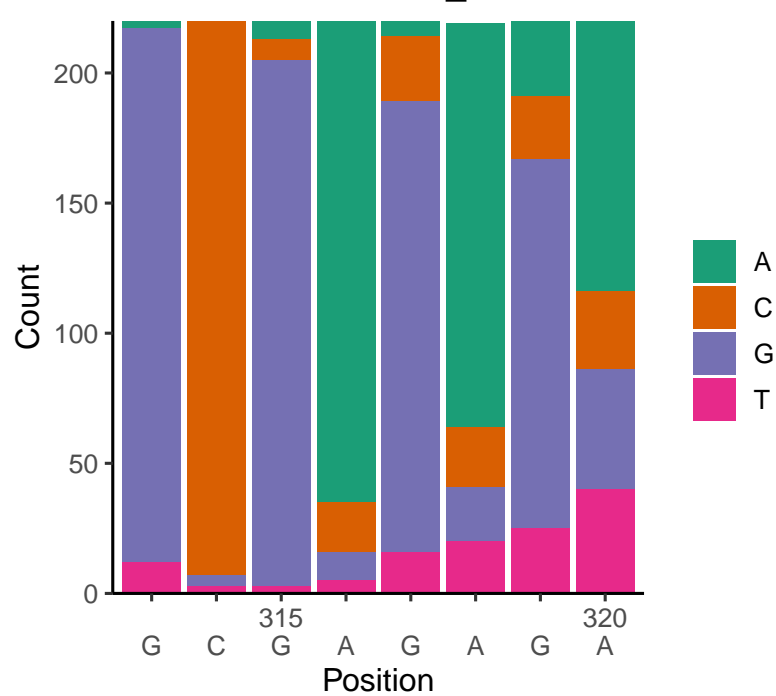
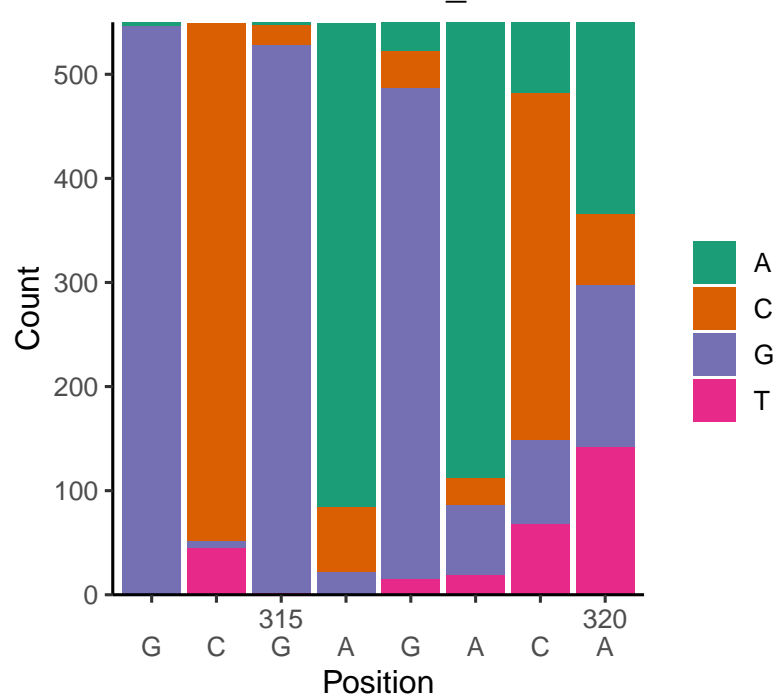


Gene IGHV1-69*08_C191T



Gene IGHV5-51*01_C45G



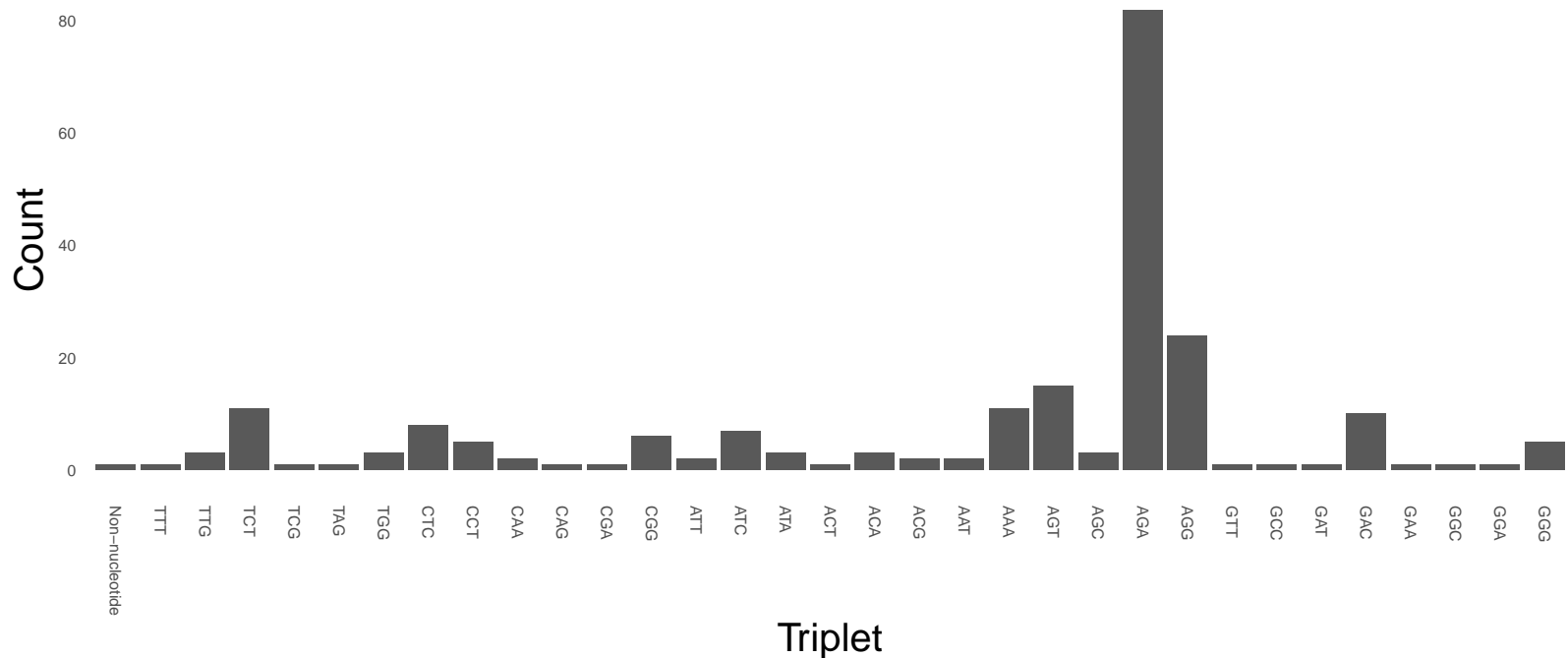
Gene IGHV1-69*08_C191T



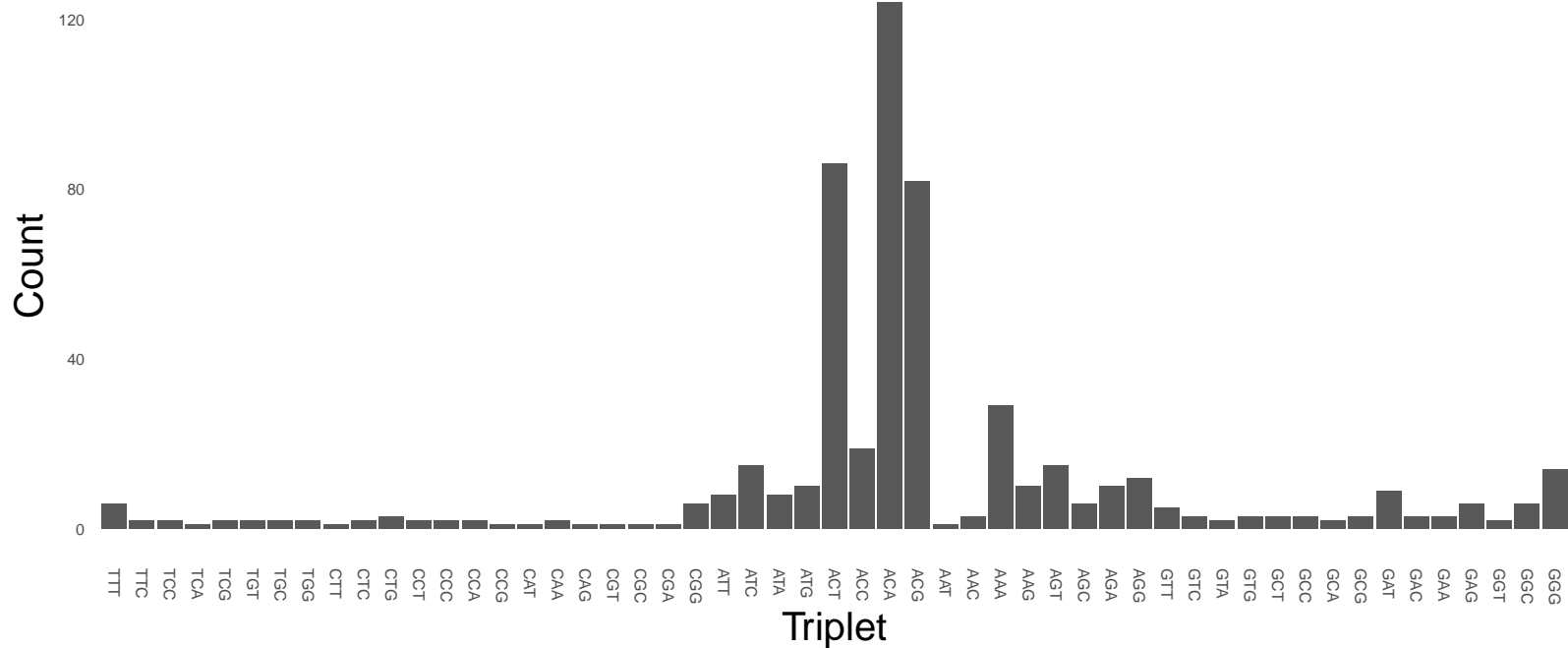
Gene IGHV5-51*01_C45G



IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

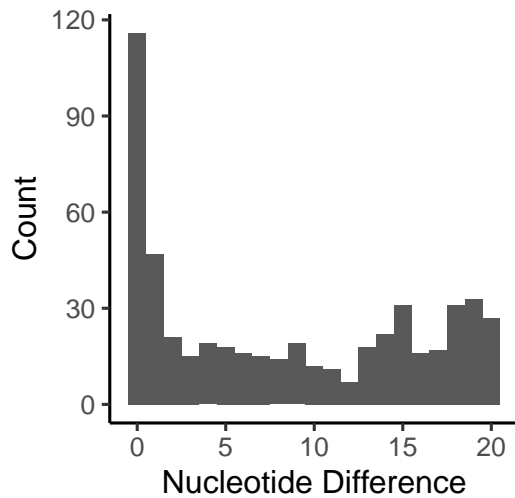


IGHV5-51*01_C45G- Final 3 nucleotides as a triplet



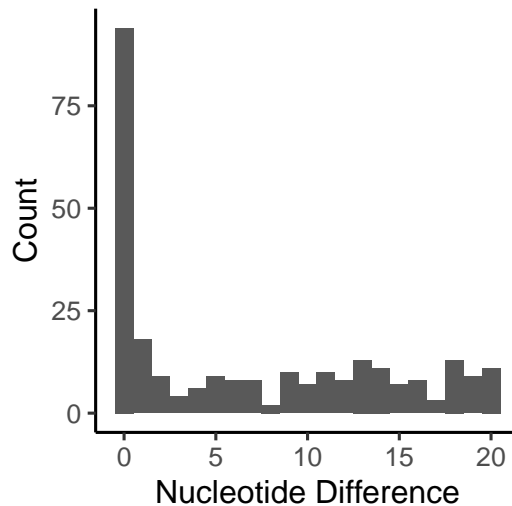
IGHV1-2*02

904 sequences assigned
116 (12.8%) exact matches, in which:
116 unique CDR3
7 unique J



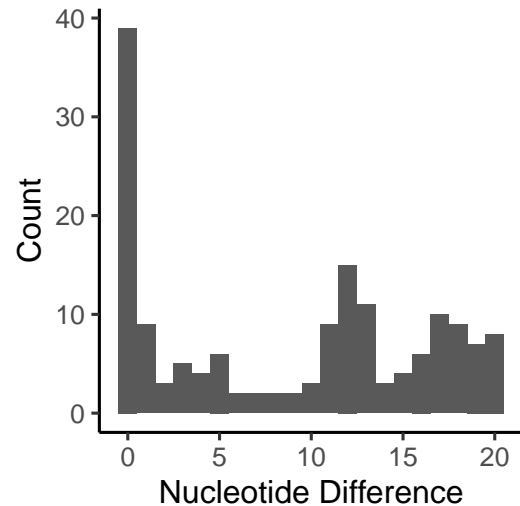
IGHV1-18*01

569 sequences assigned
94 (16.5%) exact matches, in which:
94 unique CDR3
6 unique J



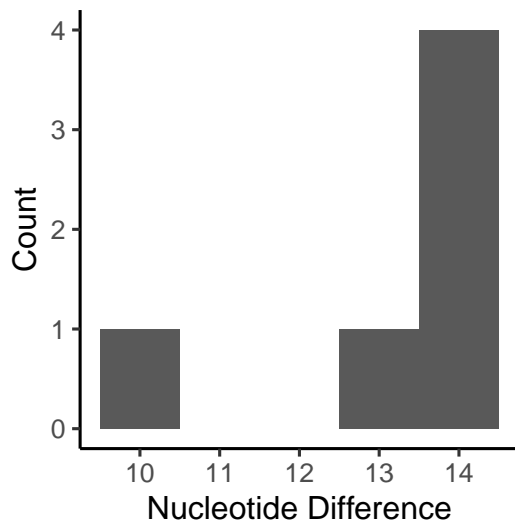
IGHV1-46*03

325 sequences assigned
39 (12%) exact matches, in which:
38 unique CDR3
6 unique J



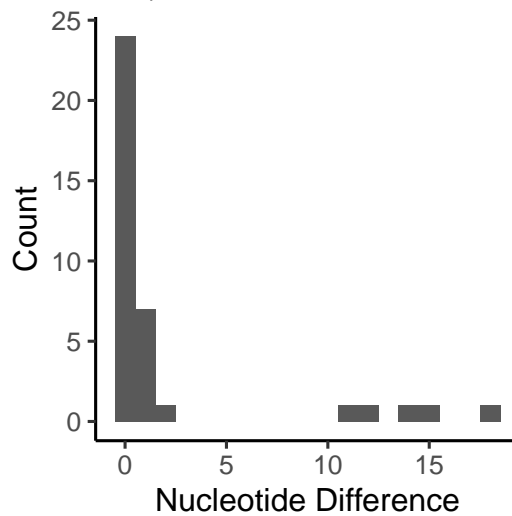
IGHV1-3*02

9 sequences assigned
No exact matches.



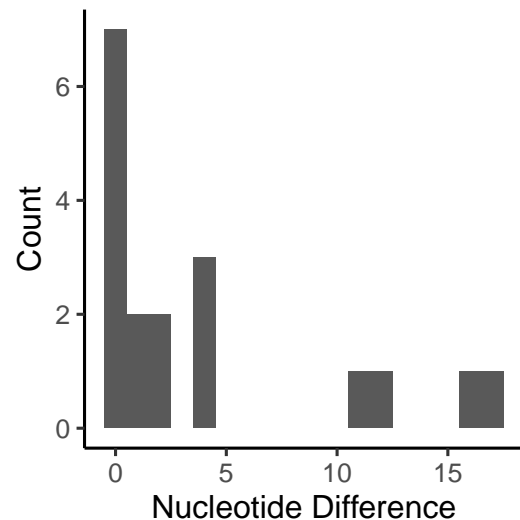
IGHV1-24*01

64 sequences assigned
24 (37.5%) exact matches, in which:
24 unique CDR3
5 unique J



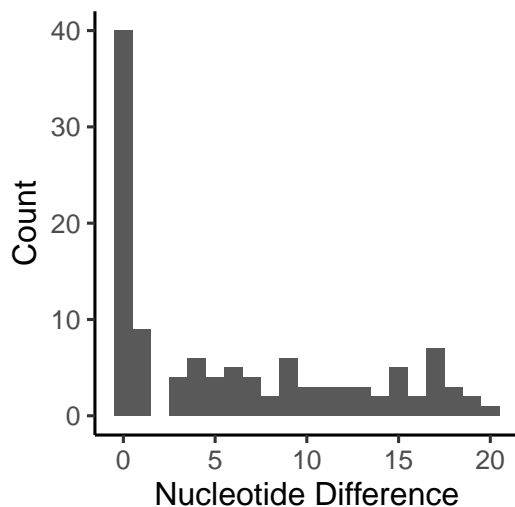
IGHV1-58*02

33 sequences assigned
7 (21.2%) exact matches, in which:
7 unique CDR3
2 unique J



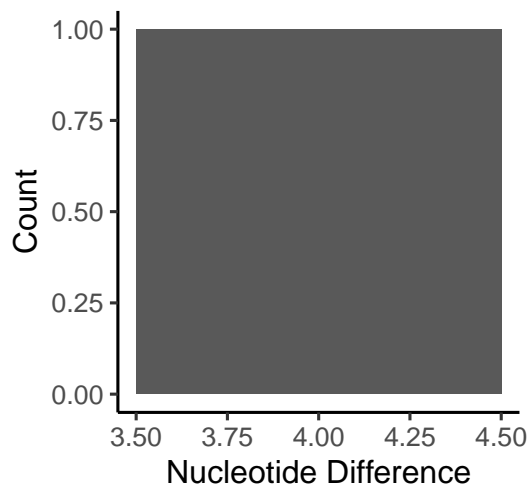
IGHV1-8*01

178 sequences assigned
40 (22.5%) exact matches, in which:
40 unique CDR3
7 unique J



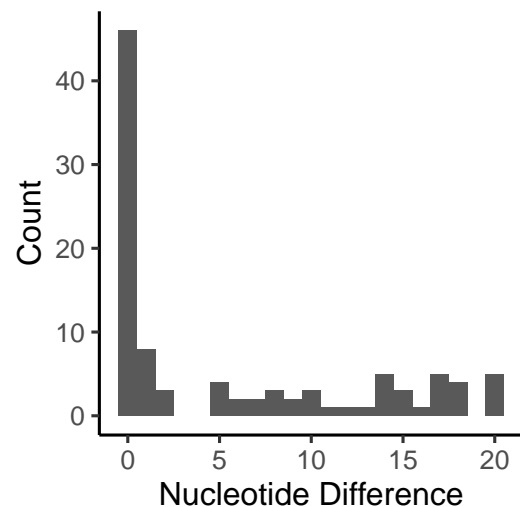
IGHV1-45*02

13 sequences assigned
No exact matches.



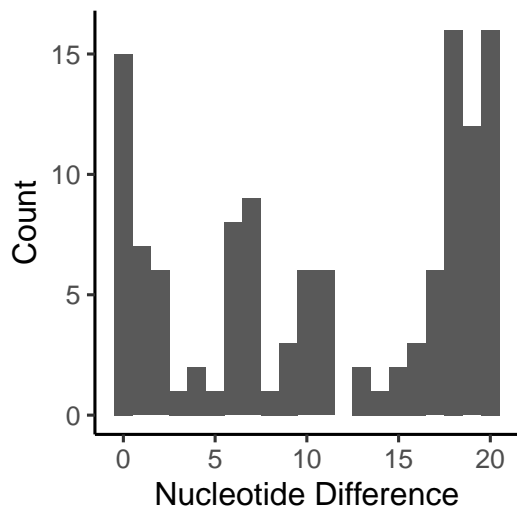
IGHV1-69*08_C191T

220 sequences assigned
46 (20.9%) exact matches, in which:
46 unique CDR3
6 unique J



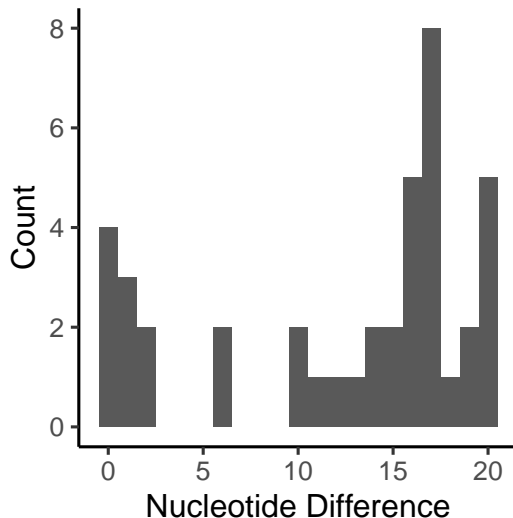
IGHV2-5*01

204 sequences assigned
15 (7.4%) exact matches, in which:
15 unique CDR3
4 unique J



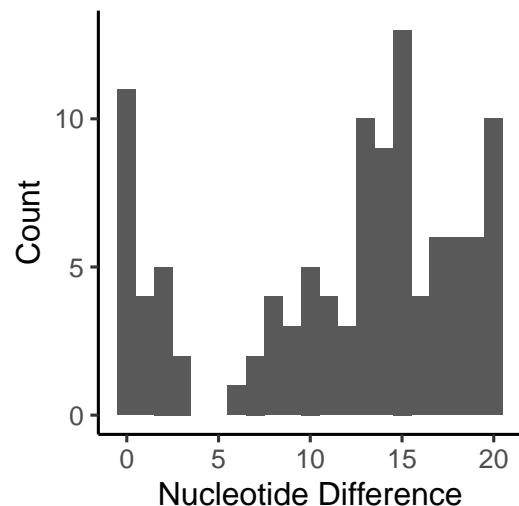
IGHV2-70*01

70 sequences assigned
4 (5.7%) exact matches, in which:
4 unique CDR3
3 unique J



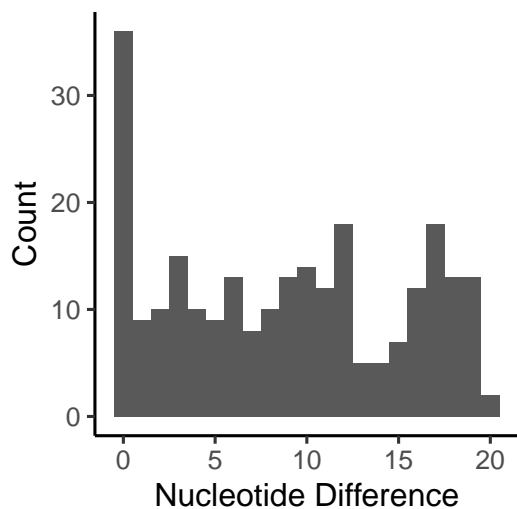
IGHV3-7*04

184 sequences assigned
11 (6%) exact matches, in which:
11 unique CDR3
3 unique J



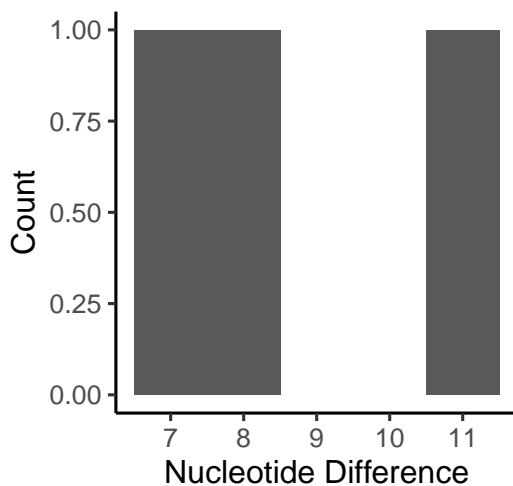
IGHV2-5*02

469 sequences assigned
36 (7.7%) exact matches, in which:
36 unique CDR3
5 unique J



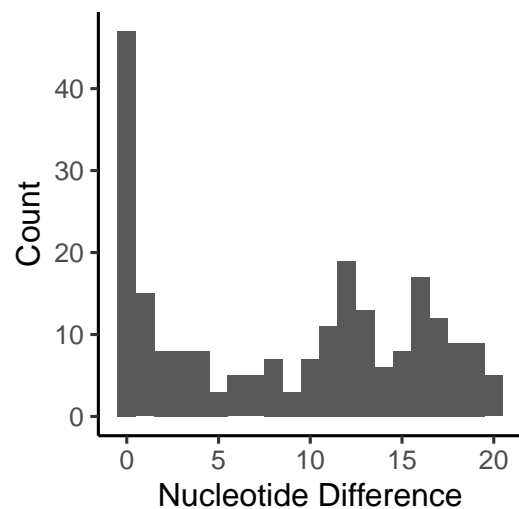
IGHV2-70D*04

3 sequences assigned
No exact matches.



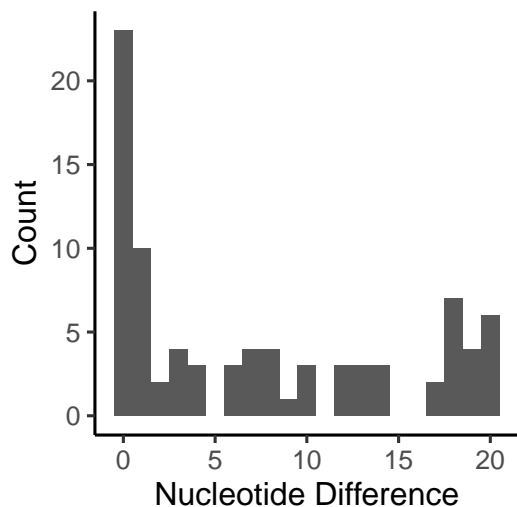
IGHV3-9*01

570 sequences assigned
47 (8.2%) exact matches, in which:
47 unique CDR3
5 unique J



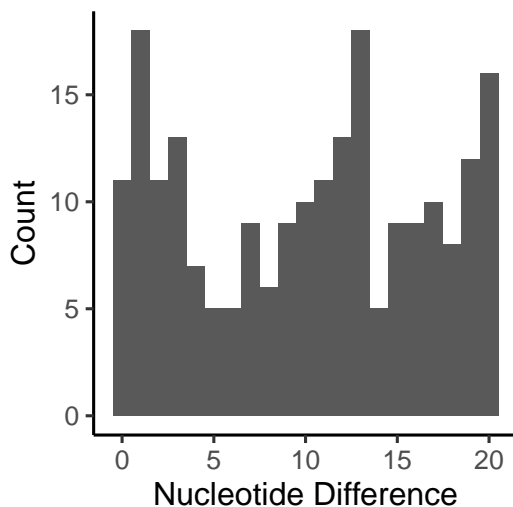
IGHV2-26*01

128 sequences assigned
23 (18%) exact matches, in which:
23 unique CDR3
6 unique J



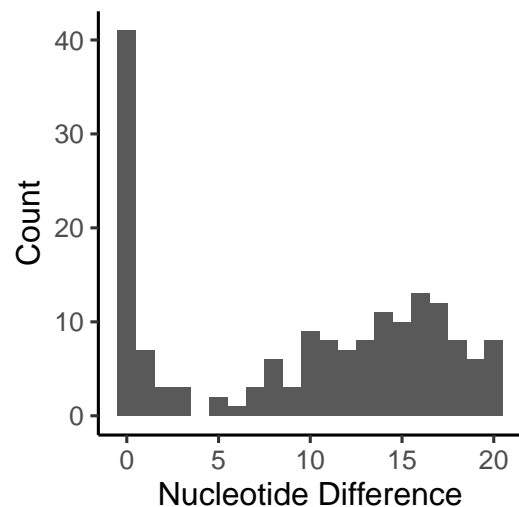
IGHV3-7*01

453 sequences assigned
11 (2.4%) exact matches, in which:
11 unique CDR3
4 unique J



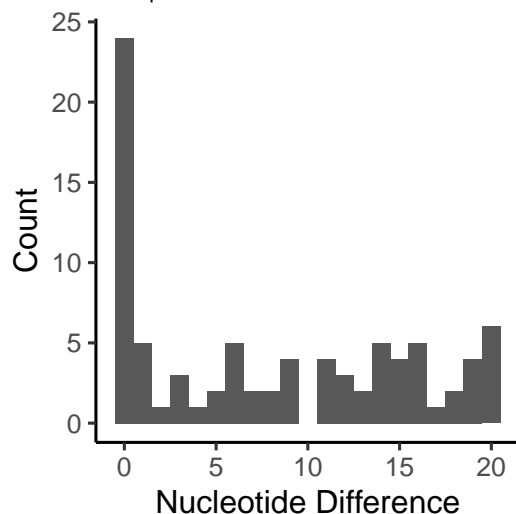
IGHV3-11*01

430 sequences assigned
41 (9.5%) exact matches, in which:
41 unique CDR3
5 unique J



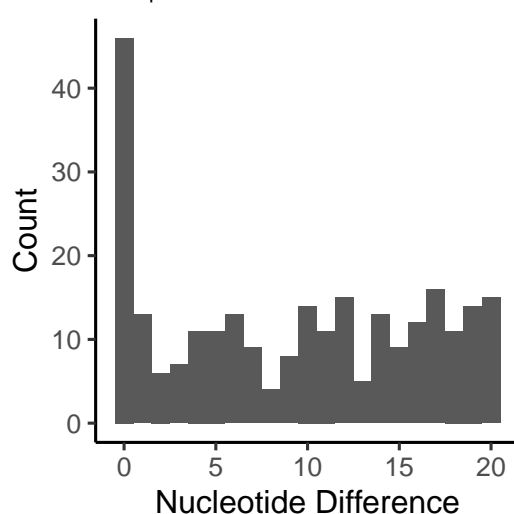
IGHV3-11*06

179 sequences assigned
24 (13.4%) exact matches, in which:
24 unique CDR3
4 unique J



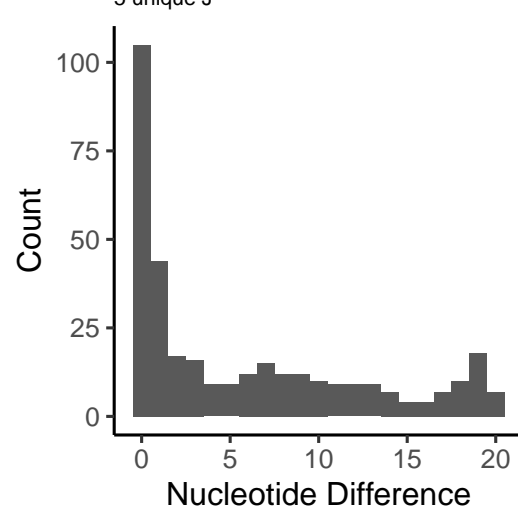
IGHV3-15*01

562 sequences assigned
46 (8.2%) exact matches, in which:
46 unique CDR3
6 unique J



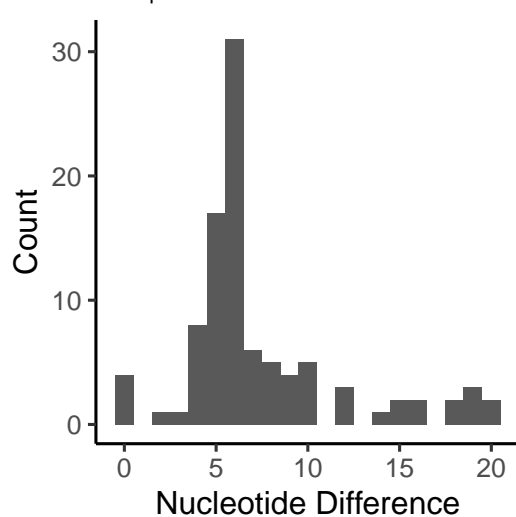
IGHV3-21*01

474 sequences assigned
105 (22.2%) exact matches, in which:
105 unique CDR3
5 unique J



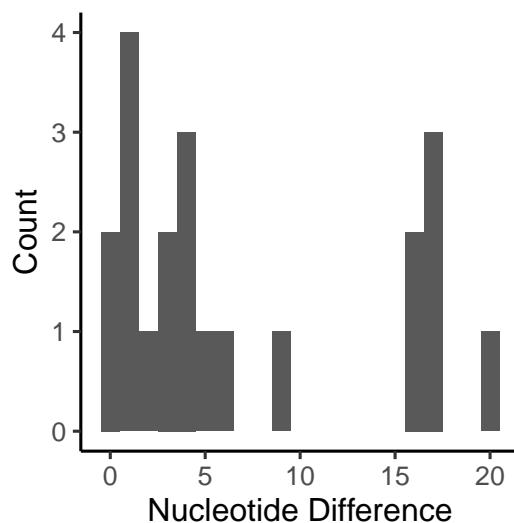
IGHV3-13*01

108 sequences assigned
4 (3.7%) exact matches, in which:
4 unique CDR3
3 unique J



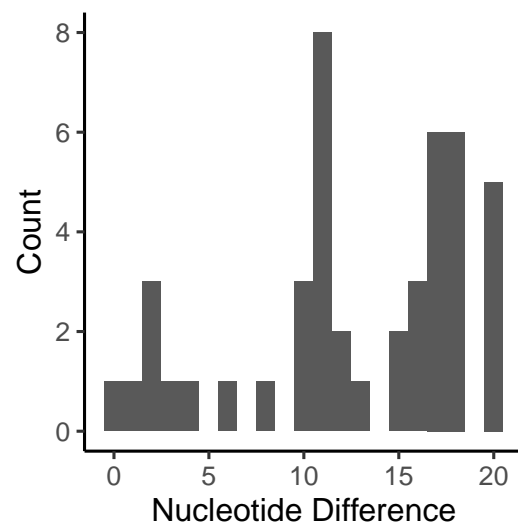
IGHV3-20*01

23 sequences assigned
2 (8.7%) exact matches, in which:
2 unique CDR3
2 unique J



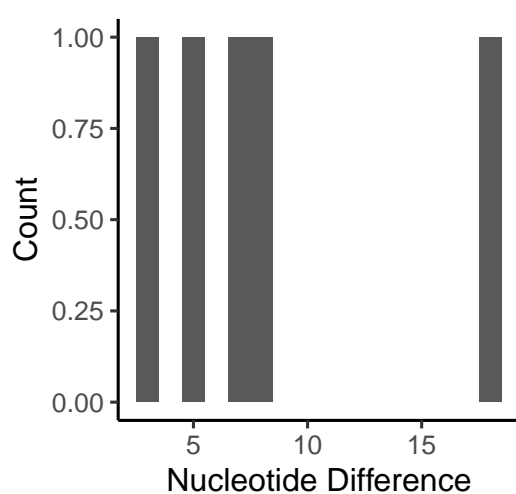
IGHV3-21*02

218 sequences assigned
1 (0.5%) exact matches, in which:
1 unique CDR3
1 unique J



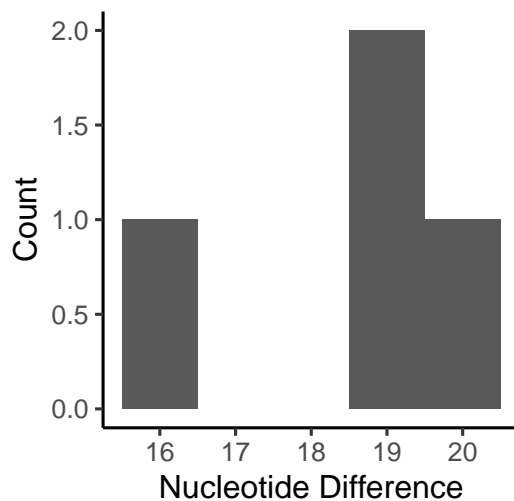
IGHV3-13*05

6 sequences assigned
No exact matches.



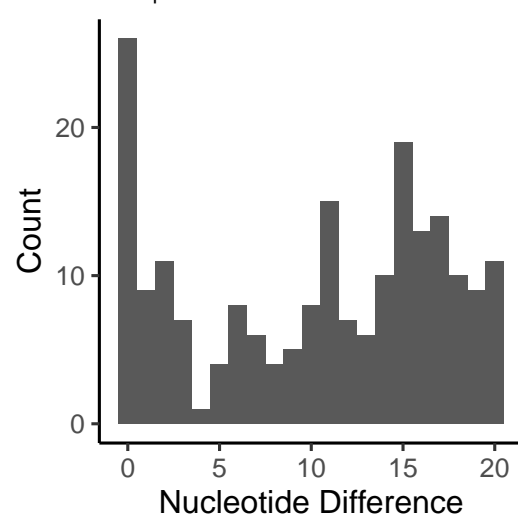
IGHV3-20*04

78 sequences assigned
No exact matches.



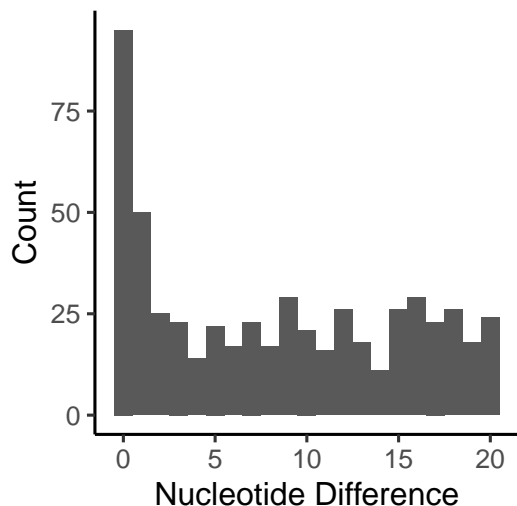
IGHV3-30-3*01

511 sequences assigned
26 (5.1%) exact matches, in which:
26 unique CDR3
5 unique J



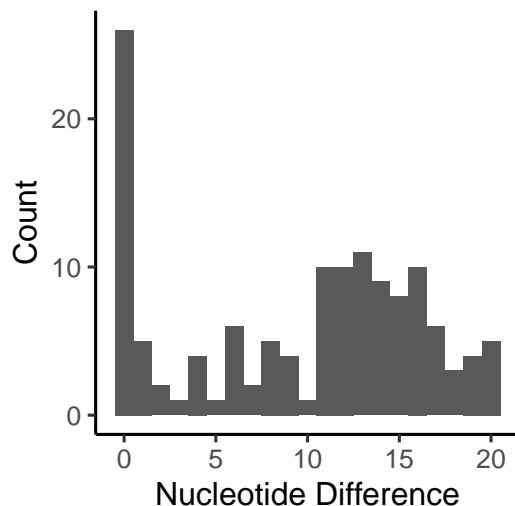
IGHV3-33*01

1805 sequences assigned
95 (5.3%) exact matches, in which:
94 unique CDR3
7 unique J



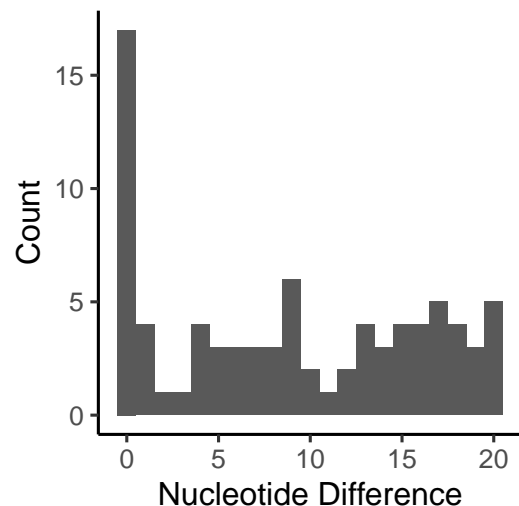
IGHV3-49*03

213 sequences assigned
26 (12.2%) exact matches, in which:
26 unique CDR3
6 unique J



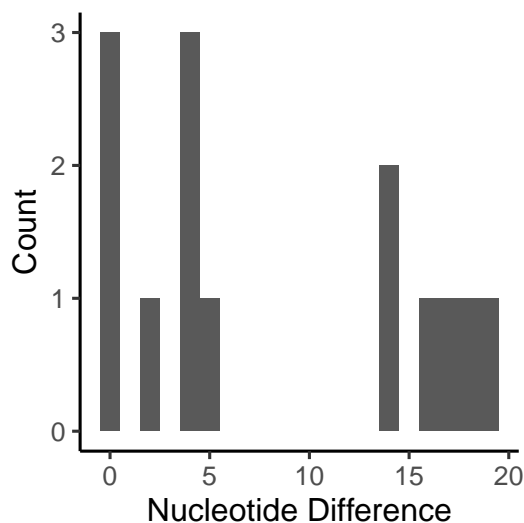
IGHV3-66*02

231 sequences assigned
17 (7.4%) exact matches, in which:
17 unique CDR3
4 unique J



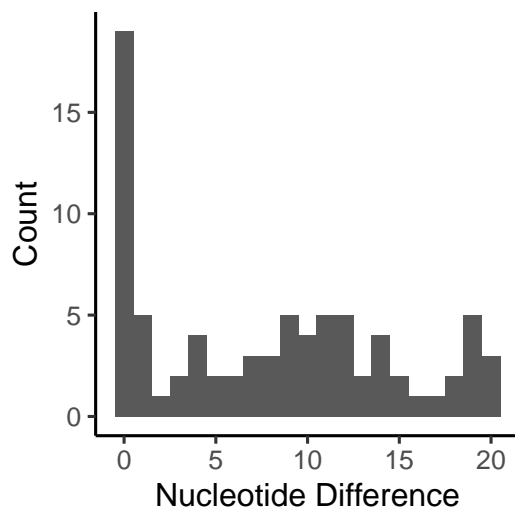
IGHV3-43*01

18 sequences assigned
3 (16.7%) exact matches, in which:
3 unique CDR3
2 unique J



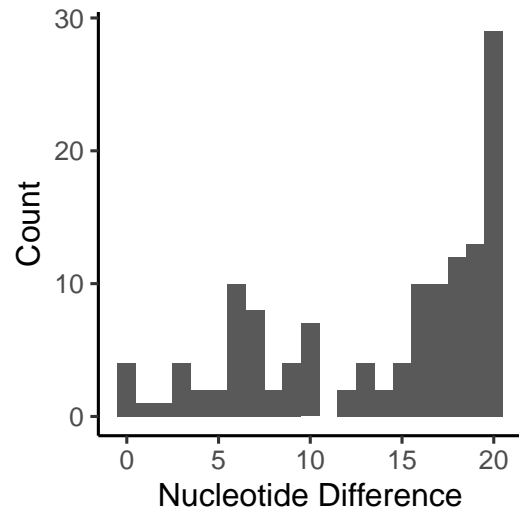
IGHV3-53*02

148 sequences assigned
19 (12.8%) exact matches, in which:
19 unique CDR3
5 unique J



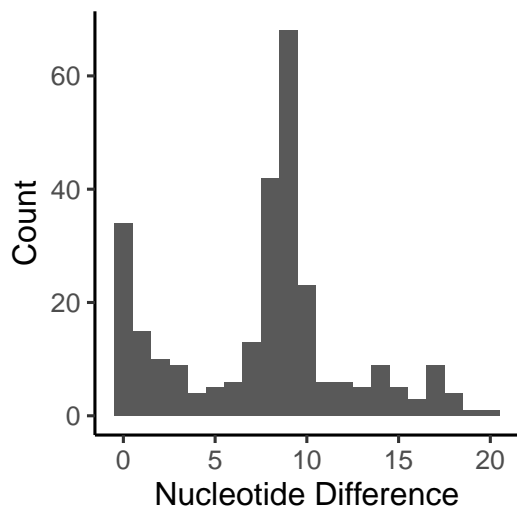
IGHV3-72*01

195 sequences assigned
4 (2.1%) exact matches, in which:
4 unique CDR3
3 unique J



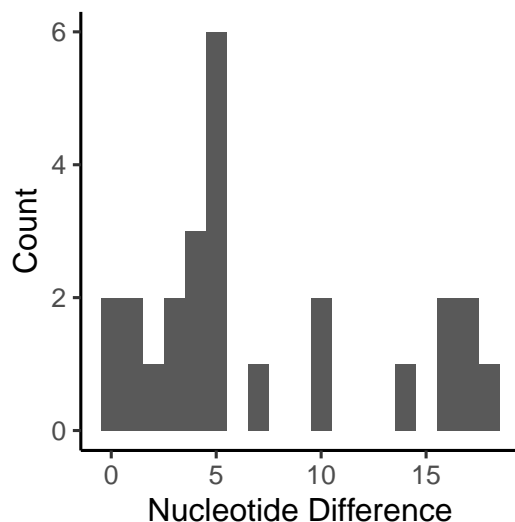
IGHV3-48*01

461 sequences assigned
34 (7.4%) exact matches, in which:
32 unique CDR3
6 unique J



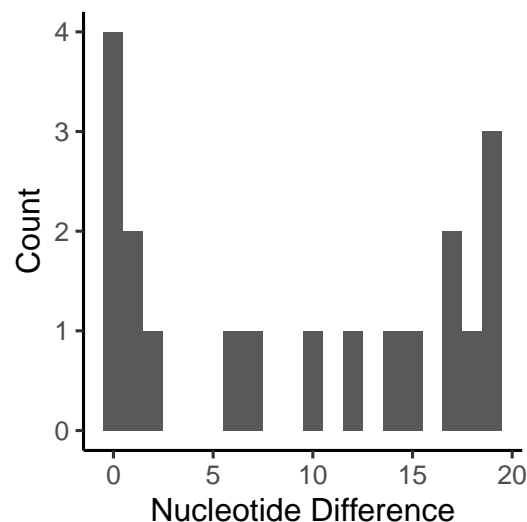
IGHV3-64*01

36 sequences assigned
2 (5.6%) exact matches, in which:
2 unique CDR3
1 unique J



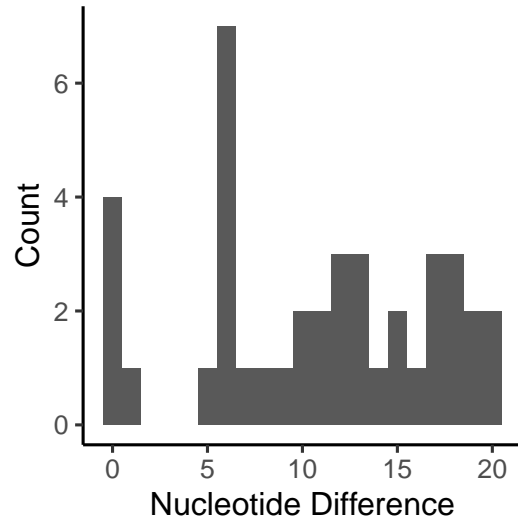
IGHV3-73*01

58 sequences assigned
4 (6.9%) exact matches, in which:
4 unique CDR3
2 unique J



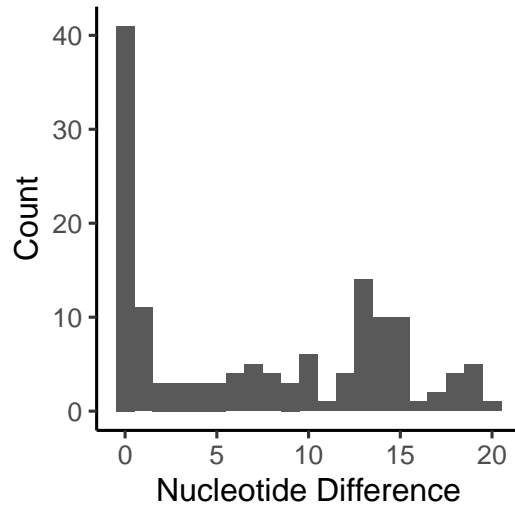
IGHV3-73*02

70 sequences assigned
4 (5.7%) exact matches, in which:
4 unique CDR3
2 unique J



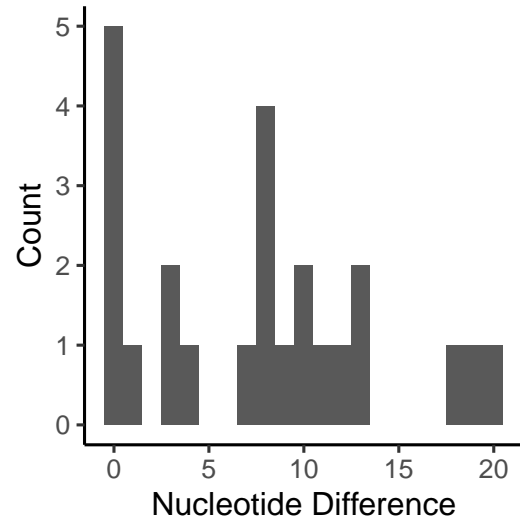
IGHV4-4*07

301 sequences assigned
41 (13.6%) exact matches, in which:
41 unique CDR3
7 unique J



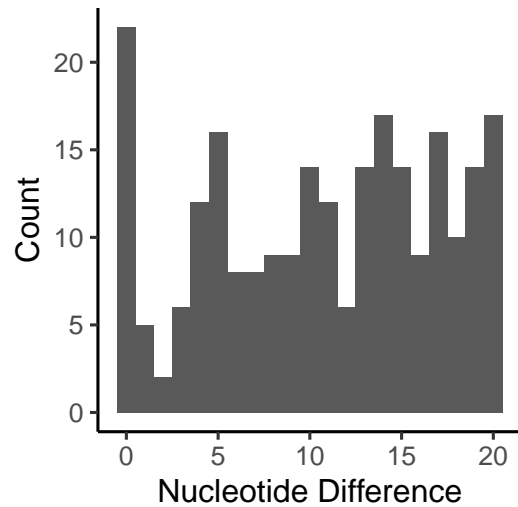
IGHV4-30-2*01

47 sequences assigned
5 (10.6%) exact matches, in which:
5 unique CDR3
4 unique J



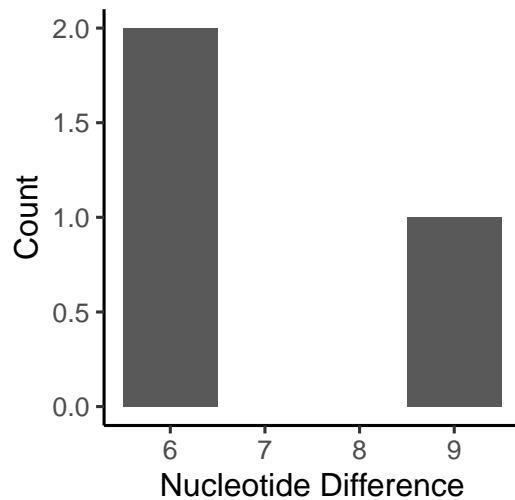
IGHV3-74*01

409 sequences assigned
22 (5.4%) exact matches, in which:
22 unique CDR3
5 unique J



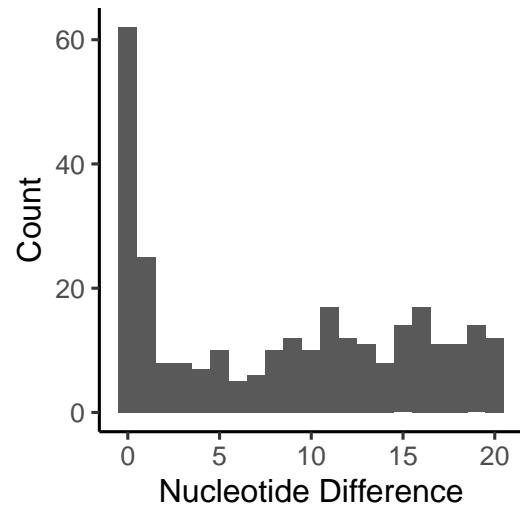
IGHV4-28*01

3 sequences assigned
No exact matches.



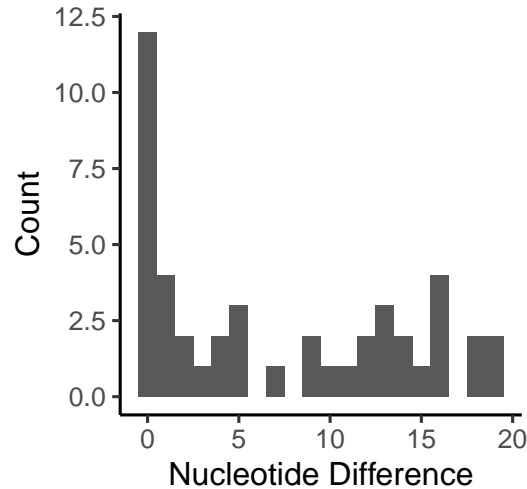
IGHV4-31*03

583 sequences assigned
62 (10.6%) exact matches, in which:
62 unique CDR3
6 unique J



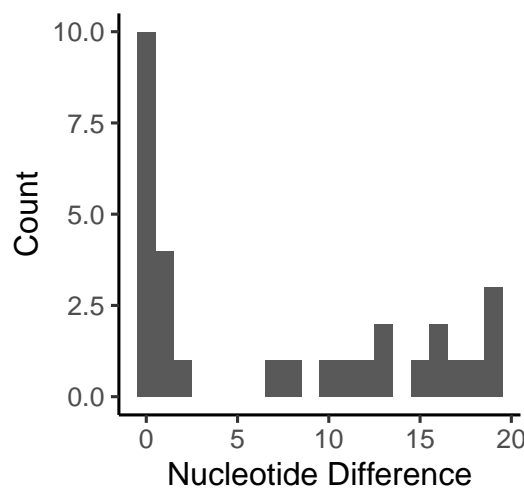
IGHV3-64D*06

157 sequences assigned
12 (7.6%) exact matches, in which:
12 unique CDR3
5 unique J



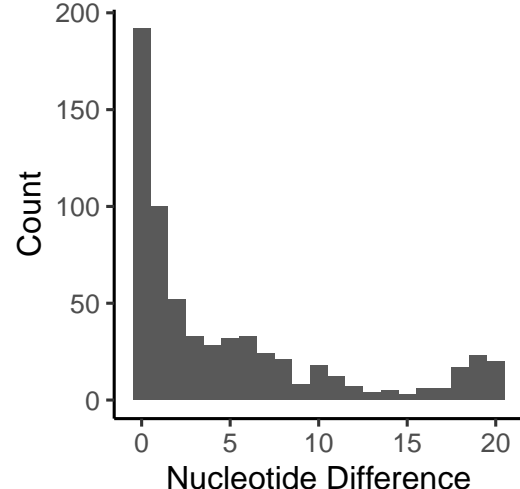
IGHV4-30-4*01

122 sequences assigned
10 (8.2%) exact matches, in which:
10 unique CDR3
4 unique J



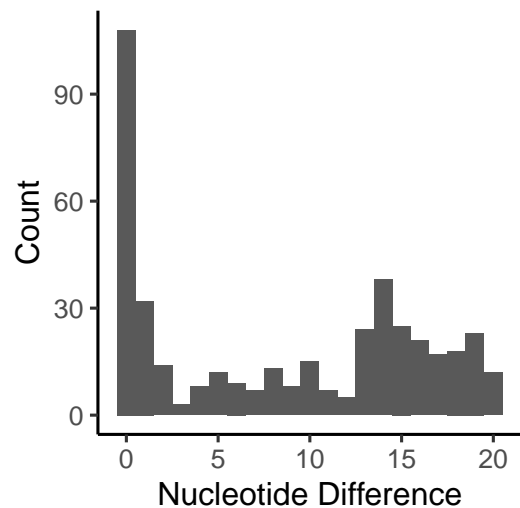
IGHV4-34*01

1150 sequences assigned
192 (16.7%) exact matches, in which:
189 unique CDR3
7 unique J



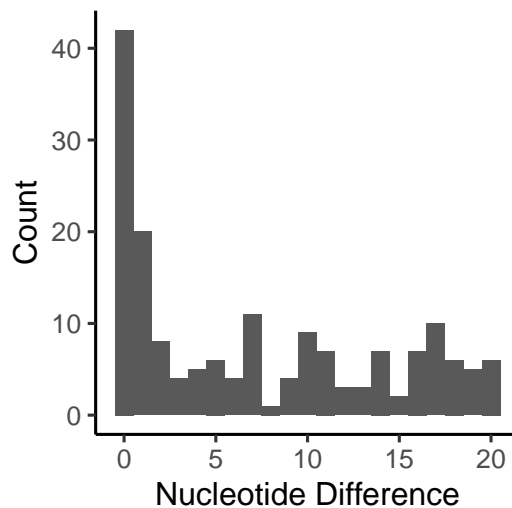
IGHV4-39*01

1036 sequences assigned
108 (10.4%) exact matches, in which:
108 unique CDR3
6 unique J



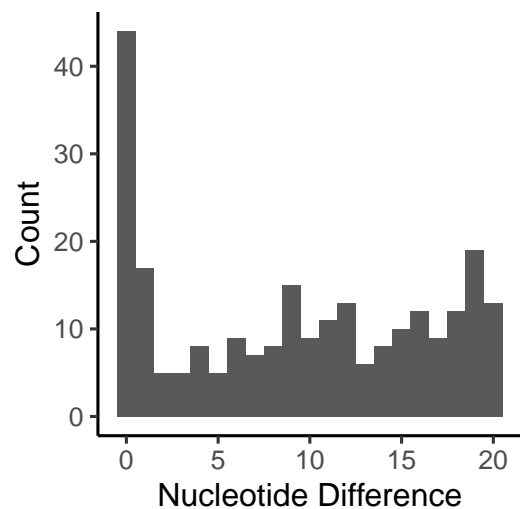
IGHV5-10-1*03

372 sequences assigned
42 (11.3%) exact matches, in which:
42 unique CDR3
4 unique J



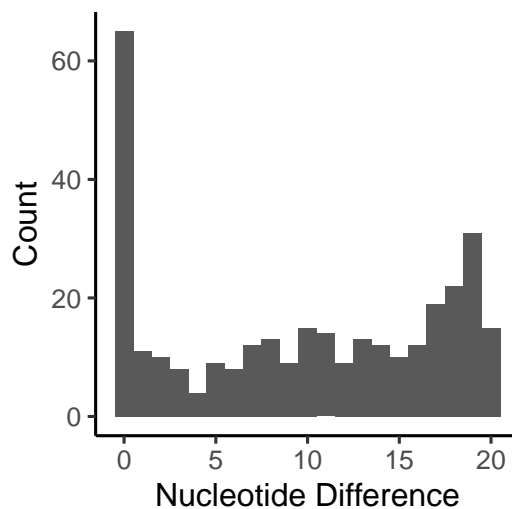
IGHV4-59*01

470 sequences assigned
44 (9.4%) exact matches, in which:
44 unique CDR3
6 unique J



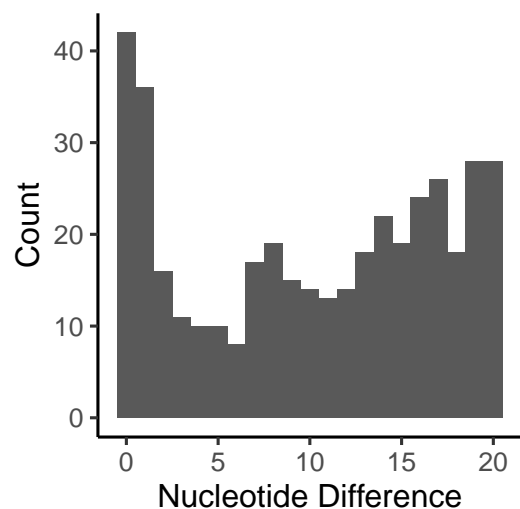
IGHV5-51*01_C45G

550 sequences assigned
65 (11.8%) exact matches, in which:
65 unique CDR3
7 unique J



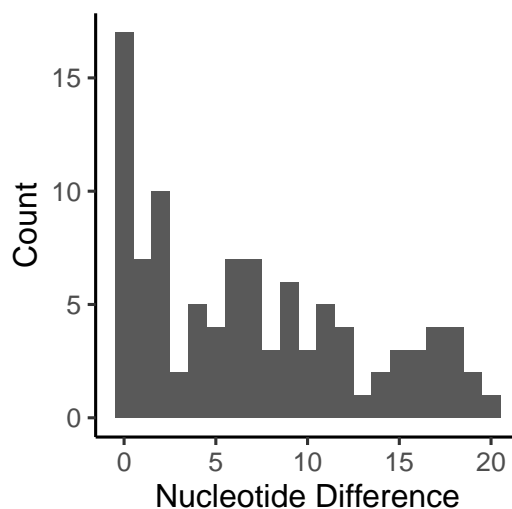
IGHV4-61*02

1146 sequences assigned
42 (3.7%) exact matches, in which:
42 unique CDR3
6 unique J

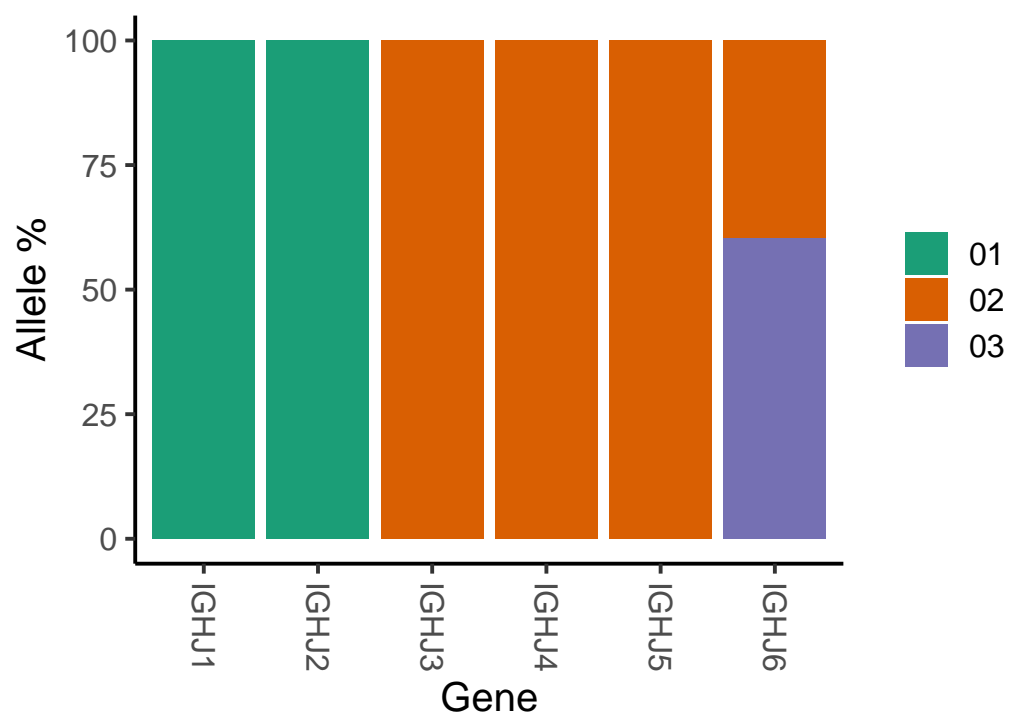


IGHV6-1*01

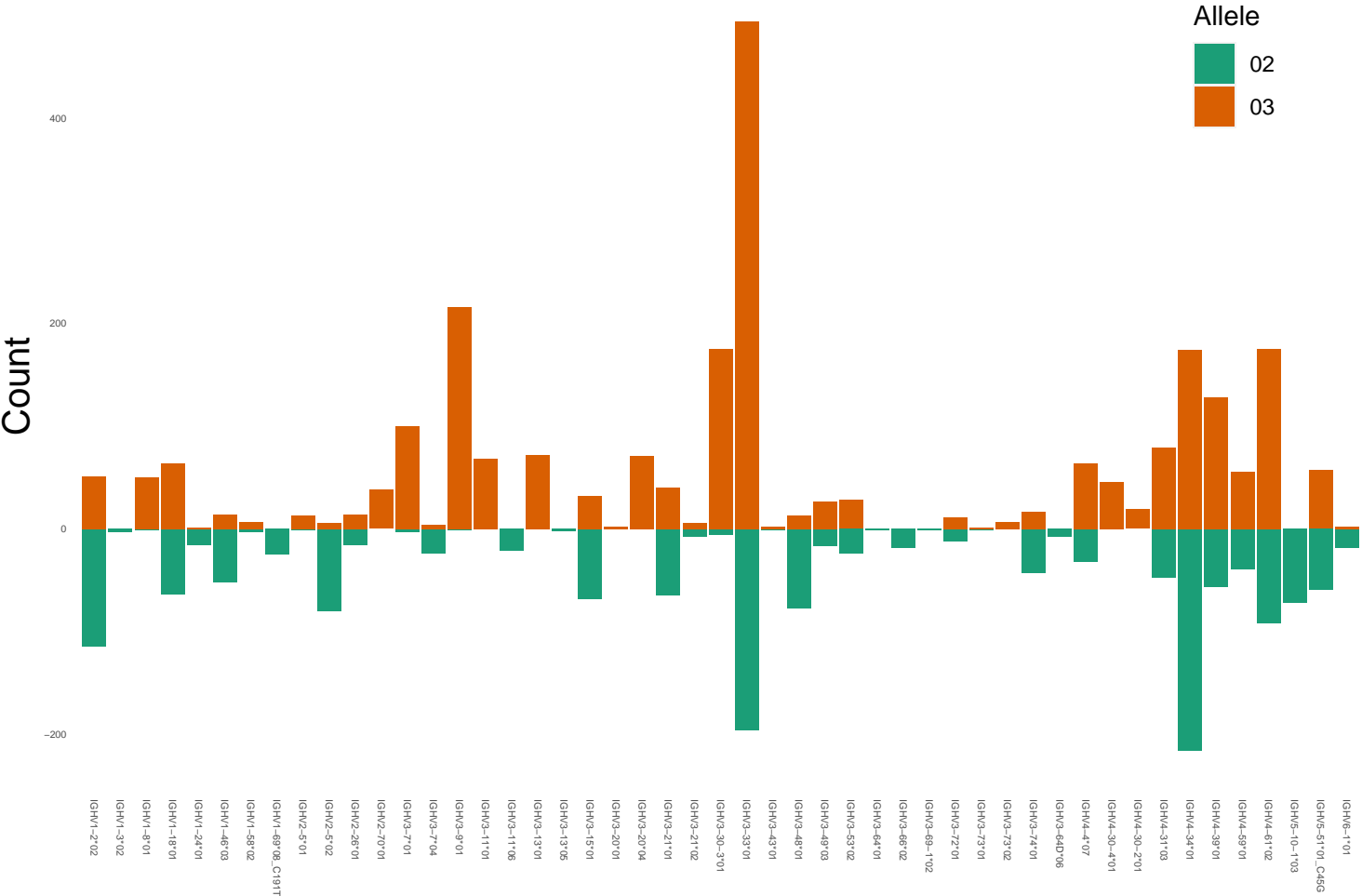
137 sequences assigned
17 (12.4%) exact matches, in which:
17 unique CDR3
4 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.

Warning – no inferred sequences found.

Warning – no inferred sequences found.