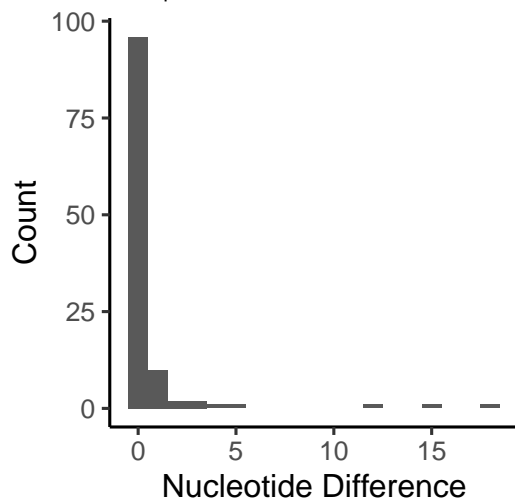


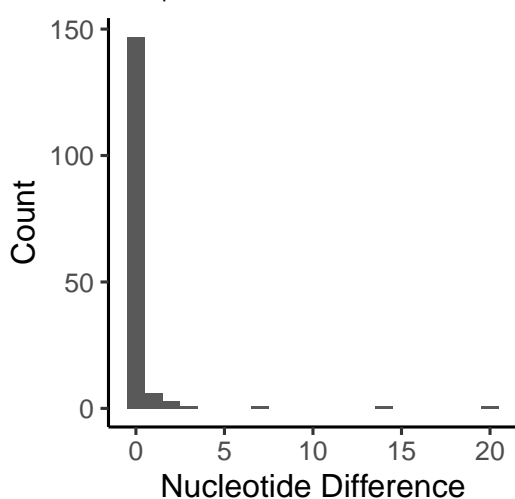
IGHV1–2*04

115 sequences assigned
96 (83.5%) exact matches, in which:
96 unique CDR3
6 unique J



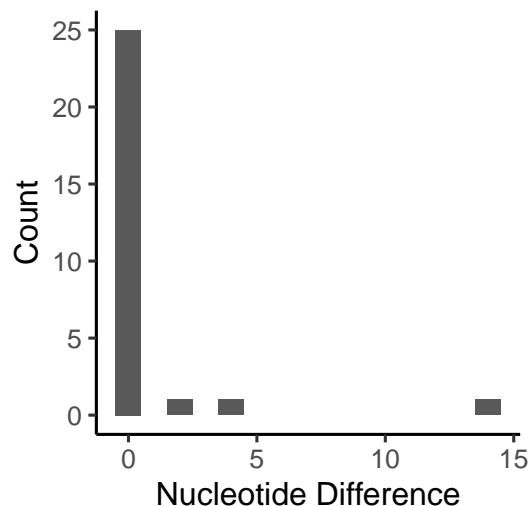
IGHV1–24*01

160 sequences assigned
147 (91.9%) exact matches, in which:
146 unique CDR3
7 unique J



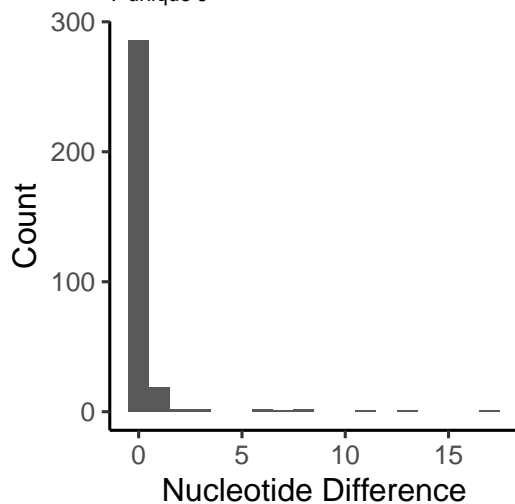
IGHV1–58*01

29 sequences assigned
25 (86.2%) exact matches, in which:
25 unique CDR3
6 unique J



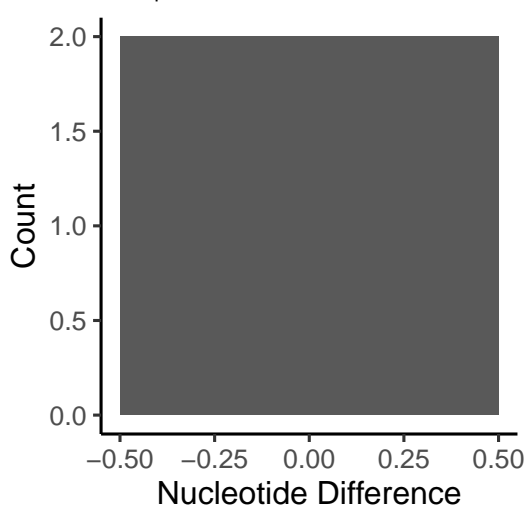
IGHV1–3*01

317 sequences assigned
286 (90.2%) exact matches, in which:
284 unique CDR3
7 unique J



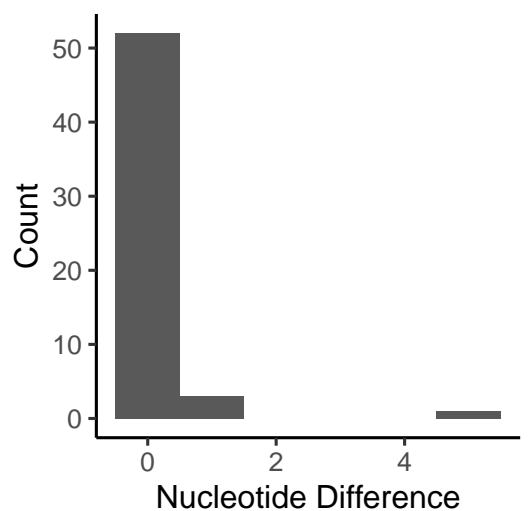
IGHV1–45*02

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



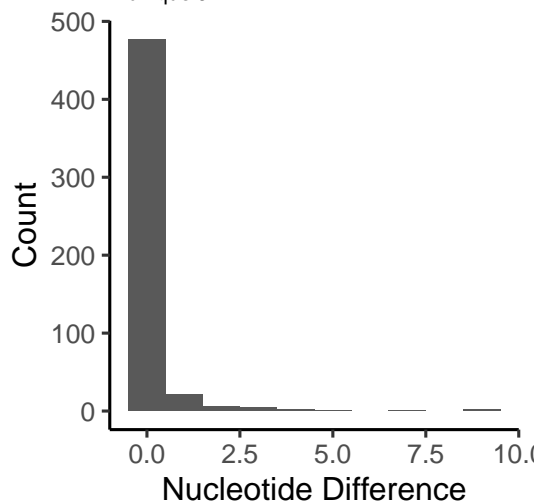
IGHV1–69–2*01

56 sequences assigned
52 (92.9%) exact matches, in which:
52 unique CDR3
6 unique J



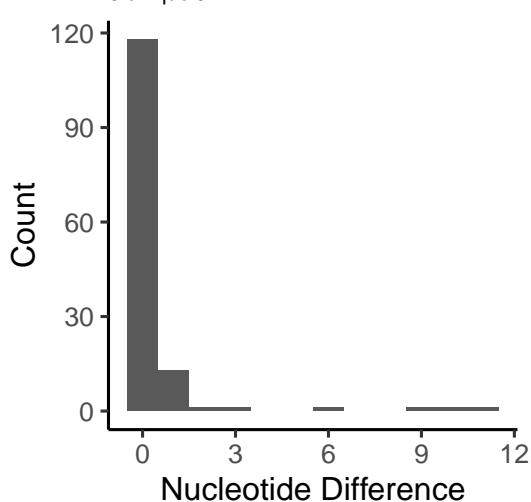
IGHV1–18*04

515 sequences assigned
477 (92.6%) exact matches, in which:
477 unique CDR3
7 unique J



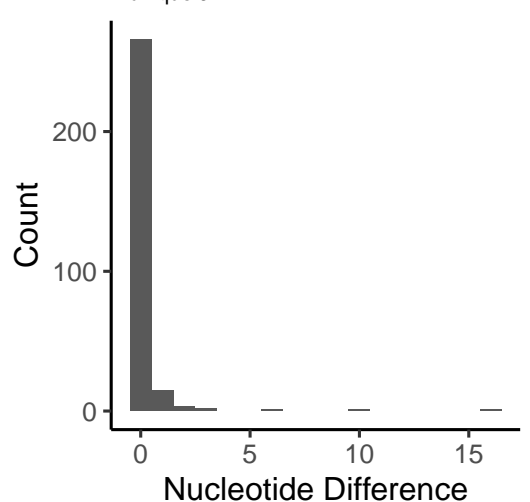
IGHV1–46*01

137 sequences assigned
118 (86.1%) exact matches, in which:
118 unique CDR3
6 unique J



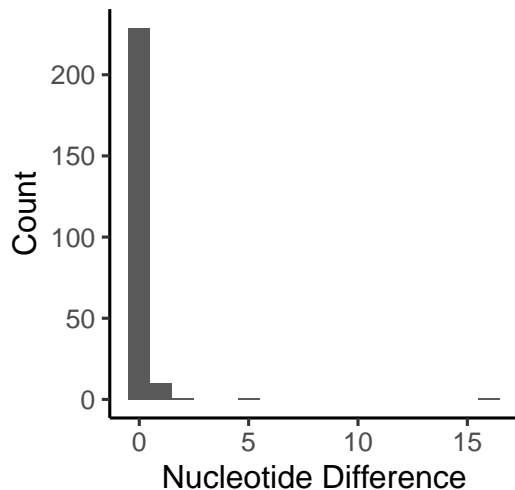
IGHV1–69*06

290 sequences assigned
266 (91.7%) exact matches, in which:
266 unique CDR3
7 unique J



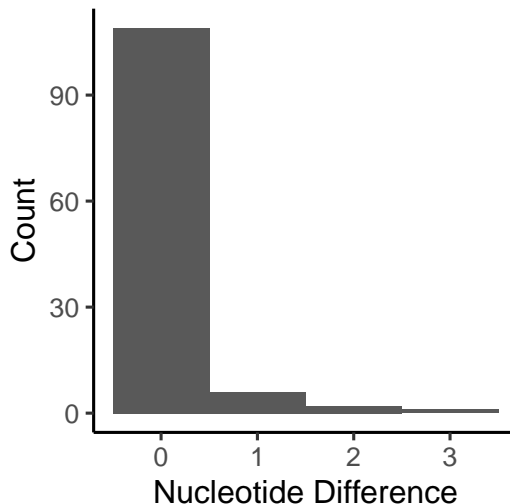
IGHV1–69*17

242 sequences assigned
229 (94.6%) exact matches, in which:
228 unique CDR3
7 unique J



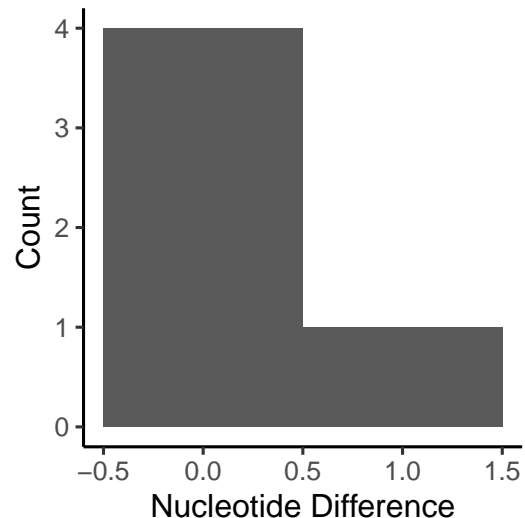
IGHV2–70*01

118 sequences assigned
109 (92.4%) exact matches, in which:
109 unique CDR3
6 unique J



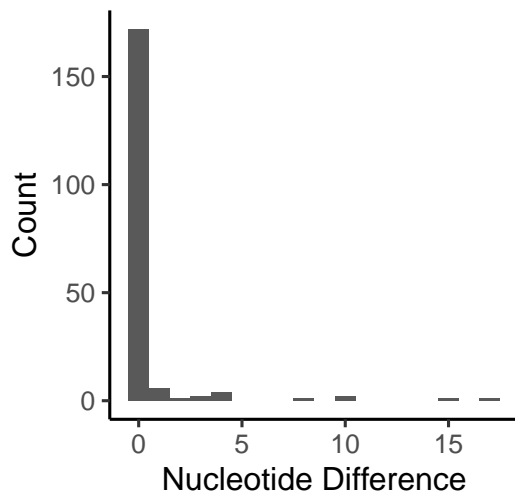
IGHV3–13*05

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



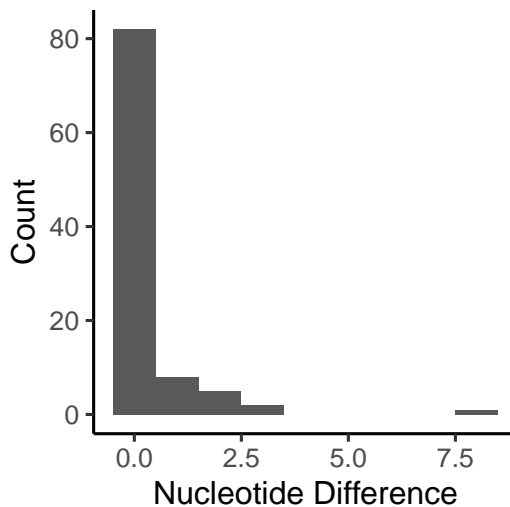
IGHV2–5*02

190 sequences assigned
172 (90.5%) exact matches, in which:
172 unique CDR3
7 unique J



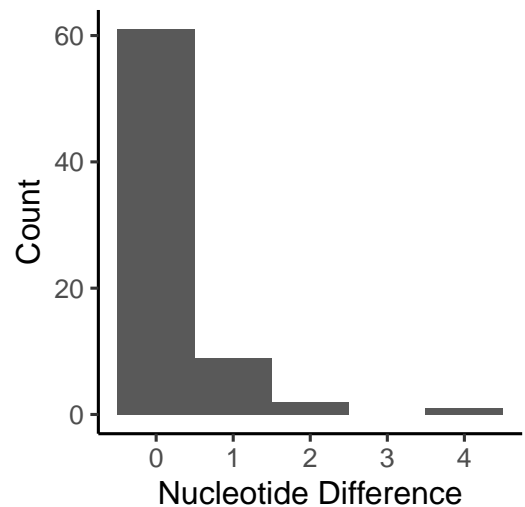
IGHV3–7*03

98 sequences assigned
82 (83.7%) exact matches, in which:
82 unique CDR3
6 unique J



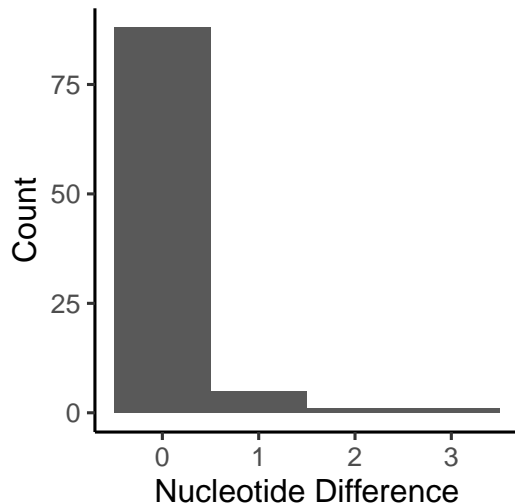
IGHV3–15*01

73 sequences assigned
61 (83.6%) exact matches, in which:
61 unique CDR3
7 unique J



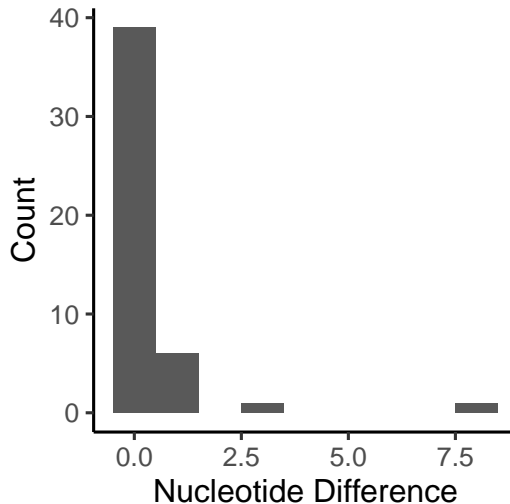
IGHV2–26*01

95 sequences assigned
88 (92.6%) exact matches, in which:
88 unique CDR3
6 unique J



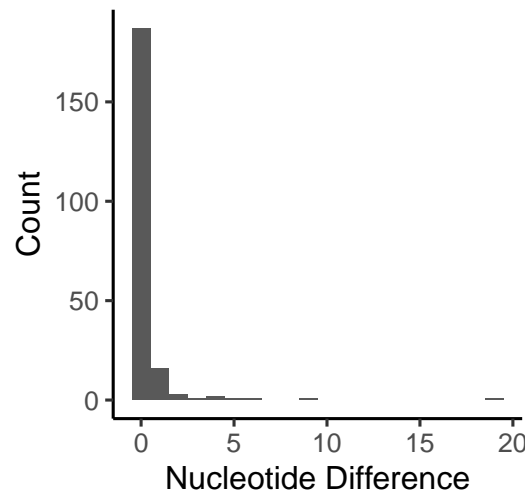
IGHV3–11*06

47 sequences assigned
39 (83%) exact matches, in which:
39 unique CDR3
7 unique J



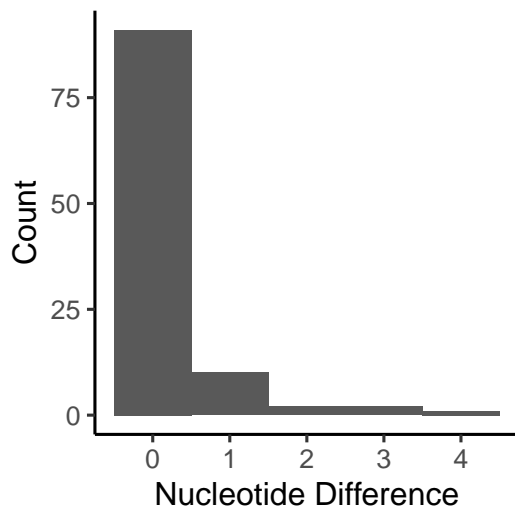
IGHV3–21*01

213 sequences assigned
187 (87.8%) exact matches, in which:
187 unique CDR3
7 unique J



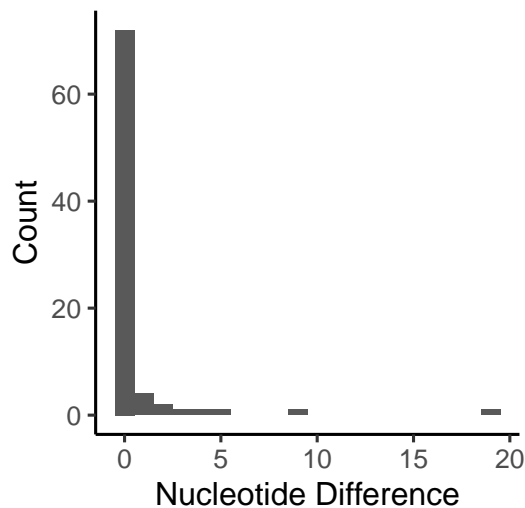
IGHV3-30-3*01

106 sequences assigned
91 (85.8%) exact matches, in which:
91 unique CDR3
5 unique J



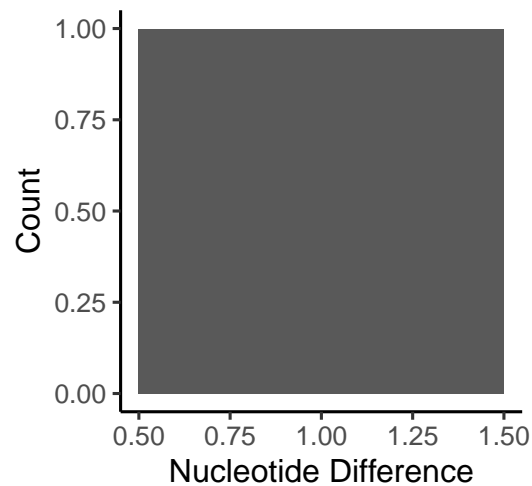
IGHV3-48*02

83 sequences assigned
72 (86.7%) exact matches, in which:
72 unique CDR3
7 unique J



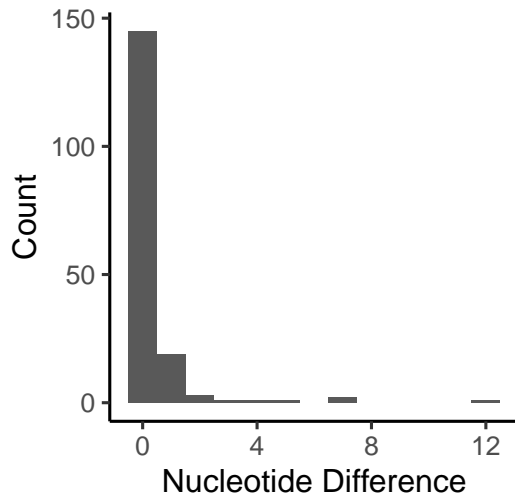
IGHV3-66*03

1 sequences assigned
No exact matches.



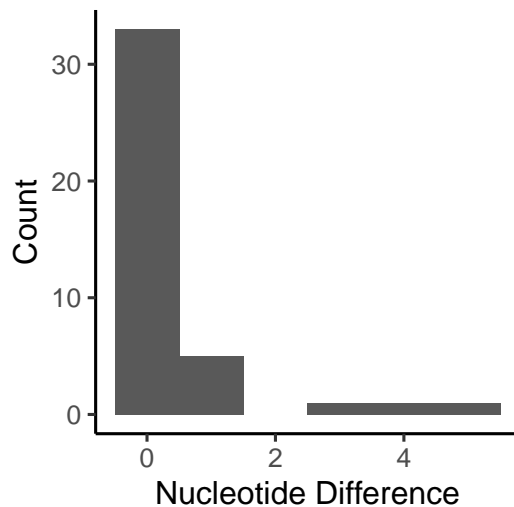
IGHV3-33*01

173 sequences assigned
145 (83.8%) exact matches, in which:
145 unique CDR3
5 unique J



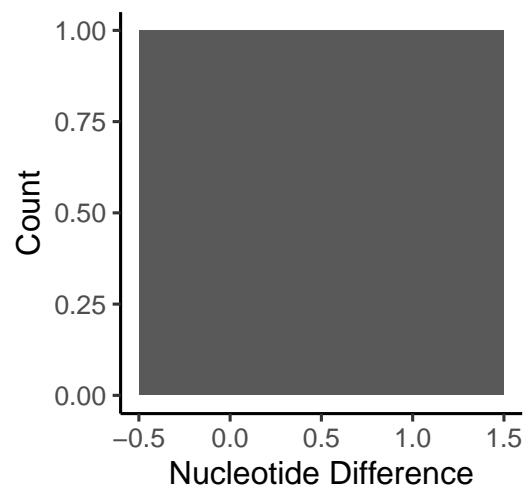
IGHV3-49*05

41 sequences assigned
33 (80.5%) exact matches, in which:
33 unique CDR3
6 unique J



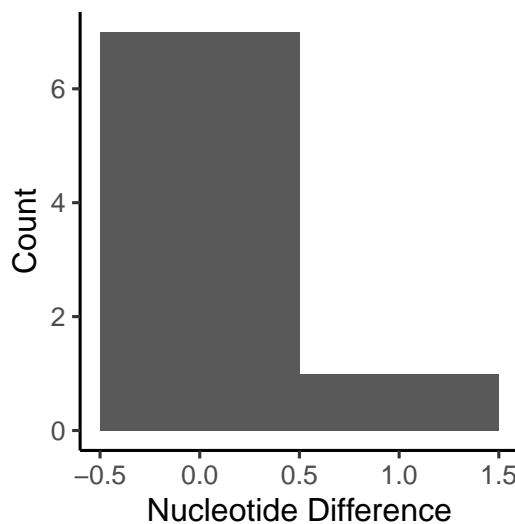
IGHV3-72*01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



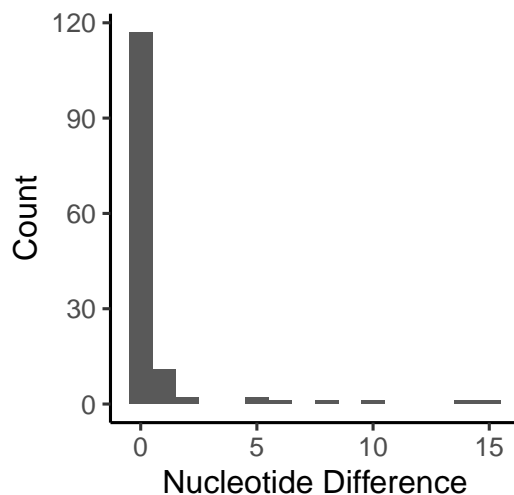
IGHV3-43*01

8 sequences assigned
7 (87.5%) exact matches, in which:
7 unique CDR3
4 unique J



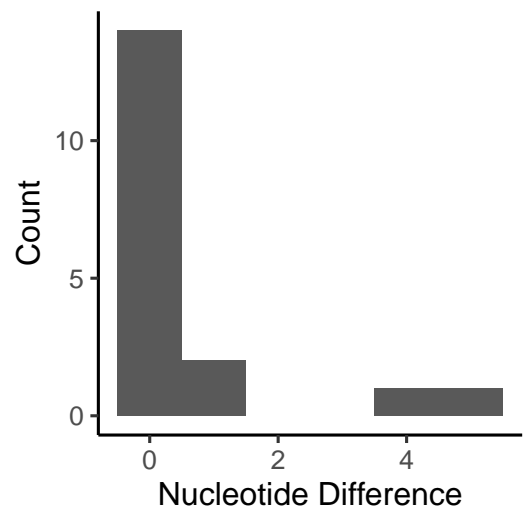
IGHV3-53*01

137 sequences assigned
117 (85.4%) exact matches, in which:
117 unique CDR3
7 unique J



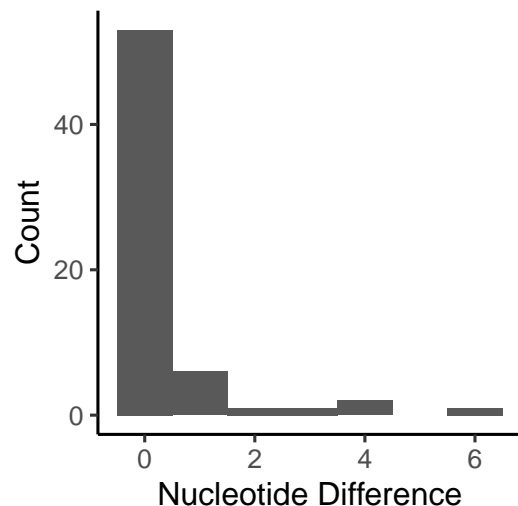
IGHV3-73*02

18 sequences assigned
14 (77.8%) exact matches, in which:
14 unique CDR3
5 unique J



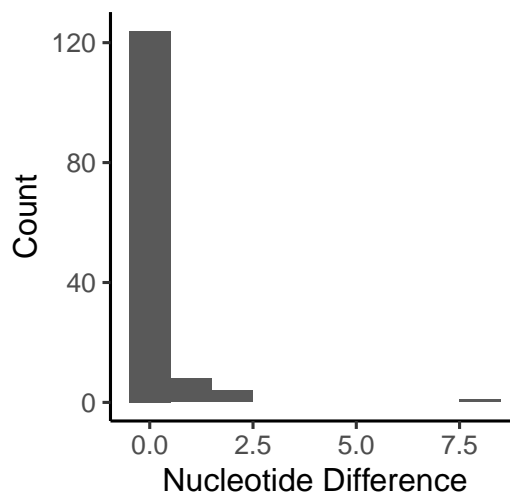
IGHV3-74*01

64 sequences assigned
53 (82.8%) exact matches, in which:
53 unique CDR3
7 unique J



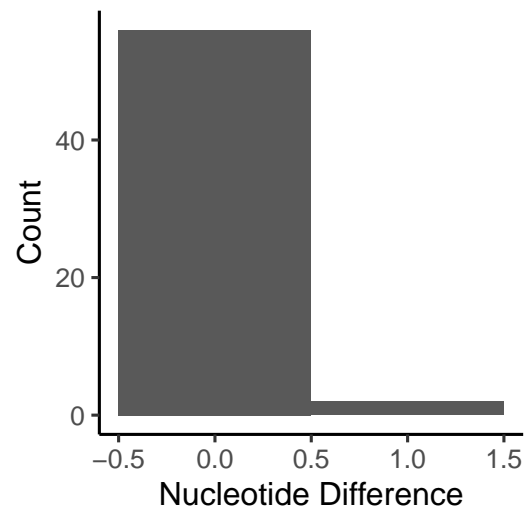
IGHV4-4*02

137 sequences assigned
124 (90.5%) exact matches, in which:
124 unique CDR3
7 unique J



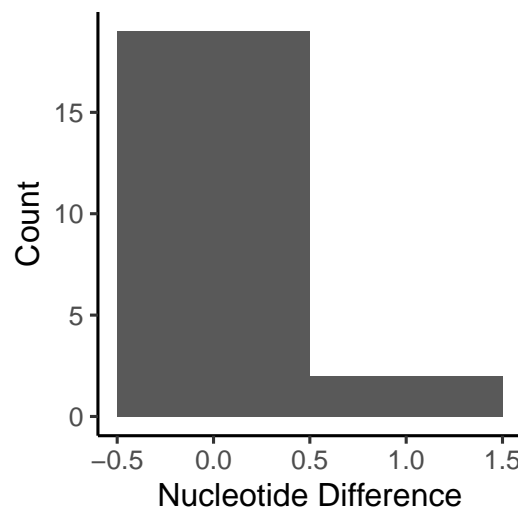
IGHV4-30-2*01_C285T

58 sequences assigned
56 (96.6%) exact matches, in which:
56 unique CDR3
6 unique J



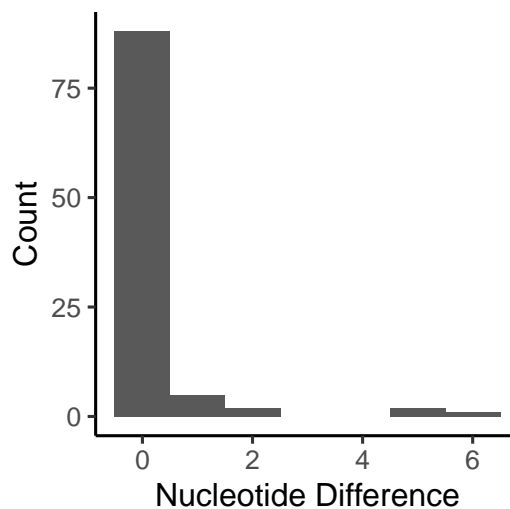
IGHV3-64D*06

22 sequences assigned
19 (86.4%) exact matches, in which:
19 unique CDR3
4 unique J



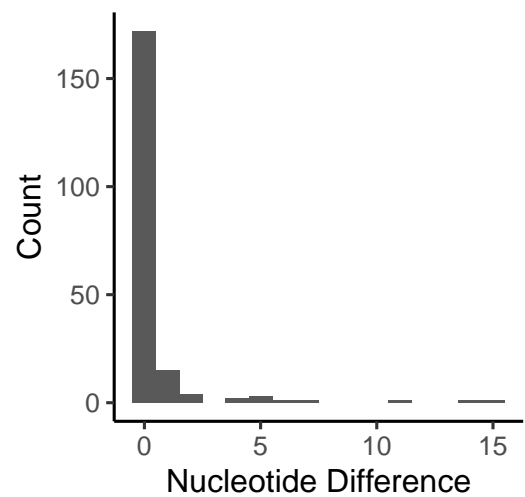
IGHV4-30-2*01

98 sequences assigned
88 (89.8%) exact matches, in which:
88 unique CDR3
7 unique J



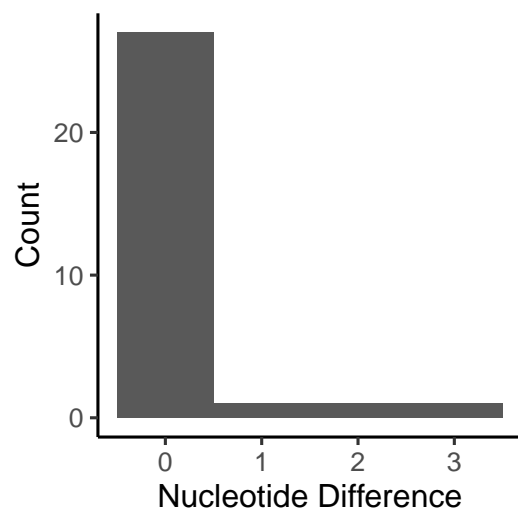
IGHV4-31*03

201 sequences assigned
172 (85.6%) exact matches, in which:
172 unique CDR3
7 unique J



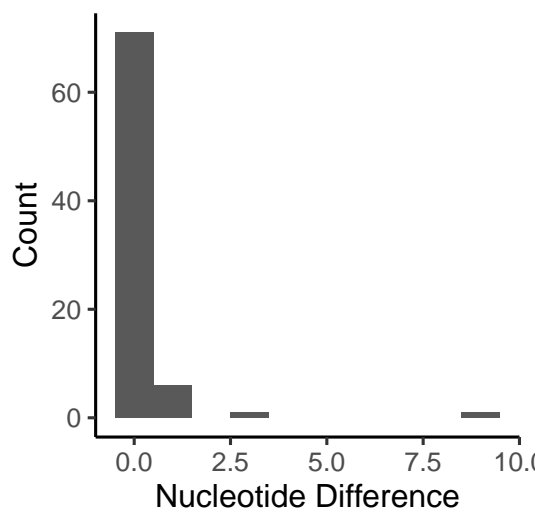
IGHV3-64D*09

30 sequences assigned
27 (90%) exact matches, in which:
27 unique CDR3
2 unique J



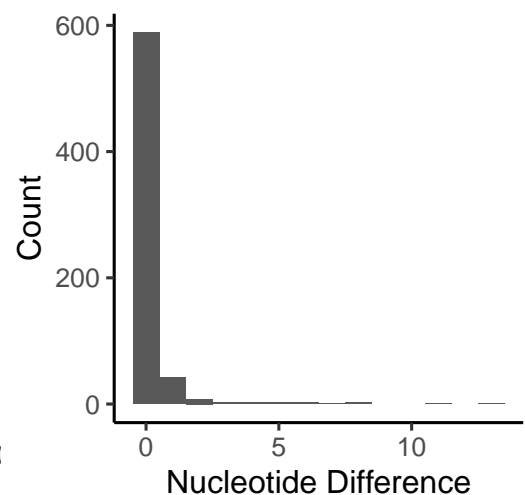
IGHV4-30-4*01

79 sequences assigned
71 (89.9%) exact matches, in which:
71 unique CDR3
6 unique J



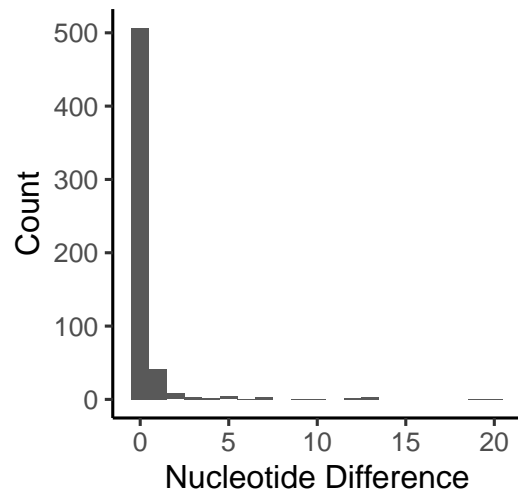
IGHV4-34*01

653 sequences assigned
589 (90.2%) exact matches, in which:
589 unique CDR3
7 unique J



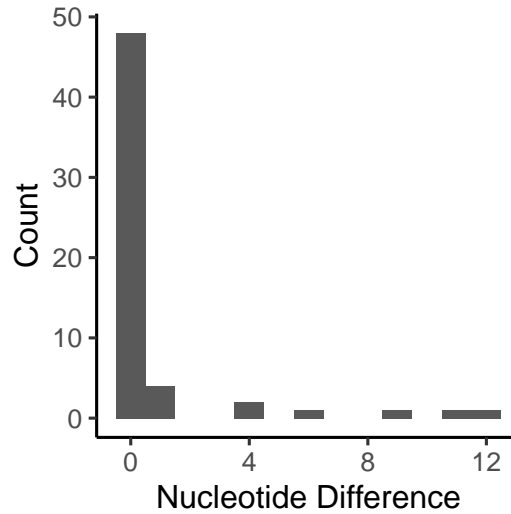
IGHV4–39*01

580 sequences assigned
507 (87.4%) exact matches, in which:
506 unique CDR3
7 unique J



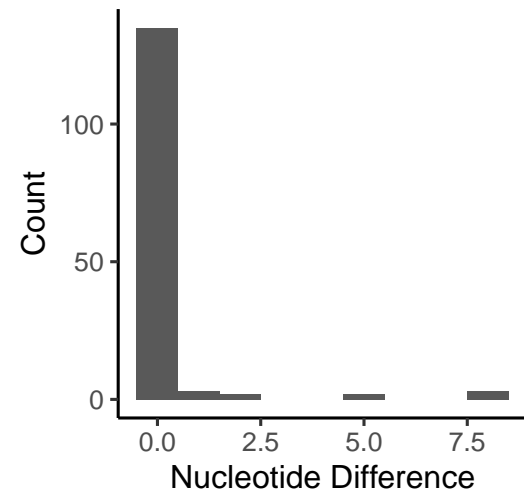
IGHV4–61*01

58 sequences assigned
48 (82.8%) exact matches, in which:
48 unique CDR3
6 unique J



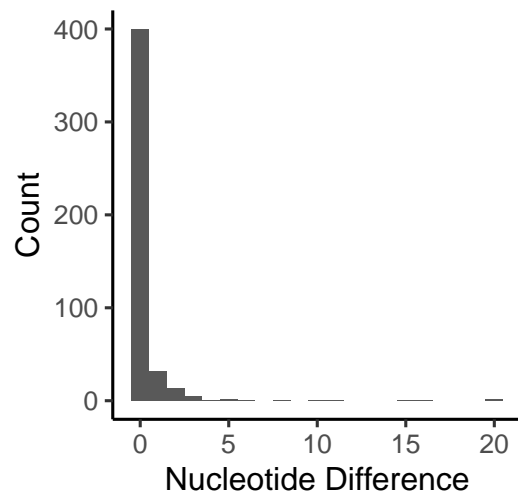
IGHV6–1*01

145 sequences assigned
135 (93.1%) exact matches, in which:
135 unique CDR3
6 unique J



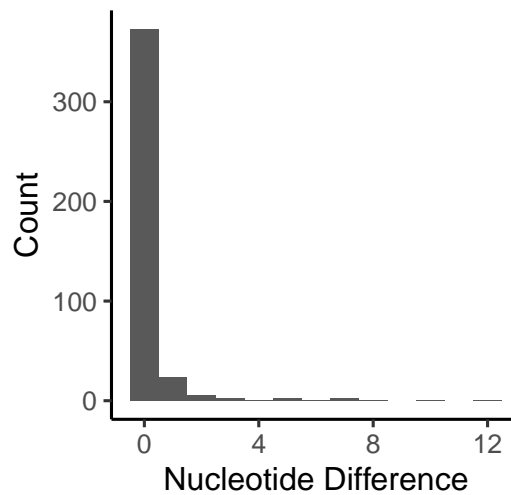
IGHV4–39*07

461 sequences assigned
400 (86.8%) exact matches, in which:
399 unique CDR3
7 unique J



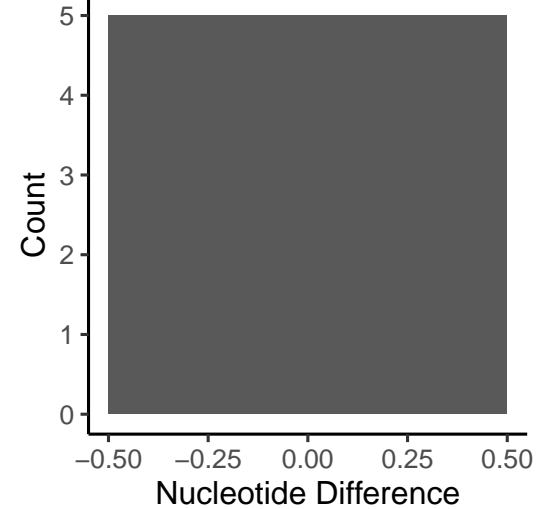
IGHV5–10–1*03

417 sequences assigned
373 (89.4%) exact matches, in which:
372 unique CDR3
7 unique J



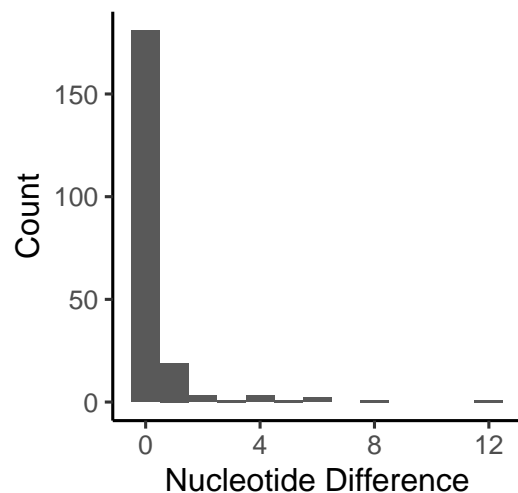
IGHV7–4–1*01

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



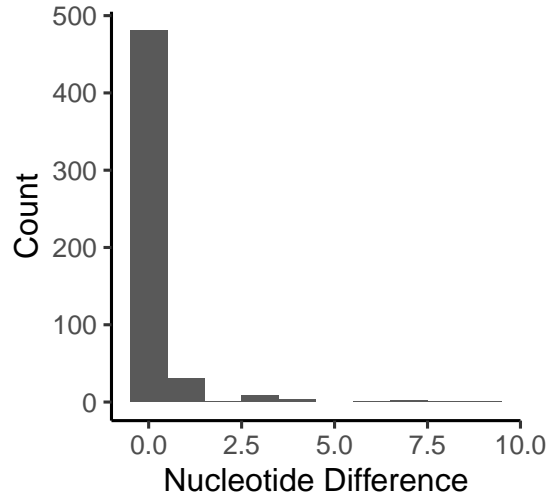
IGHV4–59*01

212 sequences assigned
181 (85.4%) exact matches, in which:
181 unique CDR3
7 unique J

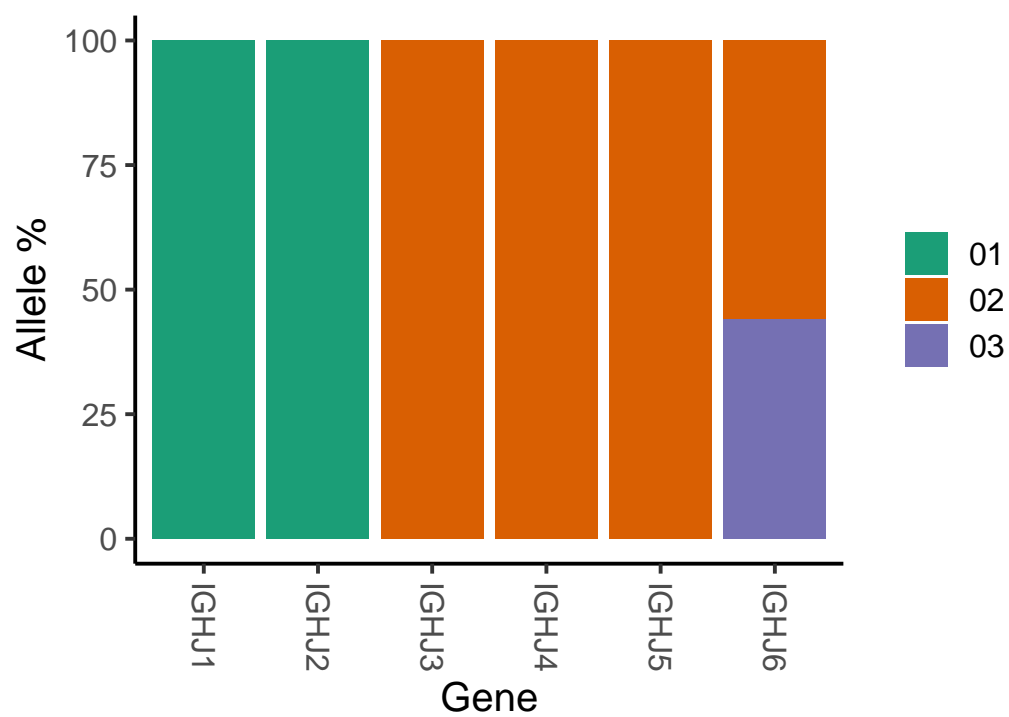


IGHV5–51*01

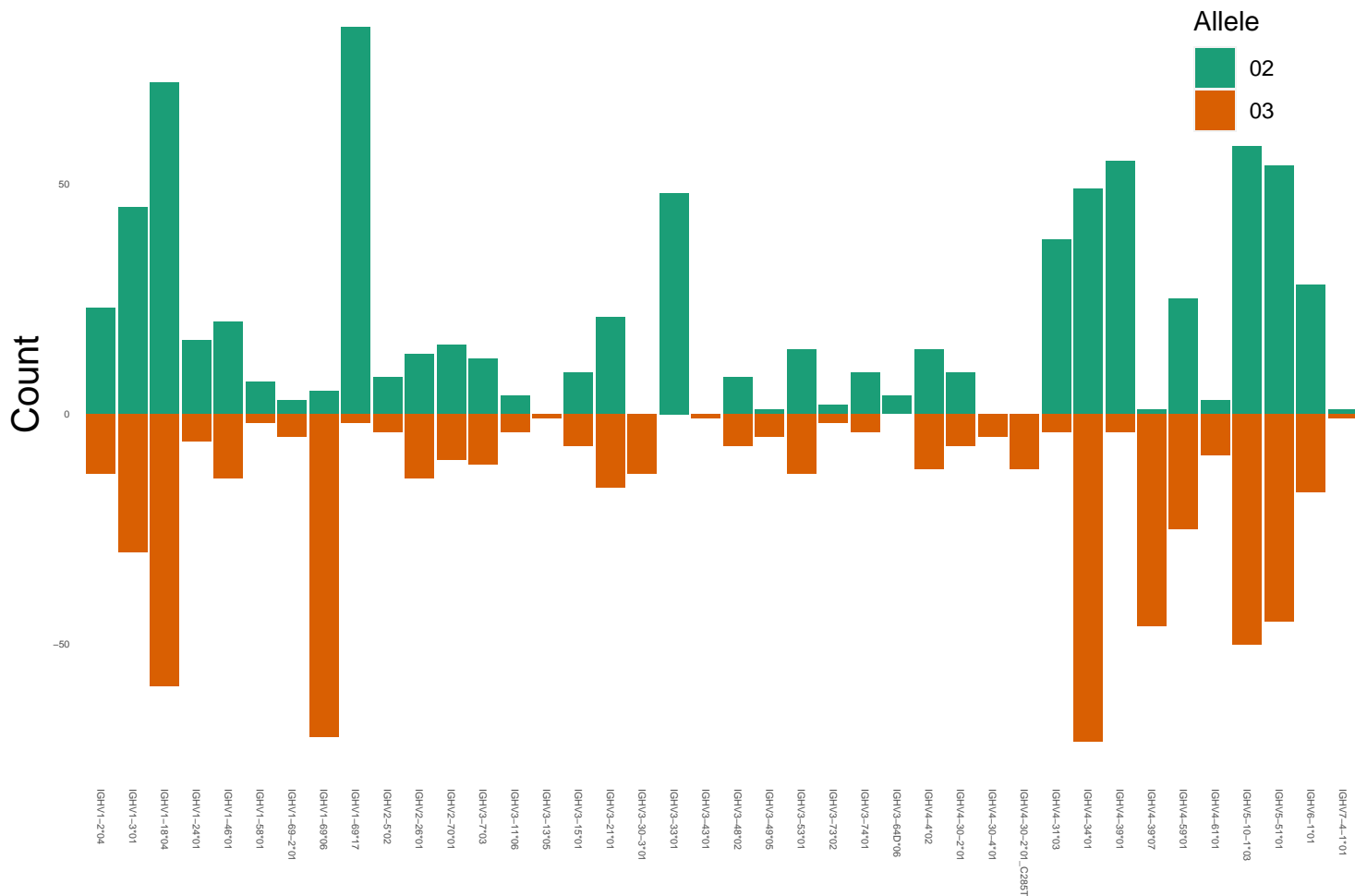
529 sequences assigned
481 (90.9%) exact matches, in which:
481 unique CDR3
7 unique J



Allele Usage



Sequence Count by IGHJ6 allele usage



Warning – no inferred sequences found.