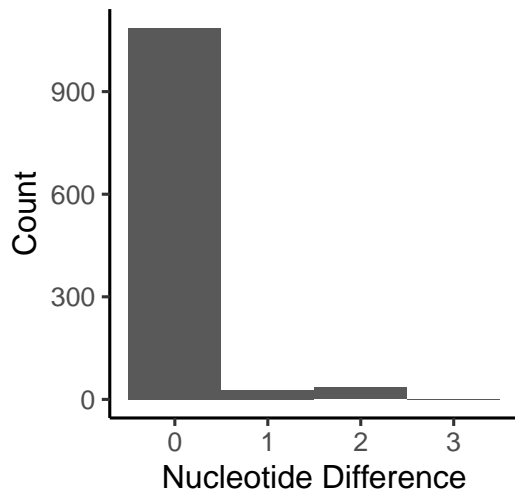


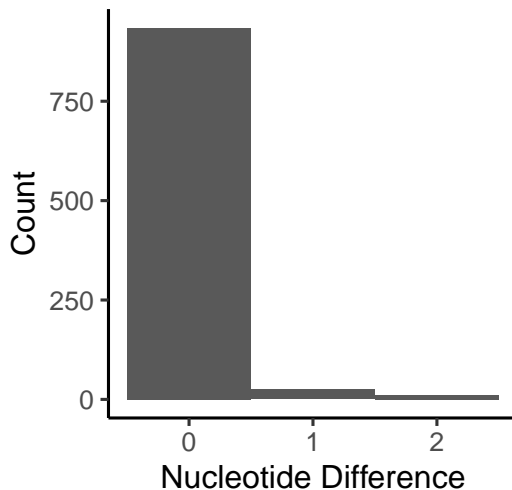
IGHV1–2*02

1152 sequences assigned
1087 (94.4%) exact matches, in which:
1083 unique CDR3
6 unique J



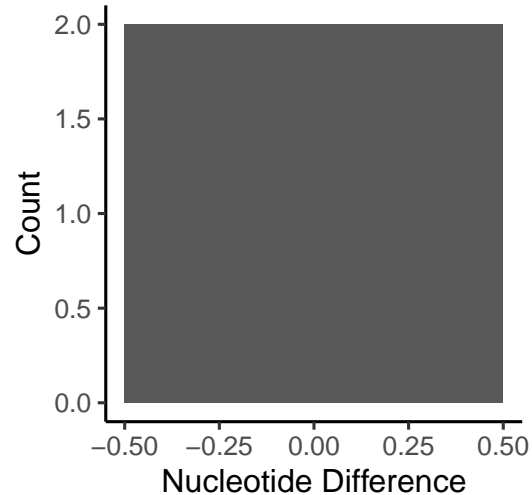
IGHV1–18*01

971 sequences assigned
935 (96.3%) exact matches, in which:
929 unique CDR3
7 unique J



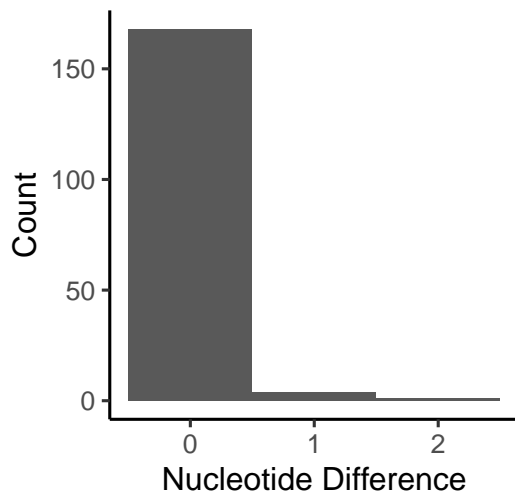
IGHV1–45*02

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



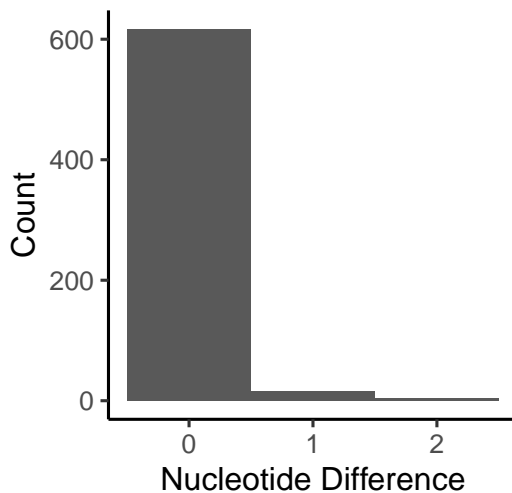
IGHV1–3*01_05

173 sequences assigned
168 (97.1%) exact matches, in which:
168 unique CDR3
6 unique J



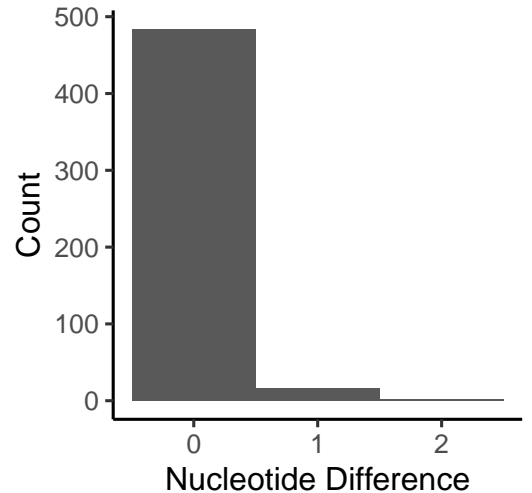
IGHV1–18*04

636 sequences assigned
617 (97%) exact matches, in which:
616 unique CDR3
6 unique J



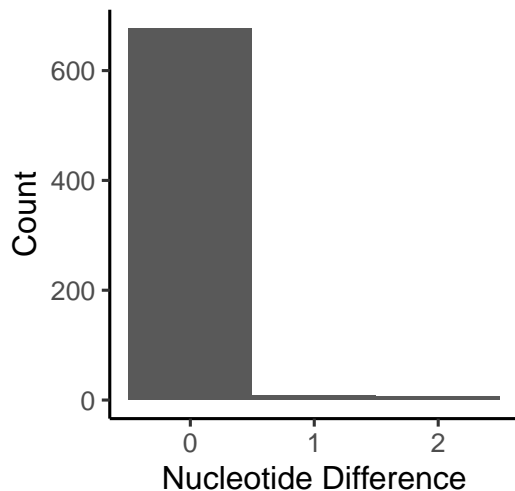
IGHV1–46*01

502 sequences assigned
484 (96.4%) exact matches, in which:
484 unique CDR3
7 unique J



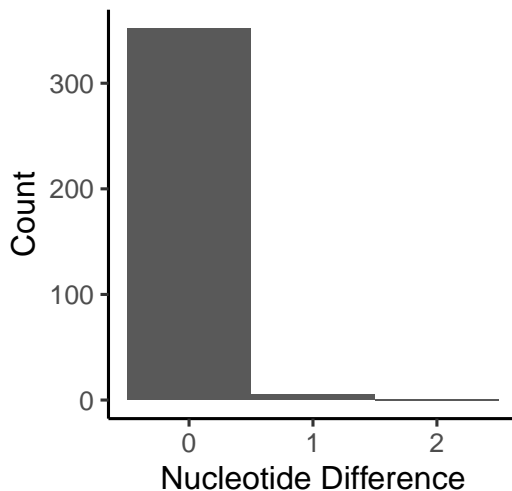
IGHV1–8*01

693 sequences assigned
677 (97.7%) exact matches, in which:
674 unique CDR3
7 unique J



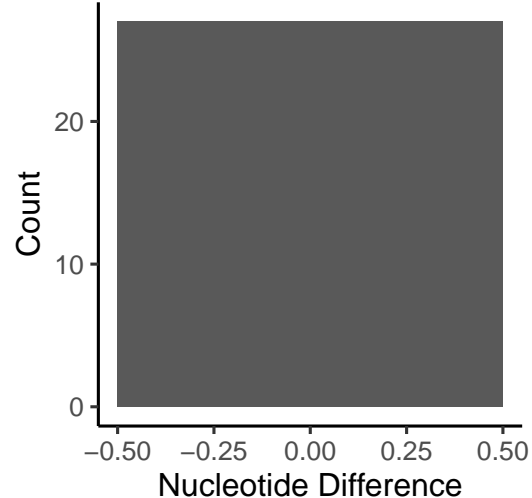
IGHV1–24*01

358 sequences assigned
352 (98.3%) exact matches, in which:
352 unique CDR3
7 unique J



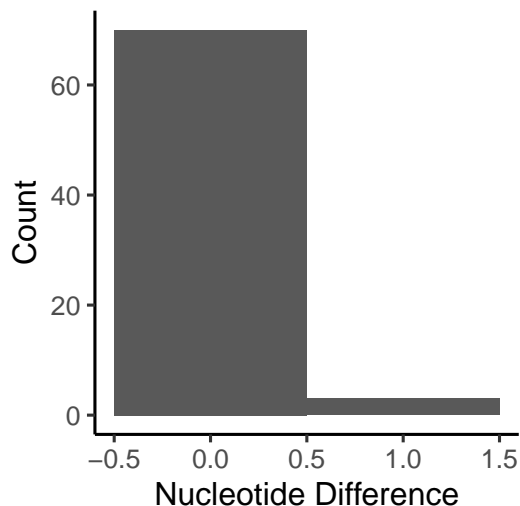
IGHV1–58*02

27 sequences assigned
27 (100%) exact matches, in which:
27 unique CDR3
5 unique J



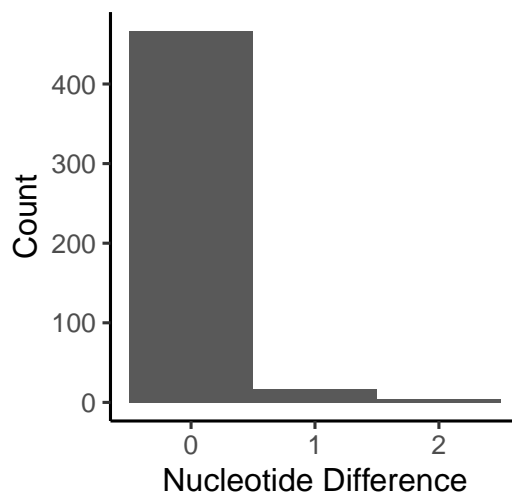
IGHV1-58*01_03

73 sequences assigned
70 (95.9%) exact matches, in which:
70 unique CDR3
5 unique J



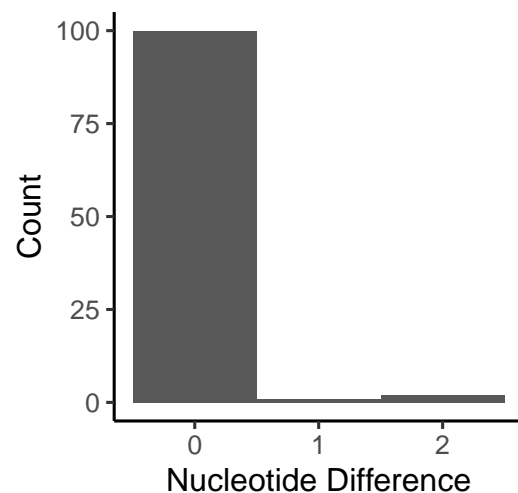
IGHV2-5*01

488 sequences assigned
467 (95.7%) exact matches, in which:
466 unique CDR3
7 unique J



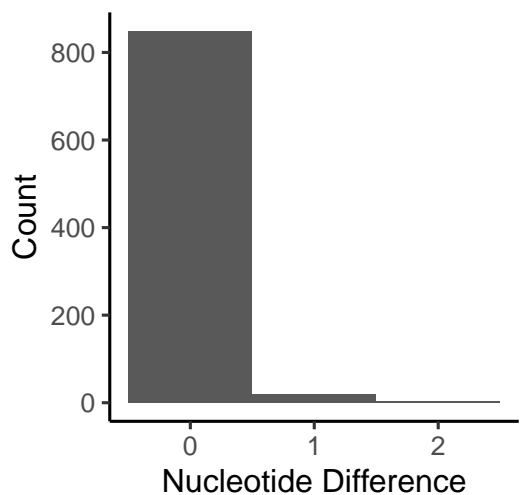
IGHV2-70*01

103 sequences assigned
100 (97.1%) exact matches, in which:
97 unique CDR3
6 unique J



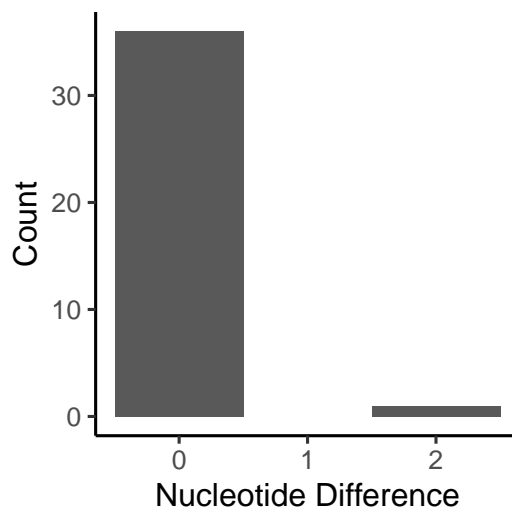
IGHV1-69*01_12_13

872 sequences assigned
849 (97.4%) exact matches, in which:
849 unique CDR3
7 unique J



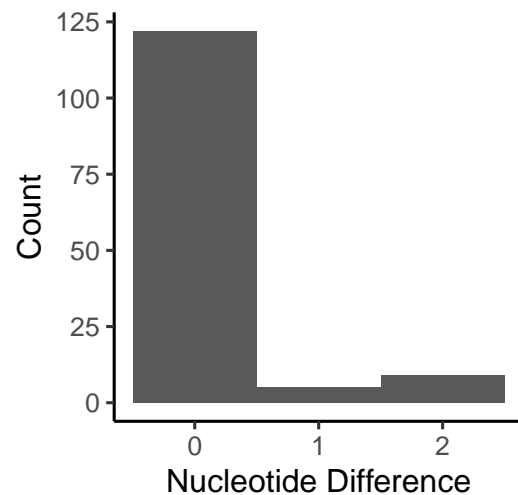
IGHV2-26*01

37 sequences assigned
36 (97.3%) exact matches, in which:
36 unique CDR3
5 unique J



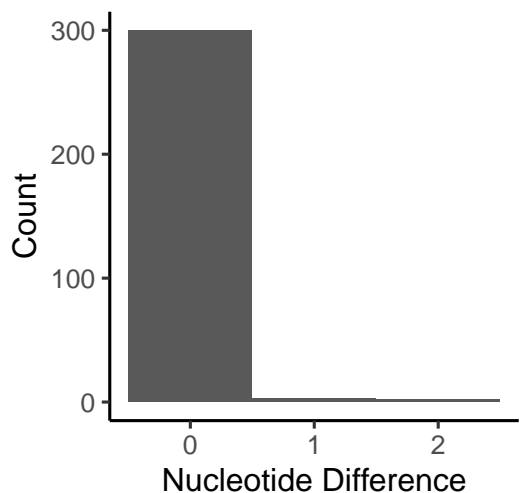
IGHV2-70*11_15

136 sequences assigned
122 (89.7%) exact matches, in which:
119 unique CDR3
4 unique J



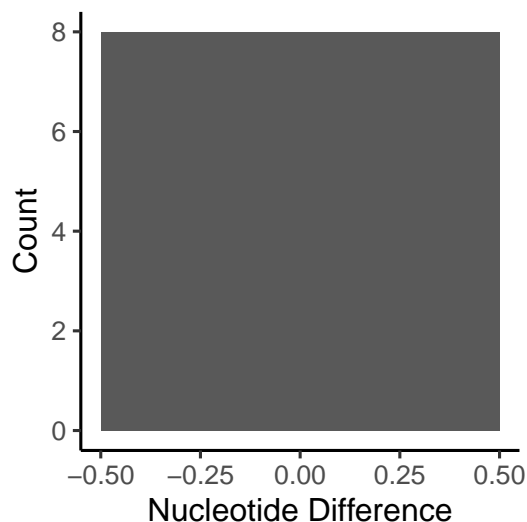
IGHV1-69*04_09

305 sequences assigned
300 (98.4%) exact matches, in which:
300 unique CDR3
6 unique J



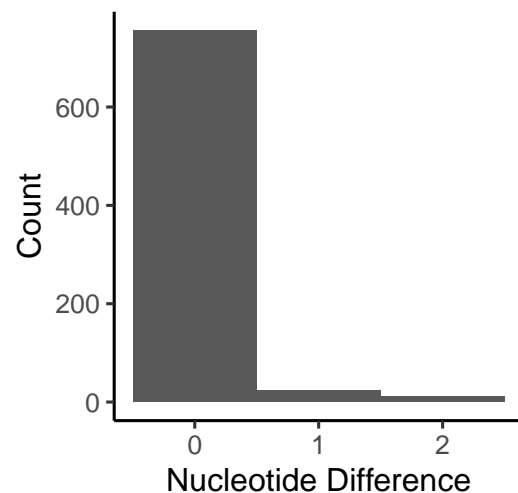
IGHV2-26*04

8 sequences assigned
8 (100%) exact matches, in which:
8 unique CDR3
5 unique J



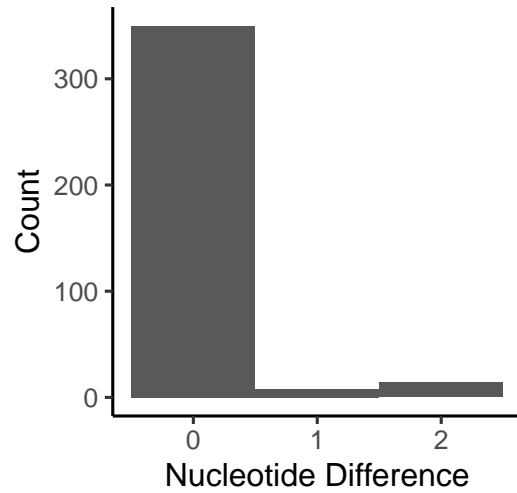
IGHV3-7*01

790 sequences assigned
756 (95.7%) exact matches, in which:
744 unique CDR3
7 unique J



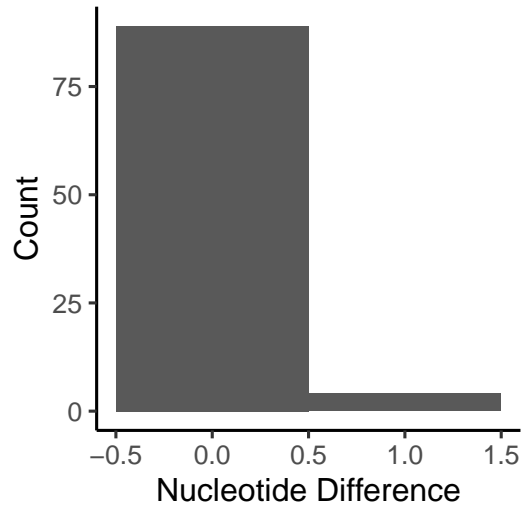
IGHV3-9*01

372 sequences assigned
350 (94.1%) exact matches, in which:
347 unique CDR3
6 unique J



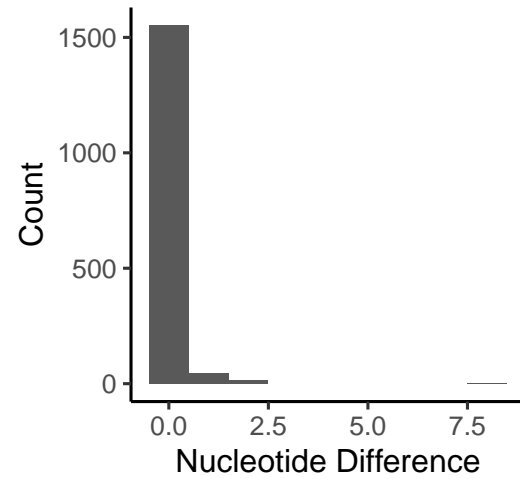
IGHV3-13*01

93 sequences assigned
89 (95.7%) exact matches, in which:
88 unique CDR3
5 unique J



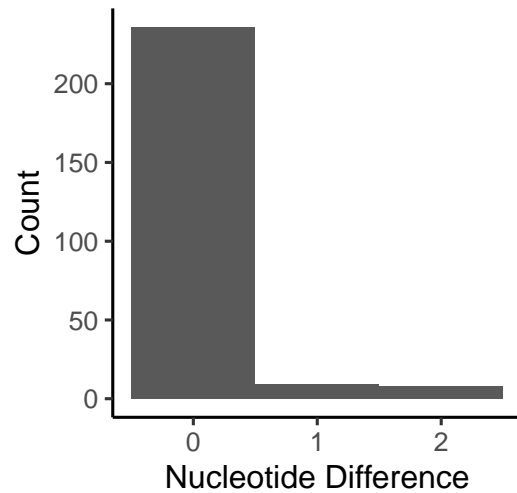
IGHV3-21*01_02

1616 sequences assigned
1552 (96%) exact matches, in which:
1509 unique CDR3
7 unique J



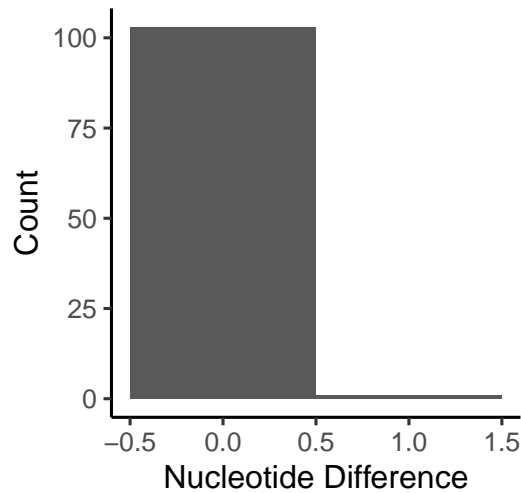
IGHV3-11*01

253 sequences assigned
236 (93.3%) exact matches, in which:
234 unique CDR3
6 unique J



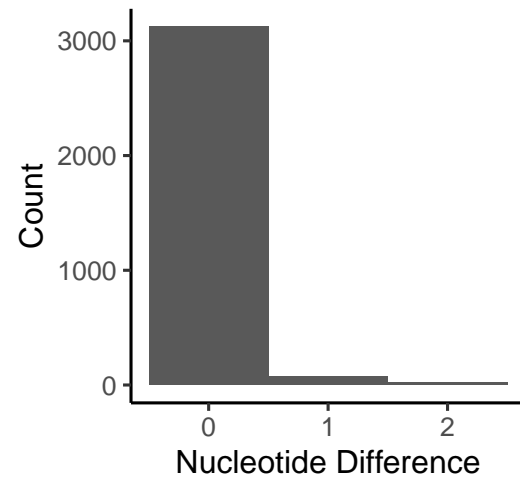
IGHV3-13*04

104 sequences assigned
103 (99%) exact matches, in which:
103 unique CDR3
5 unique J



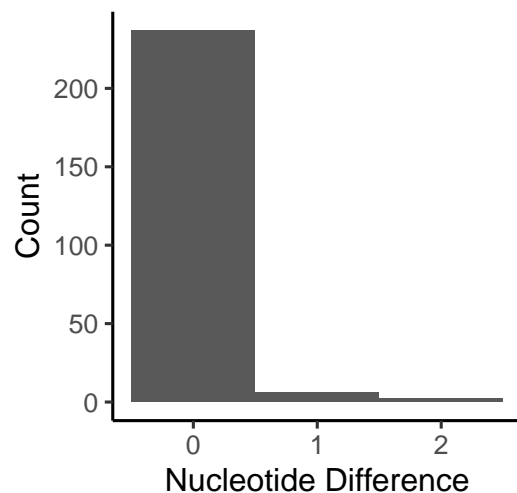
IGHV3-23*01_04

3221 sequences assigned
3123 (97%) exact matches, in which:
3058 unique CDR3
7 unique J



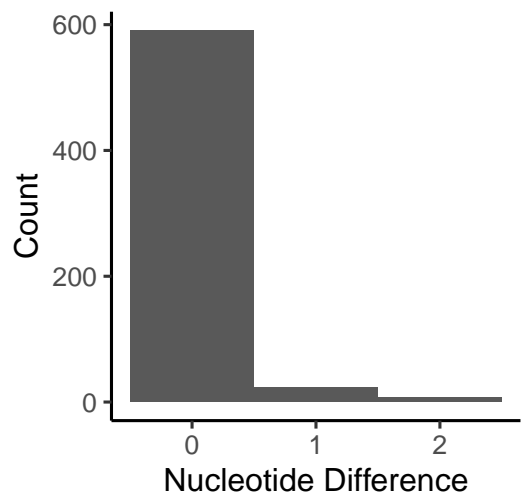
IGHV3-11*06_T300C

245 sequences assigned
237 (96.7%) exact matches, in which:
234 unique CDR3
7 unique J



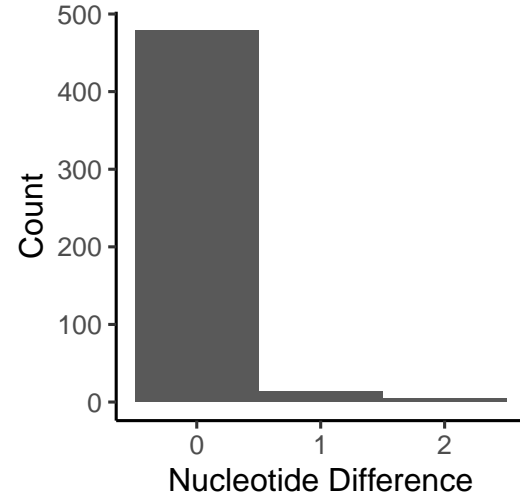
IGHV3-15*01_02

621 sequences assigned
591 (95.2%) exact matches, in which:
587 unique CDR3
7 unique J



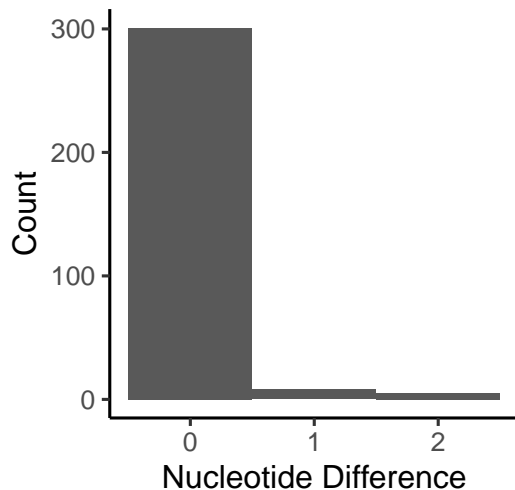
IGHV3-30-3*01

497 sequences assigned
479 (96.4%) exact matches, in which:
475 unique CDR3
6 unique J



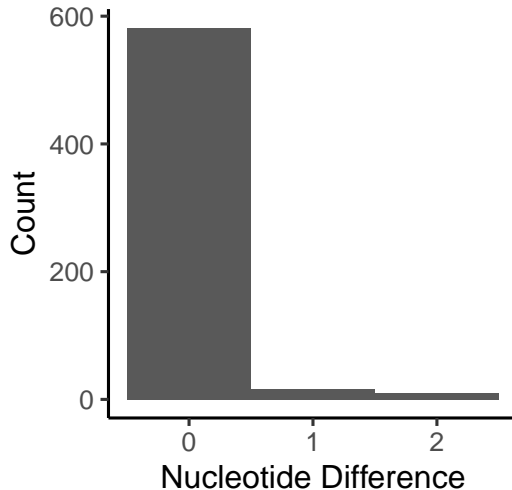
IGHV3–33*01

314 sequences assigned
301 (95.9%) exact matches, in which:
301 unique CDR3
7 unique J



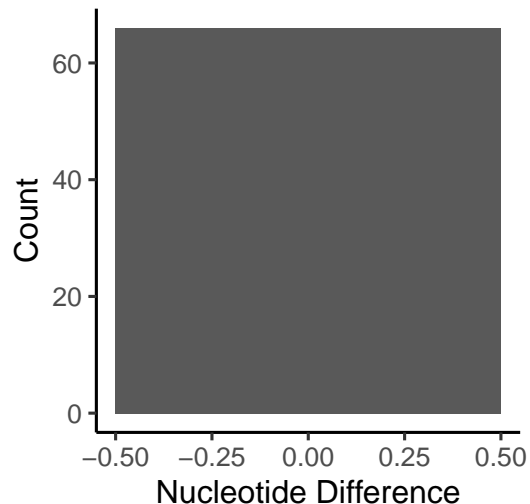
IGHV3–48*02

608 sequences assigned
582 (95.7%) exact matches, in which:
572 unique CDR3
6 unique J



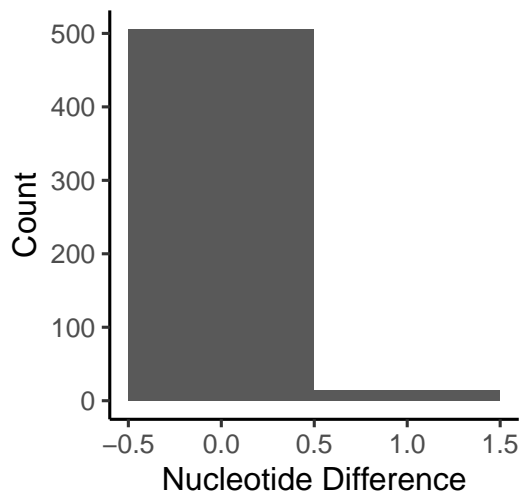
IGHV3–49*03_05

66 sequences assigned
66 (100%) exact matches, in which:
65 unique CDR3
5 unique J



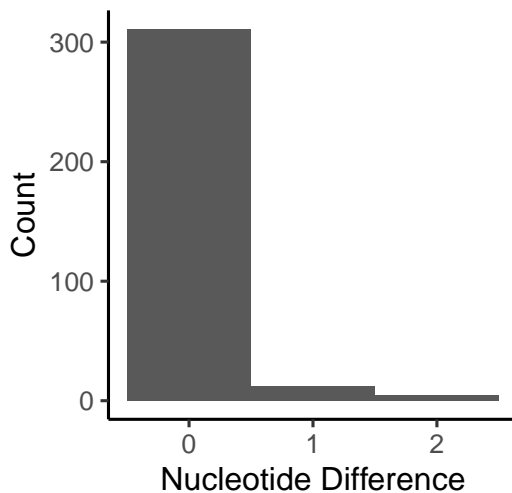
IGHV3–33*08

520 sequences assigned
506 (97.3%) exact matches, in which:
501 unique CDR3
6 unique J



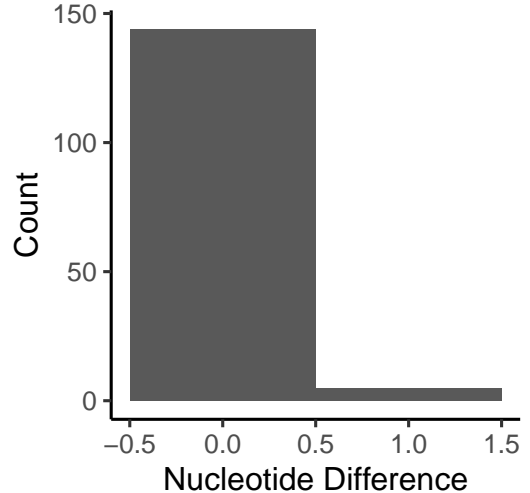
IGHV3–48*03

328 sequences assigned
311 (94.8%) exact matches, in which:
302 unique CDR3
6 unique J



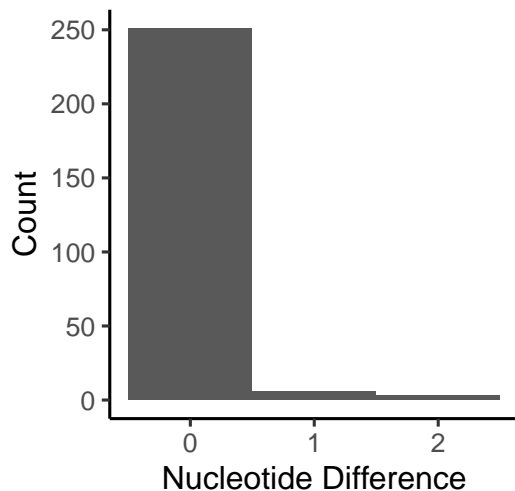
IGHV3–53*04

149 sequences assigned
144 (96.6%) exact matches, in which:
139 unique CDR3
6 unique J



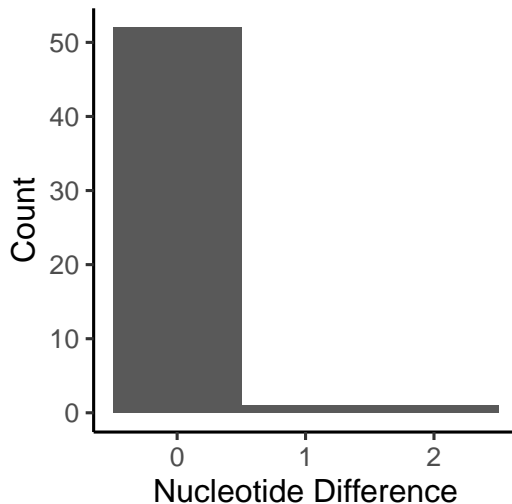
IGHV3–43*02

260 sequences assigned
251 (96.5%) exact matches, in which:
240 unique CDR3
6 unique J



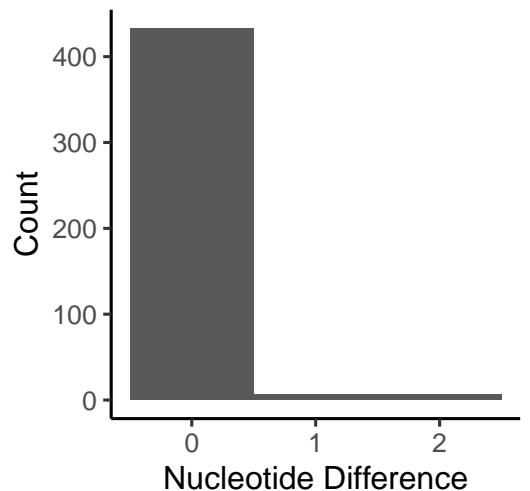
IGHV3–49*04

54 sequences assigned
52 (96.3%) exact matches, in which:
52 unique CDR3
5 unique J



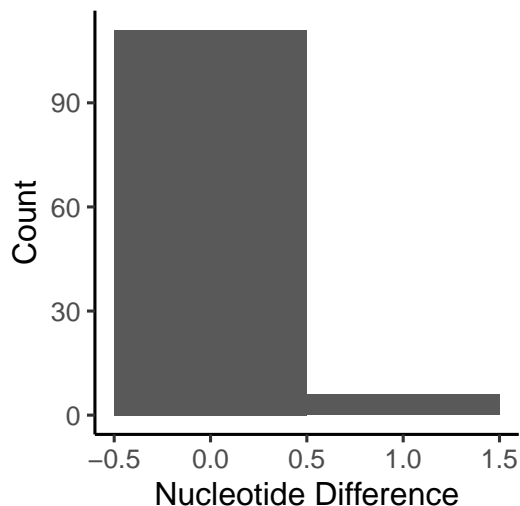
IGHV3–53*01_02

446 sequences assigned
433 (97.1%) exact matches, in which:
425 unique CDR3
6 unique J



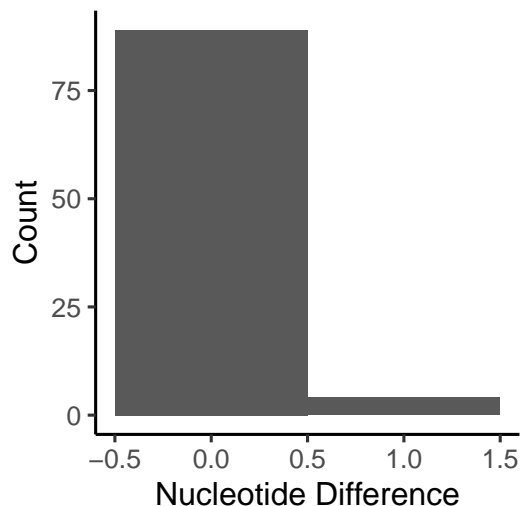
IGHV3-64*01

117 sequences assigned
111 (94.9%) exact matches, in which:
108 unique CDR3
6 unique J



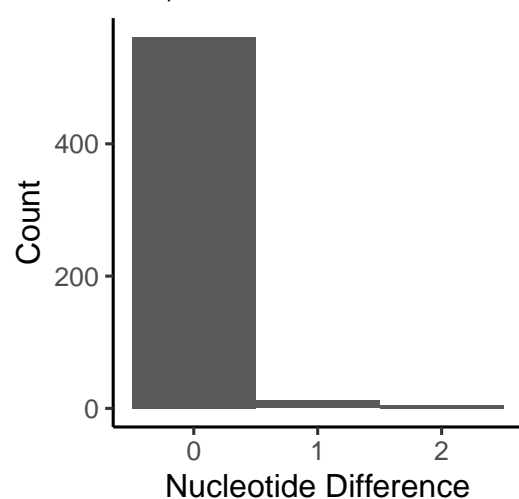
IGHV3-73*01_02

93 sequences assigned
89 (95.7%) exact matches, in which:
89 unique CDR3
6 unique J



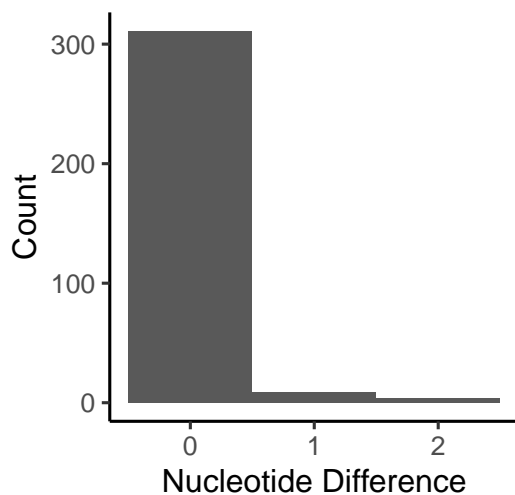
IGHV4-4*07

579 sequences assigned
562 (97.1%) exact matches, in which:
540 unique CDR3
6 unique J



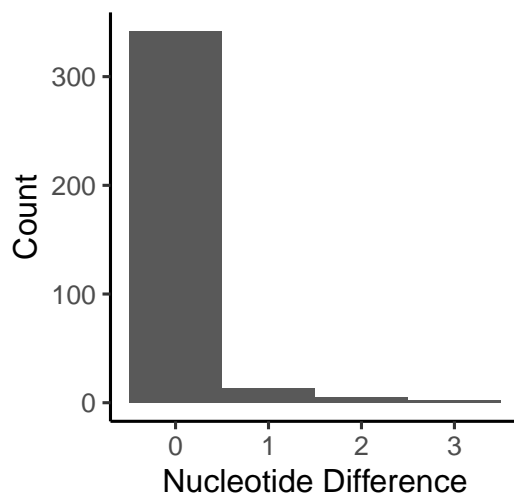
IGHV3-66*01

324 sequences assigned
311 (96%) exact matches, in which:
303 unique CDR3
6 unique J



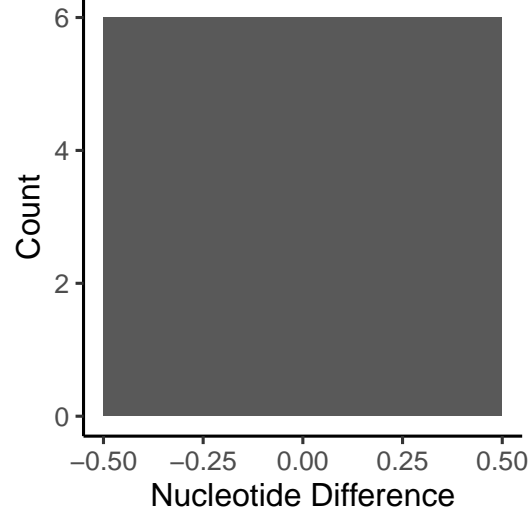
IGHV3-74*01_02

362 sequences assigned
342 (94.5%) exact matches, in which:
335 unique CDR3
7 unique J



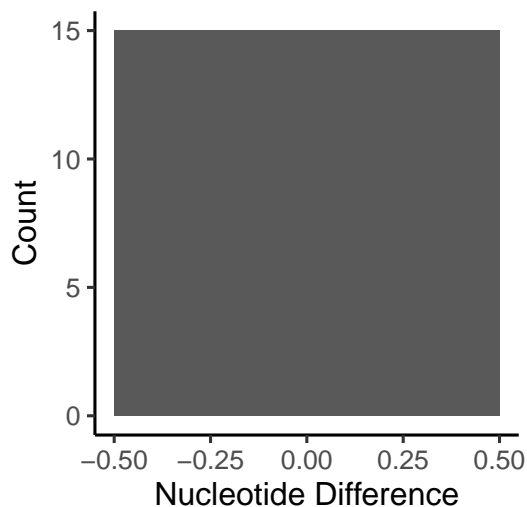
IGHV4-28*01_07

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



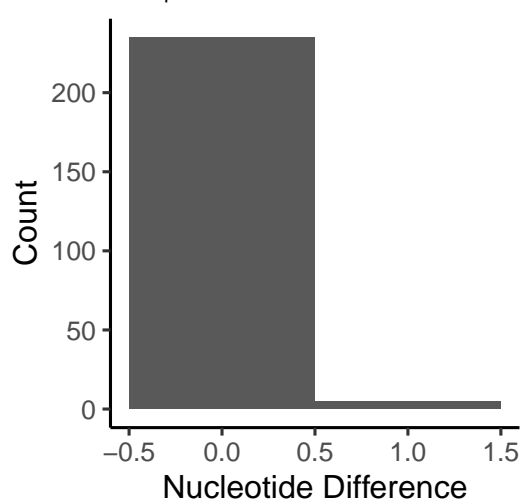
IGHV3-72*01

15 sequences assigned
15 (100%) exact matches, in which:
14 unique CDR3
5 unique J



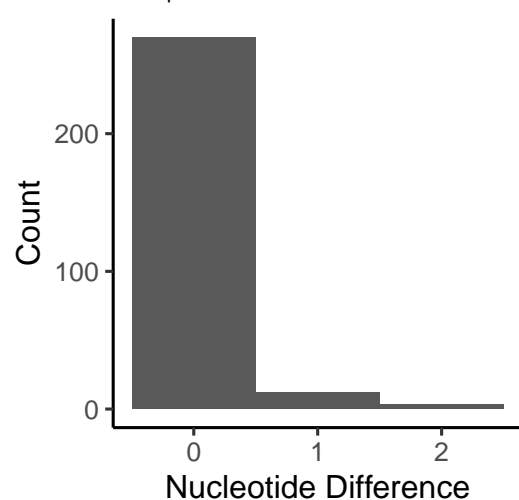
IGHV3-64D*09

240 sequences assigned
235 (97.9%) exact matches, in which:
233 unique CDR3
6 unique J



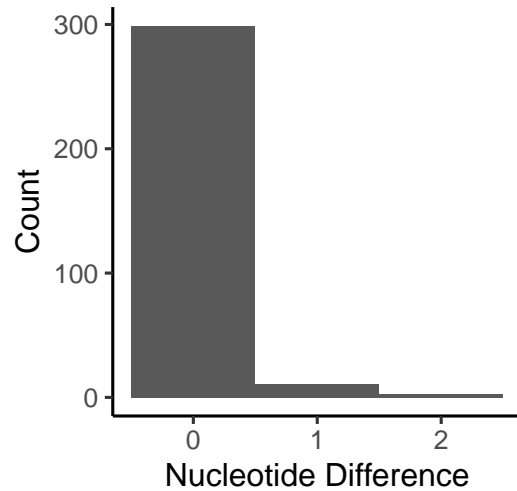
IGHV4-30-2*01

285 sequences assigned
270 (94.7%) exact matches, in which:
268 unique CDR3
6 unique J



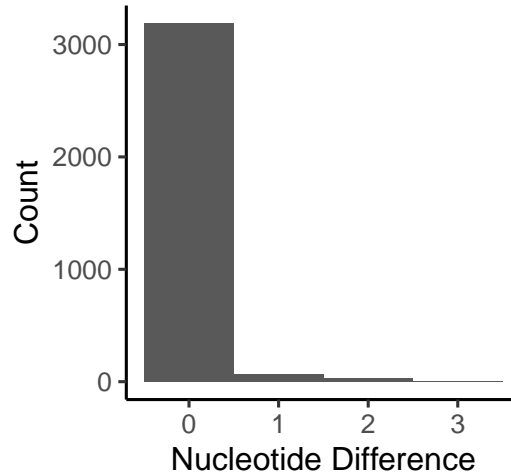
IGHV4-30-4*01

313 sequences assigned
299 (95.5%) exact matches, in which:
297 unique CDR3
6 unique J



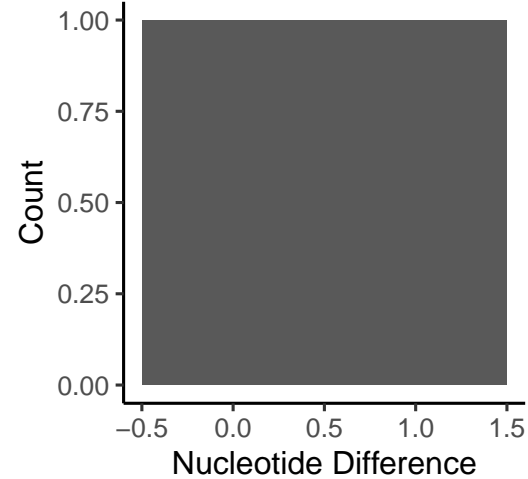
IGHV4-39*02_C258G

3285 sequences assigned
3188 (97%) exact matches, in which:
3112 unique CDR3
7 unique J



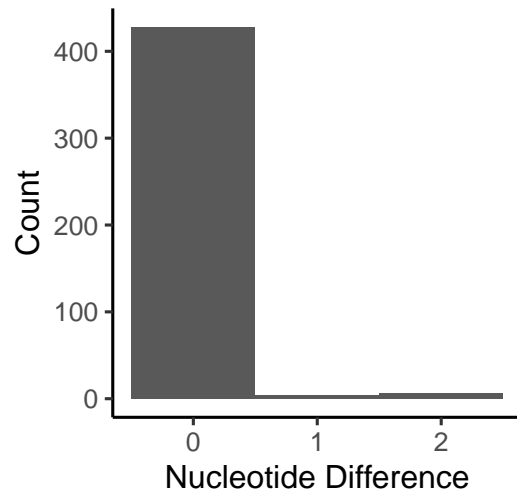
IGHV4-59*11

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



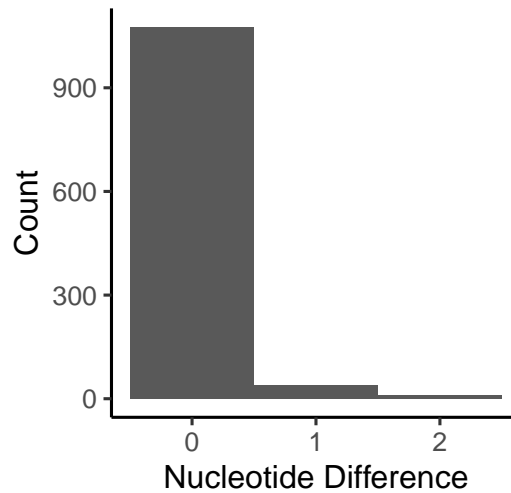
IGHV4-31*02

438 sequences assigned
428 (97.7%) exact matches, in which:
425 unique CDR3
7 unique J



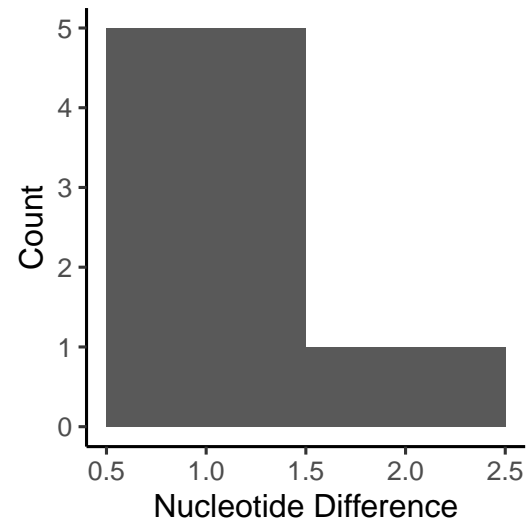
IGHV4-59*08

1125 sequences assigned
1076 (95.6%) exact matches, in which:
1054 unique CDR3
6 unique J



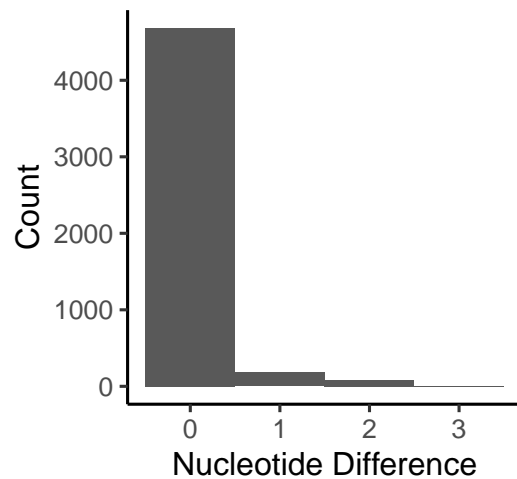
IGHV4-59*12

6 sequences assigned
No exact matches.



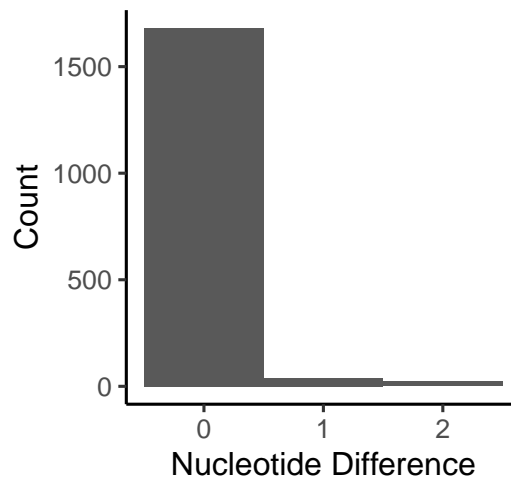
IGHV4-34*01_02

4944 sequences assigned
4683 (94.7%) exact matches, in which:
4567 unique CDR3
7 unique J



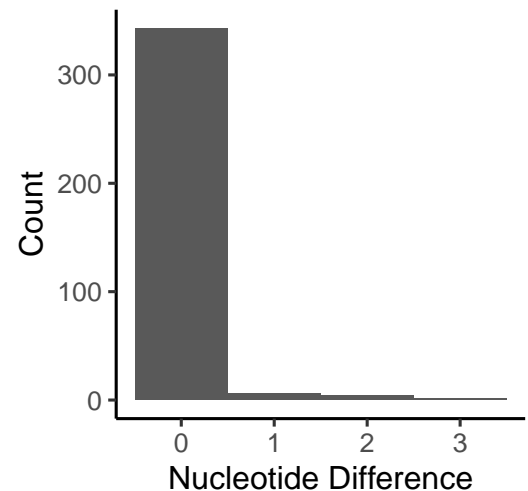
IGHV4-59*01_07

1744 sequences assigned
1681 (96.4%) exact matches, in which:
1644 unique CDR3
7 unique J



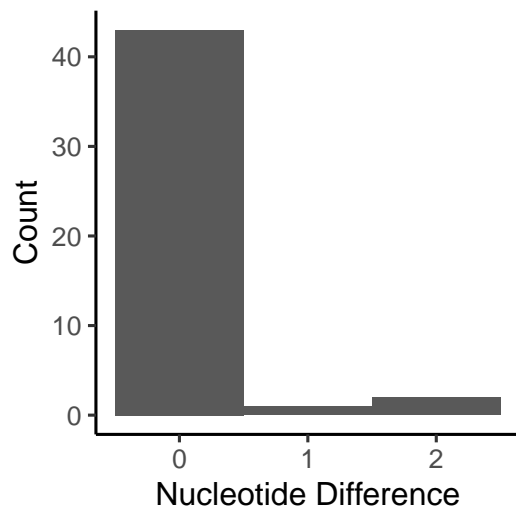
IGHV4-61*01

354 sequences assigned
343 (96.9%) exact matches, in which:
339 unique CDR3
6 unique J



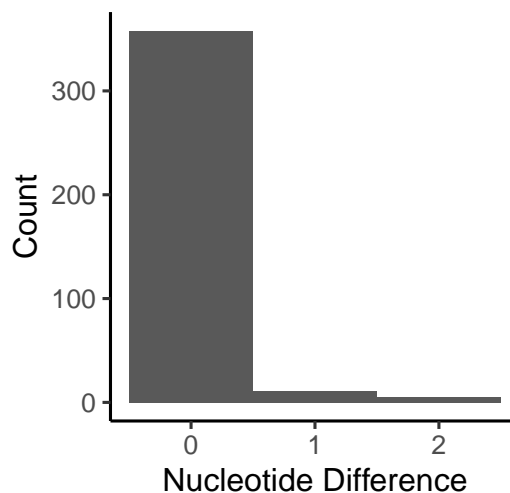
IGHV5-10-1*01_03

46 sequences assigned
43 (93.5%) exact matches, in which:
43 unique CDR3
5 unique J



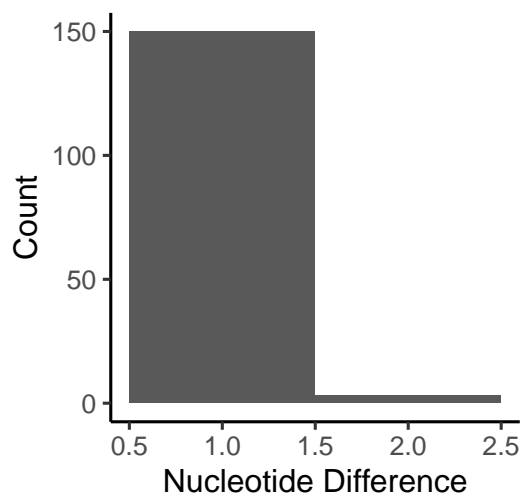
IGHV6-1*01_02

374 sequences assigned
358 (95.7%) exact matches, in which:
357 unique CDR3
7 unique J



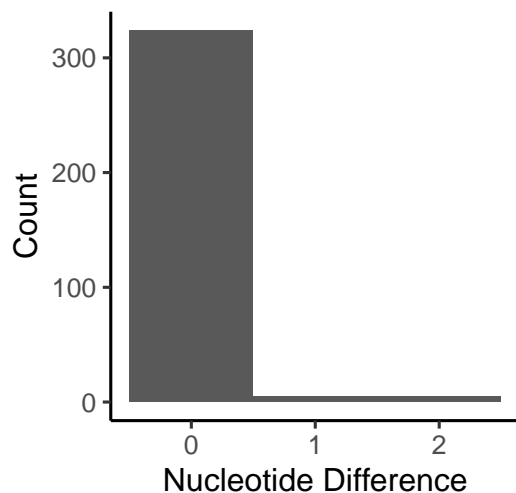
IGHV5-51*07

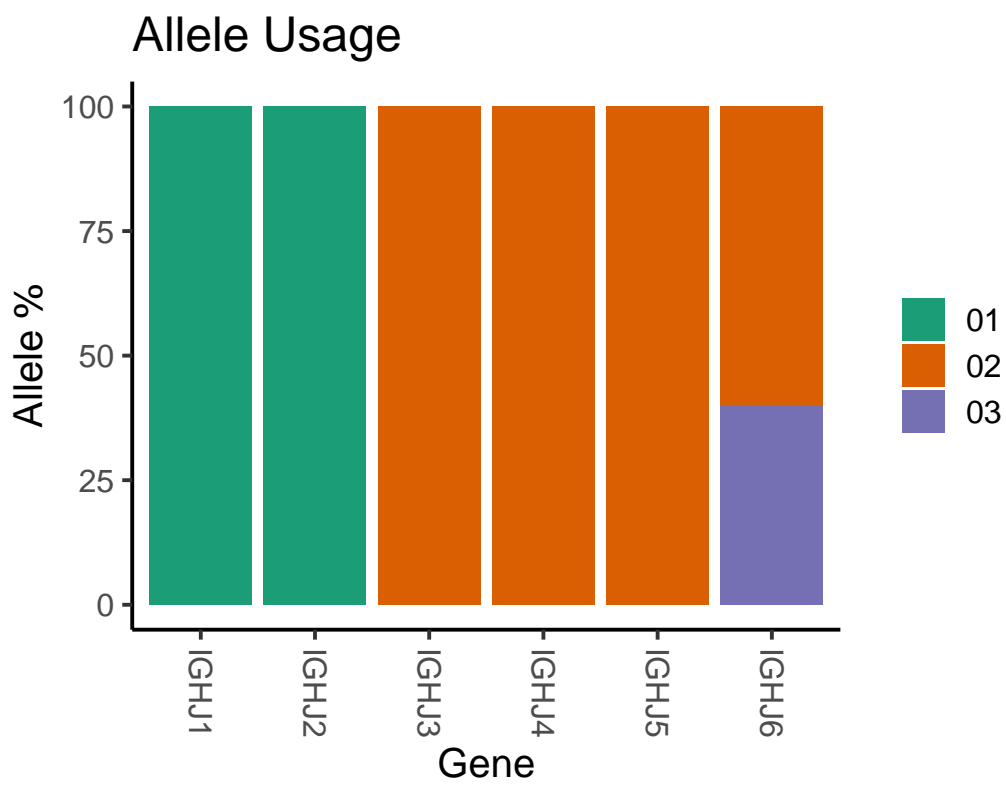
153 sequences assigned
No exact matches.



IGHV5-51*01_03

334 sequences assigned
324 (97%) exact matches, in which:
322 unique CDR3
7 unique J





Sequence Count byIGHJ6 allele usage



Warning – no inferred sequences found.