sequences assigned
2127 (29.2%) exact matches, in which:
113 unique CDR3
4 unique J



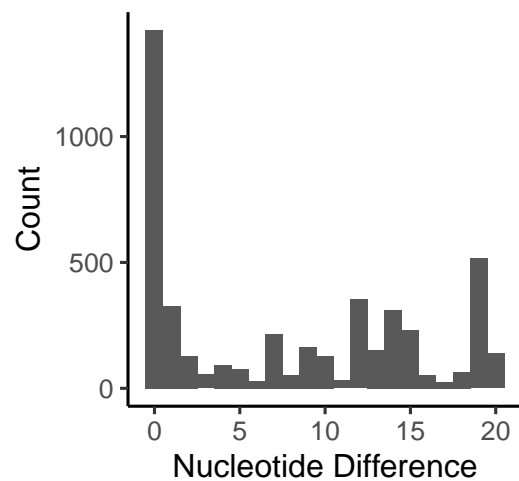
IGLV5-45*01

600 sequences assigned
268 (44.7%) exact matches, in which:
15 unique CDR3
3 unique J



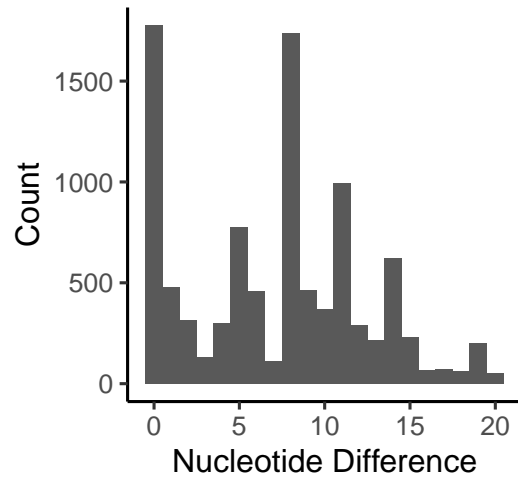
IGLV6-57*01

9307 sequences assigned
1423 (15.3%) exact matches, in which:
58 unique CDR3
5 unique J



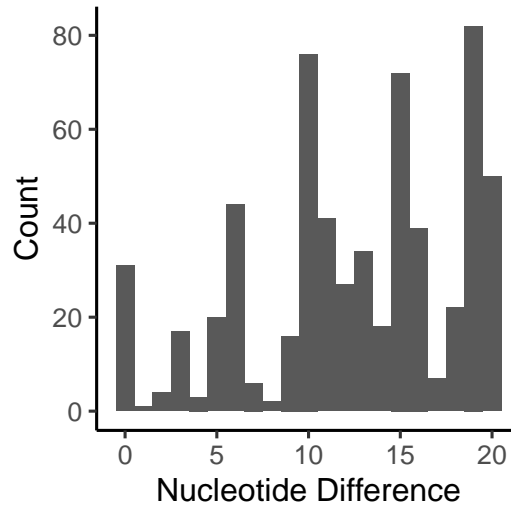
IGLV6-57*01_S1429

14472 sequences assigned
1776 (12.3%) exact matches, in which:
69 unique CDR3
4 unique J



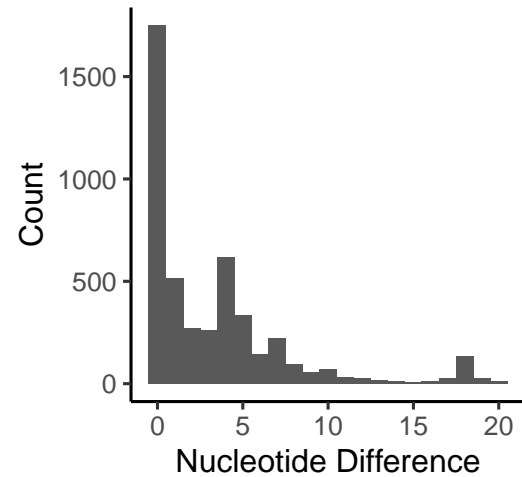
IGLV7-46*01_S3303

656 sequences assigned
31 (4.7%) exact matches, in which:
10 unique CDR3
3 unique J



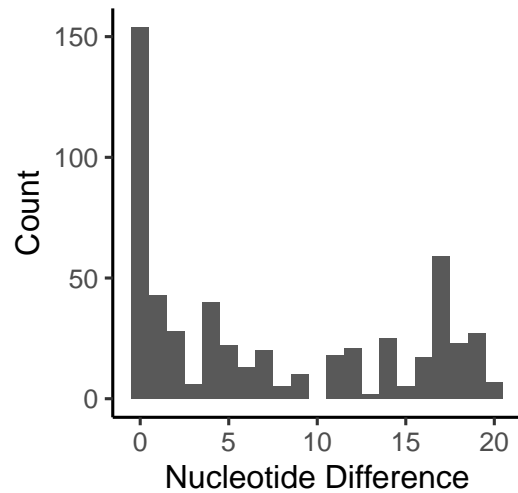
IGLV9-49*01

4820 sequences assigned
1750 (36.3%) exact matches, in which:
49 unique CDR3
3 unique J



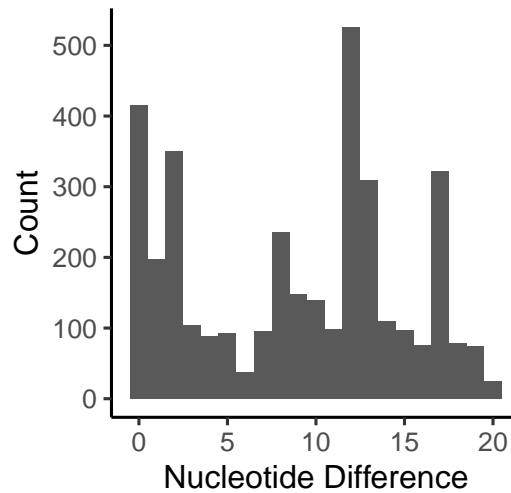
IGLV7-43*01

600 sequences assigned
154 (25.7%) exact matches, in which:
42 unique CDR3
3 unique J



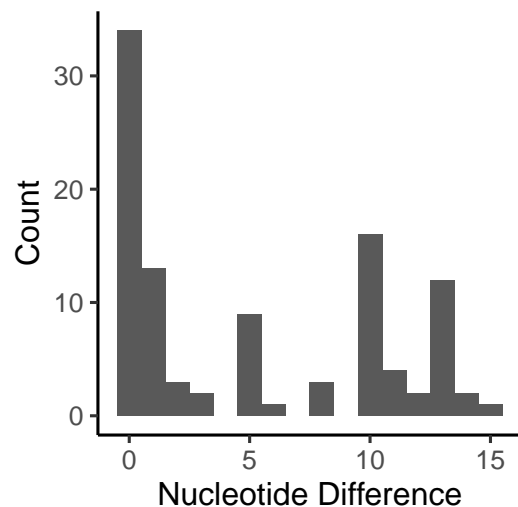
IGLV8-61*01

3725 sequences assigned
415 (11.1%) exact matches, in which:
20 unique CDR3
5 unique J



IGLV7-46*02

102 sequences assigned
34 (33.3%) exact matches, in which:
9 unique CDR3
2 unique J



IGLV8-61*02

265 sequences assigned
175 (66%) exact matches, in which:
13 unique CDR3
2 unique J

