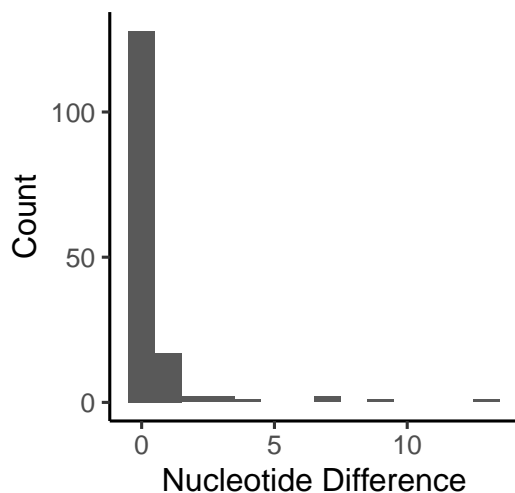


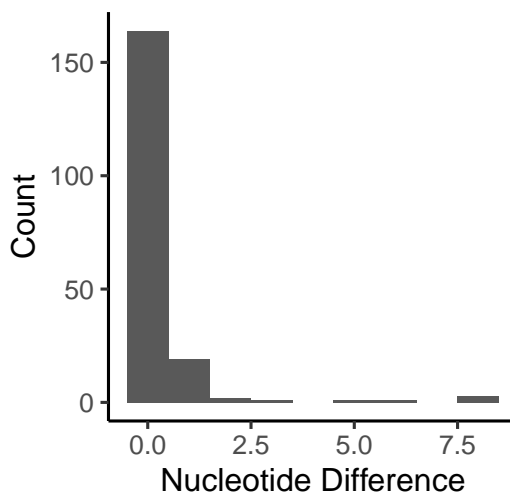
IGHV1-2*04

154 sequences assigned
128 (83.1%) exact matches, in which:
128 unique CDR3
6 unique J



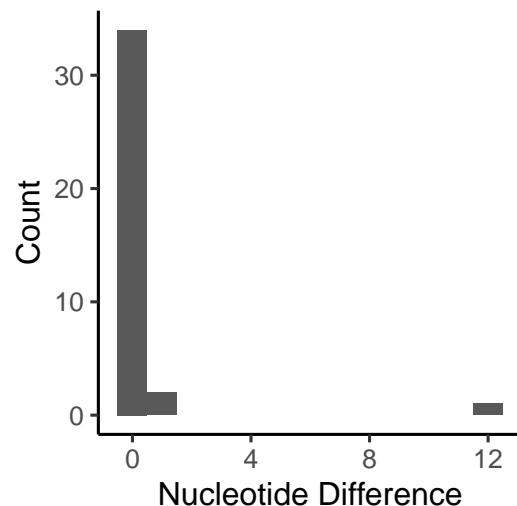
IGHV1-24*01

191 sequences assigned
164 (85.9%) exact matches, in which:
164 unique CDR3
6 unique J



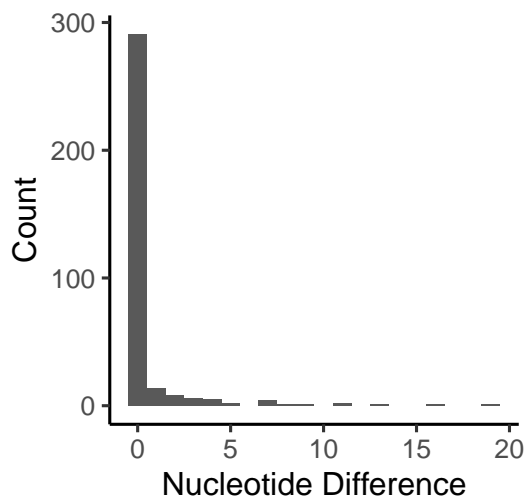
IGHV1-46*04

41 sequences assigned
34 (82.9%) exact matches, in which:
34 unique CDR3
5 unique J



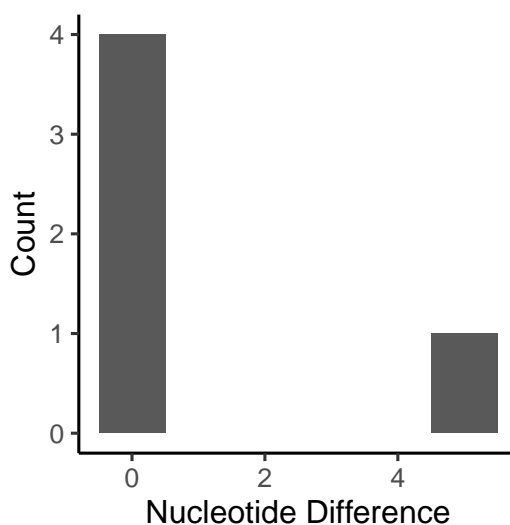
IGHV1-3*01

339 sequences assigned
291 (85.8%) exact matches, in which:
291 unique CDR3
6 unique J



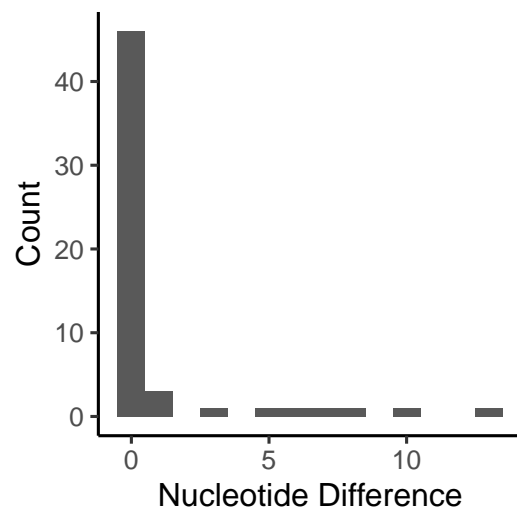
IGHV1-45*02

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
2 unique J



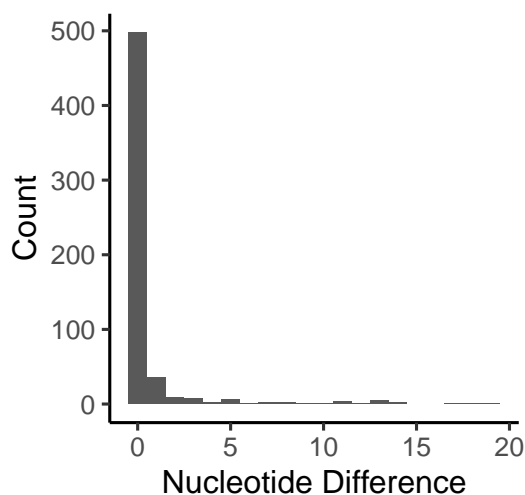
IGHV1-58*01

56 sequences assigned
46 (82.1%) exact matches, in which:
46 unique CDR3
6 unique J



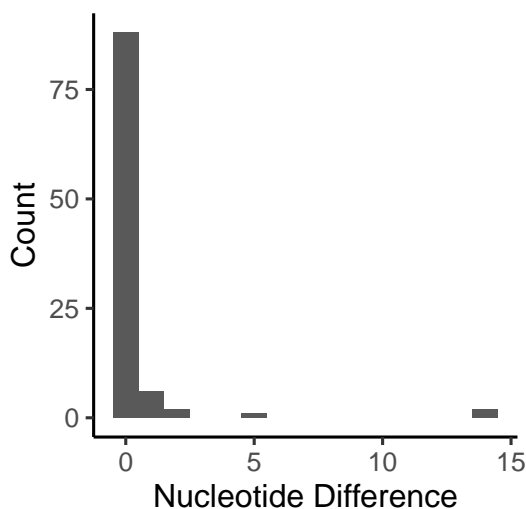
IGHV1-18*04

581 sequences assigned
498 (85.7%) exact matches, in which:
497 unique CDR3
6 unique J



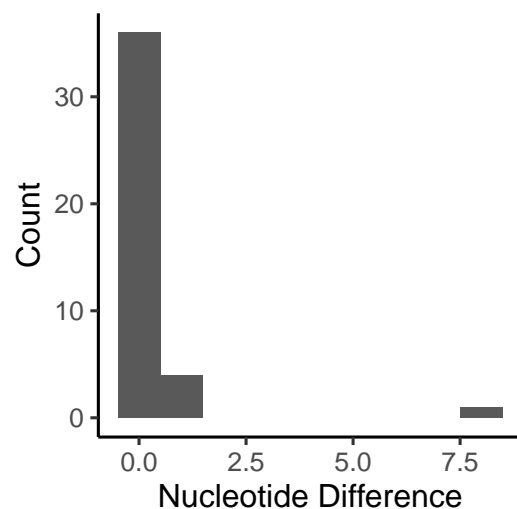
IGHV1-46*01

100 sequences assigned
88 (88%) exact matches, in which:
88 unique CDR3
6 unique J



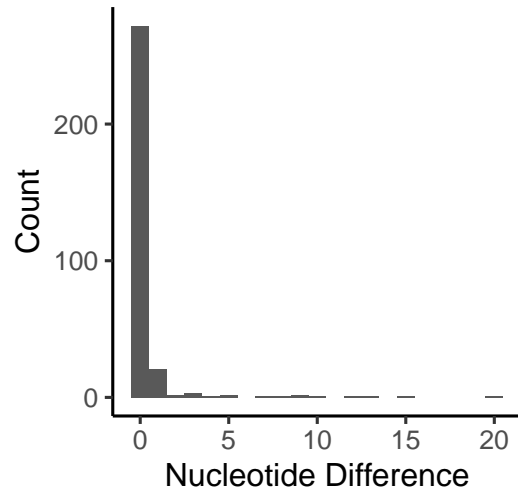
IGHV1-69-2*01

41 sequences assigned
36 (87.8%) exact matches, in which:
36 unique CDR3
5 unique J



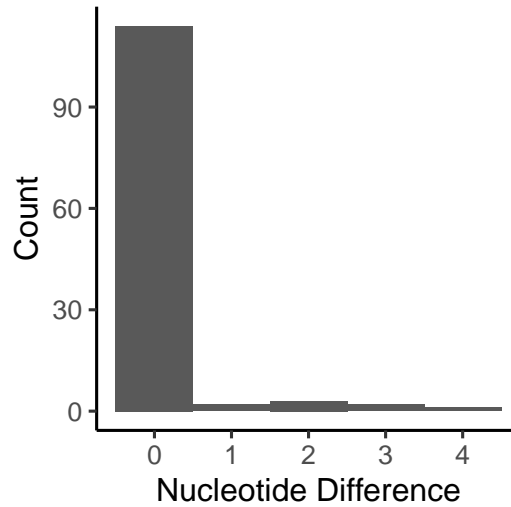
IGHV1–69*06

310 sequences assigned
272 (87.7%) exact matches, in which:
272 unique CDR3
6 unique J



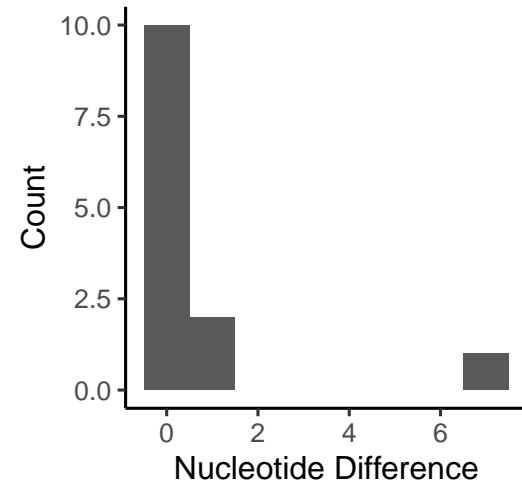
IGHV2–70*01

122 sequences assigned
114 (93.4%) exact matches, in which:
114 unique CDR3
6 unique J



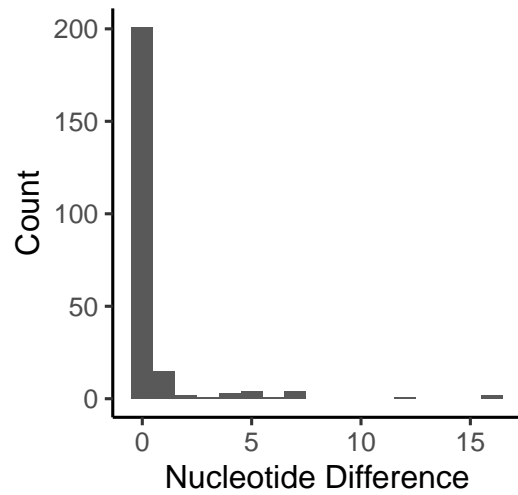
IGHV3–13*05

13 sequences assigned
10 (76.9%) exact matches, in which:
10 unique CDR3
4 unique J



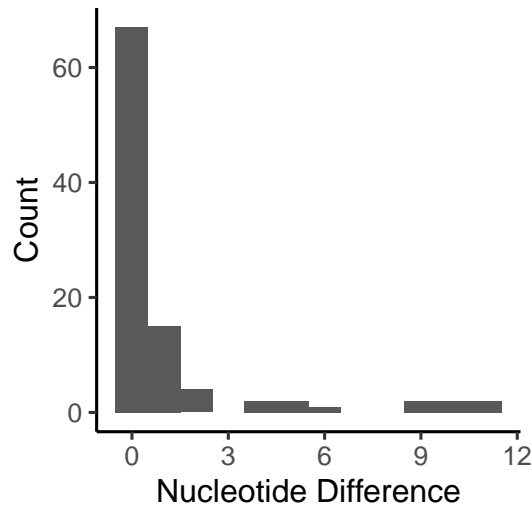
IGHV2–5*02

235 sequences assigned
201 (85.5%) exact matches, in which:
201 unique CDR3
6 unique J



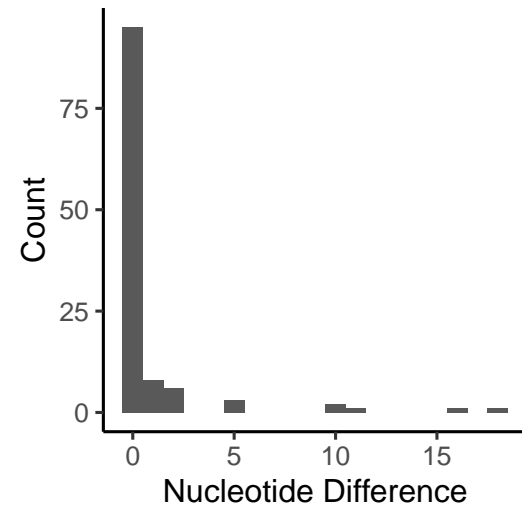
IGHV3–7*03

98 sequences assigned
67 (68.4%) exact matches, in which:
67 unique CDR3
5 unique J



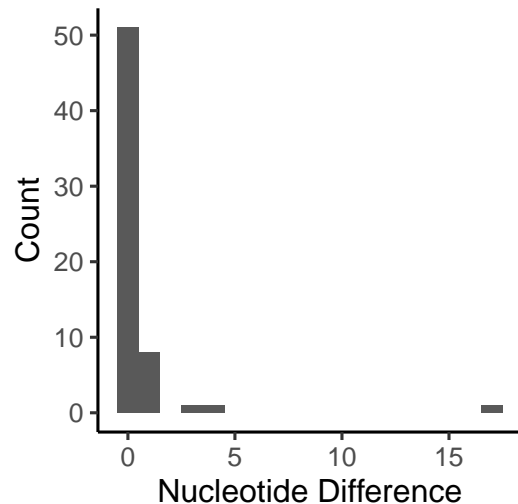
IGHV3–15*01

117 sequences assigned
95 (81.2%) exact matches, in which:
95 unique CDR3
5 unique J



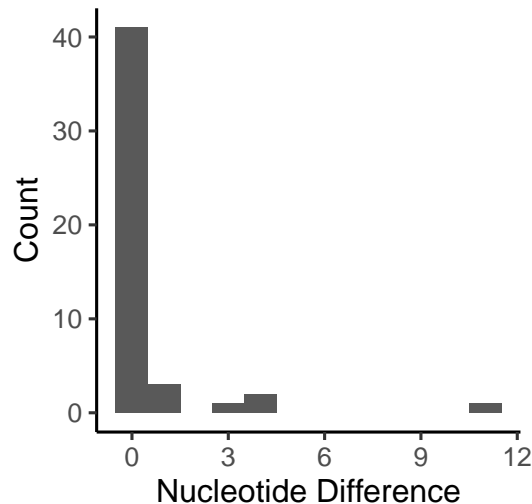
IGHV2–26*01

62 sequences assigned
51 (82.3%) exact matches, in which:
51 unique CDR3
6 unique J



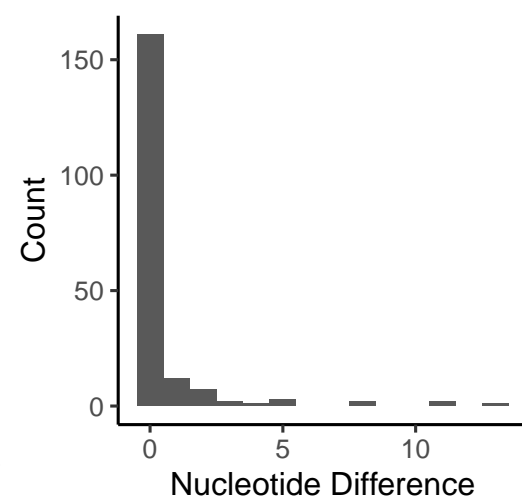
IGHV3–11*06

48 sequences assigned
41 (85.4%) exact matches, in which:
41 unique CDR3
5 unique J



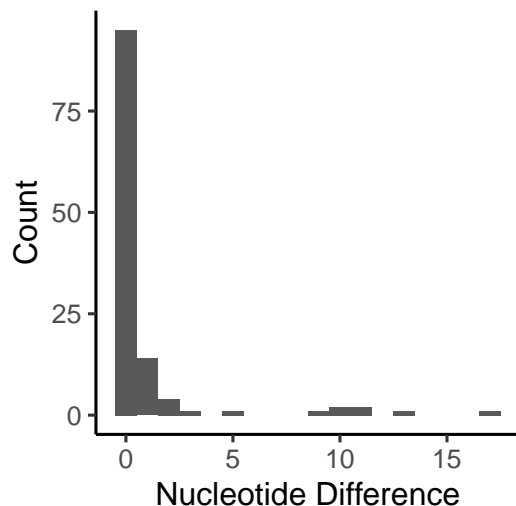
IGHV3–21*01

192 sequences assigned
161 (83.9%) exact matches, in which:
161 unique CDR3
6 unique J



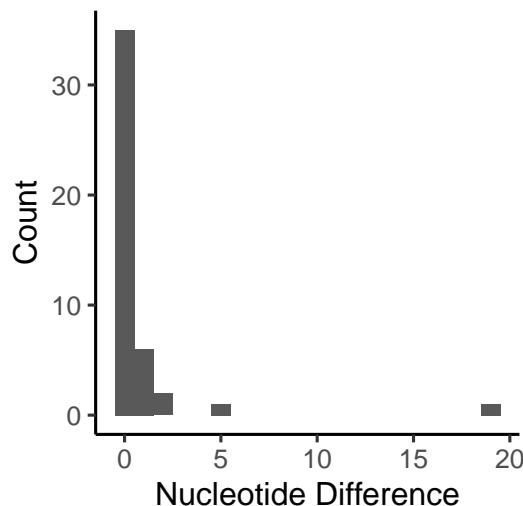
IGHV3-30-3*01

122 sequences assigned
95 (77.9%) exact matches, in which:
94 unique CDR3
5 unique J



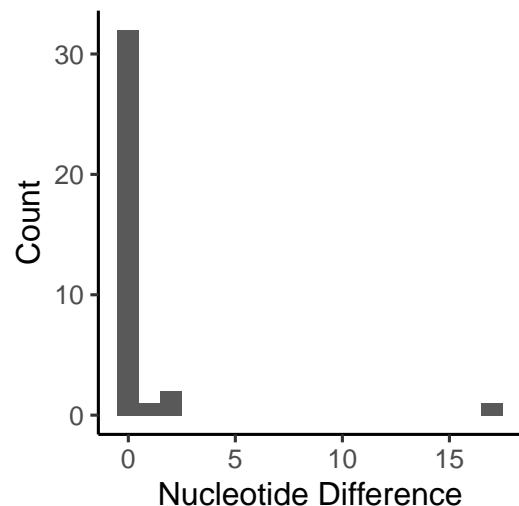
IGHV3-48*01

45 sequences assigned
35 (77.8%) exact matches, in which:
35 unique CDR3
5 unique J



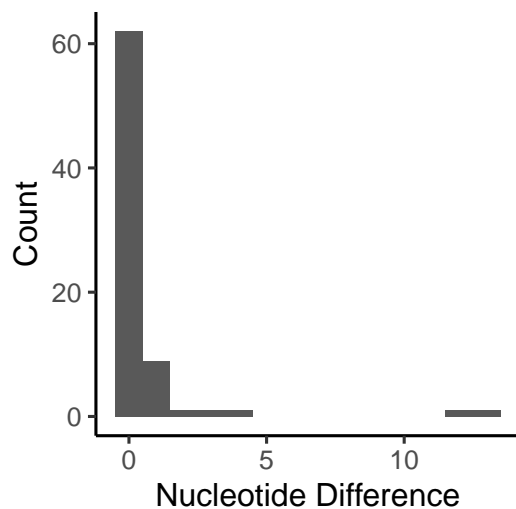
IGHV3-49*05

36 sequences assigned
32 (88.9%) exact matches, in which:
32 unique CDR3
5 unique J



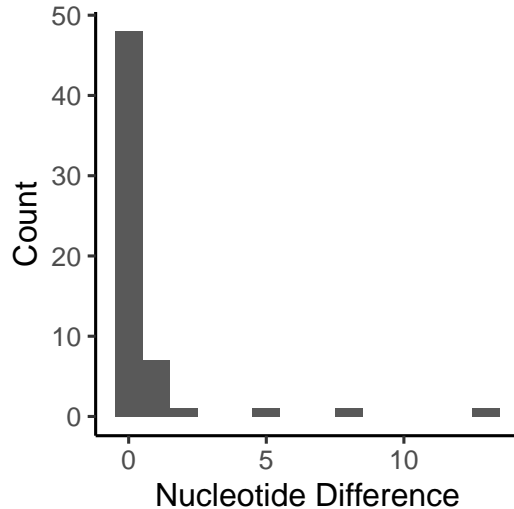
IGHV3-33*08

76 sequences assigned
62 (81.6%) exact matches, in which:
62 unique CDR3
6 unique J



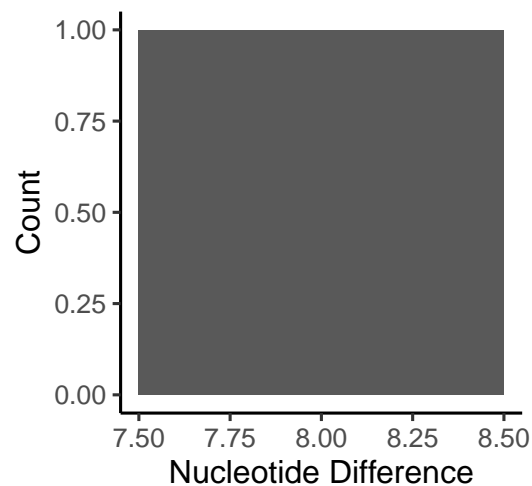
IGHV3-48*02

60 sequences assigned
48 (80%) exact matches, in which:
48 unique CDR3
6 unique J



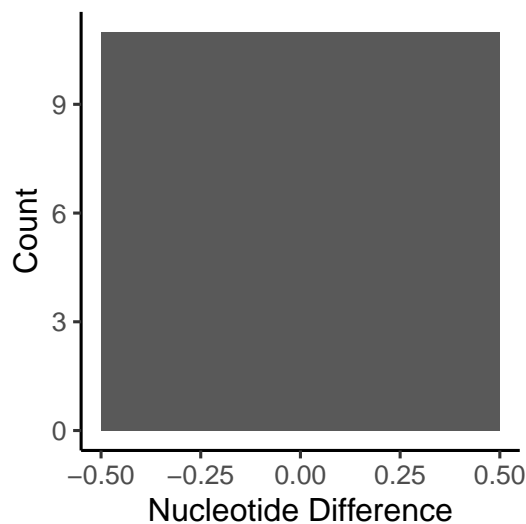
IGHV3-52*01

1 sequences assigned
No exact matches.



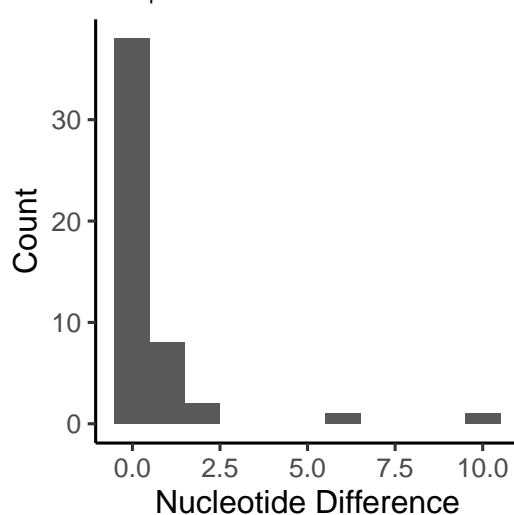
IGHV3-43*01

11 sequences assigned
11 (100%) exact matches, in which:
11 unique CDR3
3 unique J



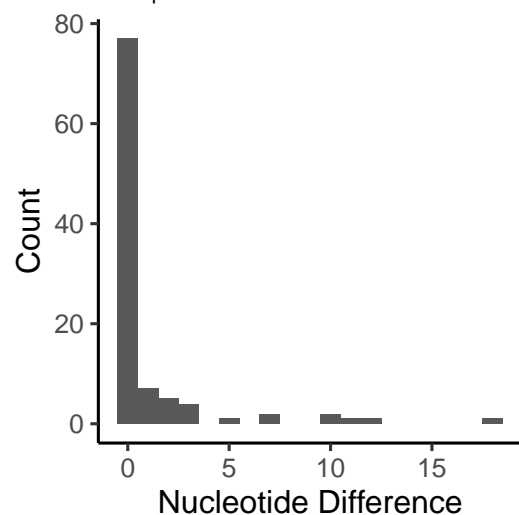
IGHV3-49*03

50 sequences assigned
38 (76%) exact matches, in which:
38 unique CDR3
6 unique J



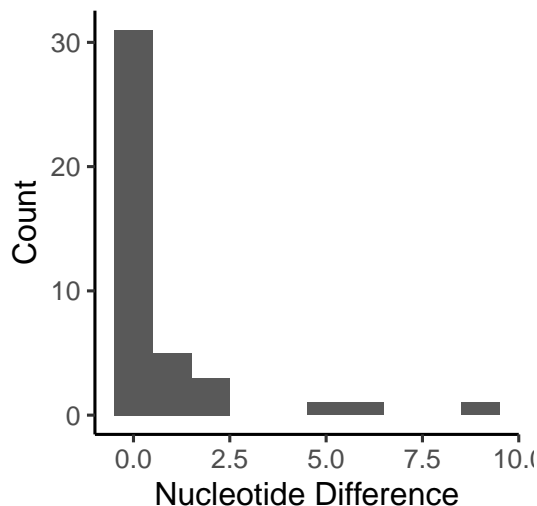
IGHV3-53*01

103 sequences assigned
77 (74.8%) exact matches, in which:
77 unique CDR3
6 unique J



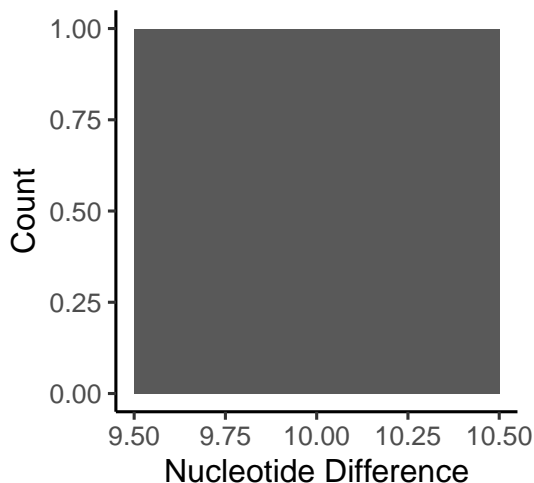
IGHV3-53*02

43 sequences assigned
31 (72.1%) exact matches, in which:
31 unique CDR3
5 unique J



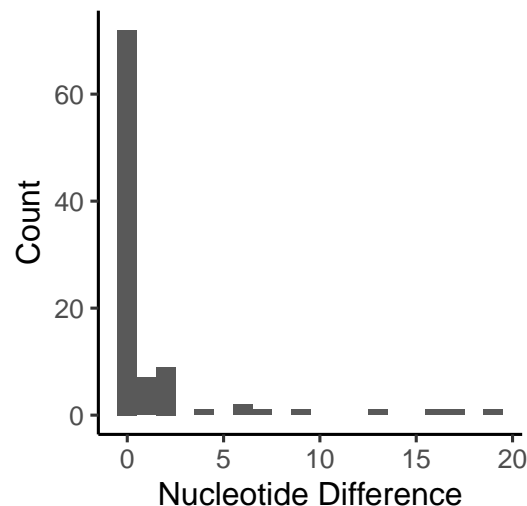
IGHV3-69-1*01

1 sequences assigned
No exact matches.



IGHV3-74*01

97 sequences assigned
72 (74.2%) exact matches, in which:
72 unique CDR3
6 unique J



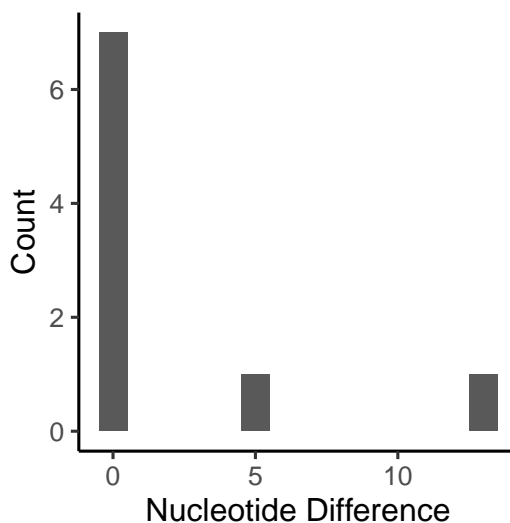
IGHV3-64*02

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



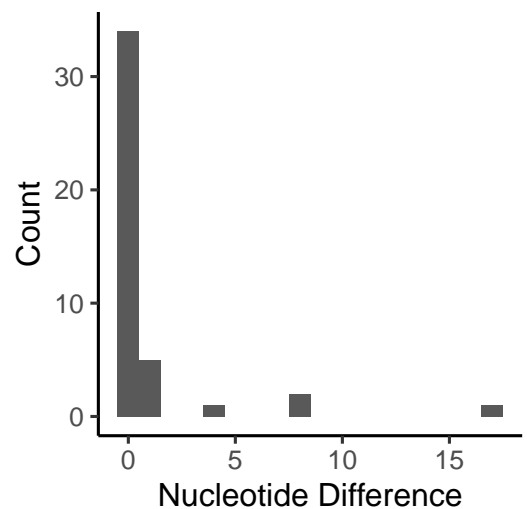
IGHV3-72*01

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
2 unique J



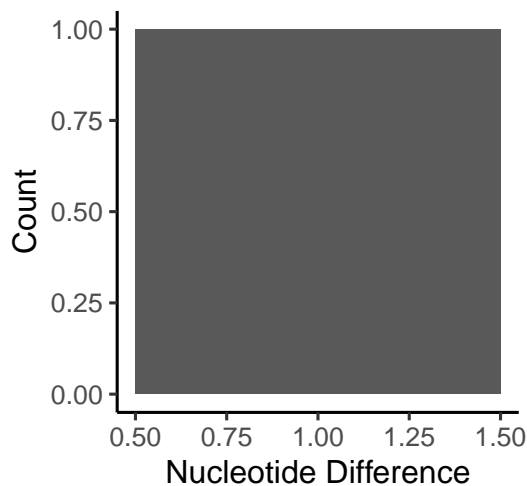
IGHV3-64D*06

43 sequences assigned
34 (79.1%) exact matches, in which:
34 unique CDR3
5 unique J



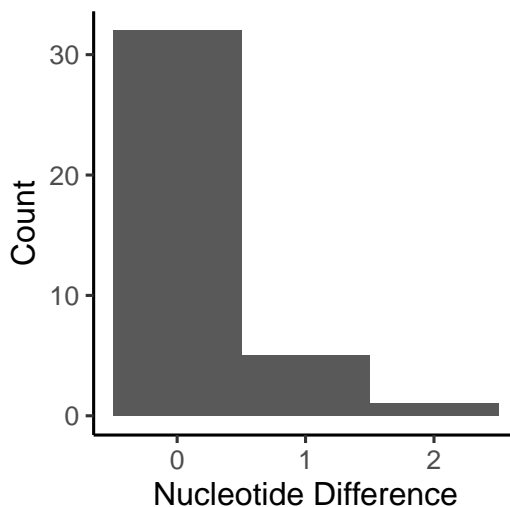
IGHV3-66*03

1 sequences assigned
No exact matches.



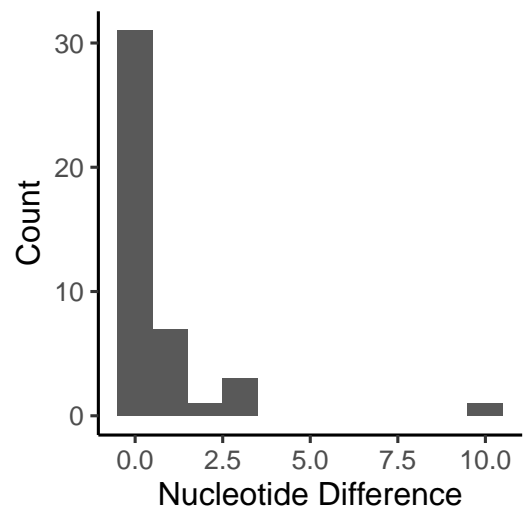
IGHV3-73*02

38 sequences assigned
32 (84.2%) exact matches, in which:
32 unique CDR3
5 unique J



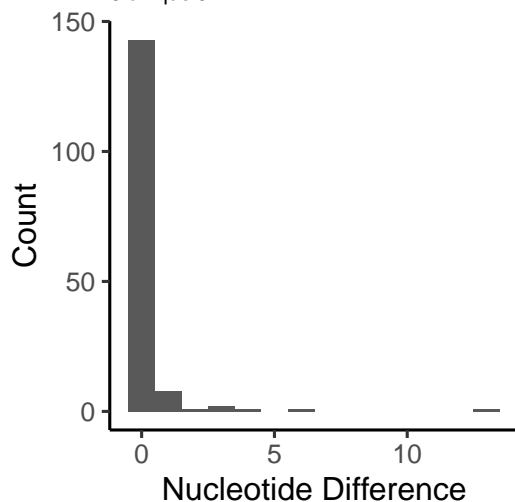
IGHV3-64D*09

44 sequences assigned
31 (70.5%) exact matches, in which:
31 unique CDR3
5 unique J



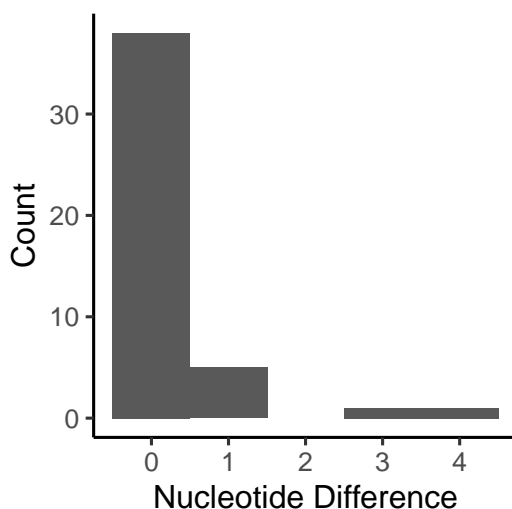
IGHV4-4*02

160 sequences assigned
143 (89.4%) exact matches, in which:
143 unique CDR3
6 unique J



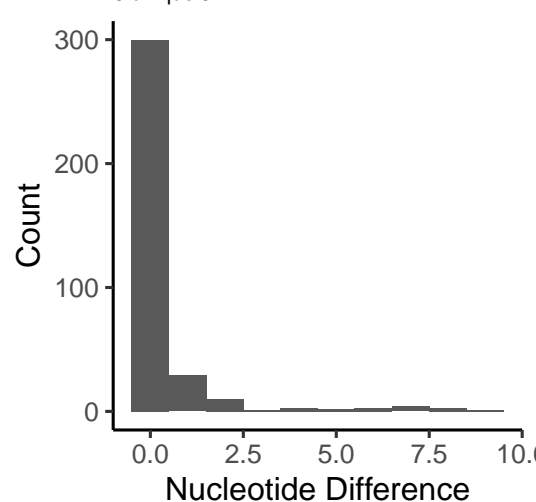
IGHV4-30-2*01_C285T

45 sequences assigned
38 (84.4%) exact matches, in which:
38 unique CDR3
5 unique J



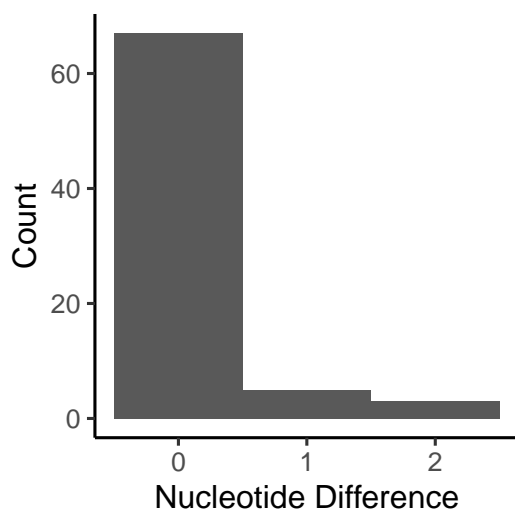
IGHV4-39*07

357 sequences assigned
300 (84%) exact matches, in which:
300 unique CDR3
6 unique J



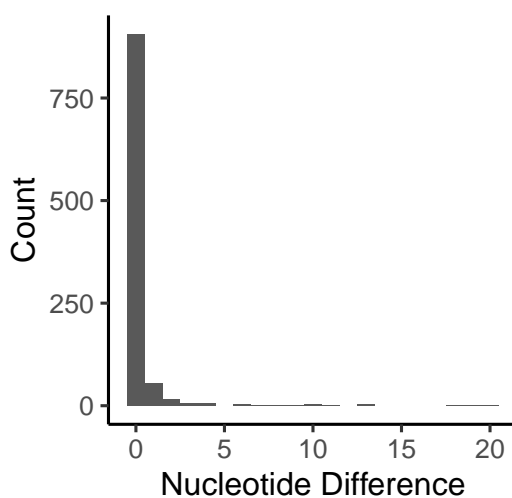
IGHV4-30-4*01

75 sequences assigned
67 (89.3%) exact matches, in which:
67 unique CDR3
5 unique J



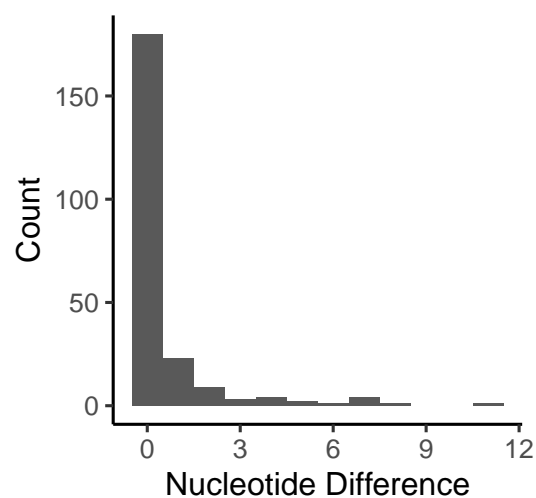
IGHV4-34*01

1018 sequences assigned
906 (89%) exact matches, in which:
906 unique CDR3
6 unique J



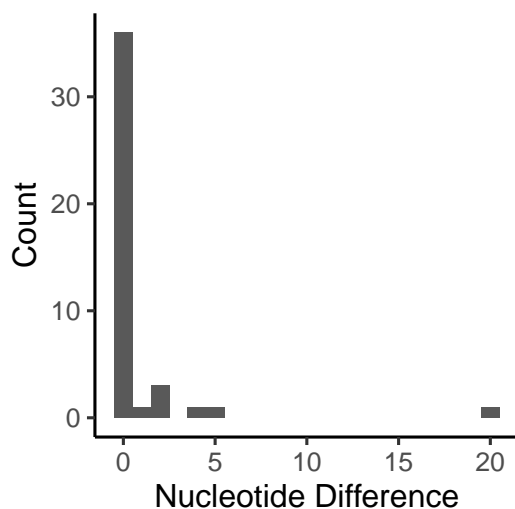
IGHV4-59*01

229 sequences assigned
180 (78.6%) exact matches, in which:
180 unique CDR3
6 unique J



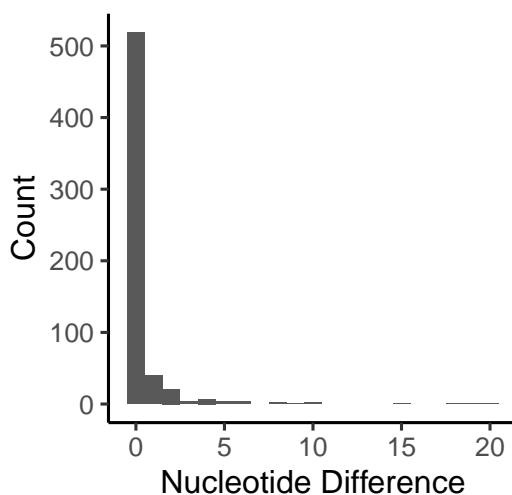
IGHV4-30-2*01

43 sequences assigned
36 (83.7%) exact matches, in which:
36 unique CDR3
5 unique J



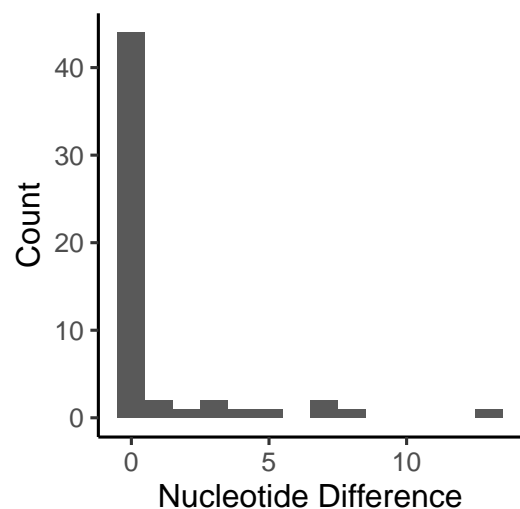
IGHV4-39*01

608 sequences assigned
519 (85.4%) exact matches, in which:
519 unique CDR3
6 unique J



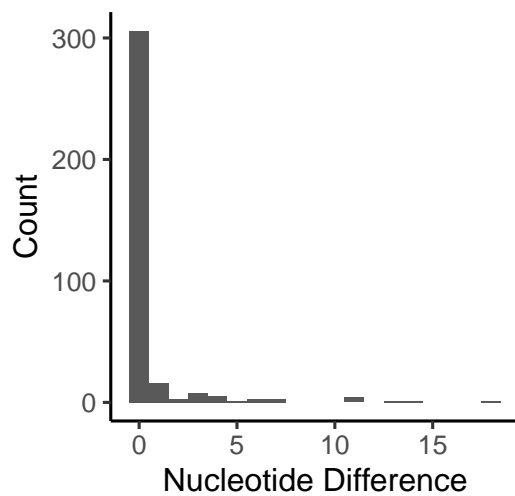
IGHV4-61*01

55 sequences assigned
44 (80%) exact matches, in which:
44 unique CDR3
5 unique J



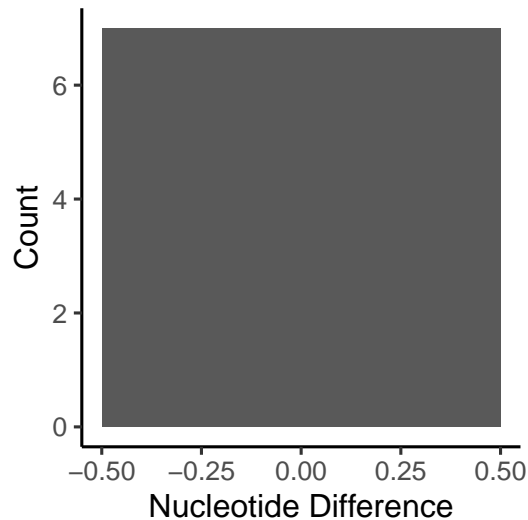
IGHV5-10-1*03

352 sequences assigned
306 (86.9%) exact matches, in which:
305 unique CDR3
6 unique J



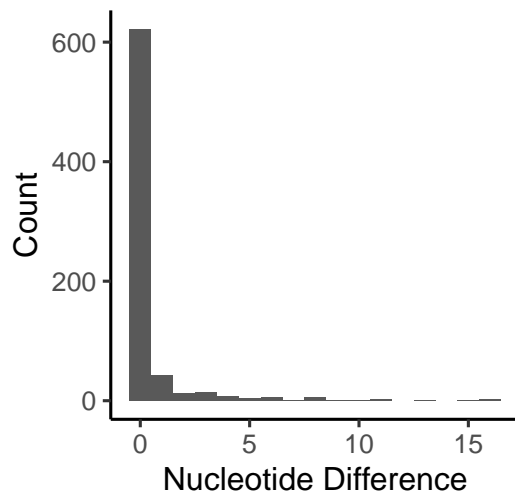
IGHV7-4-1*01

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
4 unique J



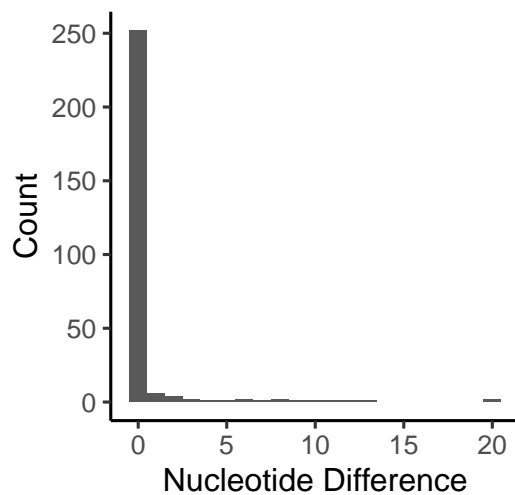
IGHV5-51*01

725 sequences assigned
622 (85.8%) exact matches, in which:
621 unique CDR3
6 unique J

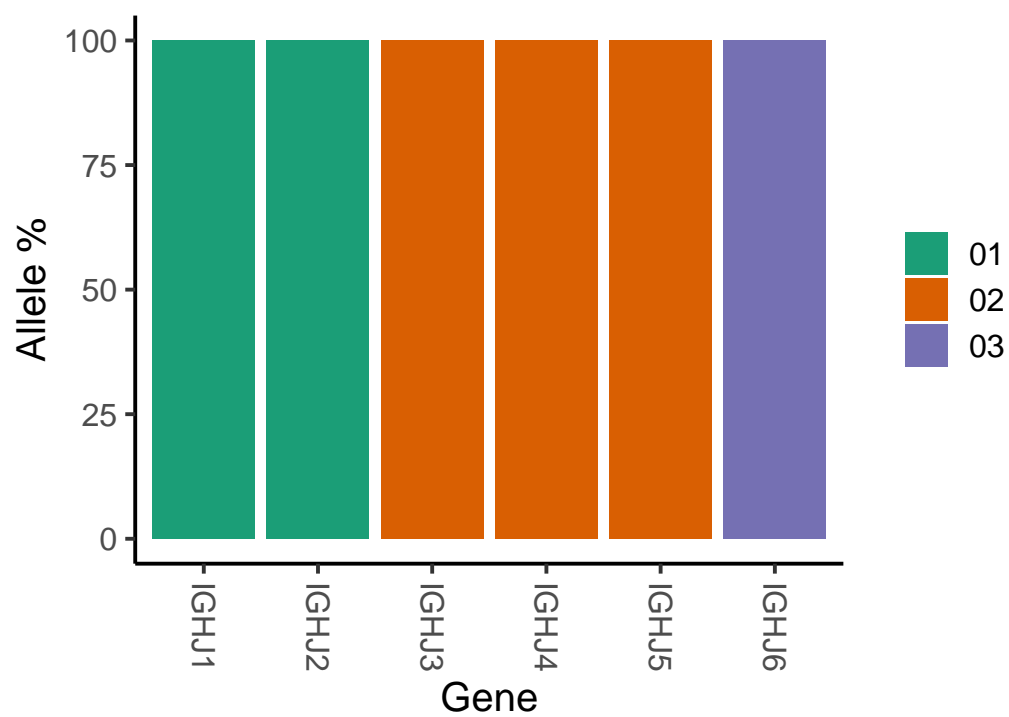


IGHV6-1*01

279 sequences assigned
252 (90.3%) exact matches, in which:
252 unique CDR3
6 unique J



Allele Usage



Warning – no inferred sequences found.