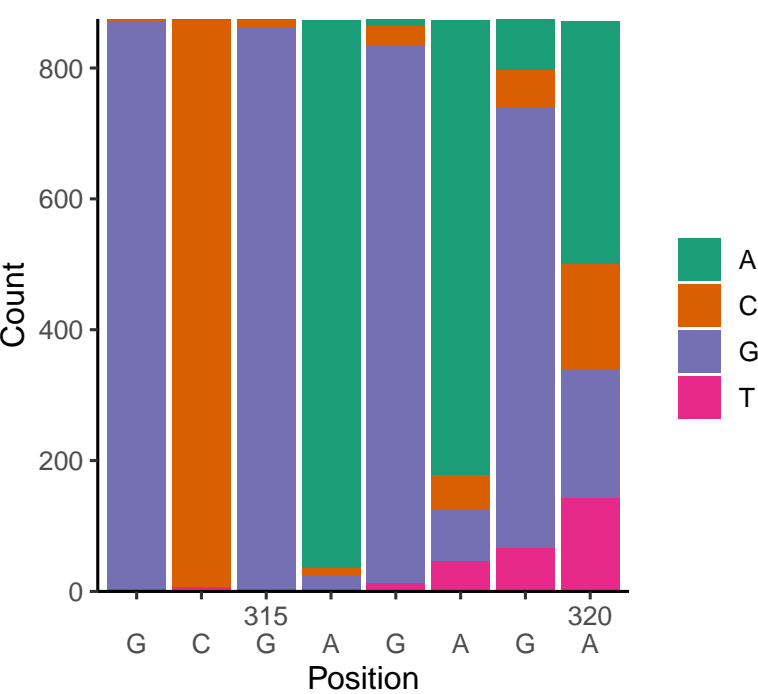


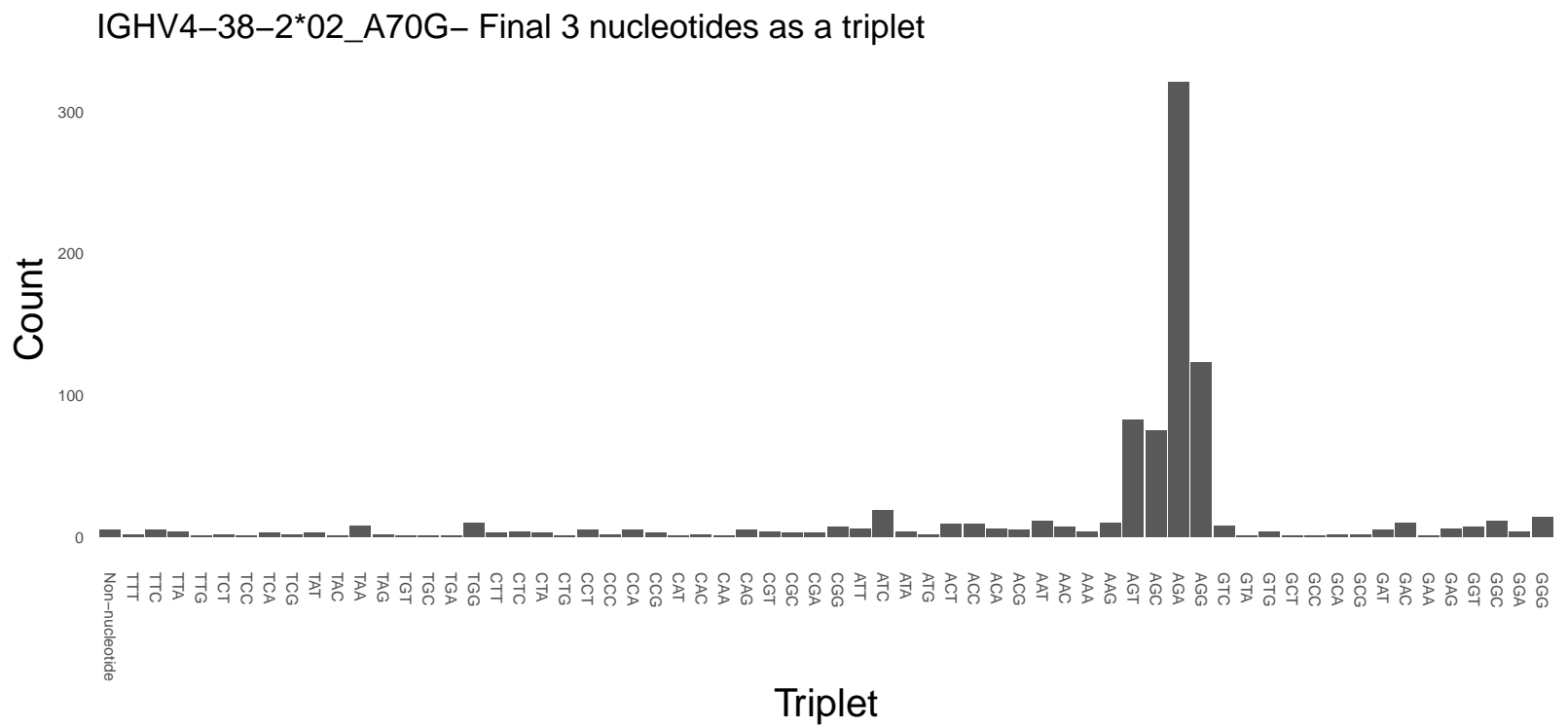
Gene IGHV4-38-2*02_A70G



Gene IGHV4-38-2*02_A70G

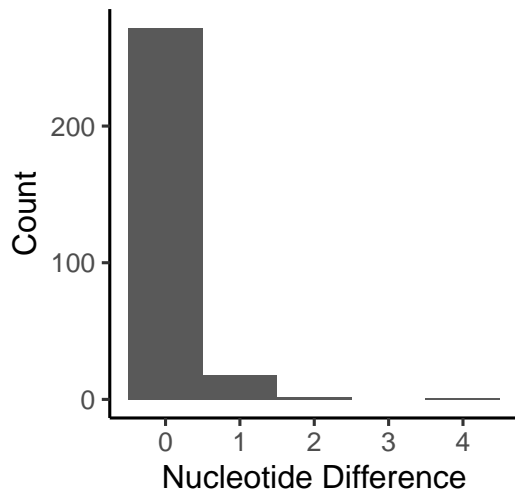


IGHV4-38-2*02_A70G- Final 3 nucleotides as a triplet



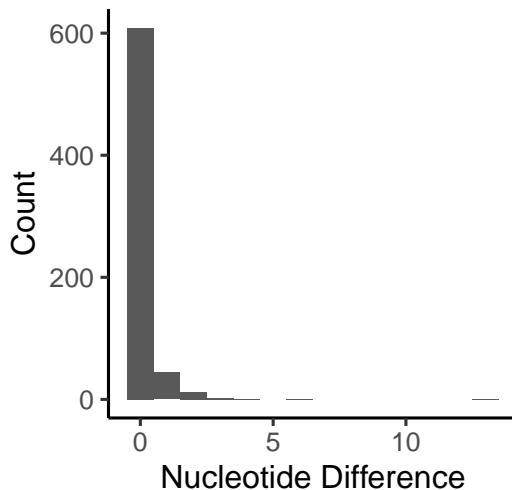
IGHV1-2*04

293 sequences assigned
272 (92.8%) exact matches, in which:
259 unique CDR3
7 unique J



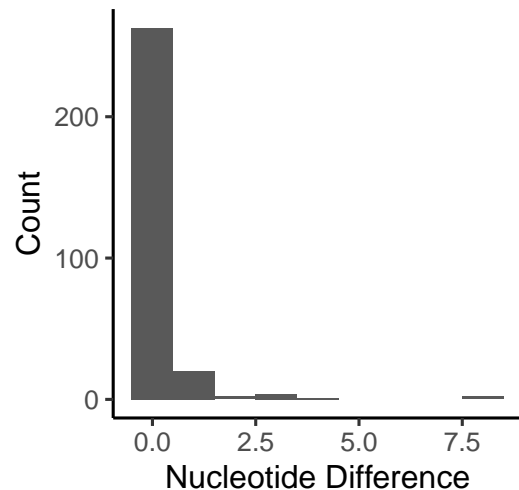
IGHV1-18*04

670 sequences assigned
609 (90.9%) exact matches, in which:
587 unique CDR3
6 unique J



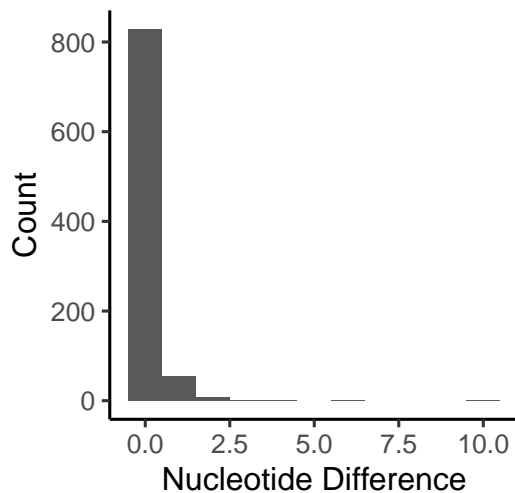
IGHV1-46*01

292 sequences assigned
263 (90.1%) exact matches, in which:
249 unique CDR3
7 unique J



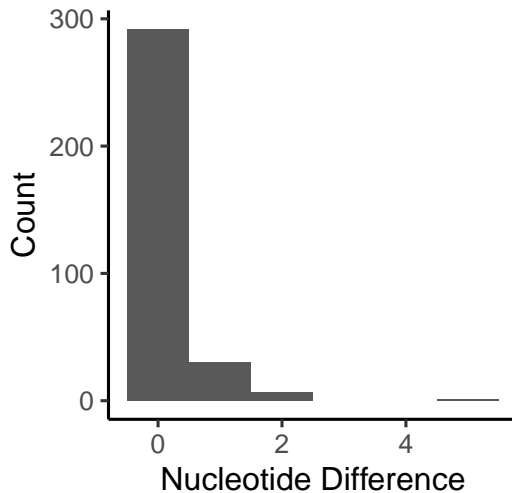
IGHV1-3*01

899 sequences assigned
829 (92.2%) exact matches, in which:
796 unique CDR3
7 unique J



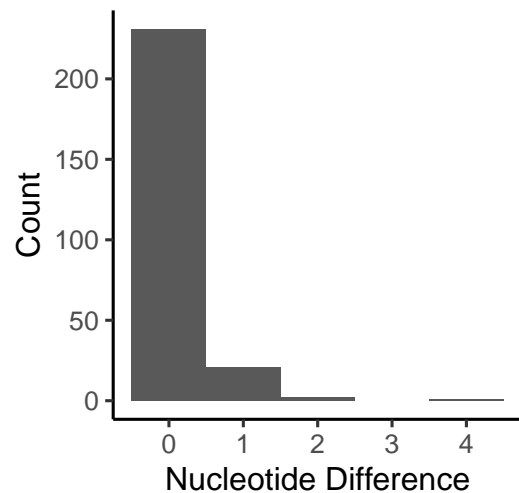
IGHV1-24*01

330 sequences assigned
292 (88.5%) exact matches, in which:
278 unique CDR3
7 unique J



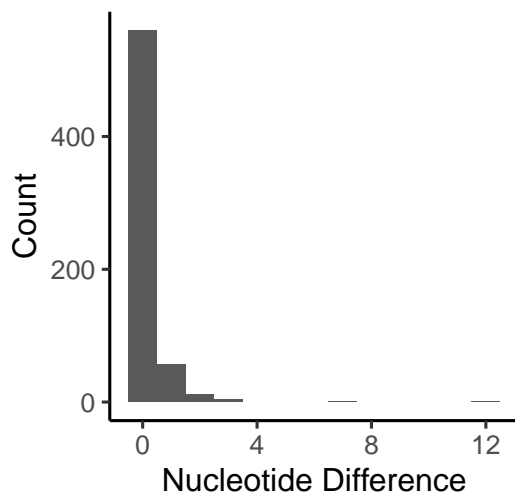
IGHV1-46*03

255 sequences assigned
231 (90.6%) exact matches, in which:
220 unique CDR3
6 unique J



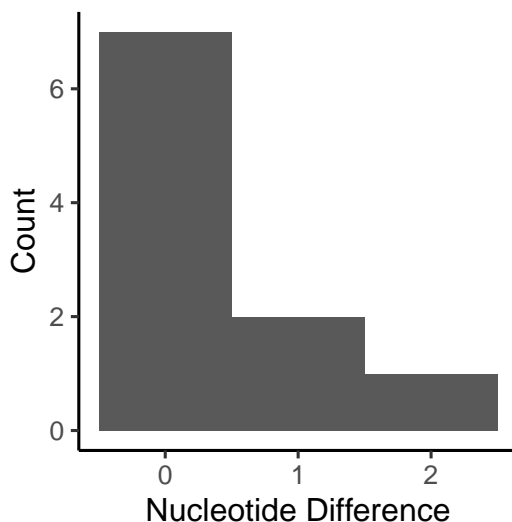
IGHV1-18*01

634 sequences assigned
560 (88.3%) exact matches, in which:
539 unique CDR3
6 unique J



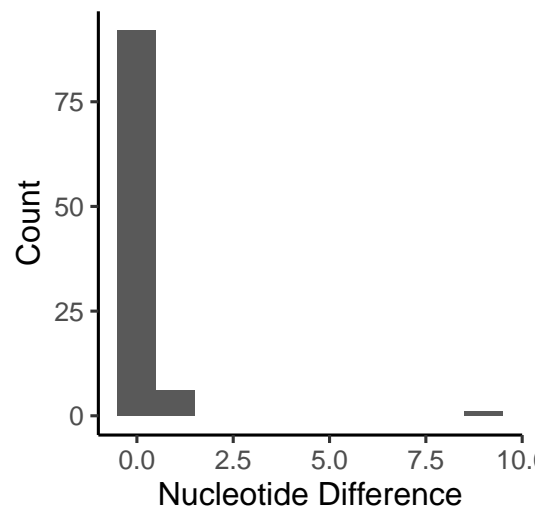
IGHV1-45*02

10 sequences assigned
7 (70%) exact matches, in which:
7 unique CDR3
4 unique J



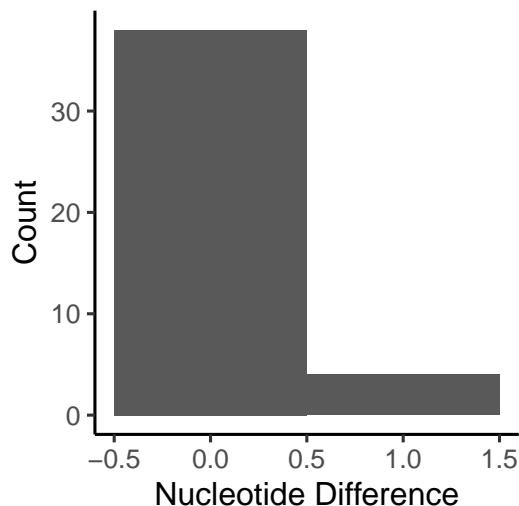
IGHV1-58*01

99 sequences assigned
92 (92.9%) exact matches, in which:
86 unique CDR3
6 unique J



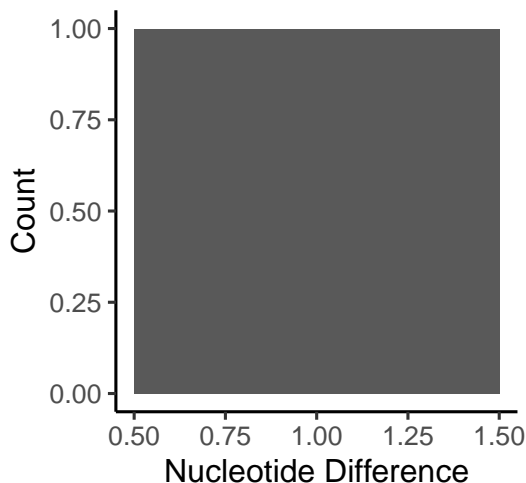
IGHV1-58*02

42 sequences assigned
38 (90.5%) exact matches, in which:
36 unique CDR3
5 unique J



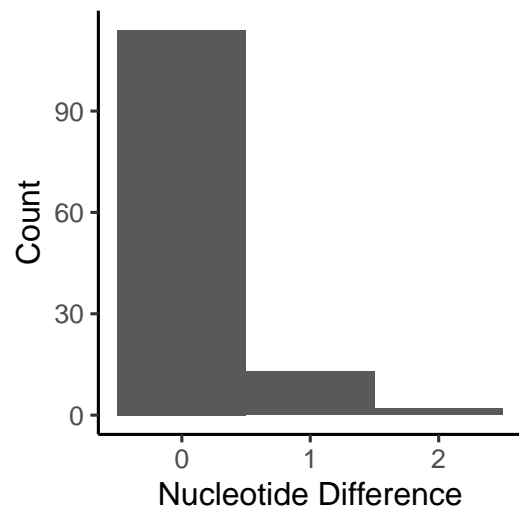
IGHV1-NL1*01

1 sequences assigned
No exact matches.



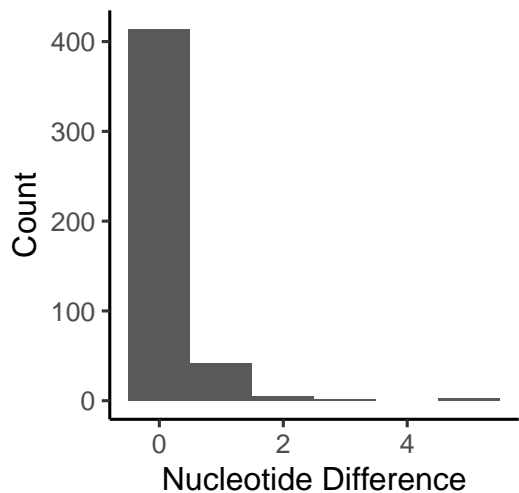
IGHV2-70*01

129 sequences assigned
114 (88.4%) exact matches, in which:
112 unique CDR3
5 unique J



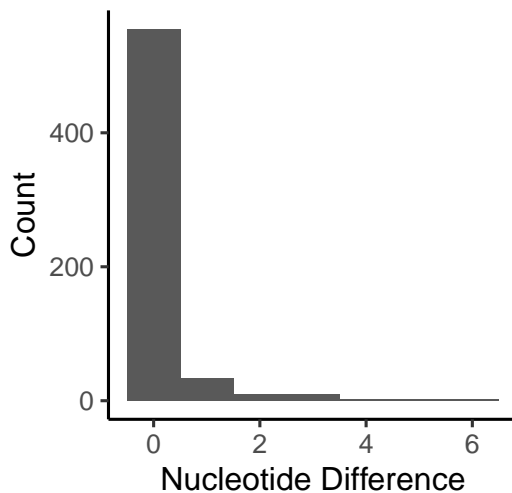
IGHV1-69*02

466 sequences assigned
414 (88.8%) exact matches, in which:
387 unique CDR3
6 unique J



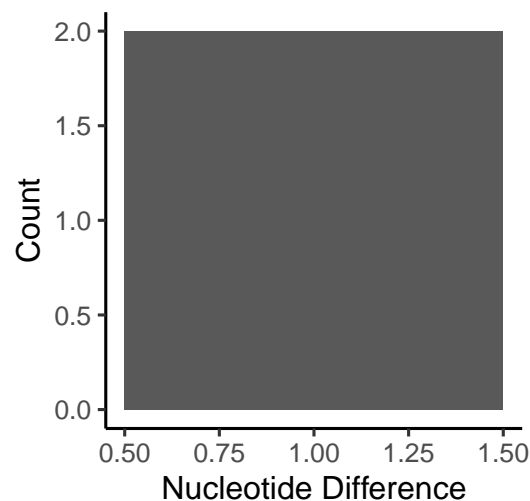
IGHV2-5*02

614 sequences assigned
555 (90.4%) exact matches, in which:
501 unique CDR3
7 unique J



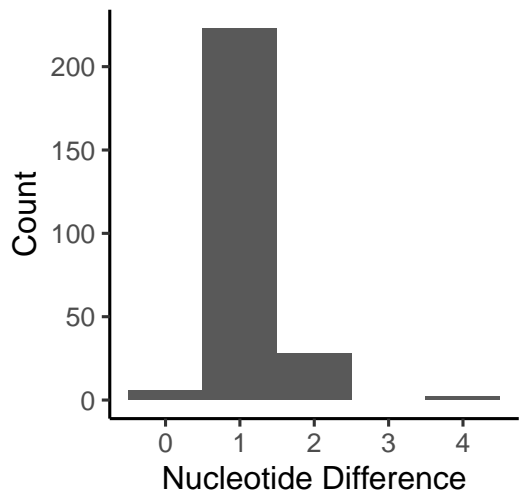
IGHV2-70D*04

2 sequences assigned
No exact matches.



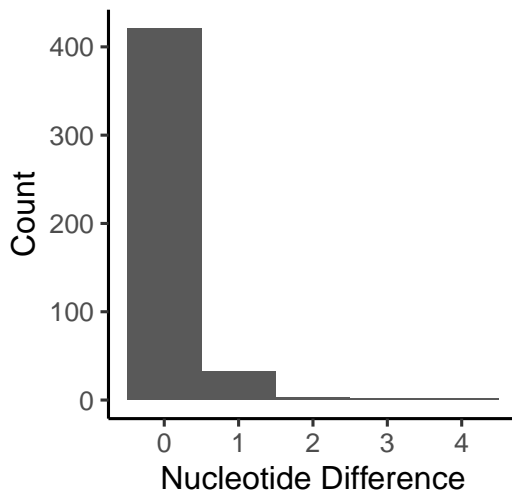
IGHV1-69*08

259 sequences assigned
6 (2.3%) exact matches, in which:
6 unique CDR3
3 unique J



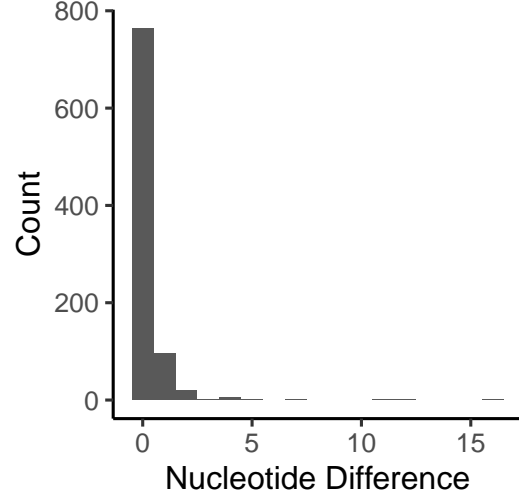
IGHV2-26*01

460 sequences assigned
421 (91.5%) exact matches, in which:
397 unique CDR3
7 unique J



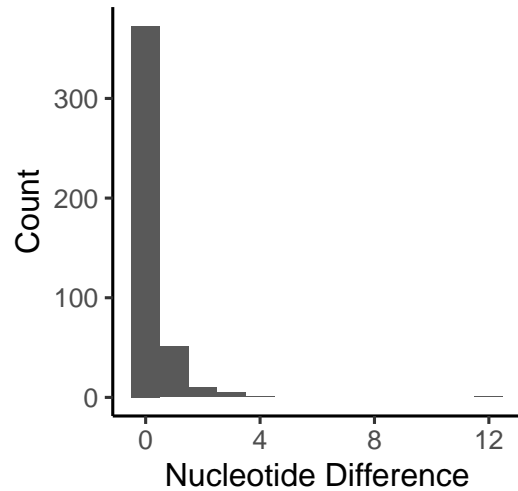
IGHV3-7*03

893 sequences assigned
764 (85.6%) exact matches, in which:
726 unique CDR3
7 unique J



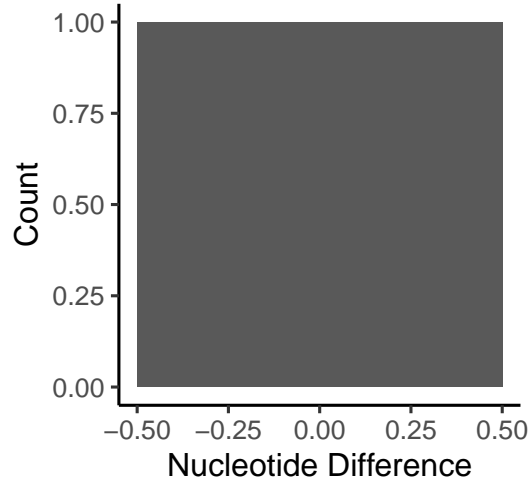
IGHV3-11*06

441 sequences assigned
373 (84.6%) exact matches, in which:
357 unique CDR3
7 unique J



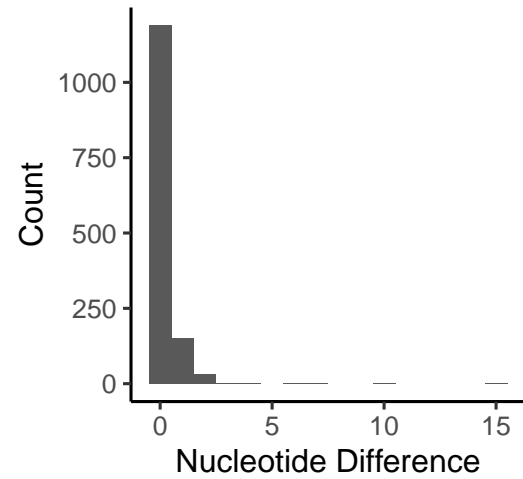
IGHV3-19*01

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



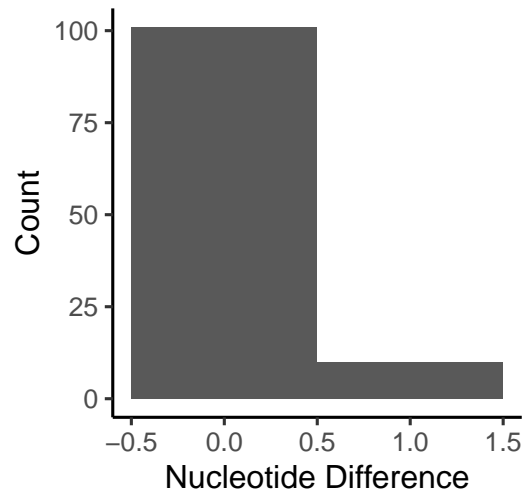
IGHV3-23*04

1379 sequences assigned
1189 (86.2%) exact matches, in which:
1143 unique CDR3
6 unique J



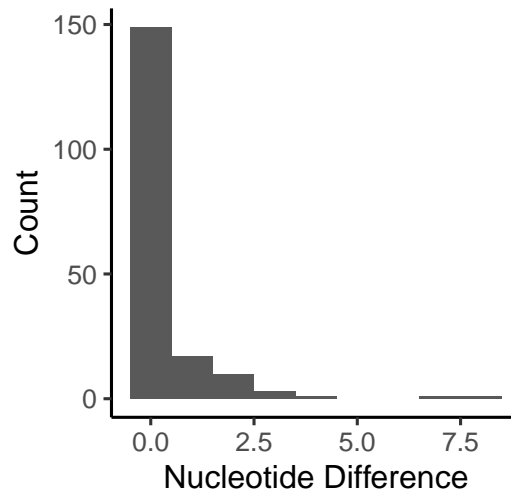
IGHV3-13*05

111 sequences assigned
101 (91%) exact matches, in which:
91 unique CDR3
5 unique J



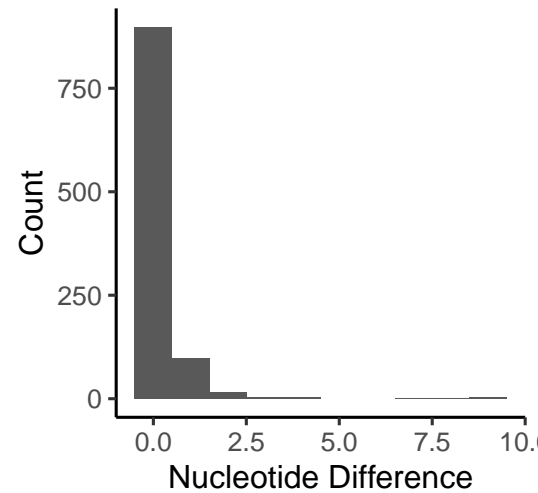
IGHV3-20*04

182 sequences assigned
149 (81.9%) exact matches, in which:
140 unique CDR3
6 unique J



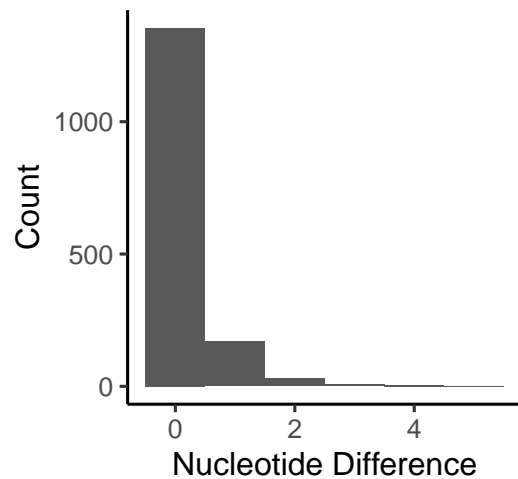
IGHV3-30*01

1025 sequences assigned
898 (87.6%) exact matches, in which:
855 unique CDR3
6 unique J



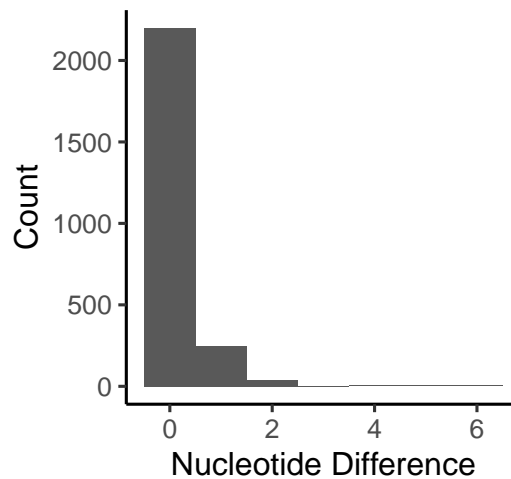
IGHV3-15*01

1567 sequences assigned
1354 (86.4%) exact matches, in which:
1289 unique CDR3
7 unique J



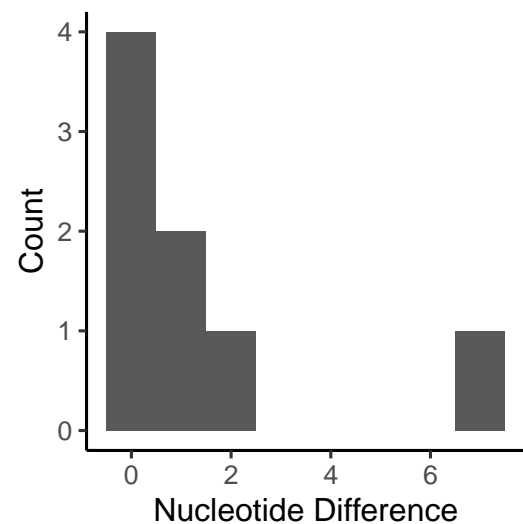
IGHV3-21*01

2502 sequences assigned
2199 (87.9%) exact matches, in which:
2081 unique CDR3
7 unique J



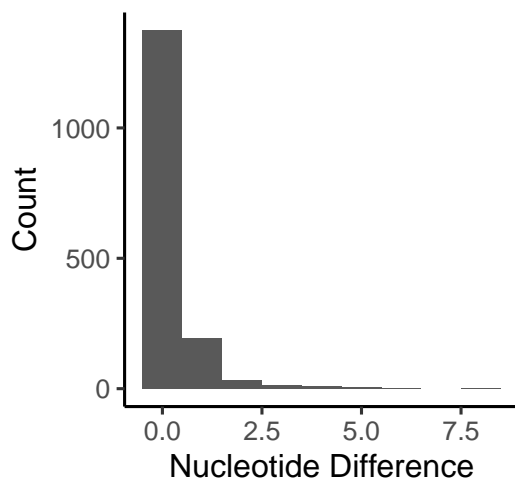
IGHV3-30-3*03

8 sequences assigned
4 (50%) exact matches, in which:
4 unique CDR3
2 unique J



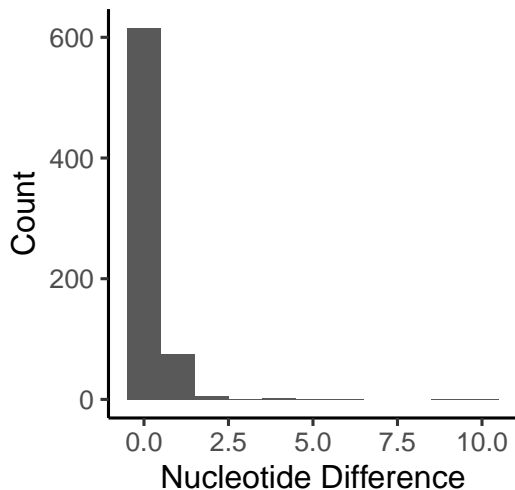
IGHV3–33*01

1628 sequences assigned
1374 (84.4%) exact matches, in which:
1298 unique CDR3
7 unique J



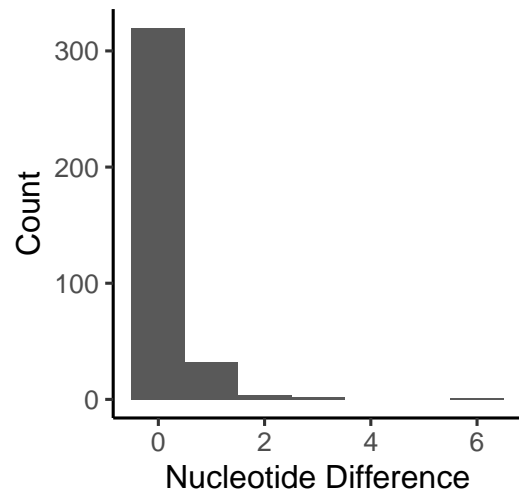
IGHV3–48*01

704 sequences assigned
616 (87.5%) exact matches, in which:
592 unique CDR3
6 unique J



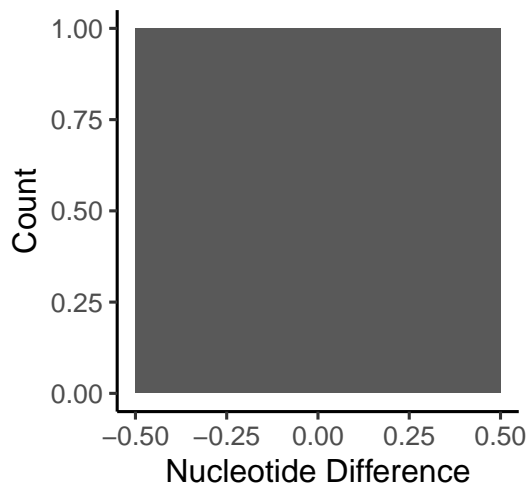
IGHV3–49*04

359 sequences assigned
320 (89.1%) exact matches, in which:
307 unique CDR3
6 unique J



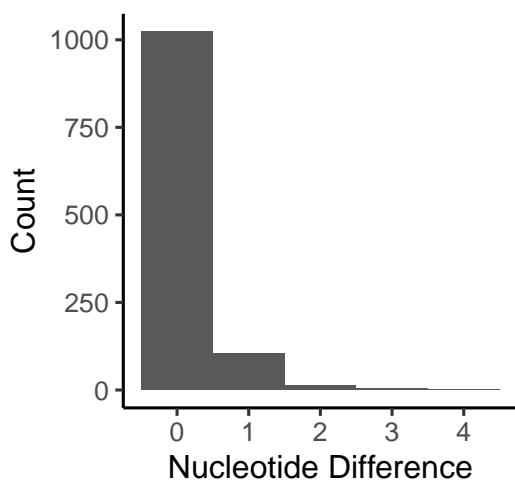
IGHV3–35*02

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



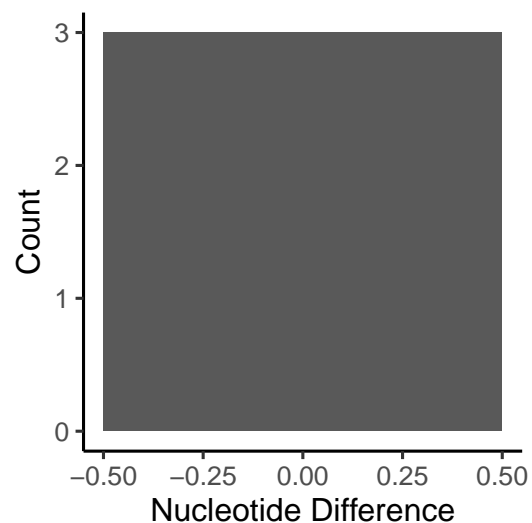
IGHV3–48*03

1145 sequences assigned
1023 (89.3%) exact matches, in which:
986 unique CDR3
6 unique J



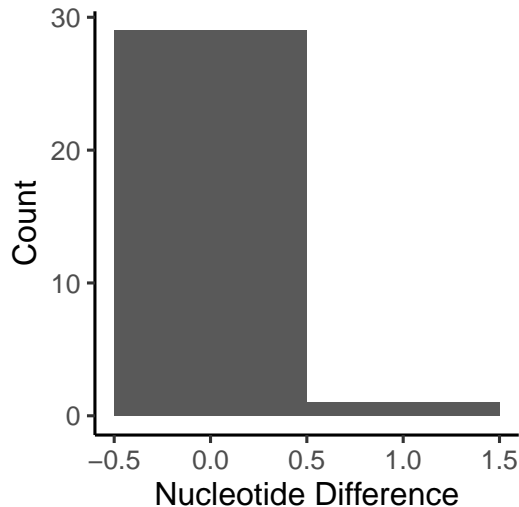
IGHV3–52*01

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



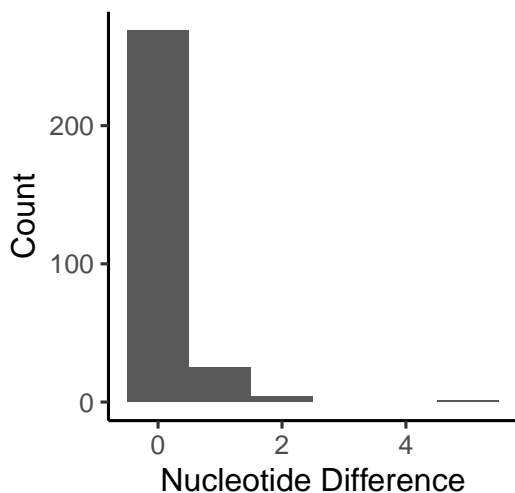
IGHV3–43*01

30 sequences assigned
29 (96.7%) exact matches, in which:
29 unique CDR3
6 unique J



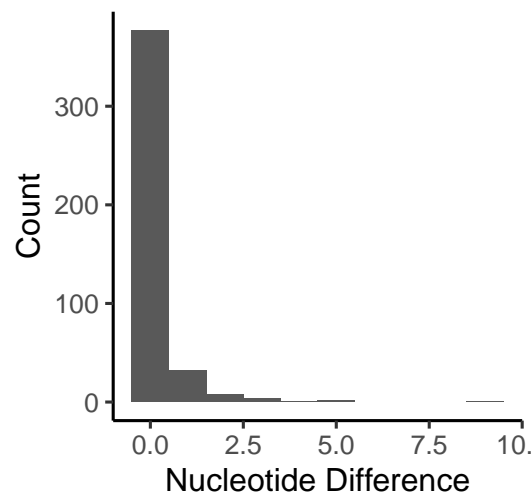
IGHV3–49*03

299 sequences assigned
269 (90%) exact matches, in which:
261 unique CDR3
6 unique J



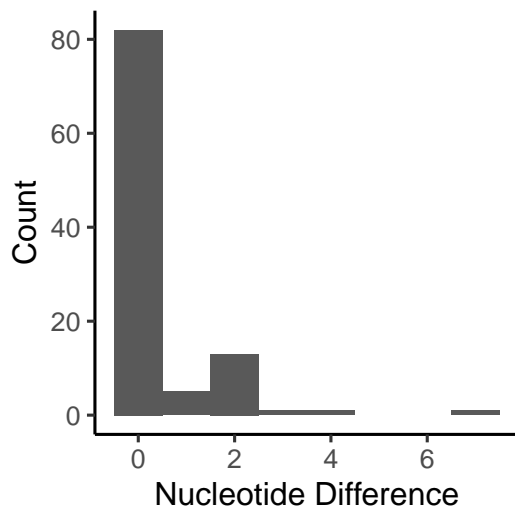
IGHV3–53*02

425 sequences assigned
377 (88.7%) exact matches, in which:
361 unique CDR3
7 unique J



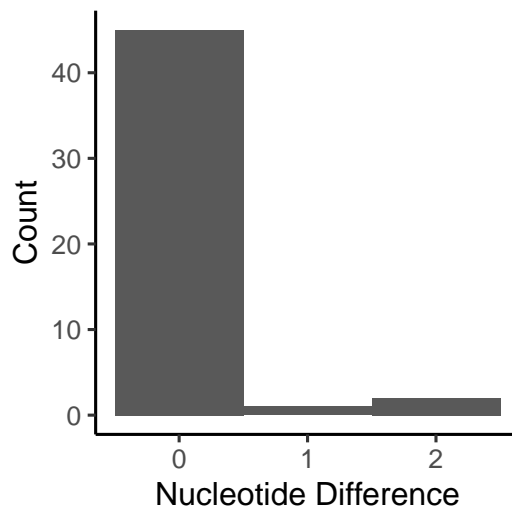
IGHV3-64*01

103 sequences assigned
82 (79.6%) exact matches, in which:
80 unique CDR3
6 unique J



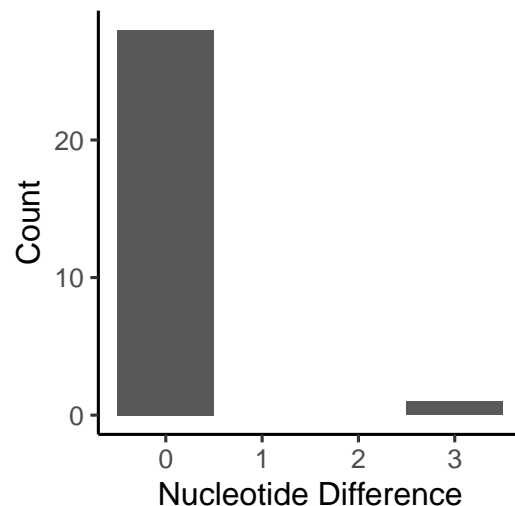
IGHV3-73*01

49 sequences assigned
45 (91.8%) exact matches, in which:
43 unique CDR3
5 unique J



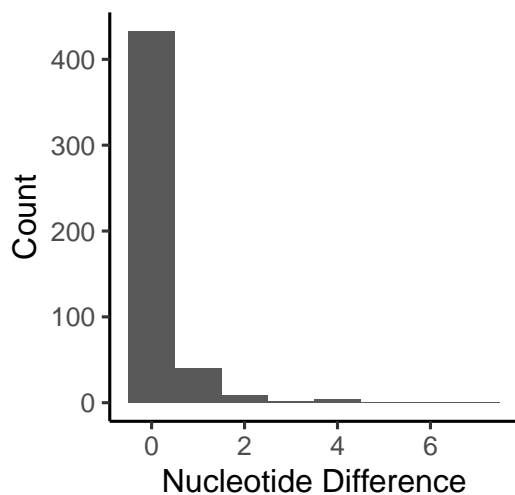
IGHV3-43D*04

29 sequences assigned
28 (96.6%) exact matches, in which:
27 unique CDR3
3 unique J



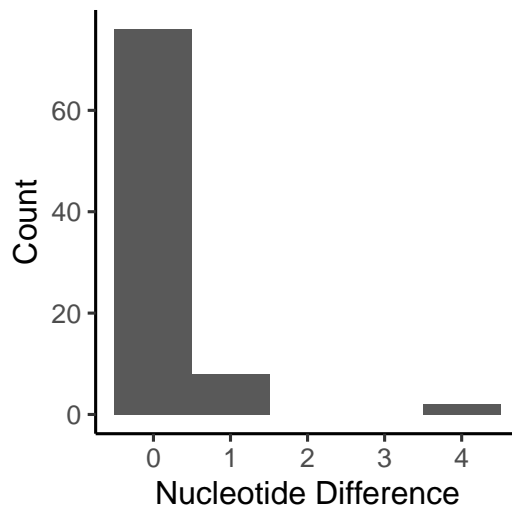
IGHV3-66*02

491 sequences assigned
433 (88.2%) exact matches, in which:
402 unique CDR3
7 unique J



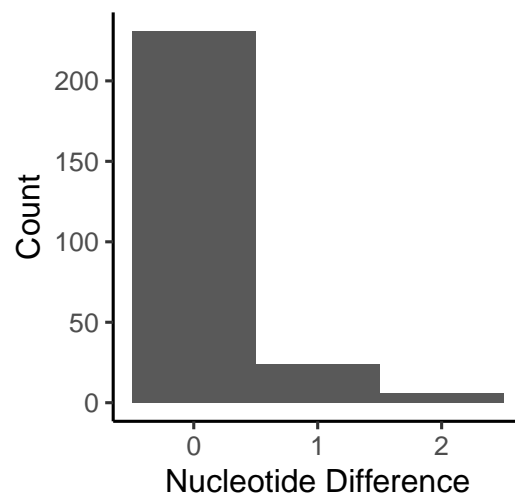
IGHV3-73*02

86 sequences assigned
76 (88.4%) exact matches, in which:
72 unique CDR3
6 unique J



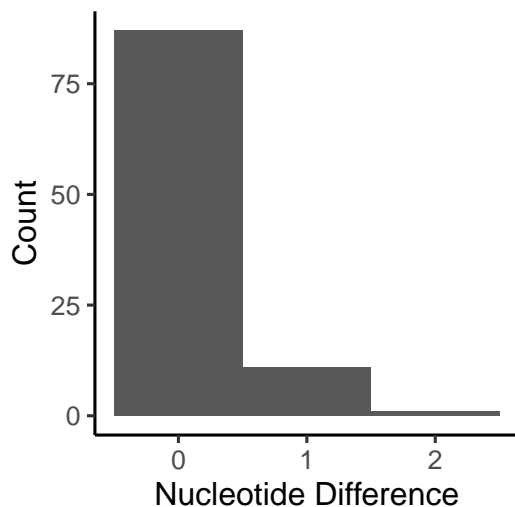
IGHV3-64D*06

261 sequences assigned
231 (88.5%) exact matches, in which:
219 unique CDR3
6 unique J



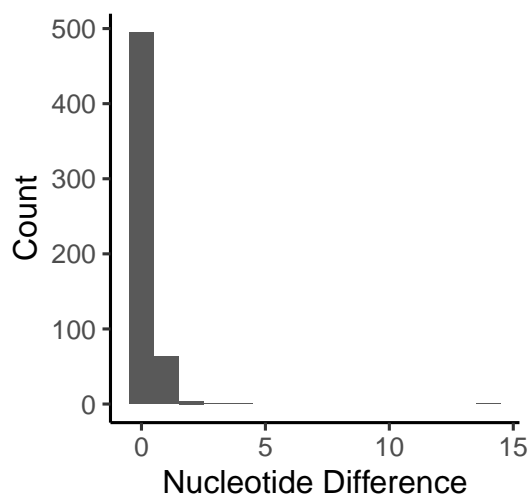
IGHV3-72*01

99 sequences assigned
87 (87.9%) exact matches, in which:
80 unique CDR3
7 unique J



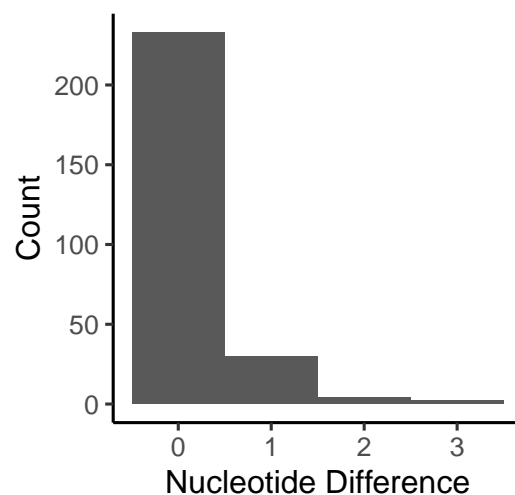
IGHV3-74*01

565 sequences assigned
495 (87.6%) exact matches, in which:
470 unique CDR3
7 unique J



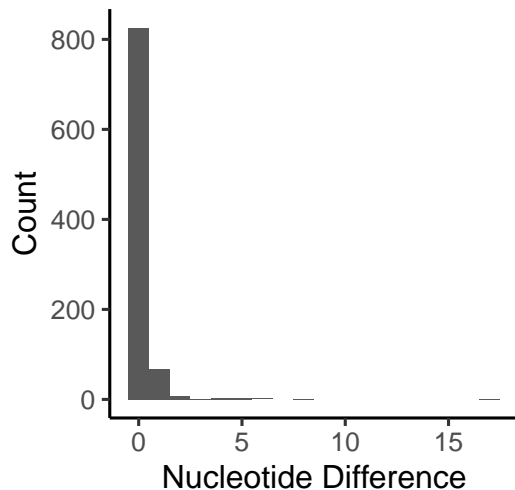
IGHV3-64D*09

269 sequences assigned
233 (86.6%) exact matches, in which:
217 unique CDR3
6 unique J



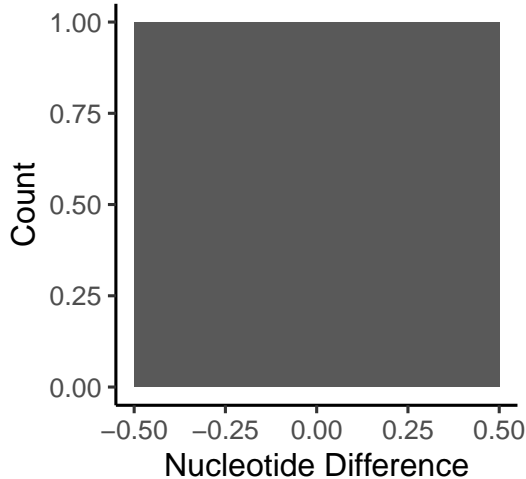
IGHV4-4*02

912 sequences assigned
826 (90.6%) exact matches, in which:
795 unique CDR3
7 unique J



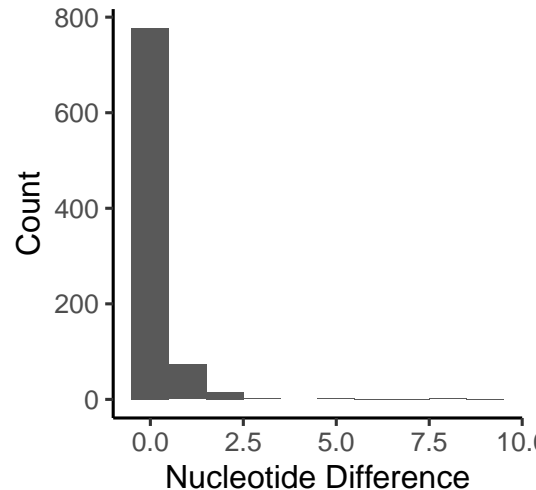
IGHV4-30-4*01

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



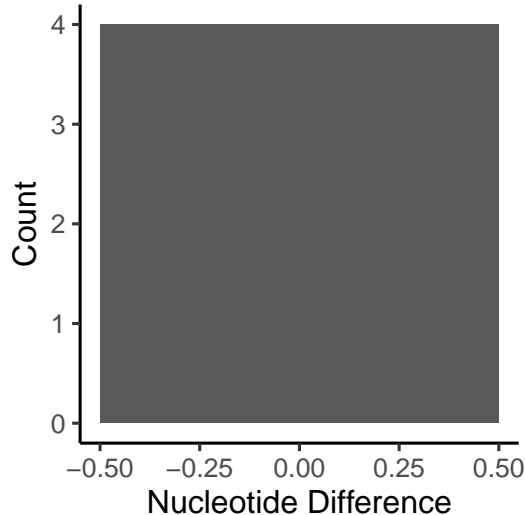
IGHV4-38-2*02_A70G

875 sequences assigned
778 (88.9%) exact matches, in which:
723 unique CDR3
7 unique J



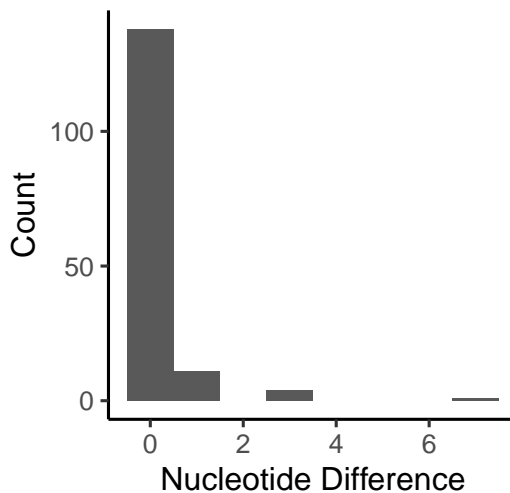
IGHV4-28*01

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



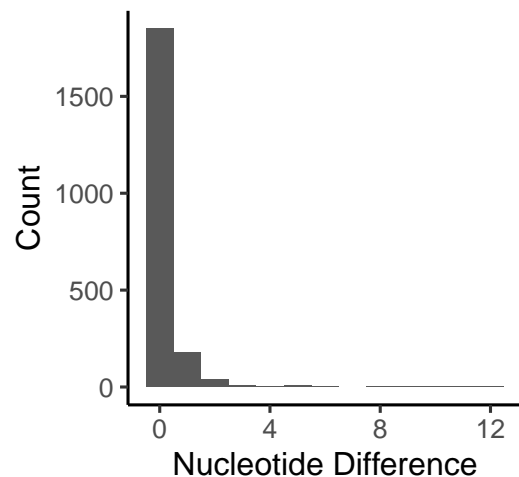
IGHV4-31*01

154 sequences assigned
138 (89.6%) exact matches, in which:
134 unique CDR3
5 unique J



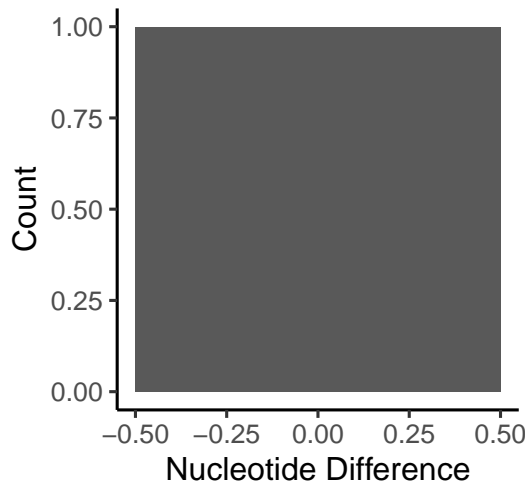
IGHV4-39*01

2091 sequences assigned
1849 (88.4%) exact matches, in which:
1709 unique CDR3
7 unique J



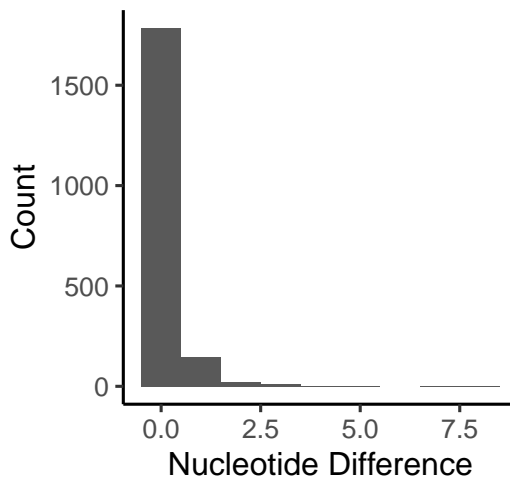
IGHV4-28*02

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



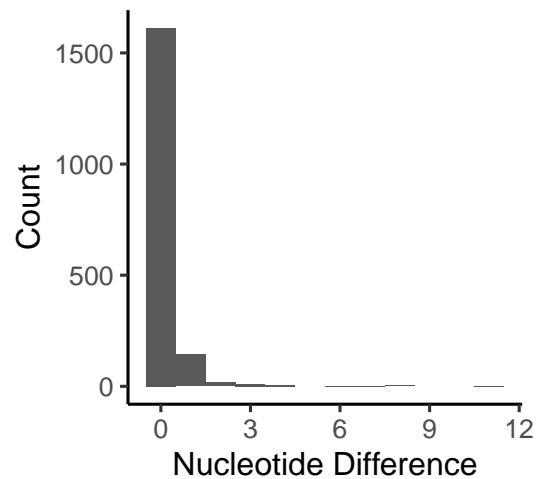
IGHV4-34*01

1972 sequences assigned
1785 (90.5%) exact matches, in which:
1655 unique CDR3
7 unique J



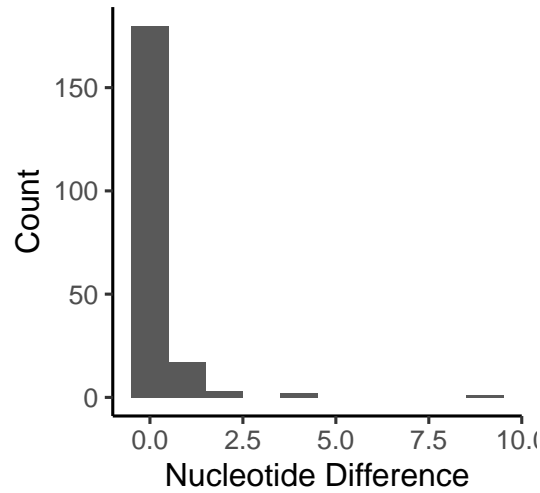
IGHV4-59*01

1796 sequences assigned
1612 (89.8%) exact matches, in which:
1550 unique CDR3
7 unique J



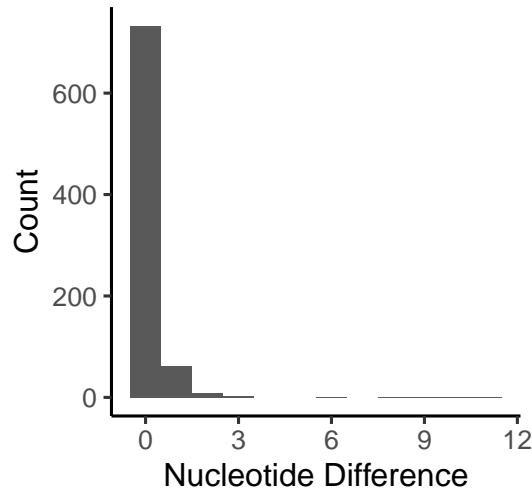
IGHV4–61*01

203 sequences assigned
180 (88.7%) exact matches, in which:
171 unique CDR3
6 unique J



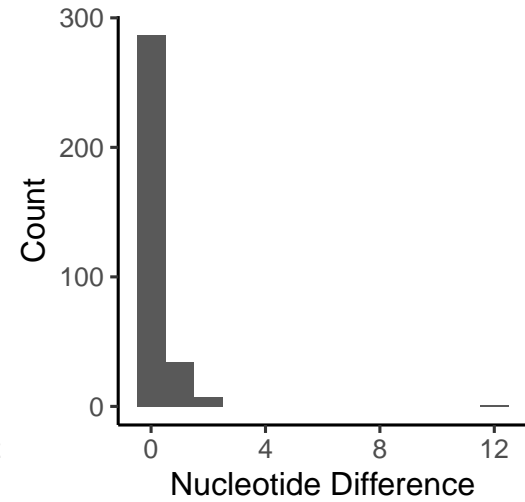
IGHV5–10–1*03

812 sequences assigned
733 (90.3%) exact matches, in which:
695 unique CDR3
7 unique J



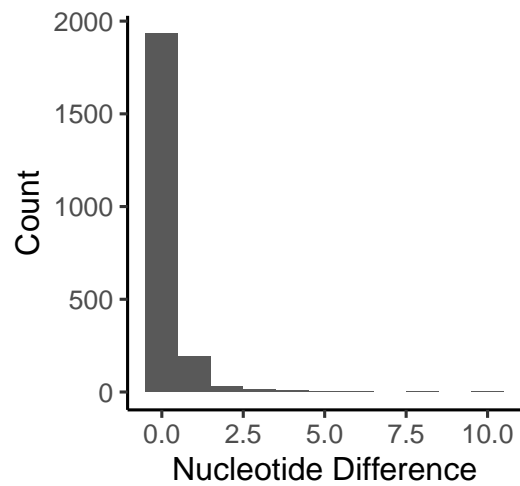
IGHV6–1*01

329 sequences assigned
287 (87.2%) exact matches, in which:
270 unique CDR3
7 unique J



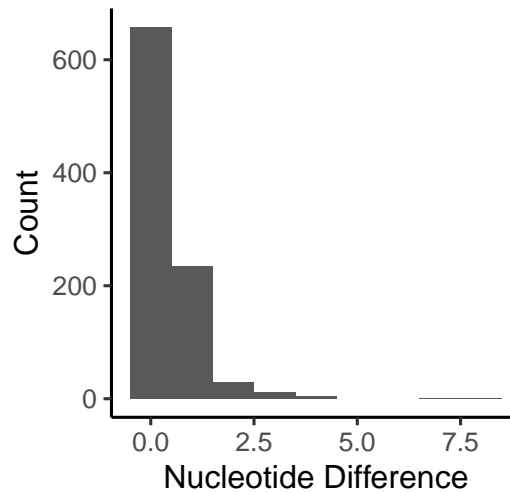
IGHV4–61*02

2187 sequences assigned
1932 (88.3%) exact matches, in which:
1820 unique CDR3
7 unique J



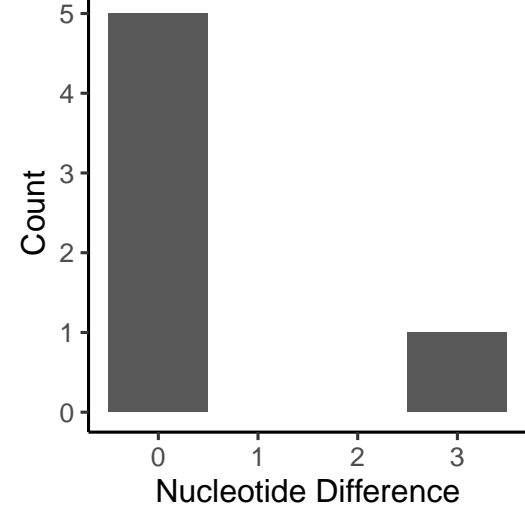
IGHV5–51*01

940 sequences assigned
658 (70%) exact matches, in which:
632 unique CDR3
7 unique J



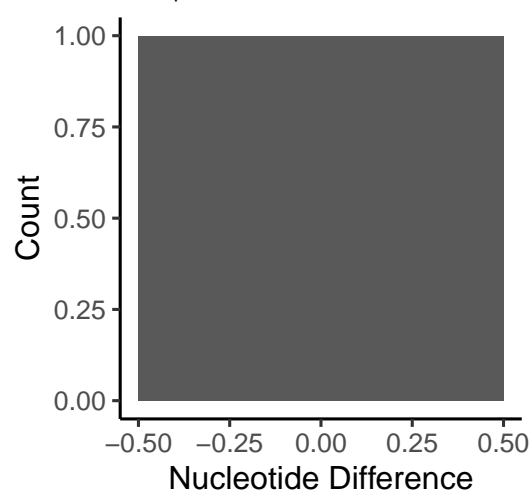
IGHV7–4–1*01

6 sequences assigned
5 (83.3%) exact matches, in which:
4 unique CDR3
4 unique J



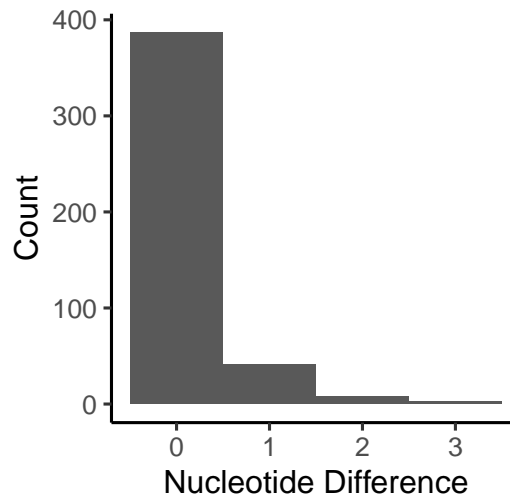
IGHV1/OR15–4*01

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

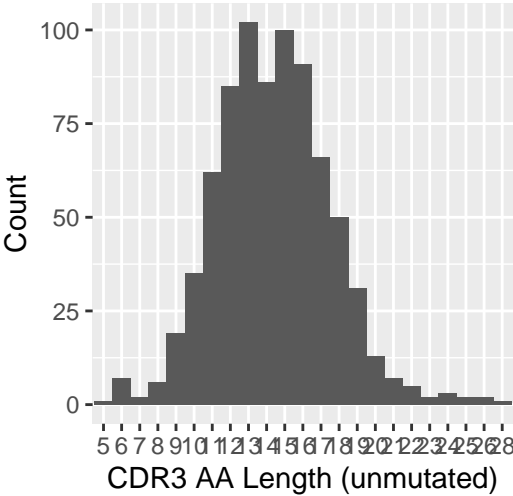


IGHV5–51*03

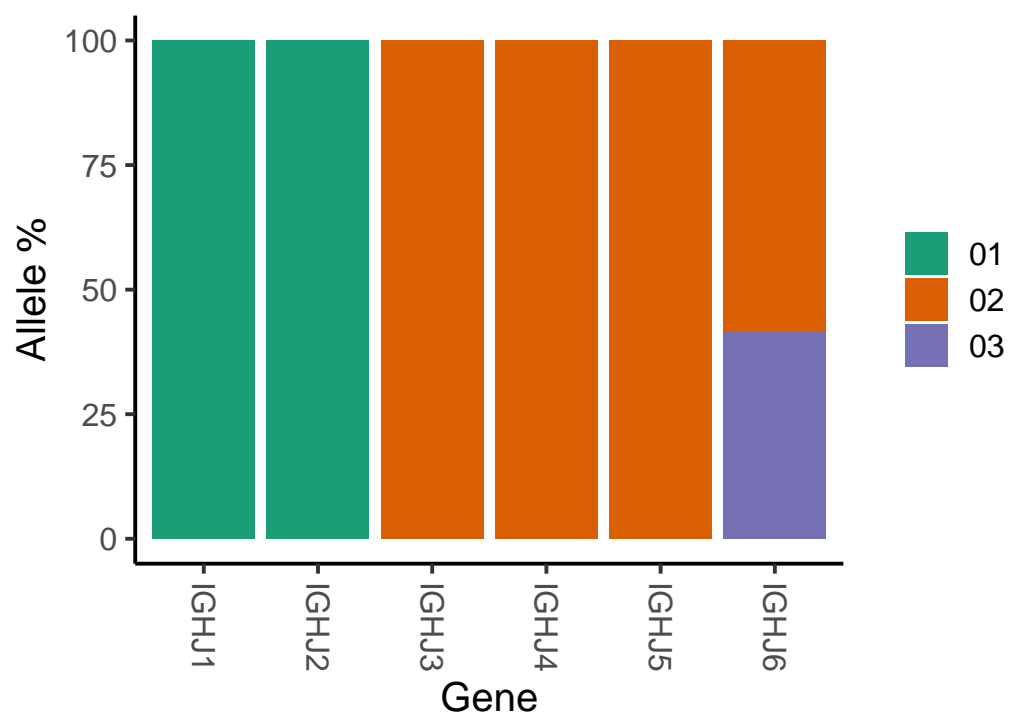
439 sequences assigned
387 (88.2%) exact matches, in which:
365 unique CDR3
6 unique J



IGHV4-38-2*02_A70G



Allele Usage



Sequence Count by IGHJ6 allele usage

