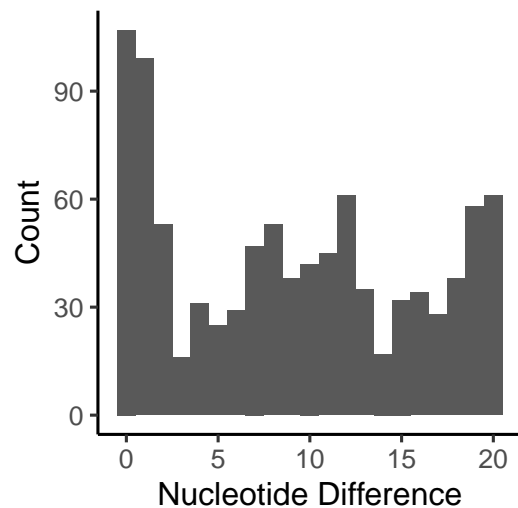


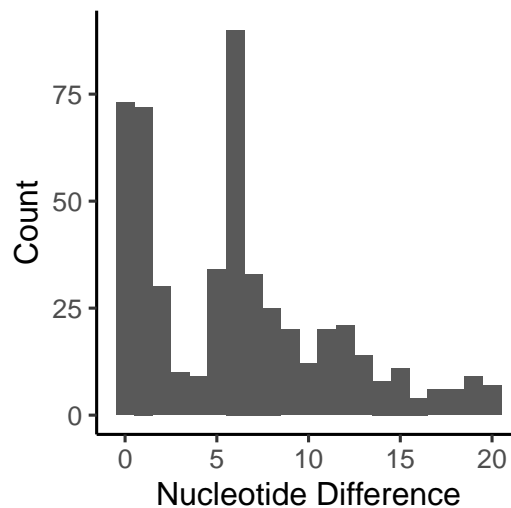
IGHV1-2*02

1430 sequences assigned
107 (7.5%) exact matches, in which:
91 unique CDR3
5 unique J



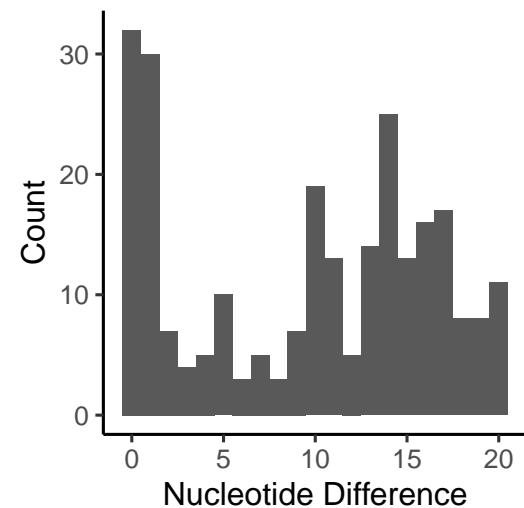
IGHV1-8*03

580 sequences assigned
73 (12.6%) exact matches, in which:
57 unique CDR3
6 unique J



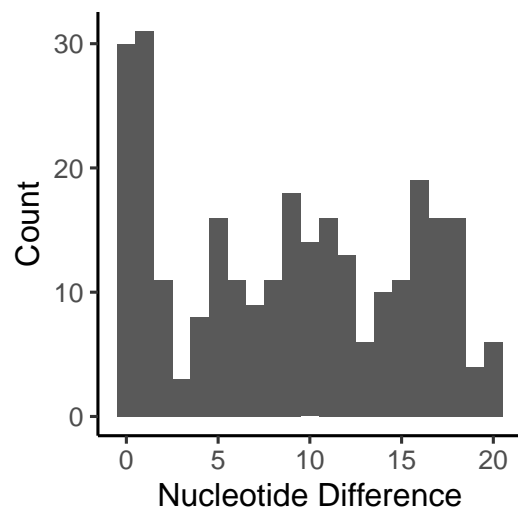
IGHV1-24*01

378 sequences assigned
32 (8.5%) exact matches, in which:
30 unique CDR3
4 unique J



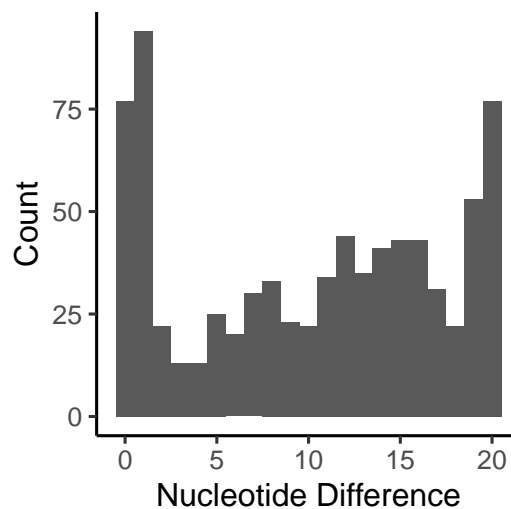
IGHV1-3*01

528 sequences assigned
30 (5.7%) exact matches, in which:
20 unique CDR3
4 unique J



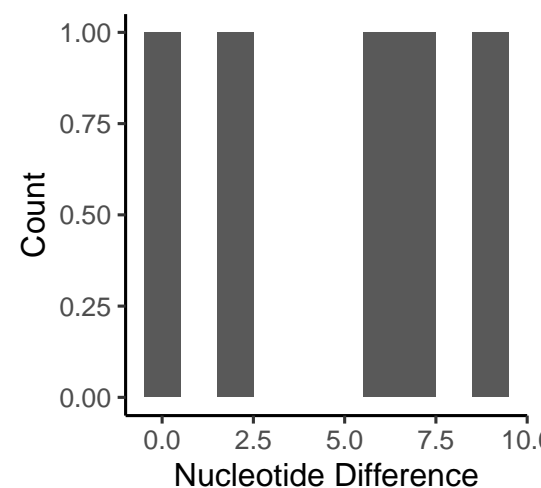
IGHV1-18*01

1286 sequences assigned
77 (6%) exact matches, in which:
67 unique CDR3
6 unique J



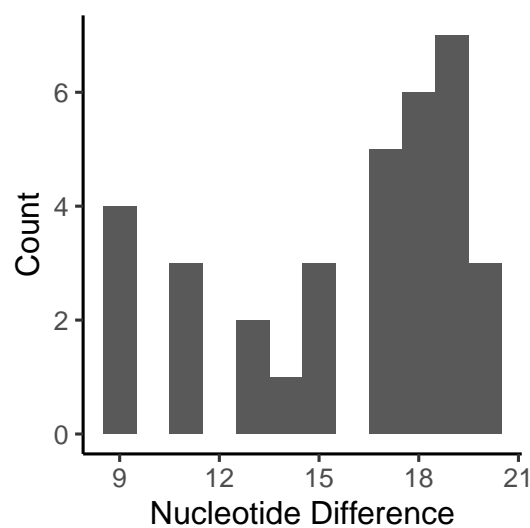
IGHV1-45*02

6 sequences assigned
1 (16.7%) exact matches, in which:
1 unique CDR3
1 unique J



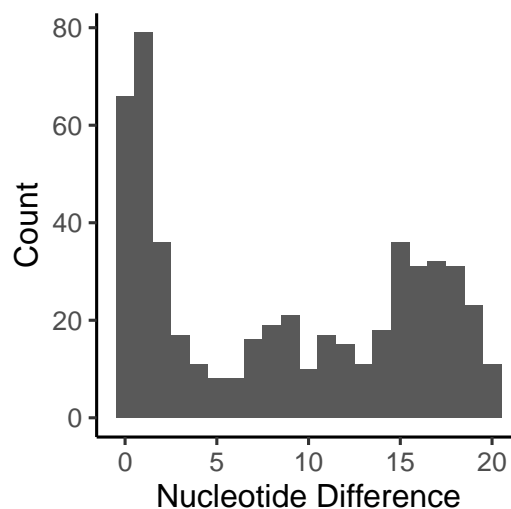
IGHV1-3*04

95 sequences assigned
No exact matches.



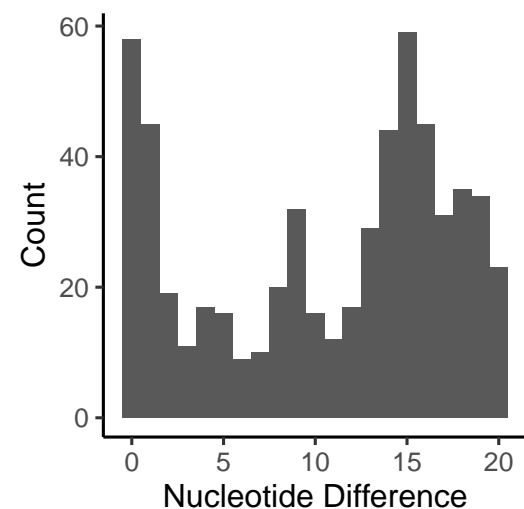
IGHV1-18*04

916 sequences assigned
66 (7.2%) exact matches, in which:
50 unique CDR3
6 unique J



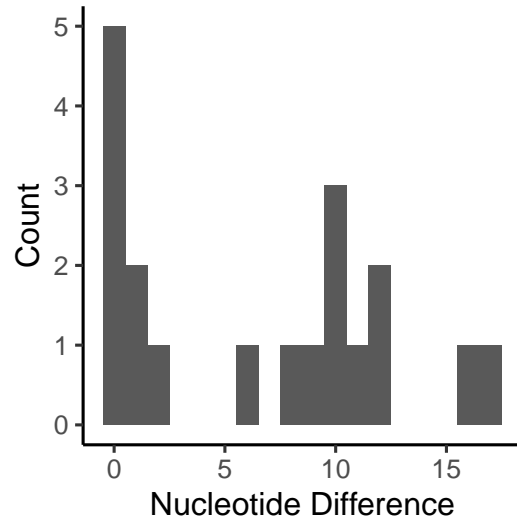
IGHV1-46*01

810 sequences assigned
58 (7.2%) exact matches, in which:
49 unique CDR3
6 unique J



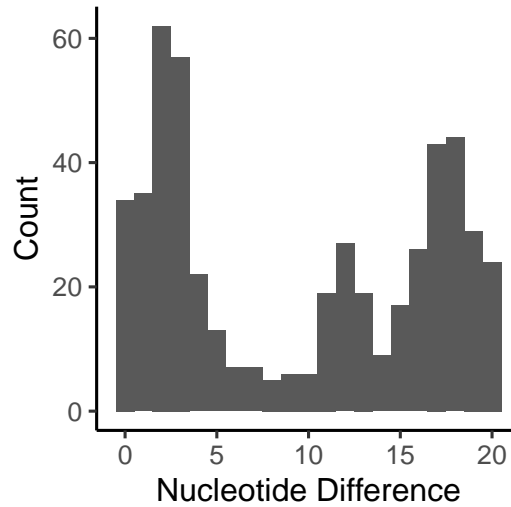
IGHV1-58*02

46 sequences assigned
5 (10.9%) exact matches, in which:
4 unique CDR3
3 unique J



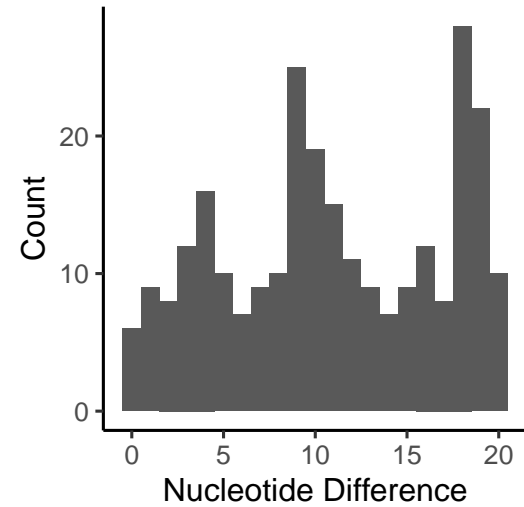
IGHV1-69*10

988 sequences assigned
34 (3.4%) exact matches, in which:
26 unique CDR3
5 unique J



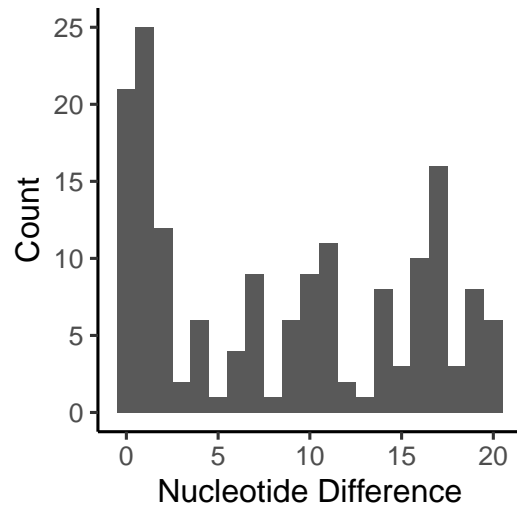
IGHV2-5*02

376 sequences assigned
6 (1.6%) exact matches, in which:
5 unique CDR3
3 unique J



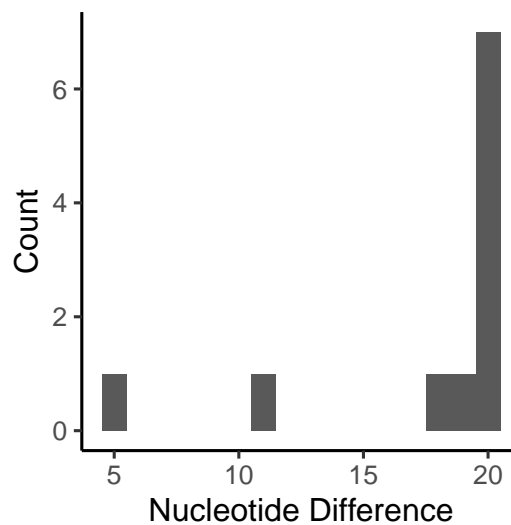
IGHV1-69-2*01

353 sequences assigned
21 (5.9%) exact matches, in which:
20 unique CDR3
5 unique J



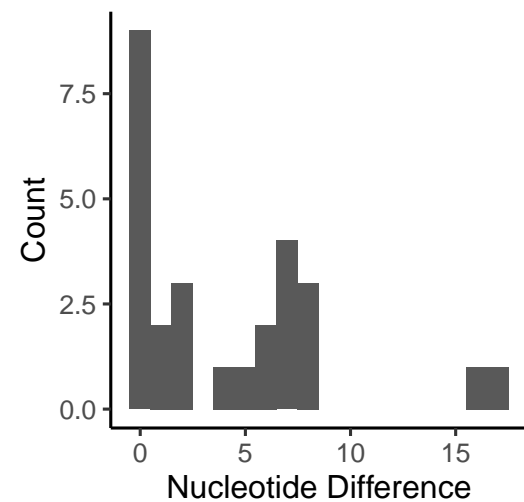
IGHV1-69D*01

47 sequences assigned
No exact matches.



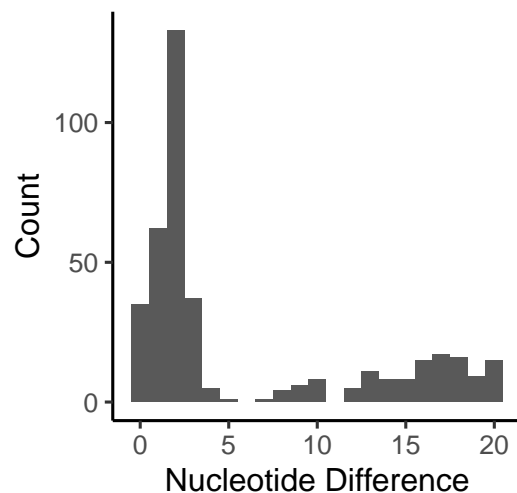
IGHV2-26*01

27 sequences assigned
9 (33.3%) exact matches, in which:
8 unique CDR3
3 unique J



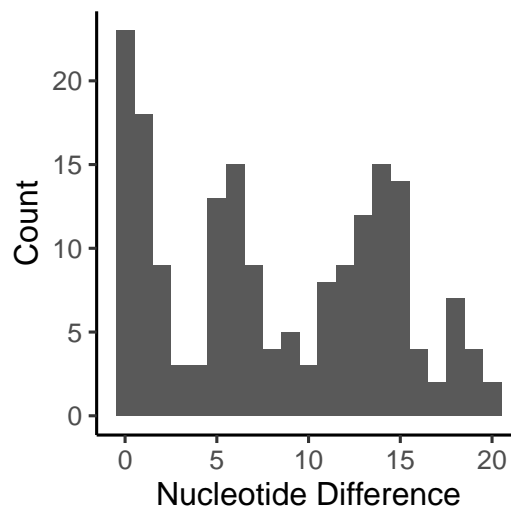
IGHV1-69*09

761 sequences assigned
35 (4.6%) exact matches, in which:
35 unique CDR3
4 unique J



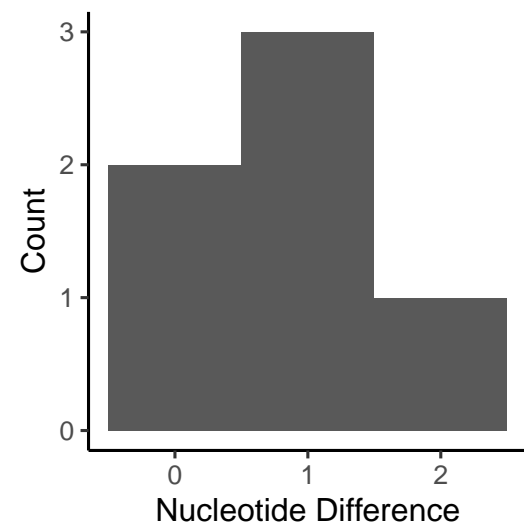
IGHV2-5*01

215 sequences assigned
23 (10.7%) exact matches, in which:
21 unique CDR3
5 unique J



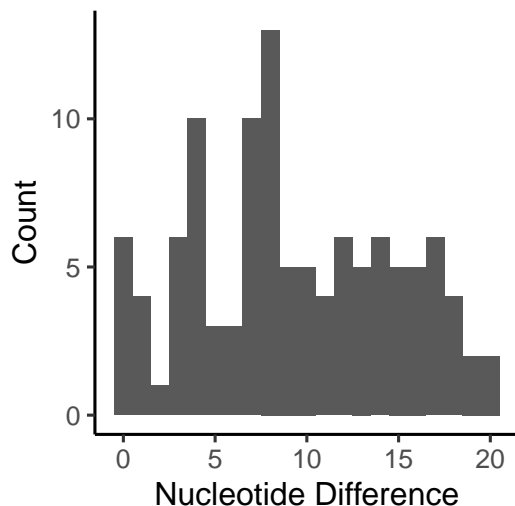
IGHV2-26*04

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



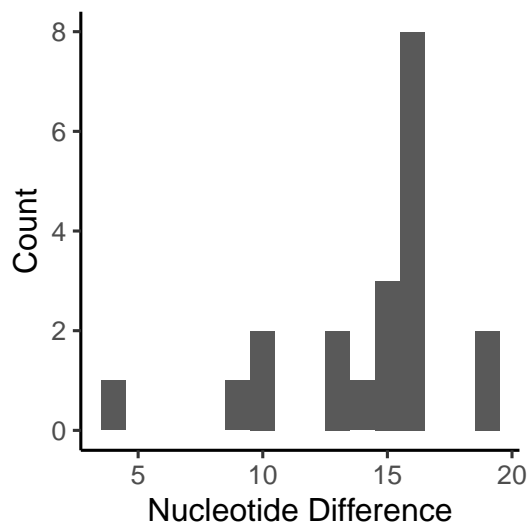
IGHV2-70*15

129 sequences assigned
6 (4.7%) exact matches, in which:
6 unique CDR3
2 unique J



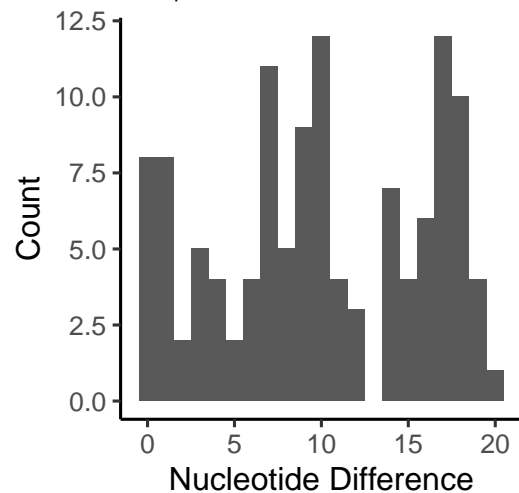
IGHV3-9*01

44 sequences assigned
No exact matches.



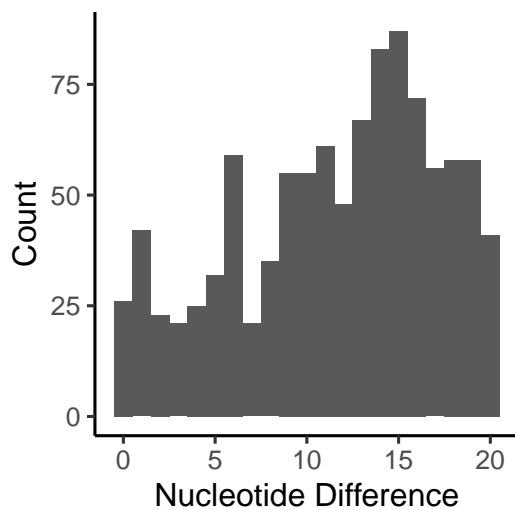
IGHV3-11*06

192 sequences assigned
8 (4.2%) exact matches, in which:
8 unique CDR3
1 unique J



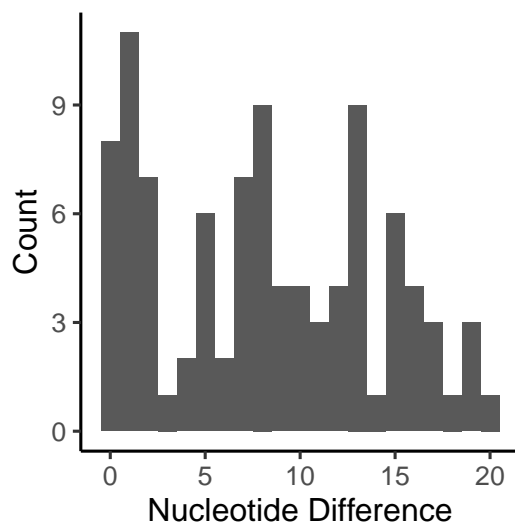
IGHV3-7*01

1272 sequences assigned
26 (2%) exact matches, in which:
22 unique CDR3
4 unique J



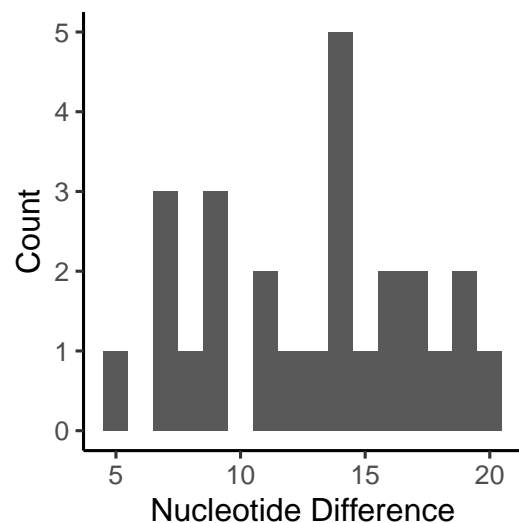
IGHV3-9*03

104 sequences assigned
8 (7.7%) exact matches, in which:
6 unique CDR3
4 unique J



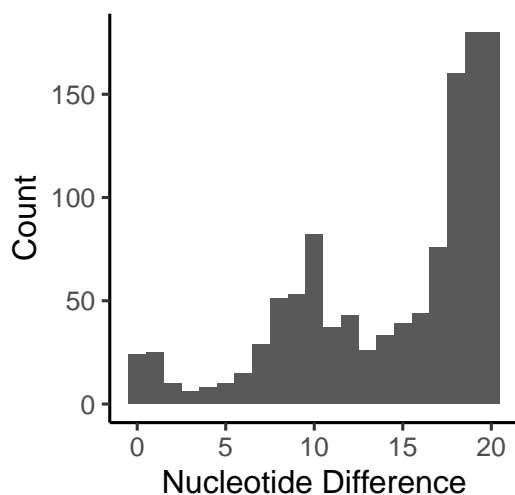
IGHV3-13*01

28 sequences assigned
No exact matches.



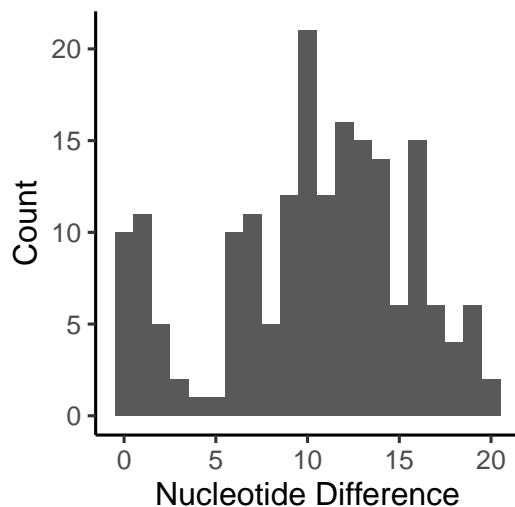
IGHV3-7*03

1731 sequences assigned
24 (1.4%) exact matches, in which:
18 unique CDR3
5 unique J



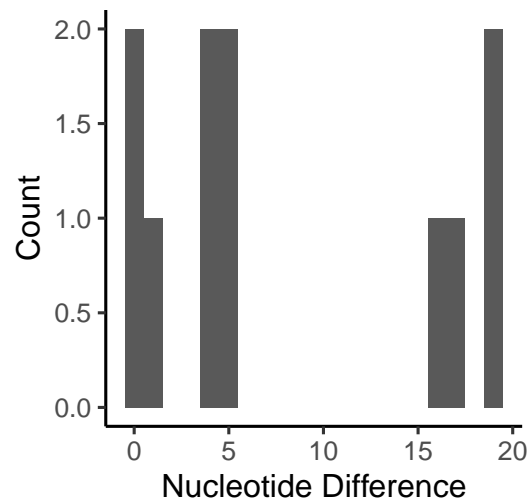
IGHV3-11*04

235 sequences assigned
10 (4.3%) exact matches, in which:
10 unique CDR3
3 unique J



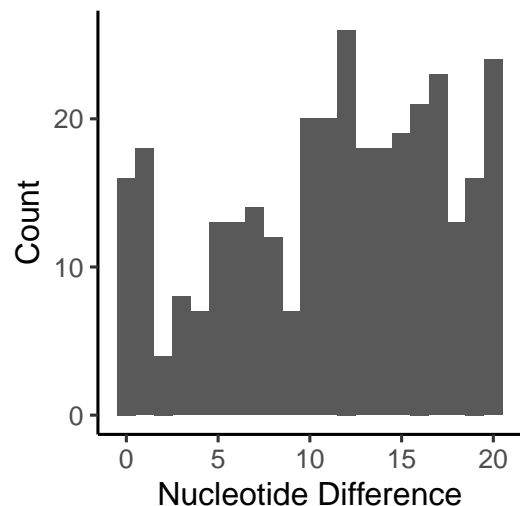
IGHV3-13*05

16 sequences assigned
2 (12.5%) exact matches, in which:
2 unique CDR3
2 unique J



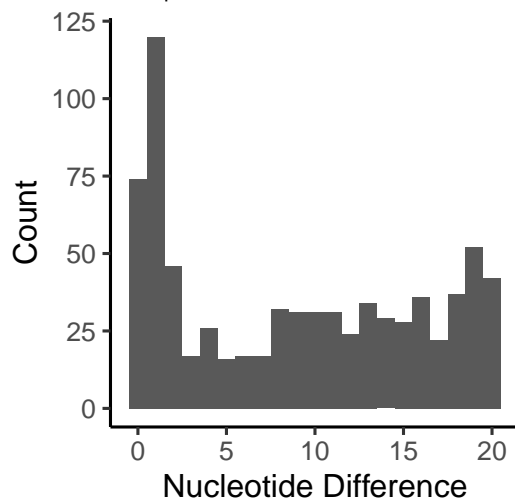
IGHV3-15*01

515 sequences assigned
16 (3.1%) exact matches, in which:
15 unique CDR3
5 unique J



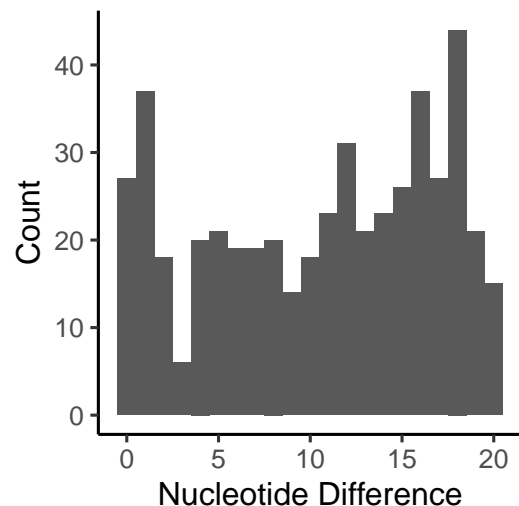
IGHV3-23*04

1257 sequences assigned
74 (5.9%) exact matches, in which:
57 unique CDR3
4 unique J



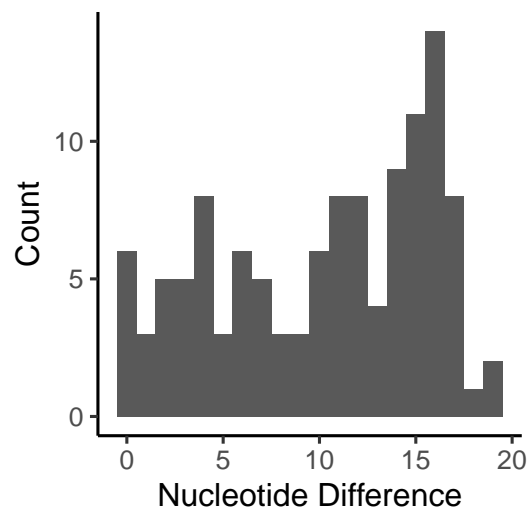
IGHV3-33*08

719 sequences assigned
27 (3.8%) exact matches, in which:
23 unique CDR3
5 unique J



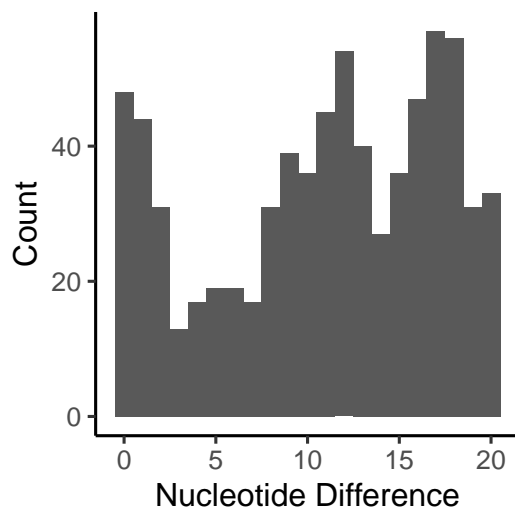
IGHV3-20*04

153 sequences assigned
6 (3.9%) exact matches, in which:
6 unique CDR3
3 unique J



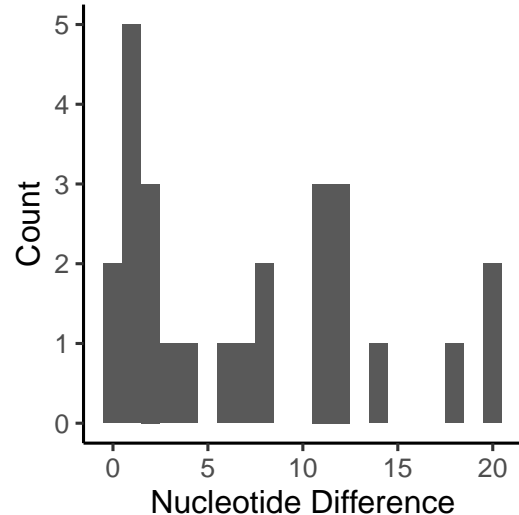
IGHV3-30-3*01

1042 sequences assigned
48 (4.6%) exact matches, in which:
39 unique CDR3
4 unique J



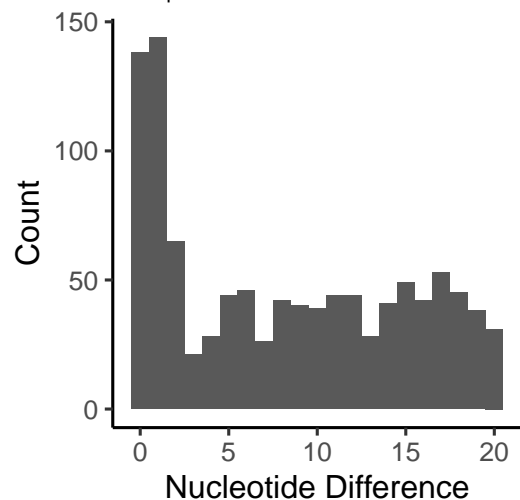
IGHV3-43*01

64 sequences assigned
2 (3.1%) exact matches, in which:
2 unique CDR3
2 unique J



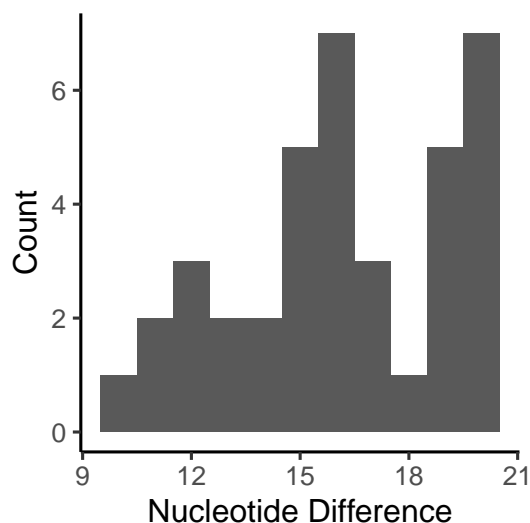
IGHV3-21*01

1356 sequences assigned
138 (10.2%) exact matches, in which:
91 unique CDR3
7 unique J



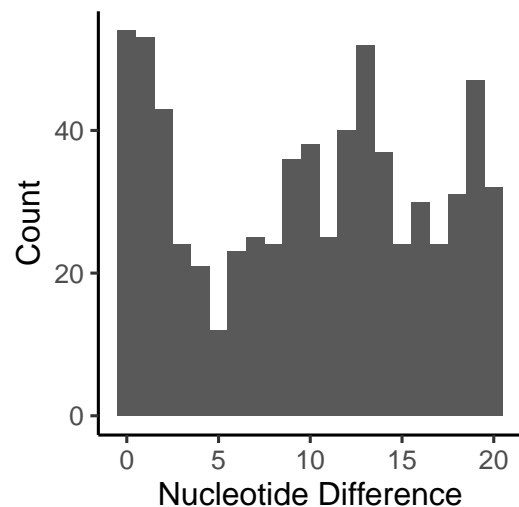
IGHV3-30*04

125 sequences assigned
No exact matches.



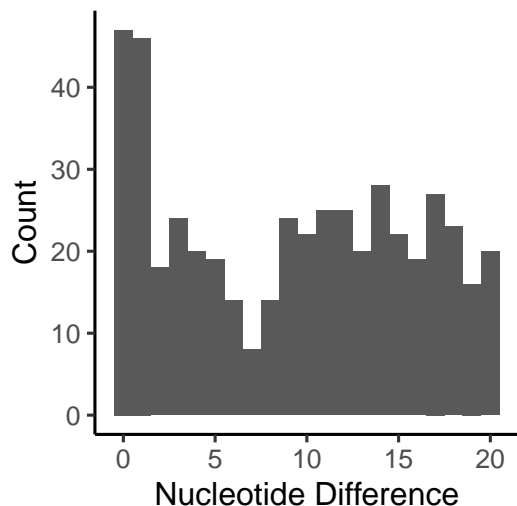
IGHV3-48*03

1021 sequences assigned
54 (5.3%) exact matches, in which:
42 unique CDR3
5 unique J



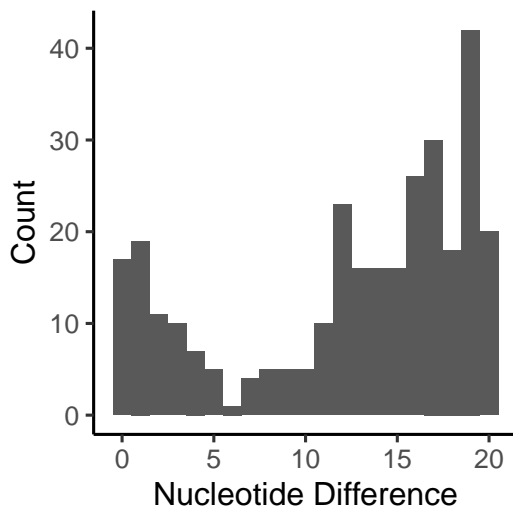
IGHV3-48*04

763 sequences assigned
47 (6.2%) exact matches, in which:
39 unique CDR3
6 unique J



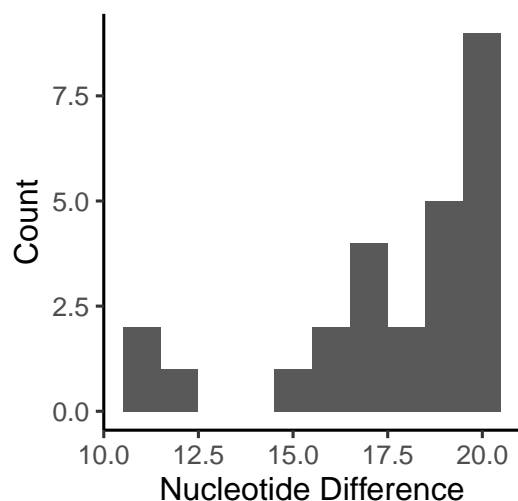
IGHV3-53*02

513 sequences assigned
17 (3.3%) exact matches, in which:
17 unique CDR3
3 unique J



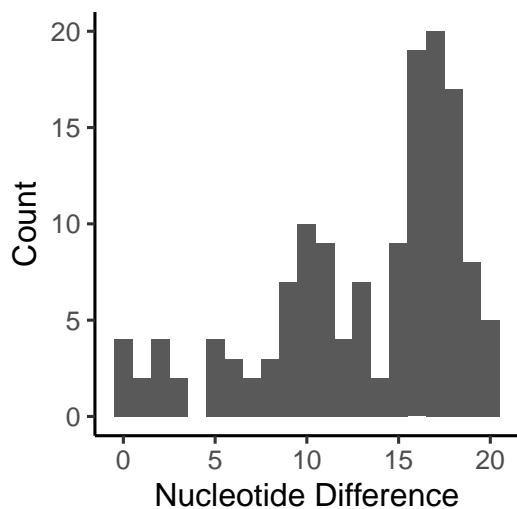
IGHV3-64*07

37 sequences assigned
No exact matches.



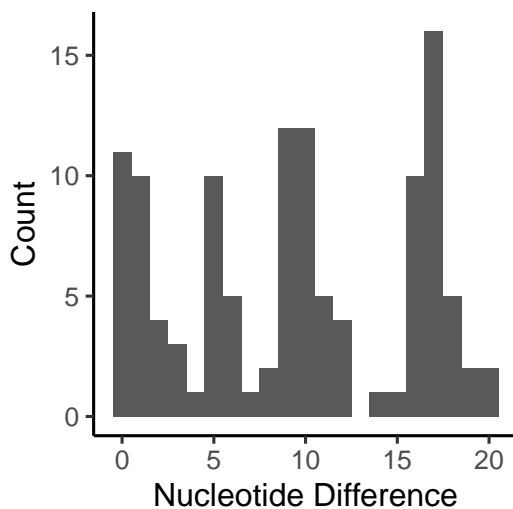
IGHV3-49*03

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



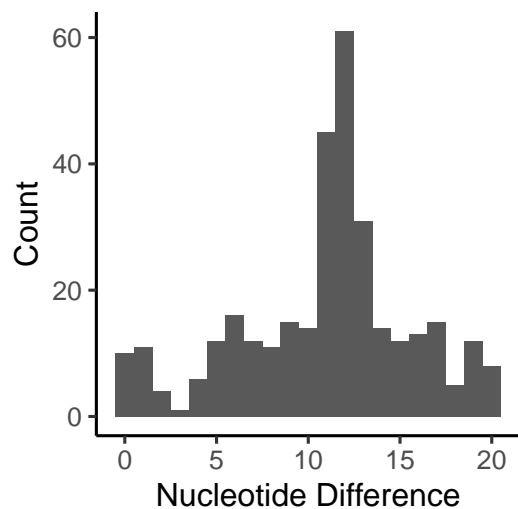
IGHV3-53*04

149 sequences assigned
11 (7.4%) exact matches, in which:
11 unique CDR3
5 unique J



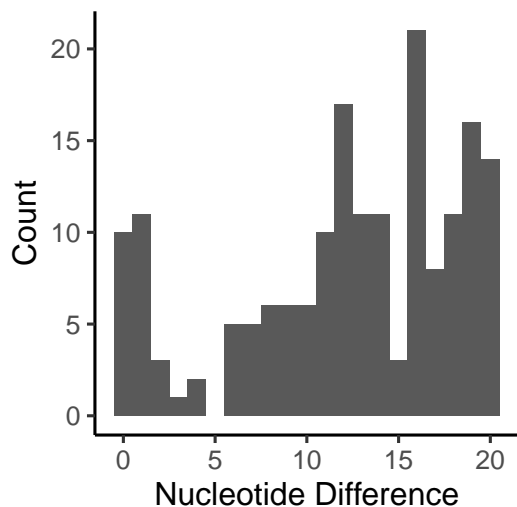
IGHV3-66*01

501 sequences assigned
10 (2%) exact matches, in which:
8 unique CDR3
3 unique J



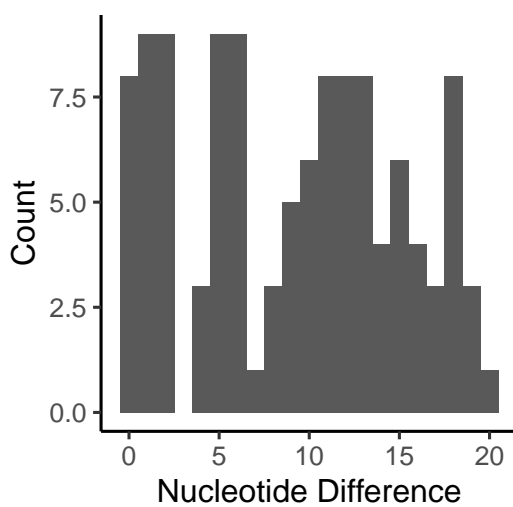
IGHV3-49*04

224 sequences assigned
10 (4.5%) exact matches, in which:
7 unique CDR3
3 unique J



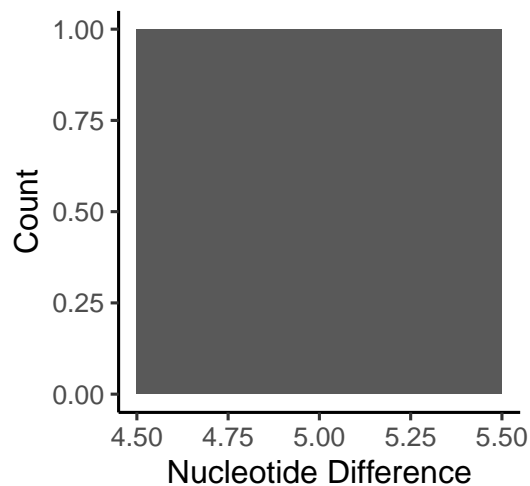
IGHV3-64*01

157 sequences assigned
8 (5.1%) exact matches, in which:
6 unique CDR3
1 unique J



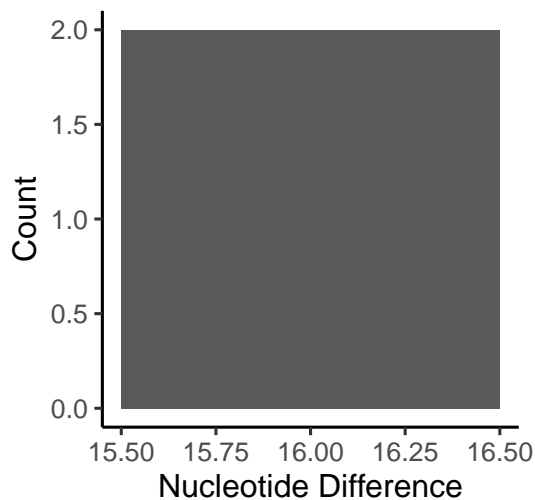
IGHV3-69-1*01

5 sequences assigned
No exact matches.



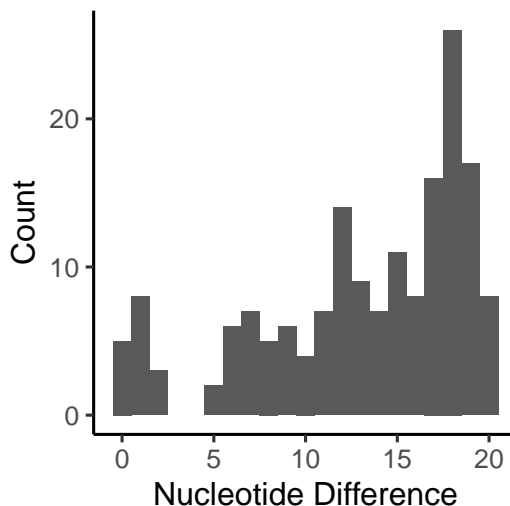
IGHV3-69-1*02

2 sequences assigned
No exact matches.



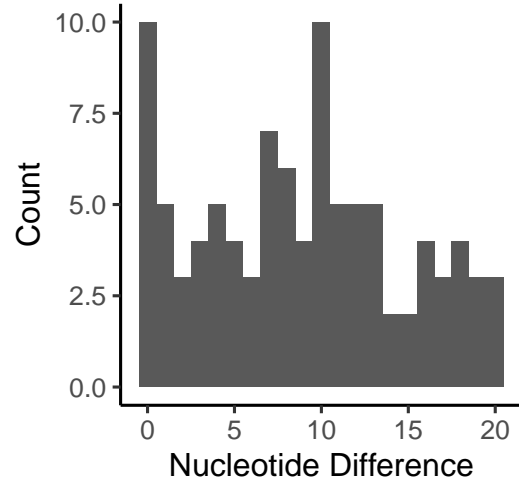
IGHV3-73*02

232 sequences assigned
5 (2.2%) exact matches, in which:
5 unique CDR3
3 unique J



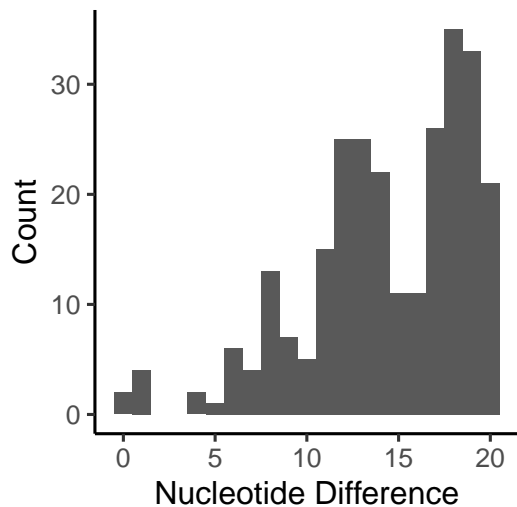
IGHV3-64D*06

130 sequences assigned
10 (7.7%) exact matches, in which:
9 unique CDR3
2 unique J



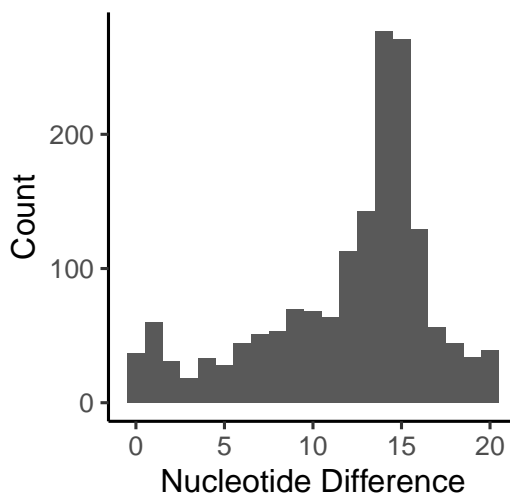
IGHV3-72*01

406 sequences assigned
2 (0.5%) exact matches, in which:
2 unique CDR3
1 unique J



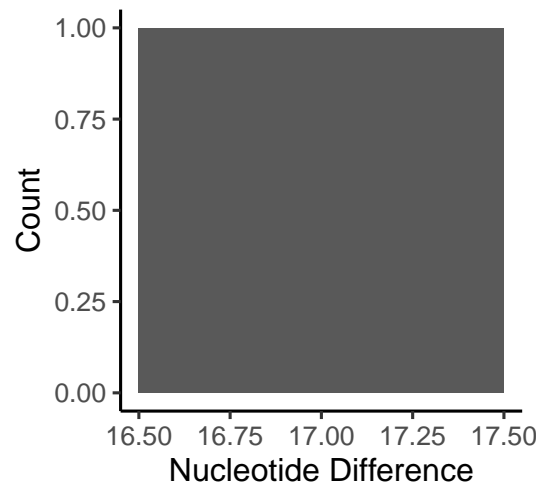
IGHV3-74*01

2192 sequences assigned
37 (1.7%) exact matches, in which:
28 unique CDR3
4 unique J



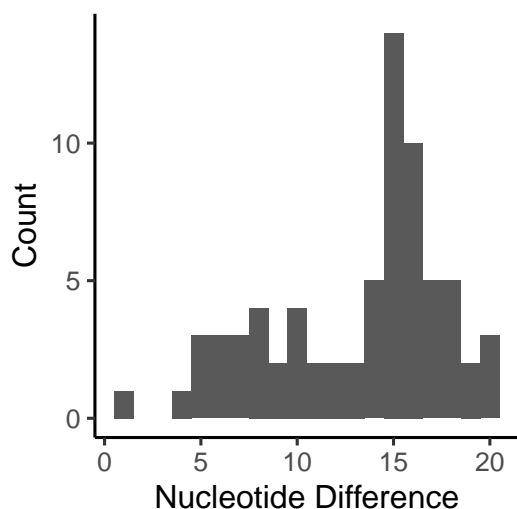
IGHV3-NL1*01

2 sequences assigned
No exact matches.



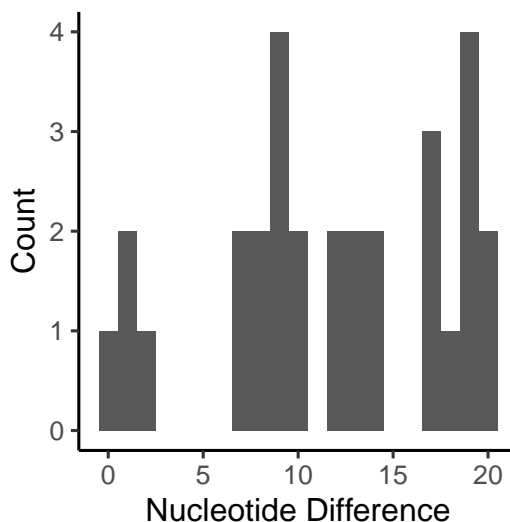
IGHV3-73*01

108 sequences assigned
No exact matches.



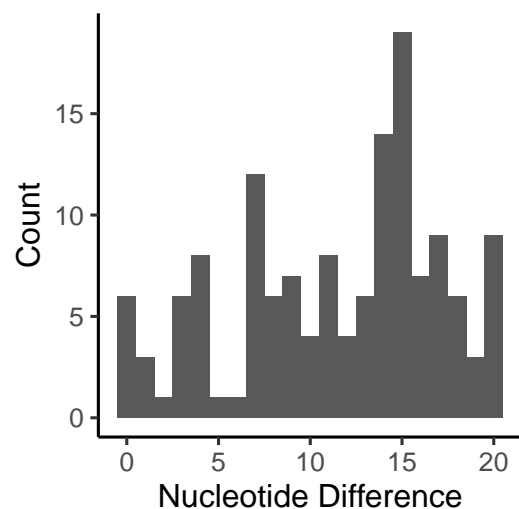
IGHV3-43D*04

57 sequences assigned
1 (1.8%) exact matches, in which:
1 unique CDR3
1 unique J



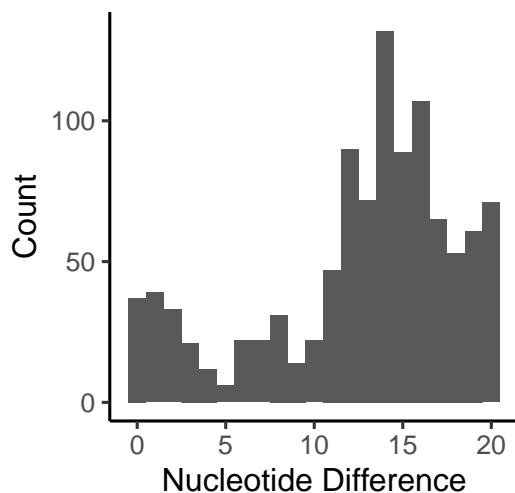
IGHV4-4*02

278 sequences assigned
6 (2.2%) exact matches, in which:
5 unique CDR3
4 unique J



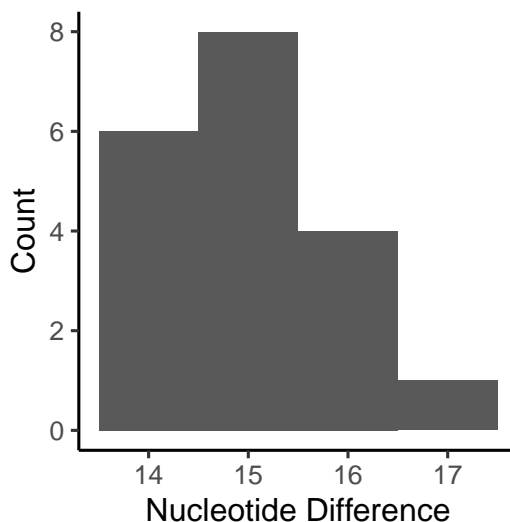
IGHV4-4*07

1496 sequences assigned
37 (2.5%) exact matches, in which:
32 unique CDR3
5 unique J



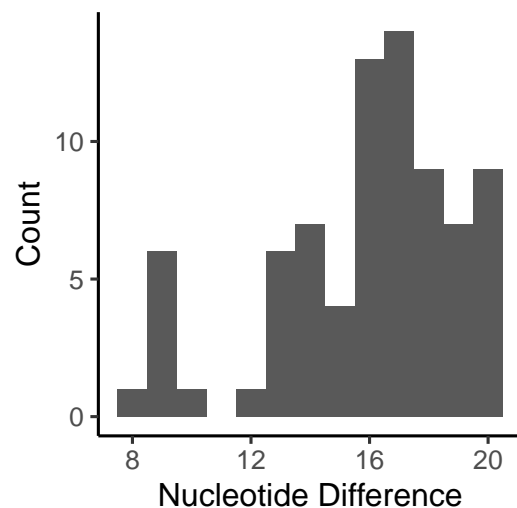
IGHV4-30-4*01

52 sequences assigned
No exact matches.



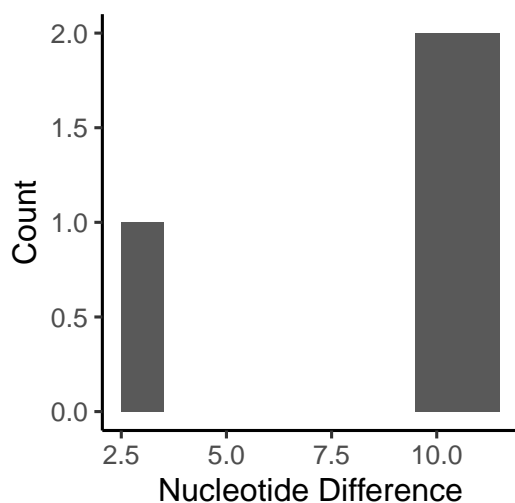
IGHV4-34*02

267 sequences assigned
No exact matches.



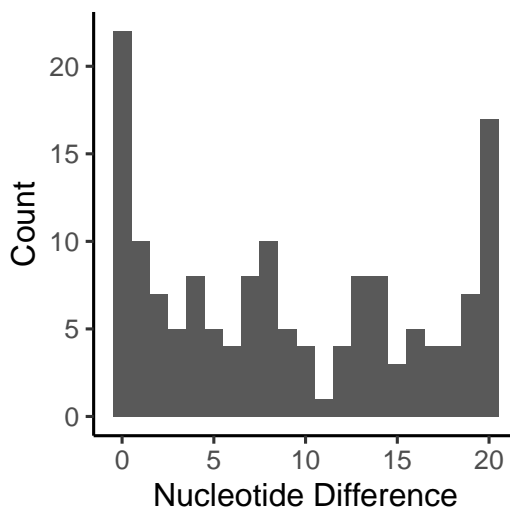
IGHV4-4*09

16 sequences assigned
No exact matches.



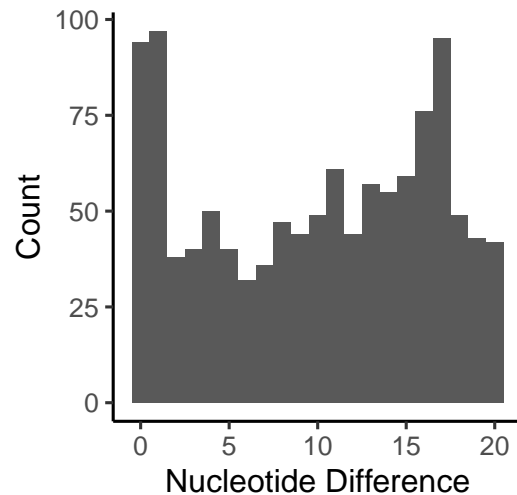
IGHV4-30-4*08

246 sequences assigned
22 (8.9%) exact matches, in which:
21 unique CDR3
3 unique J



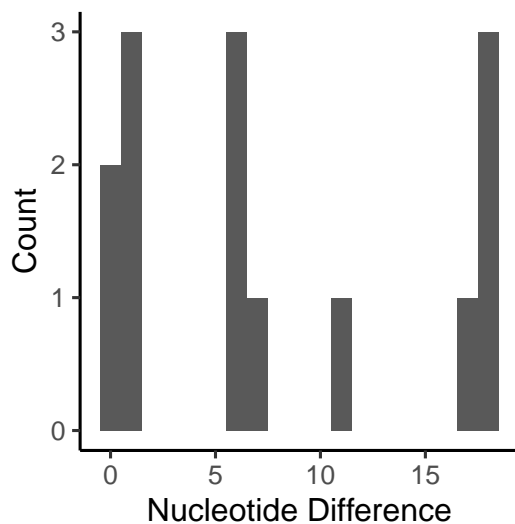
IGHV4-38-2*01

1846 sequences assigned
94 (5.1%) exact matches, in which:
73 unique CDR3
5 unique J



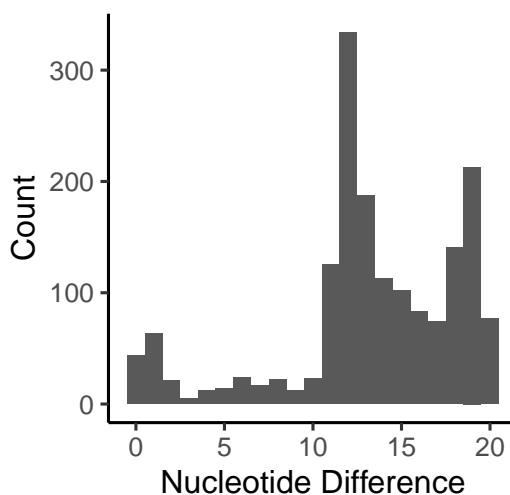
IGHV4-28*07

14 sequences assigned
2 (14.3%) exact matches, in which:
1 unique CDR3
1 unique J



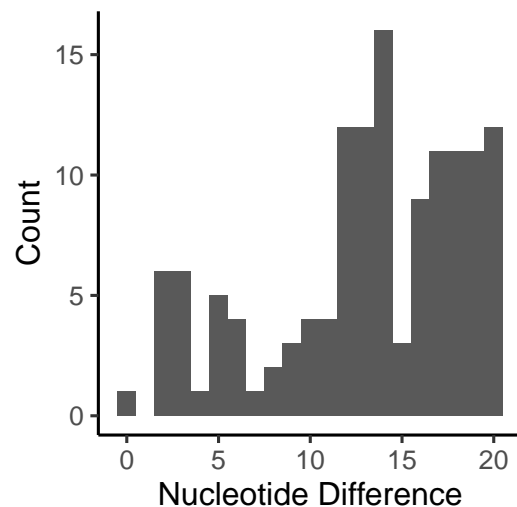
IGHV4-34*01

2687 sequences assigned
44 (1.6%) exact matches, in which:
37 unique CDR3
6 unique J



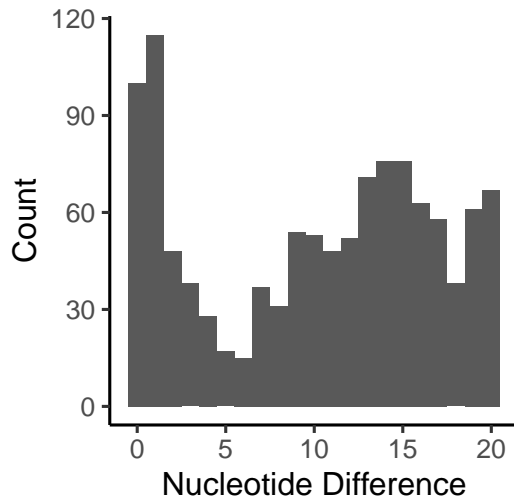
IGHV4-38-2*02

248 sequences assigned
1 (0.4%) exact matches, in which:
1 unique CDR3
1 unique J



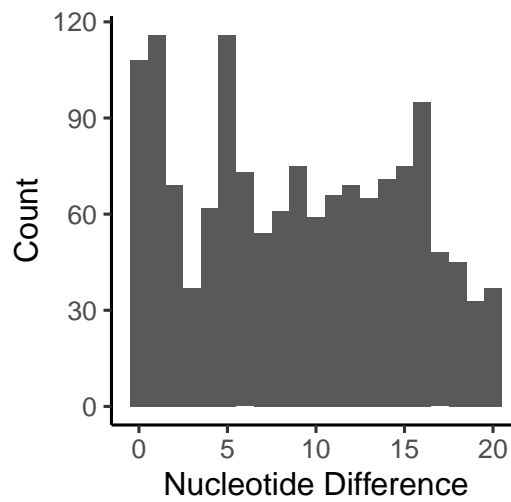
IGHV4–39*01

1959 sequences assigned
100 (5.1%) exact matches, in which:
82 unique CDR3
5 unique J



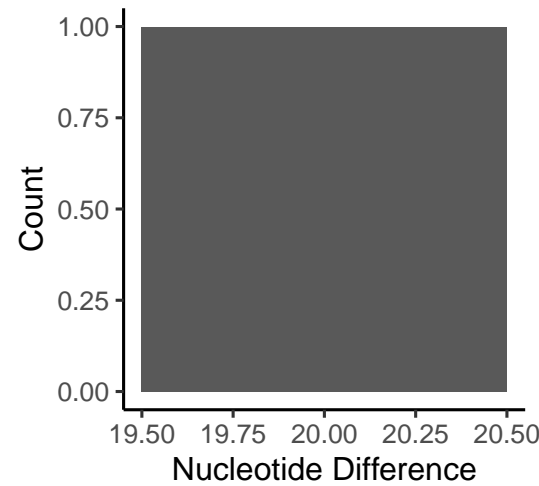
IGHV4–59*08

2061 sequences assigned
108 (5.2%) exact matches, in which:
81 unique CDR3
7 unique J



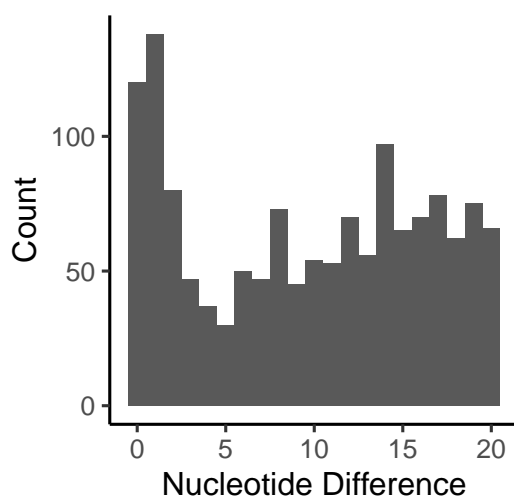
IGHV4–61*07

1 sequences assigned
No exact matches.



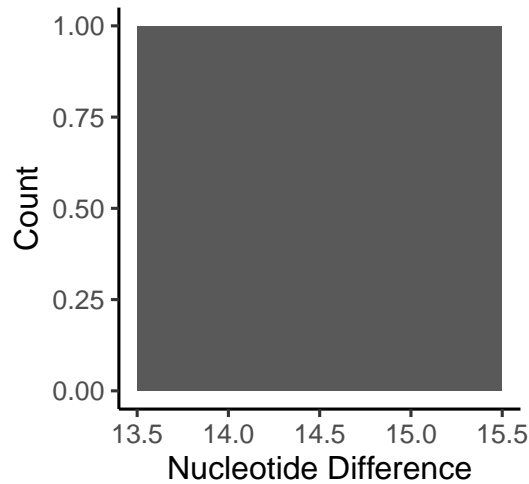
IGHV4–39*07

2248 sequences assigned
120 (5.3%) exact matches, in which:
103 unique CDR3
6 unique J



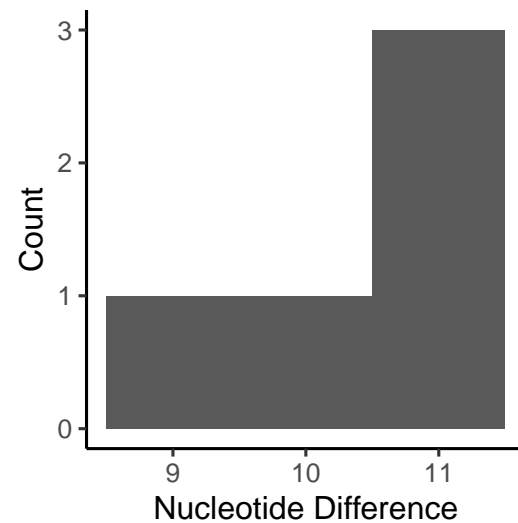
IGHV4–61*01

6 sequences assigned
No exact matches.



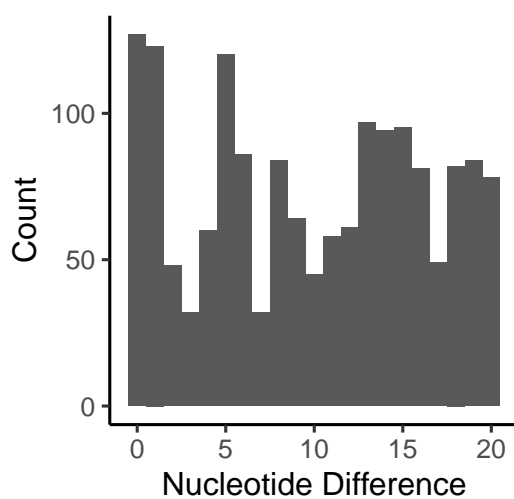
IGHV4–61*08

9 sequences assigned
No exact matches.



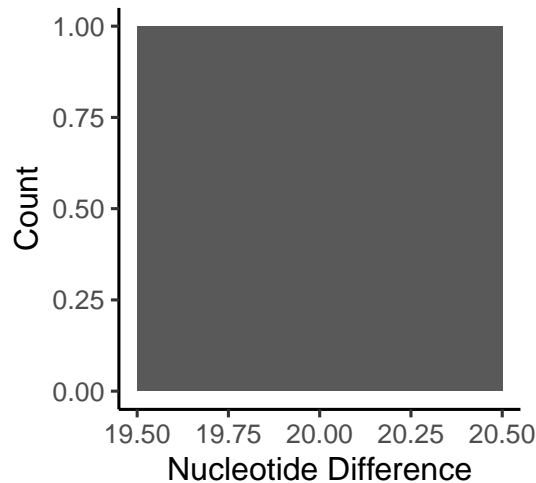
IGHV4–59*01

2252 sequences assigned
127 (5.6%) exact matches, in which:
95 unique CDR3
7 unique J



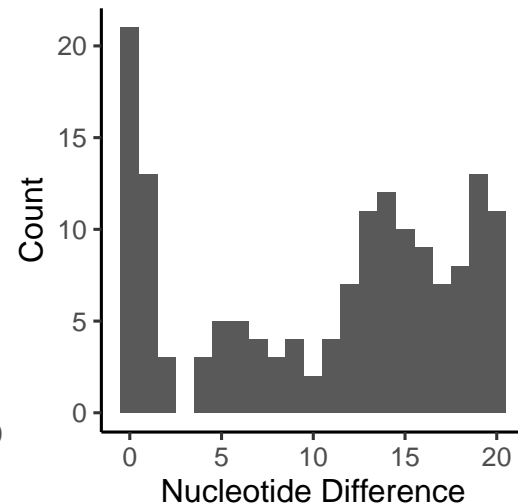
IGHV4–61*05

4 sequences assigned
No exact matches.



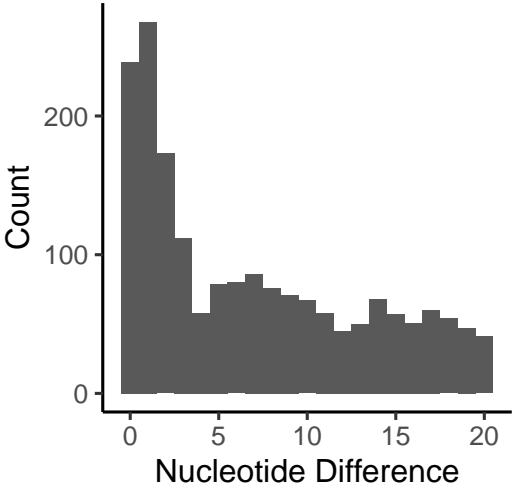
IGHV5–10–1*03

232 sequences assigned
21 (9.1%) exact matches, in which:
17 unique CDR3
5 unique J



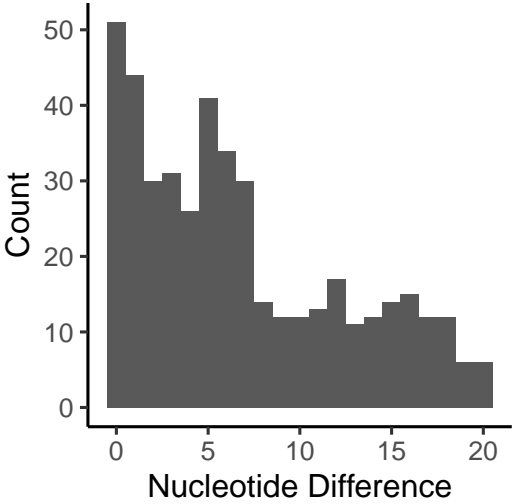
IGHV5-51*01

2278 sequences assigned
239 (10.5%) exact matches, in which:
175 unique CDR3
7 unique J



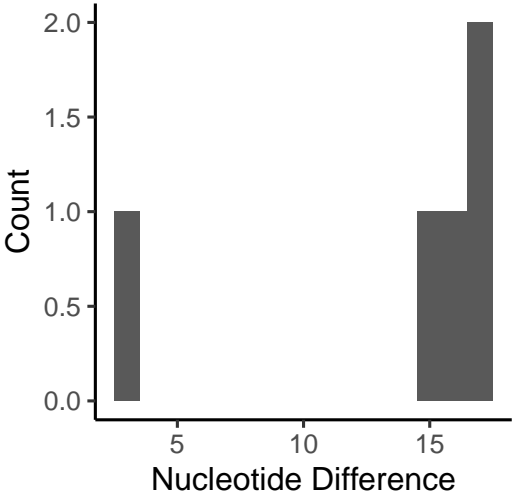
IGHV6-1*01

608 sequences assigned
51 (8.4%) exact matches, in which:
41 unique CDR3
6 unique J

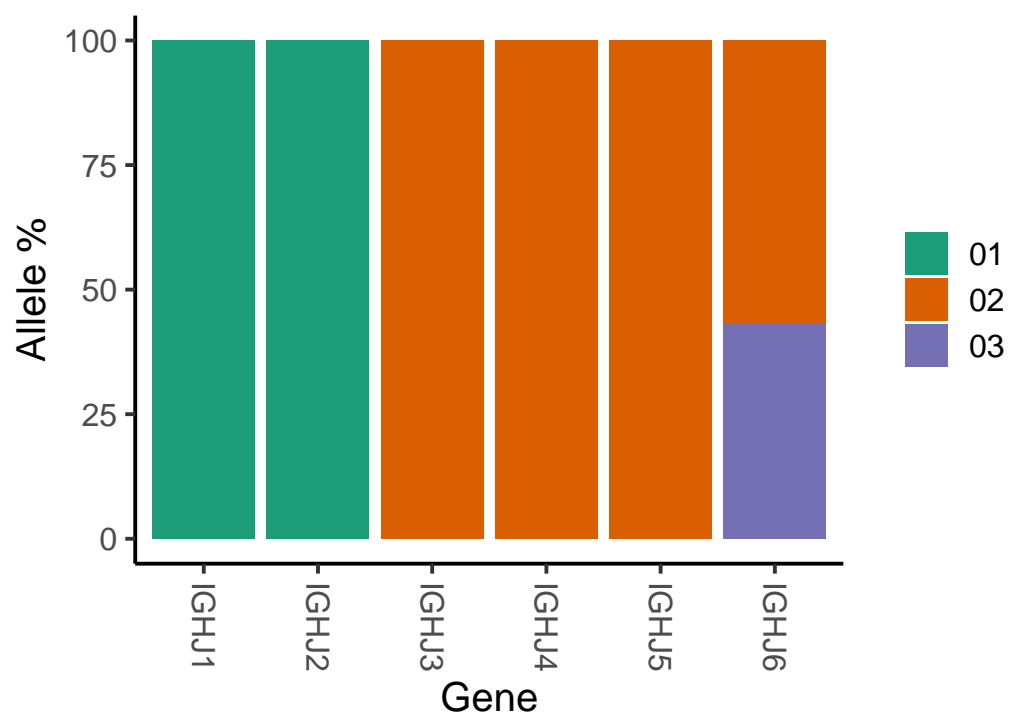


IGHV7-4-1*01

6 sequences assigned
No exact matches.



Allele Usage



Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.