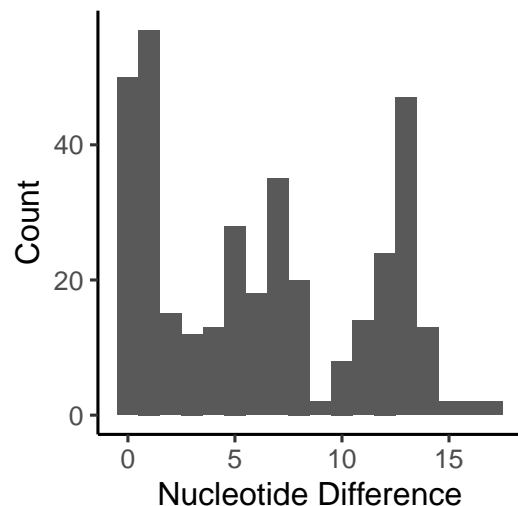


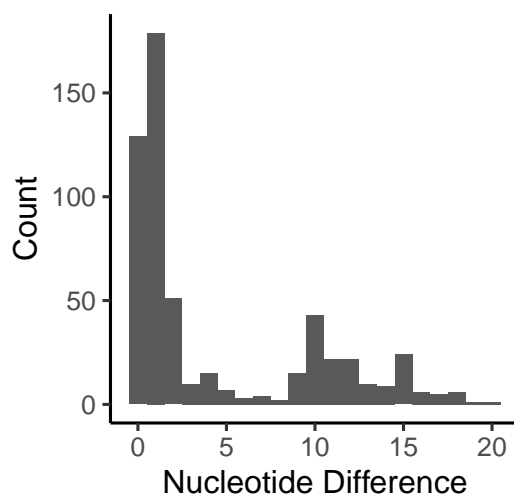
IGHV1-2*02

393 sequences assigned
50 (12.7%) exact matches, in which:
34 unique CDR3
4 unique J



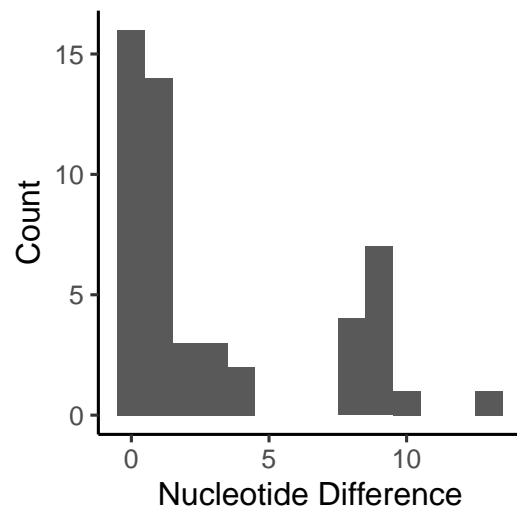
IGHV1-18*01

566 sequences assigned
129 (22.8%) exact matches, in which:
87 unique CDR3
7 unique J



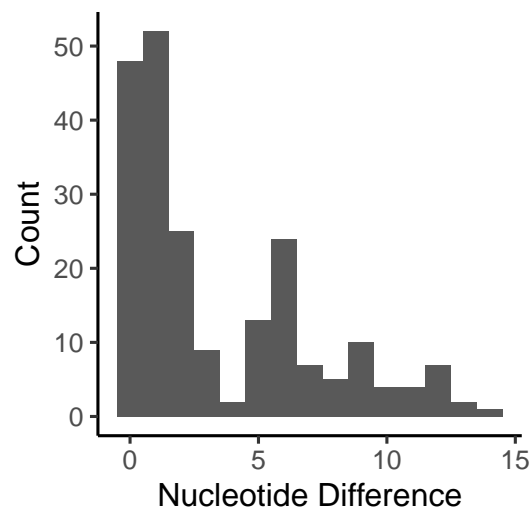
IGHV1-46*03

51 sequences assigned
16 (31.4%) exact matches, in which:
10 unique CDR3
2 unique J



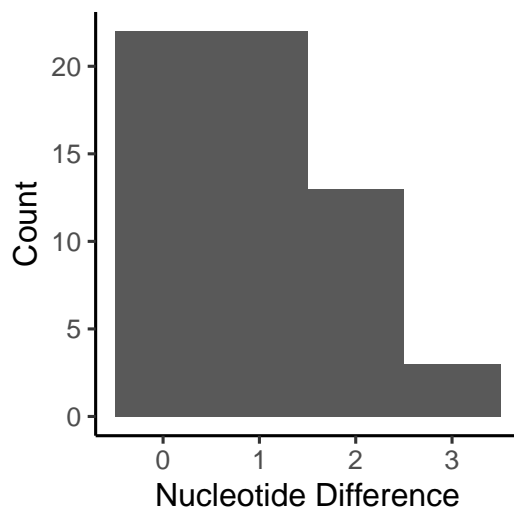
IGHV1-3*01

213 sequences assigned
48 (22.5%) exact matches, in which:
28 unique CDR3
4 unique J



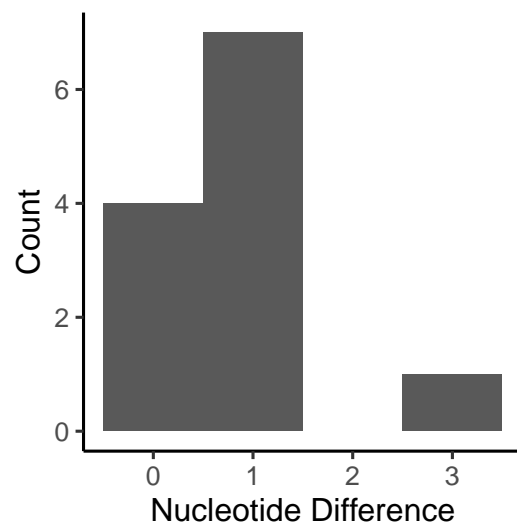
IGHV1-24*01

60 sequences assigned
22 (36.7%) exact matches, in which:
20 unique CDR3
5 unique J



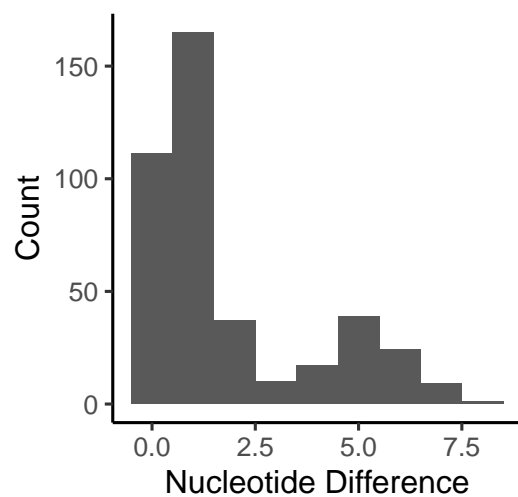
IGHV1-58*01

12 sequences assigned
4 (33.3%) exact matches, in which:
3 unique CDR3
2 unique J



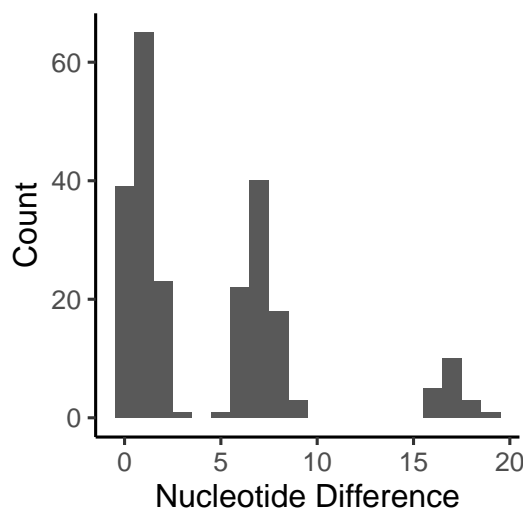
IGHV1-8*01

413 sequences assigned
111 (26.9%) exact matches, in which:
81 unique CDR3
6 unique J



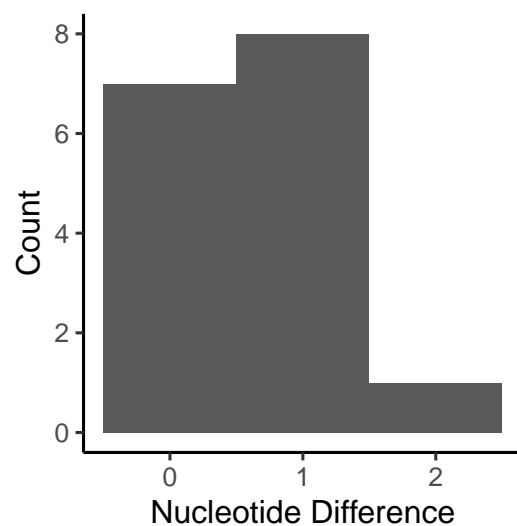
IGHV1-46*01

231 sequences assigned
39 (16.9%) exact matches, in which:
24 unique CDR3
5 unique J



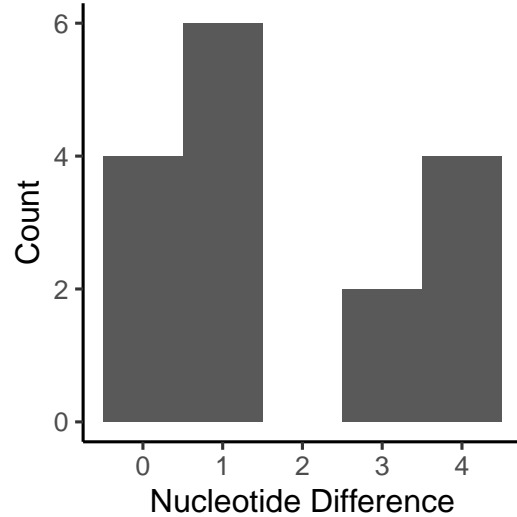
IGHV1-58*02

16 sequences assigned
7 (43.8%) exact matches, in which:
4 unique CDR3
3 unique J



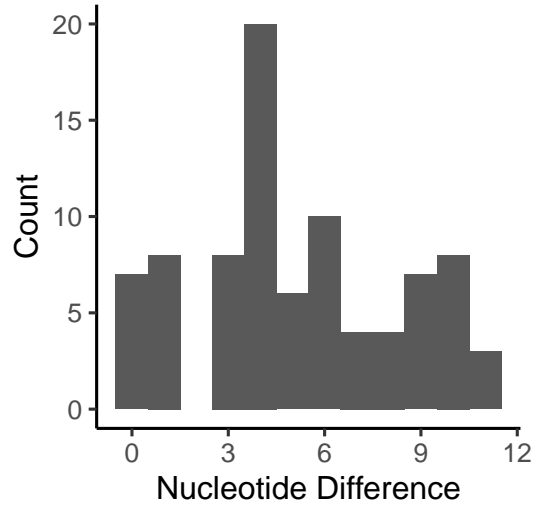
IGHV1-69-2*01

16 sequences assigned
4 (25%) exact matches, in which:
4 unique CDR3
1 unique J



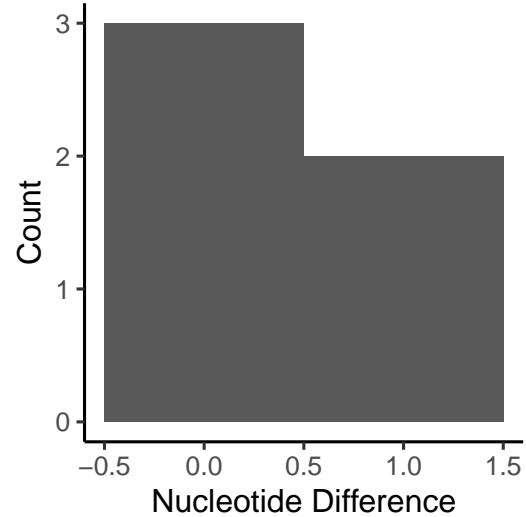
IGHV2-5*01

85 sequences assigned
7 (8.2%) exact matches, in which:
6 unique CDR3
4 unique J



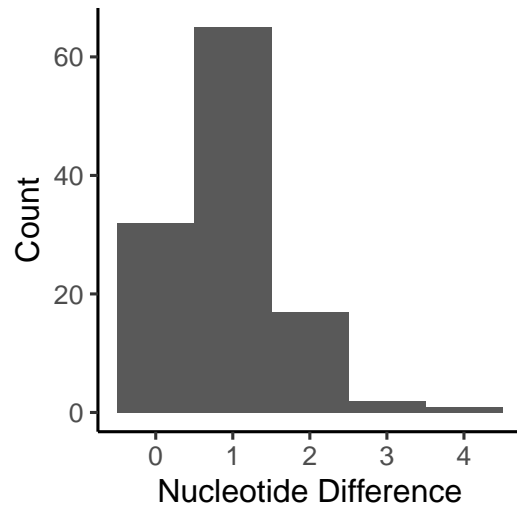
IGHV2-70*01

5 sequences assigned
3 (60%) exact matches, in which:
2 unique CDR3
2 unique J



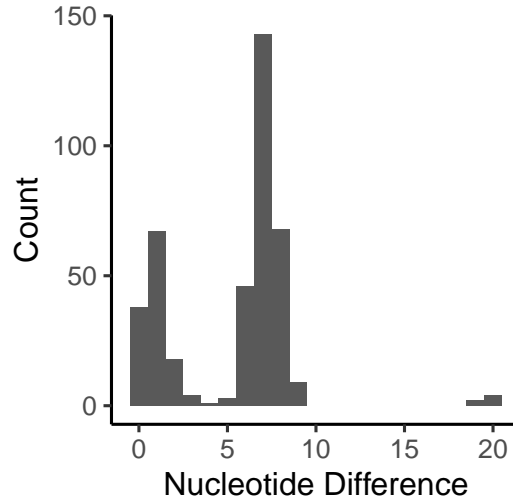
IGHV1-69*02

117 sequences assigned
32 (27.4%) exact matches, in which:
27 unique CDR3
4 unique J



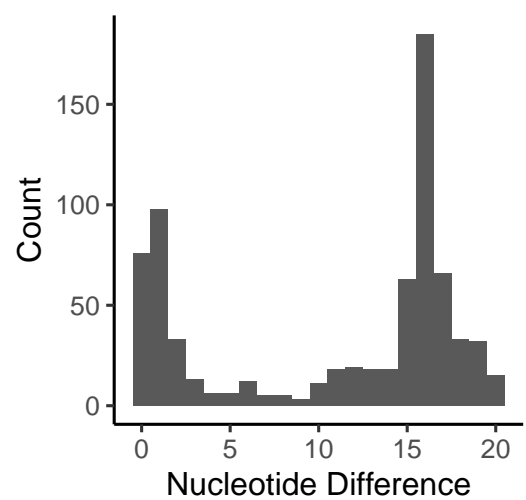
IGHV2-5*02

411 sequences assigned
38 (9.2%) exact matches, in which:
22 unique CDR3
3 unique J



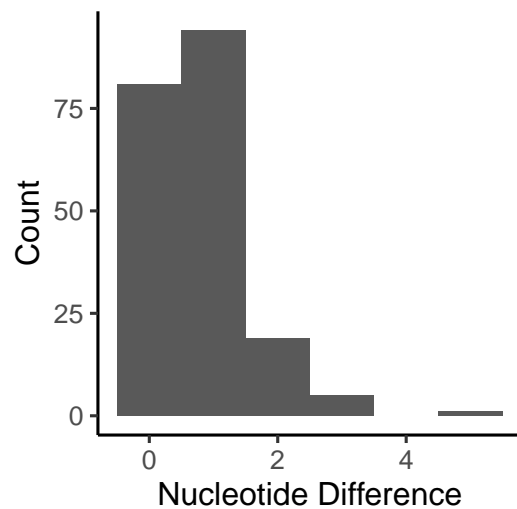
IGHV3-7*01

780 sequences assigned
76 (9.7%) exact matches, in which:
59 unique CDR3
7 unique J



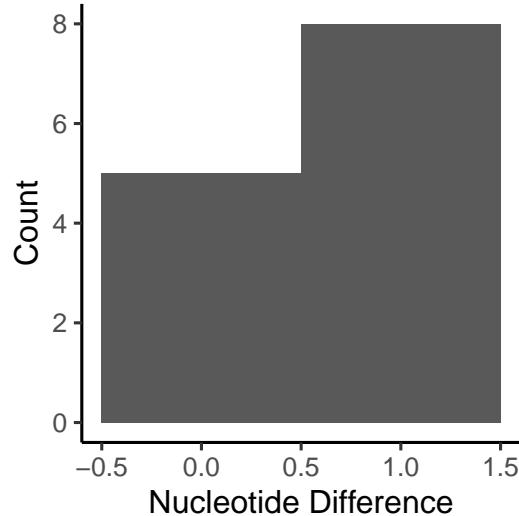
IGHV1-69*04_C184T

200 sequences assigned
81 (40.5%) exact matches, in which:
66 unique CDR3
6 unique J



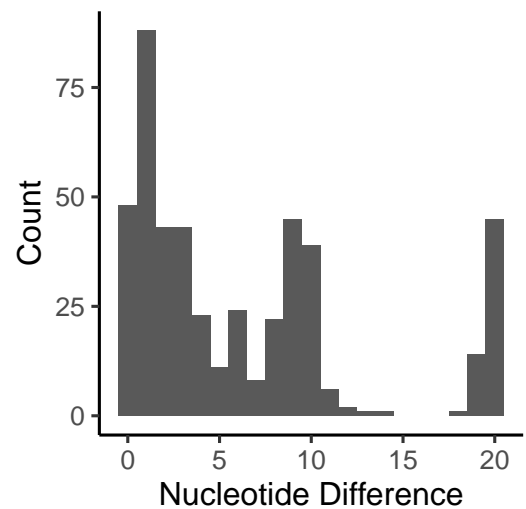
IGHV2-26*01

13 sequences assigned
5 (38.5%) exact matches, in which:
3 unique CDR3
1 unique J



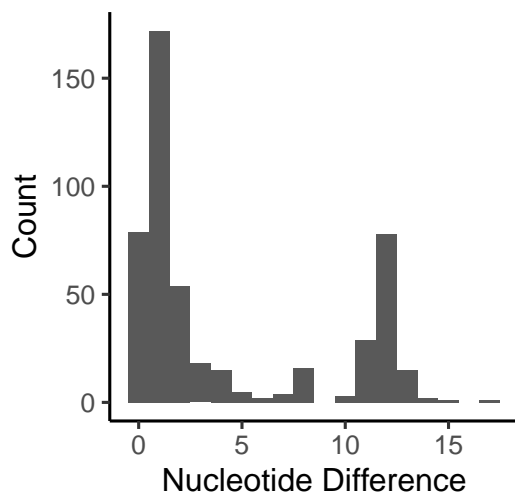
IGHV3-9*01

674 sequences assigned
48 (7.1%) exact matches, in which:
37 unique CDR3
5 unique J



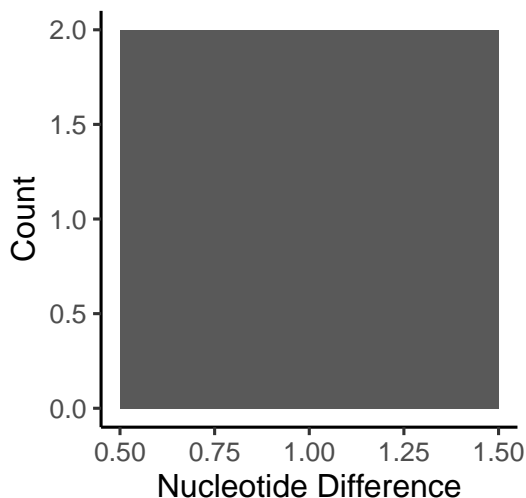
IGHV3-11*01

494 sequences assigned
79 (16%) exact matches, in which:
54 unique CDR3
5 unique J



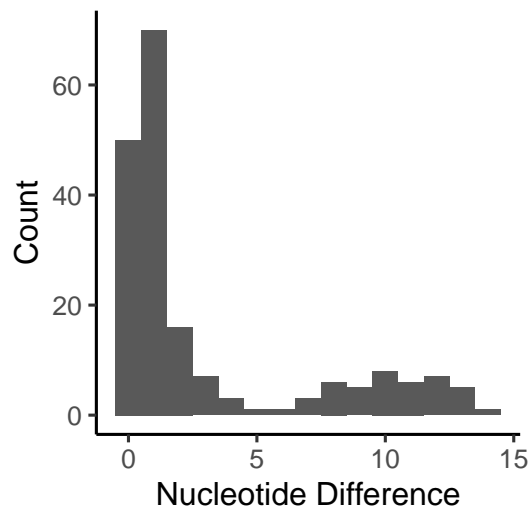
IGHV3-20*01

2 sequences assigned
No exact matches.



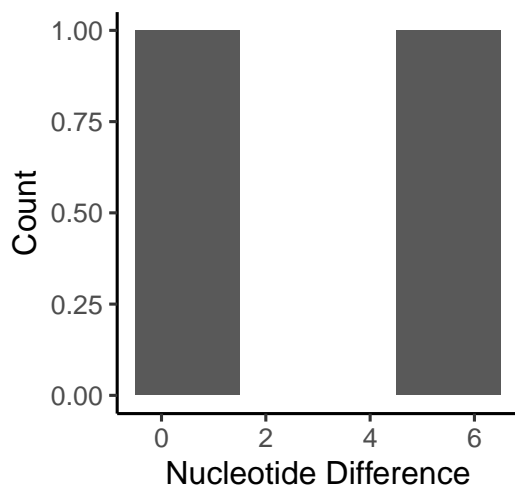
IGHV3-33*01

189 sequences assigned
50 (26.5%) exact matches, in which:
36 unique CDR3
3 unique J



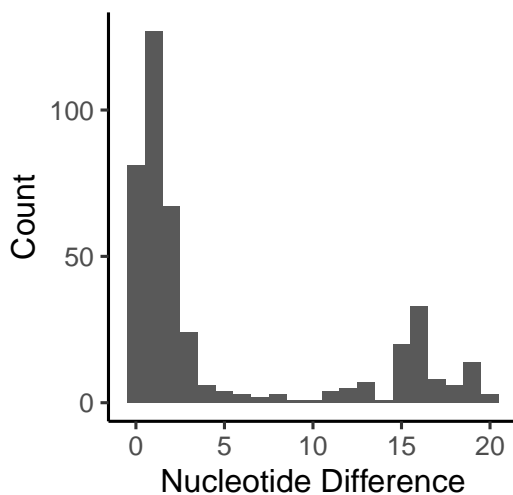
IGHV3-13*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



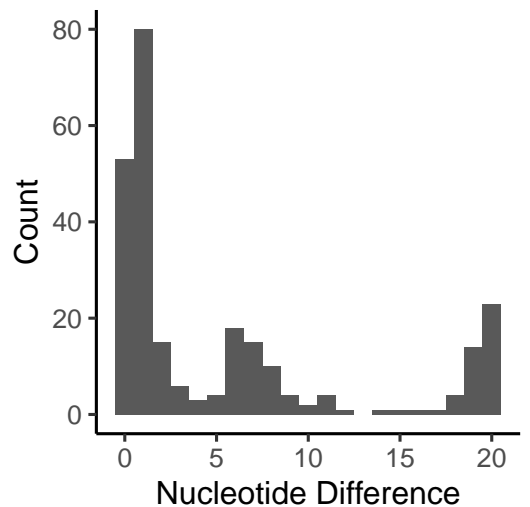
IGHV3-21*01

422 sequences assigned
81 (19.2%) exact matches, in which:
51 unique CDR3
6 unique J



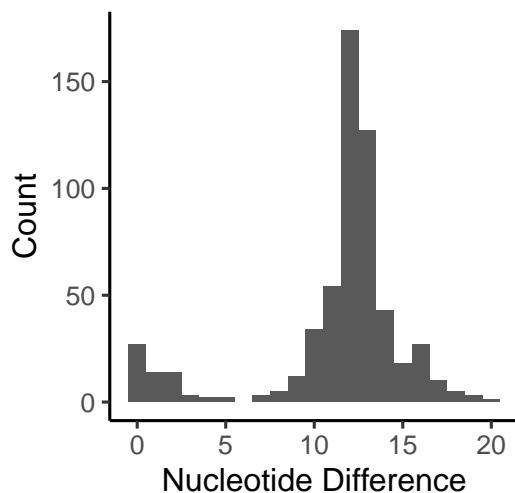
IGHV3-33*08

270 sequences assigned
53 (19.6%) exact matches, in which:
42 unique CDR3
4 unique J



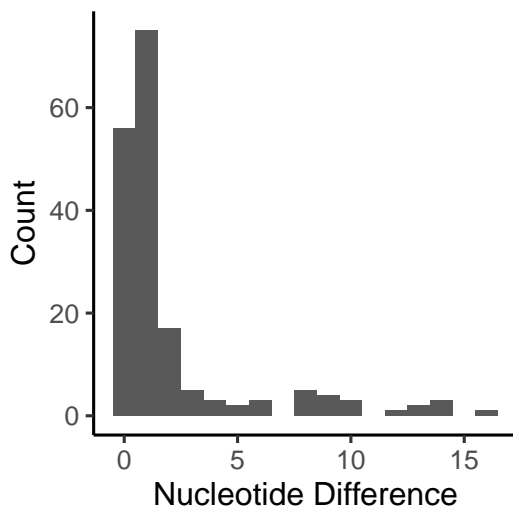
IGHV3-15*01

578 sequences assigned
27 (4.7%) exact matches, in which:
24 unique CDR3
4 unique J



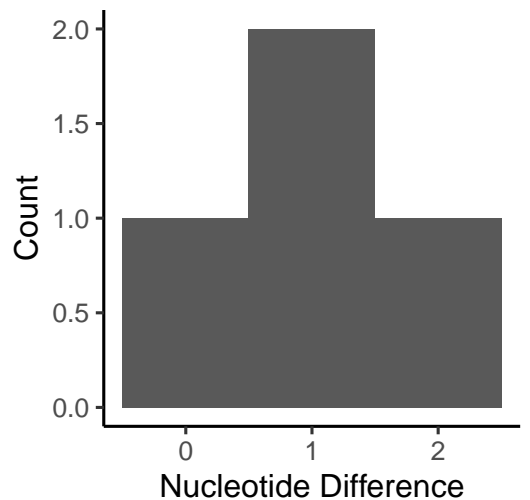
IGHV3-30-3*01

180 sequences assigned
56 (31.1%) exact matches, in which:
35 unique CDR3
6 unique J



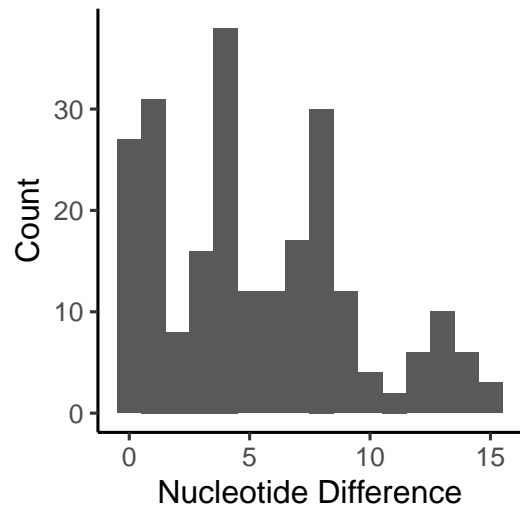
IGHV3-43*01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



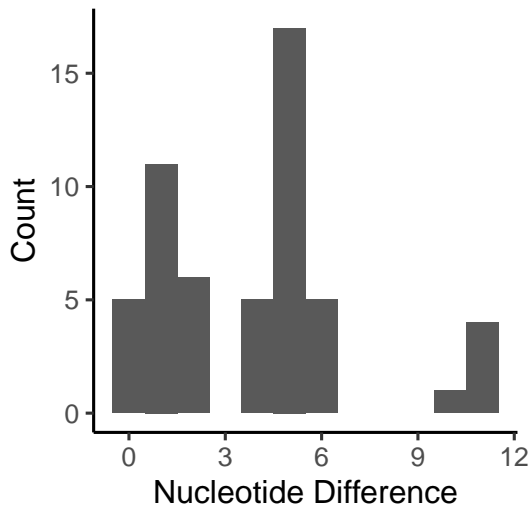
IGHV3-48*01

234 sequences assigned
27 (11.5%) exact matches, in which:
19 unique CDR3
4 unique J



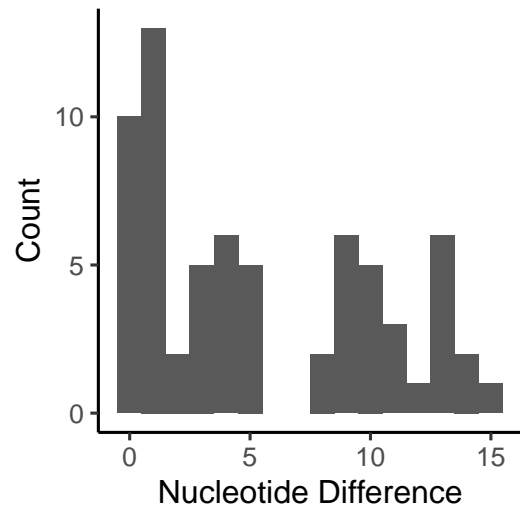
IGHV3-49*05

54 sequences assigned
5 (9.3%) exact matches, in which:
3 unique CDR3
2 unique J



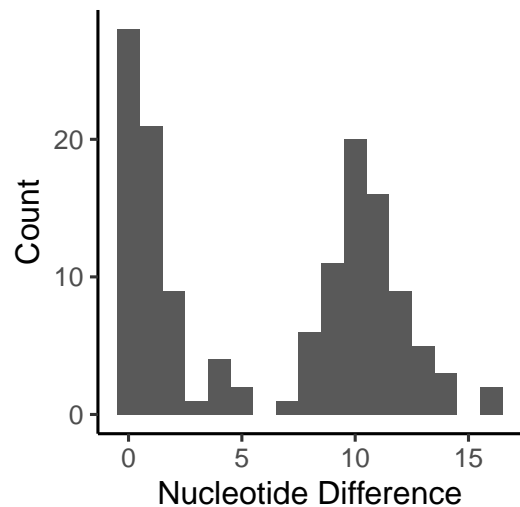
IGHV3-66*02

67 sequences assigned
10 (14.9%) exact matches, in which:
10 unique CDR3
5 unique J



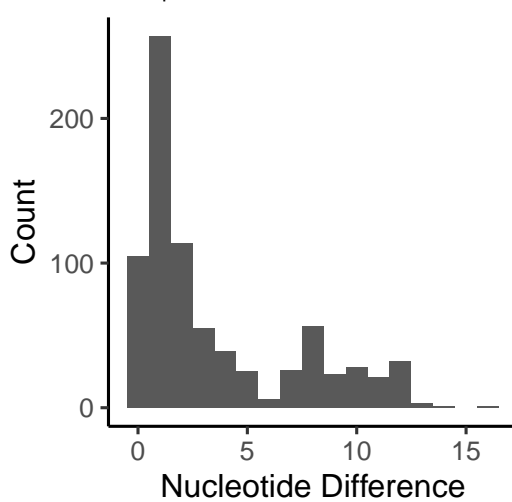
IGHV3-48*02

138 sequences assigned
28 (20.3%) exact matches, in which:
19 unique CDR3
6 unique J



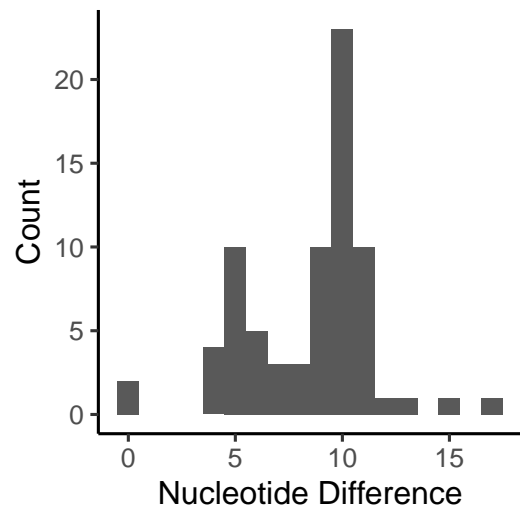
IGHV3-53*01

795 sequences assigned
105 (13.2%) exact matches, in which:
76 unique CDR3
6 unique J



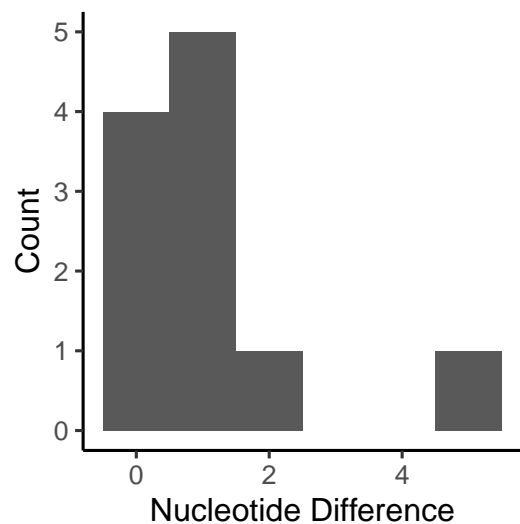
IGHV3-72*01

74 sequences assigned
2 (2.7%) exact matches, in which:
1 unique CDR3
1 unique J



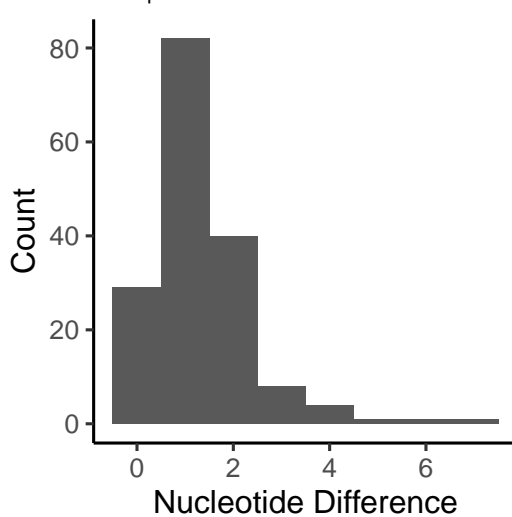
IGHV3-49*03

11 sequences assigned
4 (36.4%) exact matches, in which:
4 unique CDR3
3 unique J



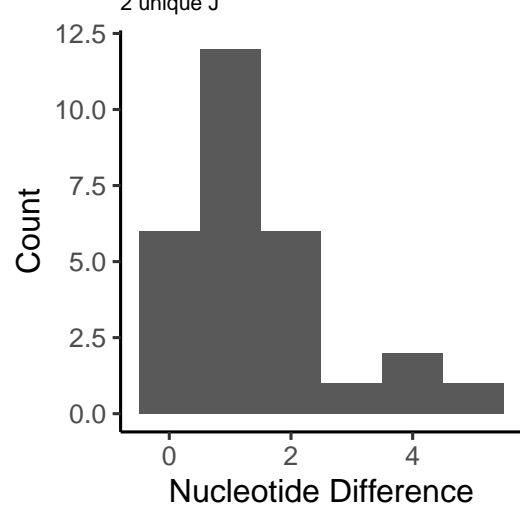
IGHV3-64*01

166 sequences assigned
29 (17.5%) exact matches, in which:
19 unique CDR3
2 unique J



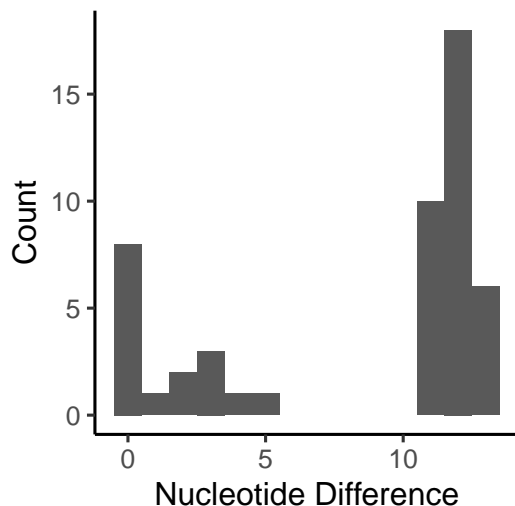
IGHV3-73*01

28 sequences assigned
6 (21.4%) exact matches, in which:
5 unique CDR3
2 unique J



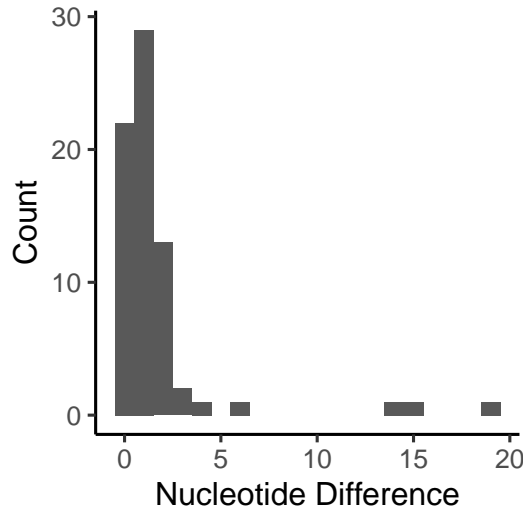
IGHV3-73*02

50 sequences assigned
8 (16%) exact matches, in which:
7 unique CDR3
2 unique J



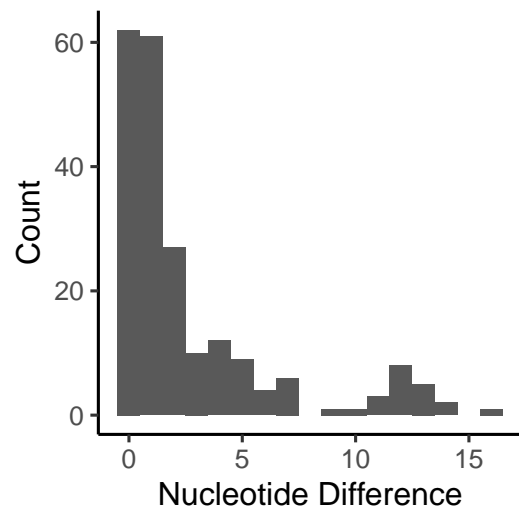
IGHV4-30-4*01

71 sequences assigned
22 (31%) exact matches, in which:
16 unique CDR3
3 unique J



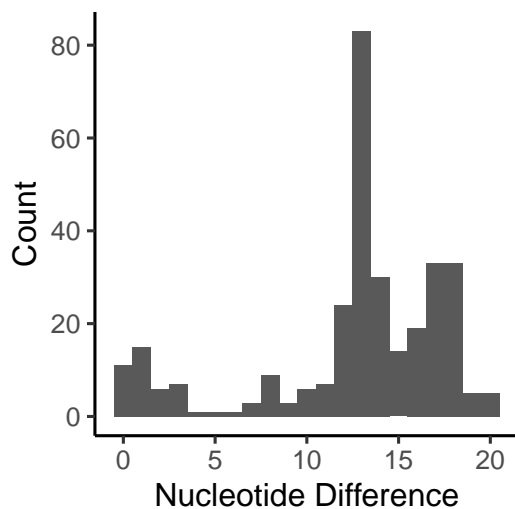
IGHV4-34*01

212 sequences assigned
62 (29.2%) exact matches, in which:
56 unique CDR3
6 unique J



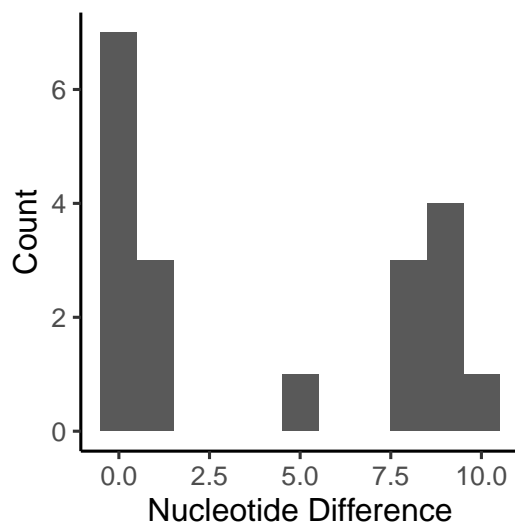
IGHV3-74*01

319 sequences assigned
11 (3.4%) exact matches, in which:
10 unique CDR3
4 unique J



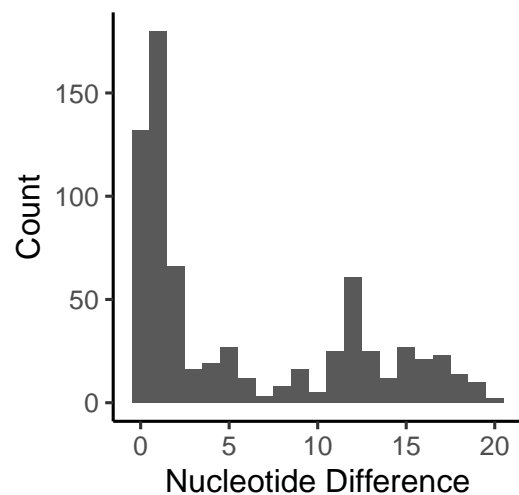
IGHV4-30-2*01

19 sequences assigned
7 (36.8%) exact matches, in which:
5 unique CDR3
3 unique J



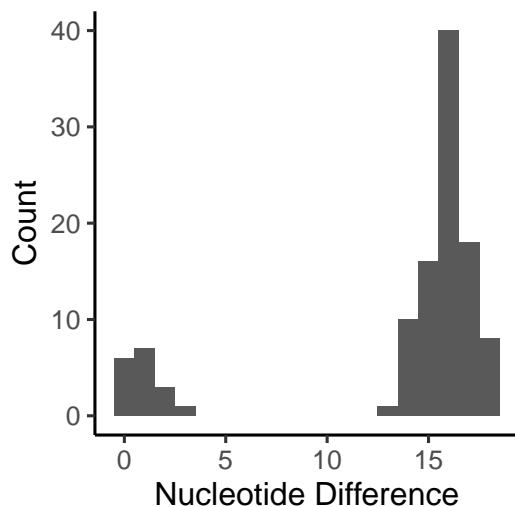
IGHV4-39*01

719 sequences assigned
132 (18.4%) exact matches, in which:
99 unique CDR3
7 unique J



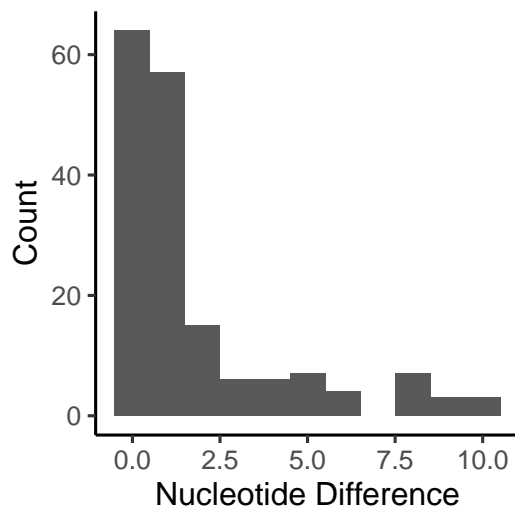
IGHV4-4*07

110 sequences assigned
6 (5.5%) exact matches, in which:
4 unique CDR3
3 unique J



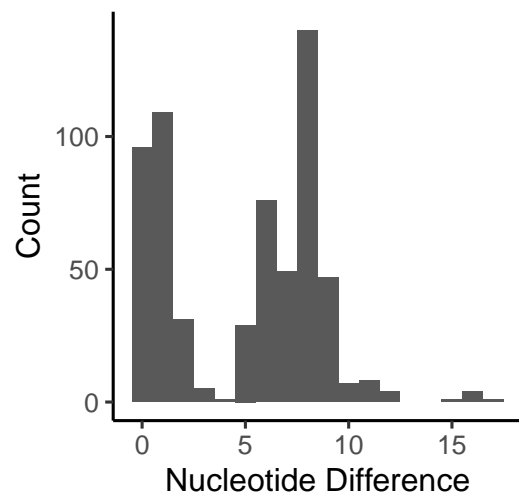
IGHV4-31*03

172 sequences assigned
64 (37.2%) exact matches, in which:
36 unique CDR3
5 unique J



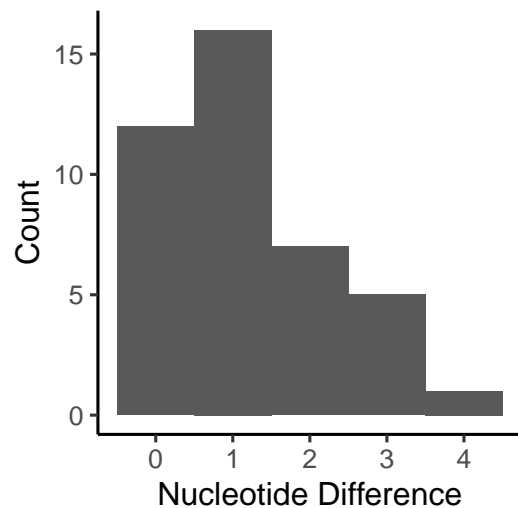
IGHV4-59*01

609 sequences assigned
96 (15.8%) exact matches, in which:
67 unique CDR3
5 unique J



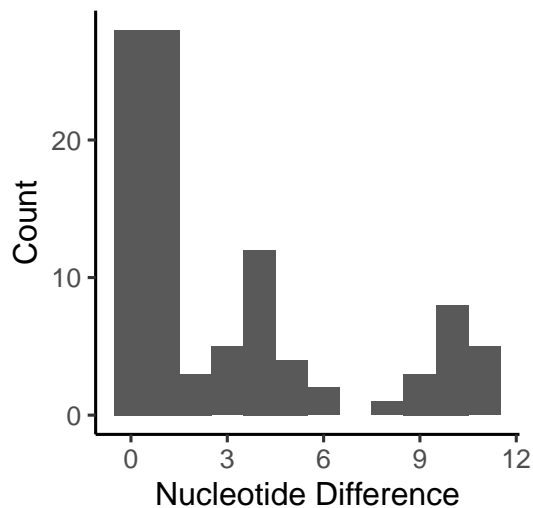
IGHV4-61*01

41 sequences assigned
12 (29.3%) exact matches, in which:
7 unique CDR3
2 unique J



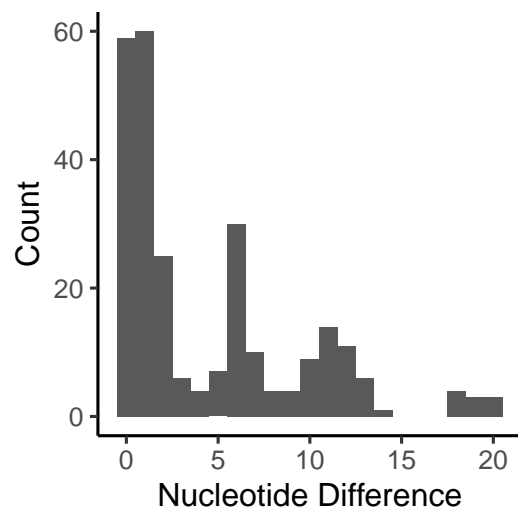
IGHV5-51*03

99 sequences assigned
28 (28.3%) exact matches, in which:
23 unique CDR3
4 unique J



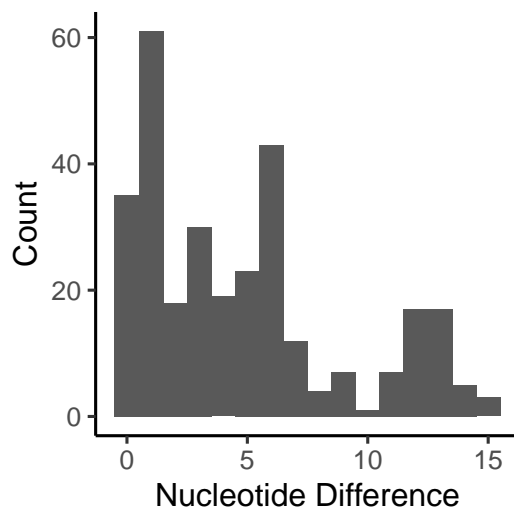
IGHV4-61*02

263 sequences assigned
59 (22.4%) exact matches, in which:
34 unique CDR3
6 unique J



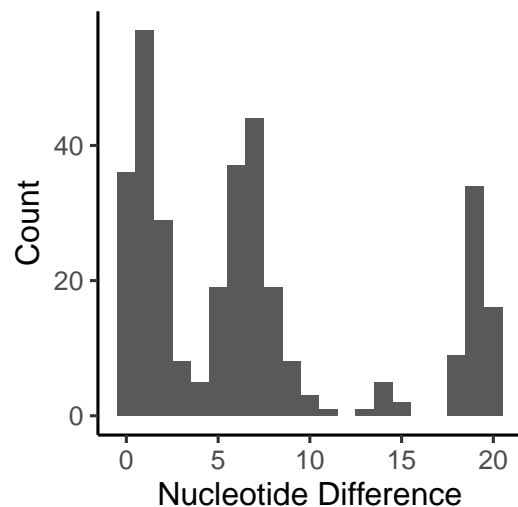
IGHV6-1*01

302 sequences assigned
35 (11.6%) exact matches, in which:
18 unique CDR3
4 unique J



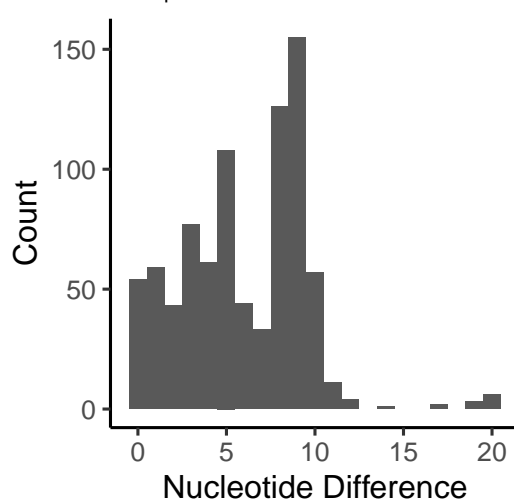
IGHV5-51*01

498 sequences assigned
36 (7.2%) exact matches, in which:
32 unique CDR3
4 unique J

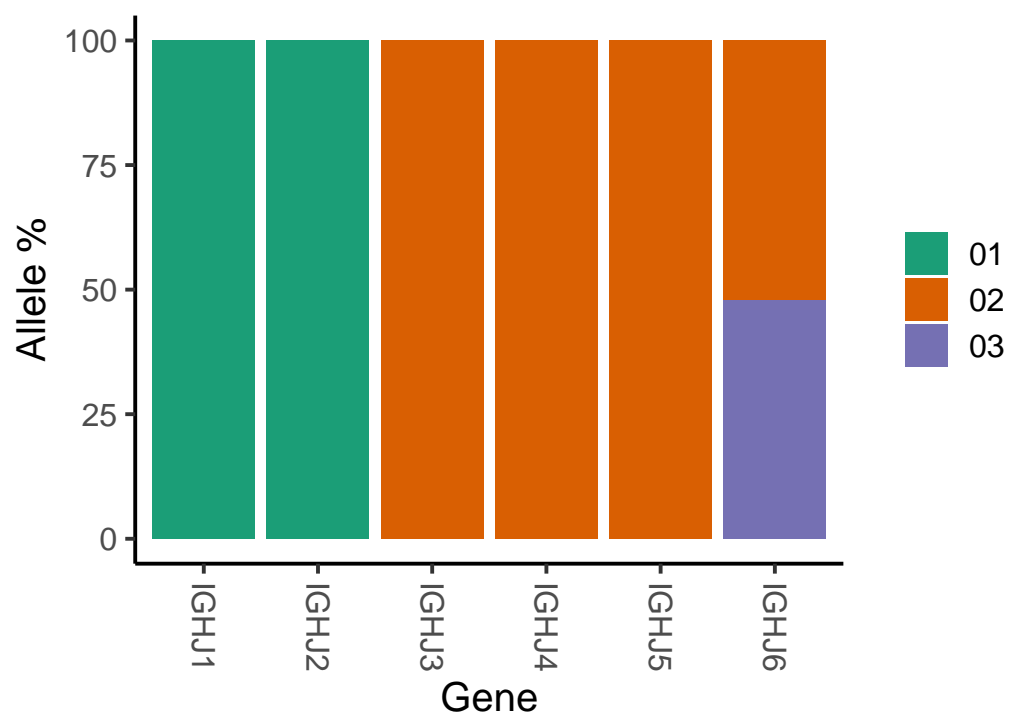


IGHV7-4-1*02

902 sequences assigned
54 (6%) exact matches, in which:
32 unique CDR3
6 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.