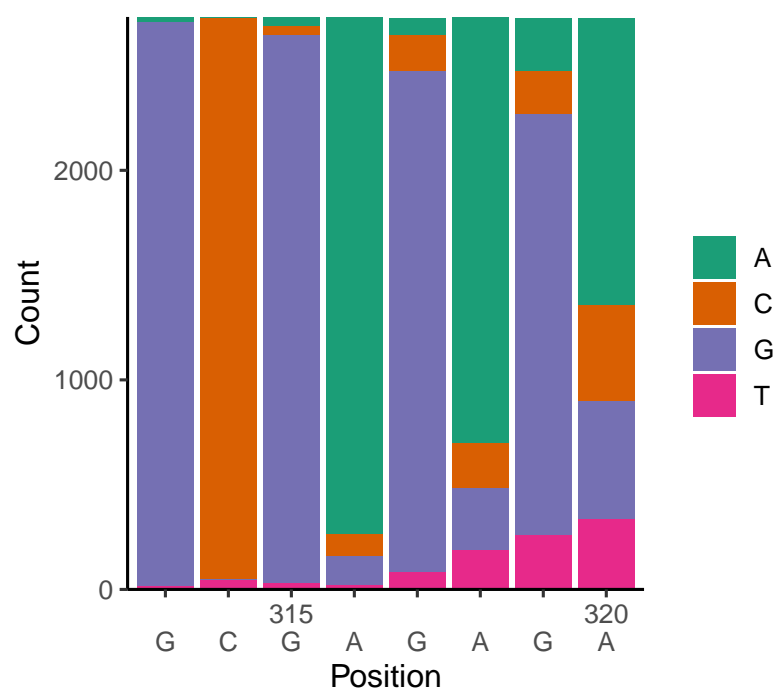
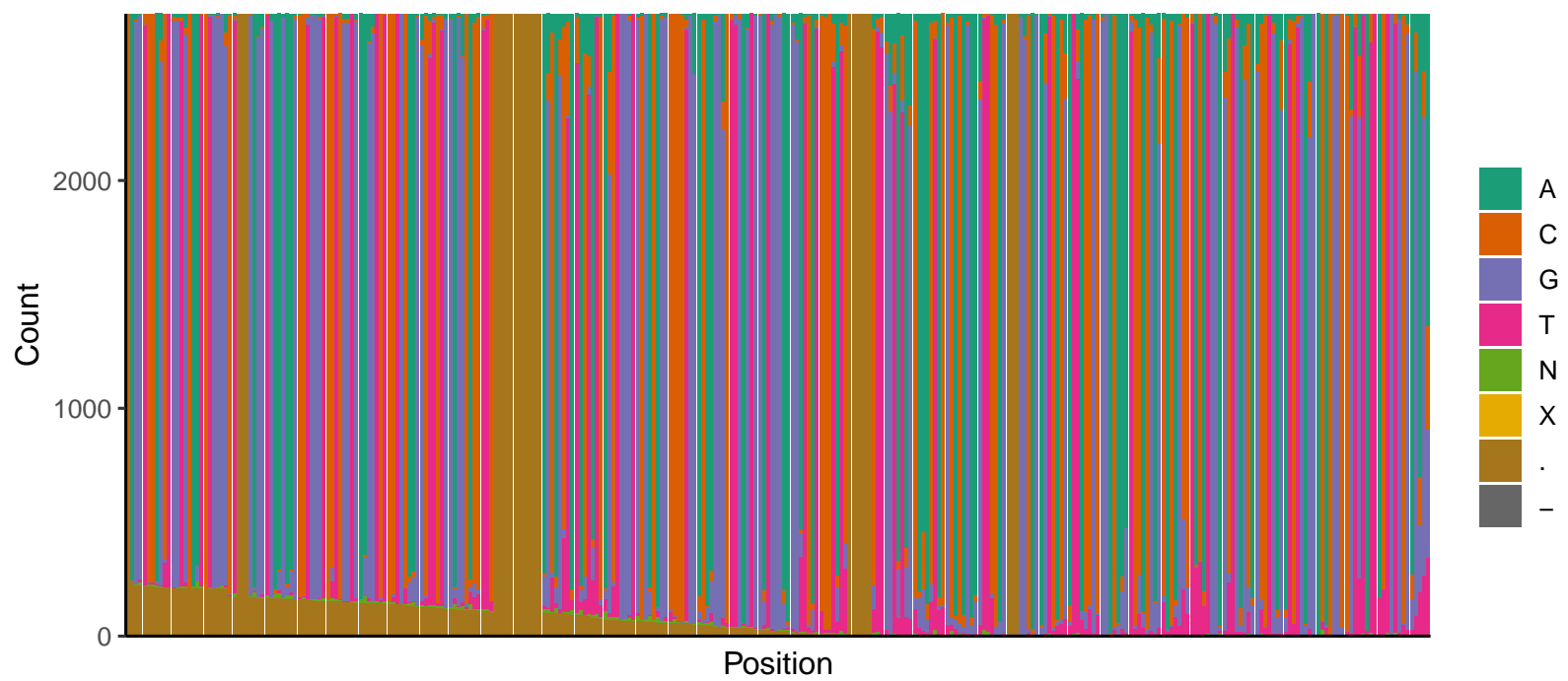


Gene IGHV1-69*08_C191T



Gene IGHV1-69*08_C191T



IGHV1-69*08_C191T- Final 3 nucleotides as a triplet

Count

1200
900
600
300
0

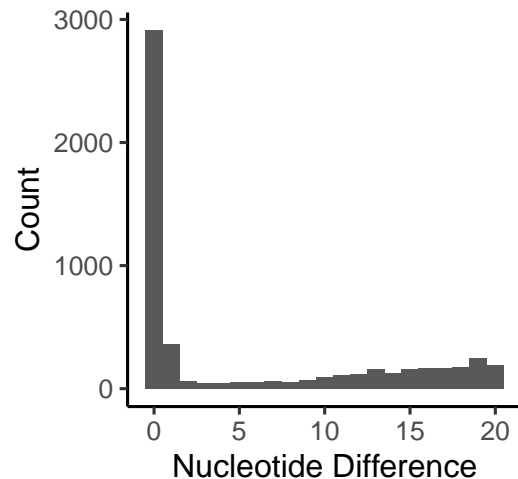
Triplet

Non-nucleotide
TTT
TTC
TTA
TTG
TCT
TCG
TCA
TAT
TAA
TAG
TGT
TGA
TGC
TGG
CTT
CTC
CTA
CTG
CCT
CCC
CCA
CCG
CAT
CAC
CAA
CAG
CGT
CGC
CGA
CGG
ATT
ATC
ATA
ATG
ACT
ACC
ACA
ACG
AAT
AAC
AAA
AAG
AGT
AGC
AGA
AGG
GTT
GTC
GTA
GCT
GOC
GCA
GCG
GAT
GAC
GAA
GGT
GGC
GGA
GGG



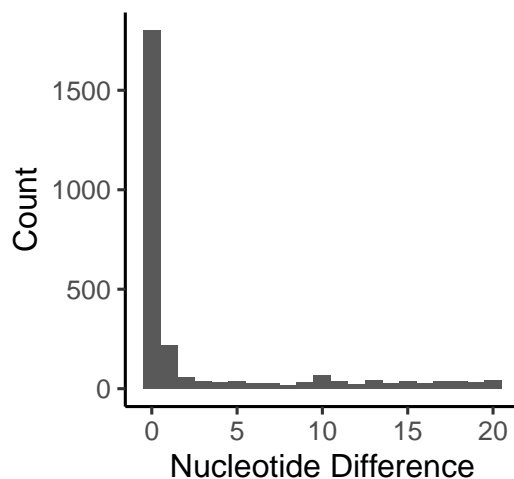
IGHV1-2*02

7608 sequences assigned
2911 (38.3%) exact matches, in which:
2847 unique CDR3
6 unique J



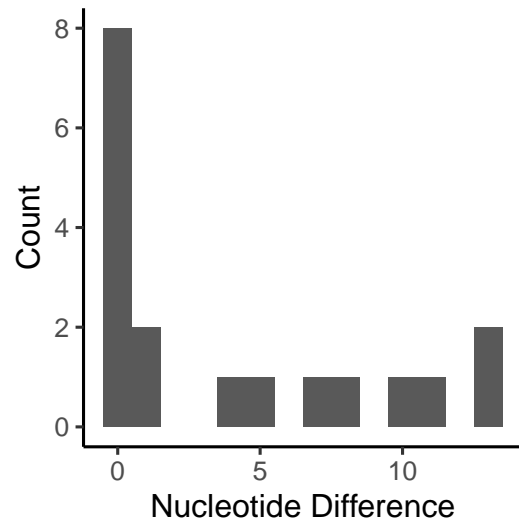
IGHV1-8*01

3456 sequences assigned
1801 (52.1%) exact matches, in which:
1781 unique CDR3
6 unique J



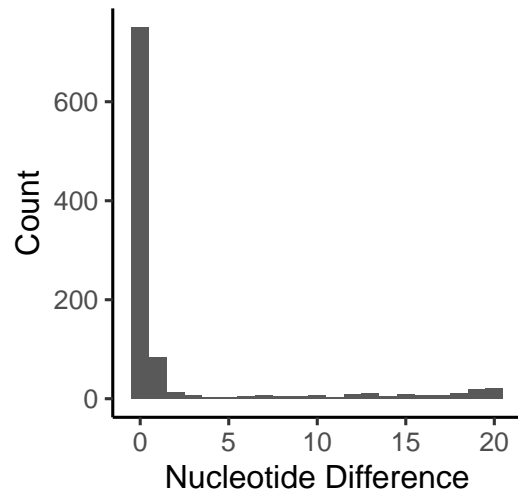
IGHV1-45*02

126 sequences assigned
8 (6.3%) exact matches, in which:
7 unique CDR3
4 unique J



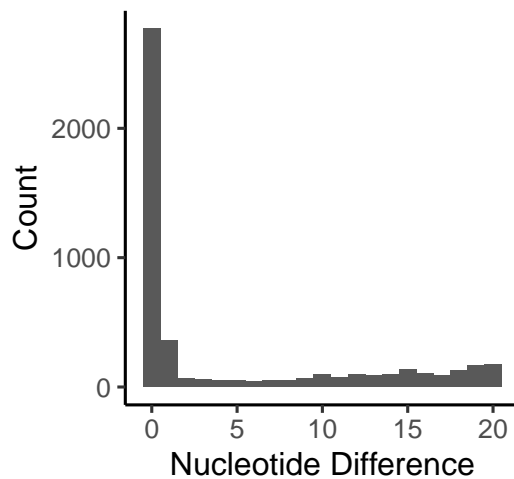
IGHV1-2*04

1105 sequences assigned
751 (68%) exact matches, in which:
735 unique CDR3
6 unique J



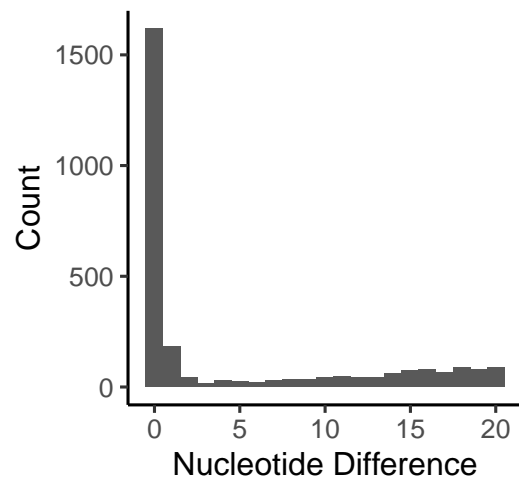
IGHV1-18*01

7360 sequences assigned
2770 (37.6%) exact matches, in which:
2719 unique CDR3
6 unique J



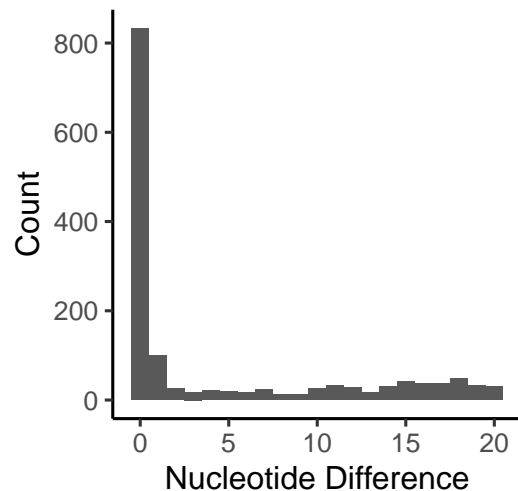
IGHV1-46*01

4671 sequences assigned
1618 (34.6%) exact matches, in which:
1591 unique CDR3
6 unique J



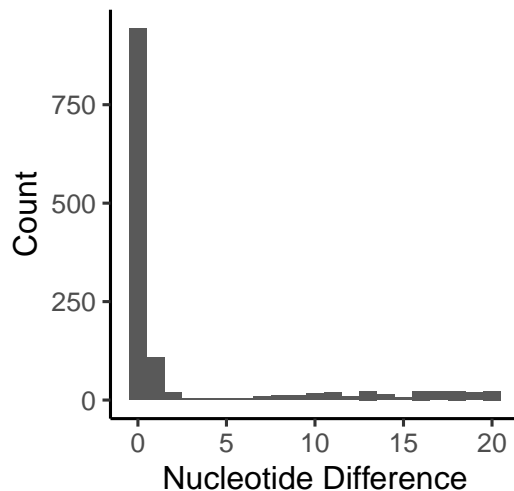
IGHV1-3*01

2519 sequences assigned
833 (33.1%) exact matches, in which:
813 unique CDR3
6 unique J



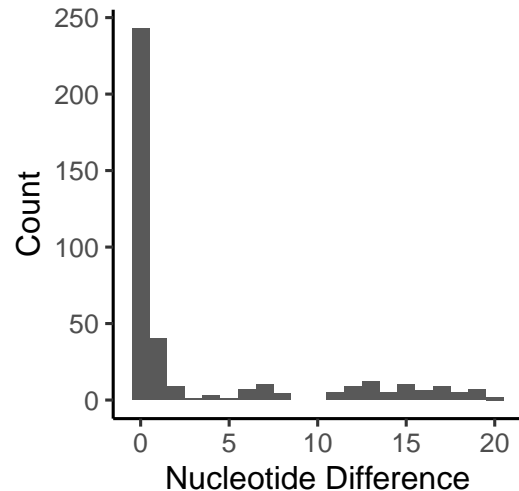
IGHV1-24*01

1724 sequences assigned
944 (54.8%) exact matches, in which:
928 unique CDR3
6 unique J



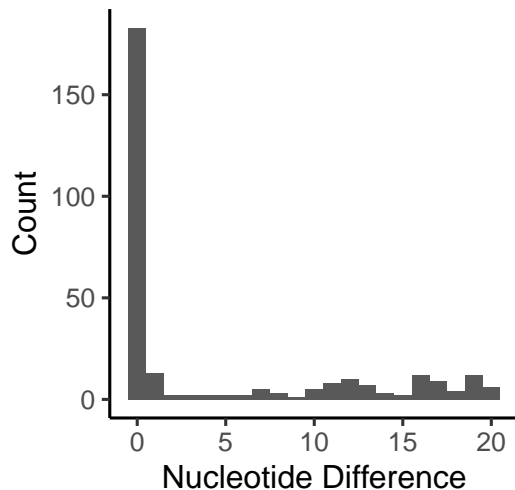
IGHV1-58*02

450 sequences assigned
243 (54%) exact matches, in which:
241 unique CDR3
6 unique J



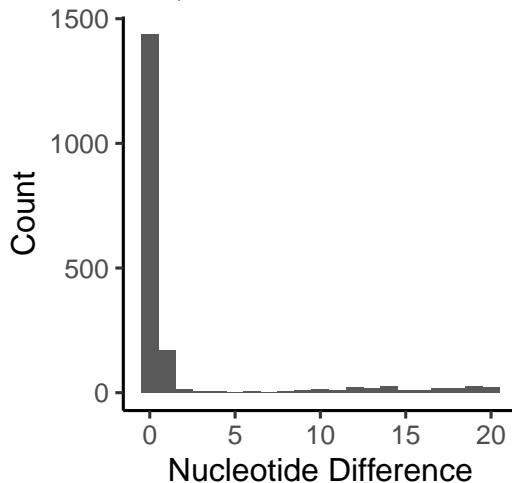
IGHV1-69-2*01

489 sequences assigned
183 (37.4%) exact matches, in which:
182 unique CDR3
6 unique J



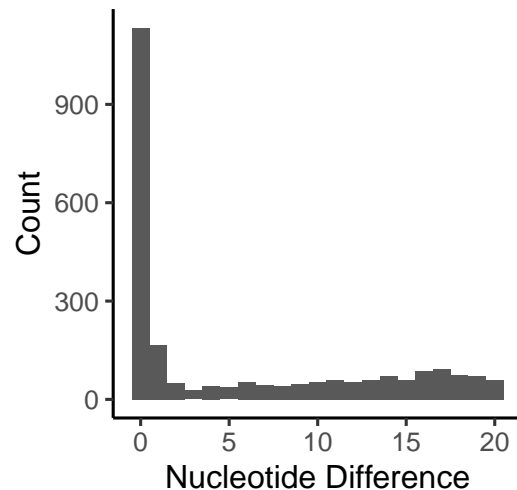
IGHV1-69*08_C191T

2732 sequences assigned
1437 (52.6%) exact matches, in which:
1421 unique CDR3
6 unique J



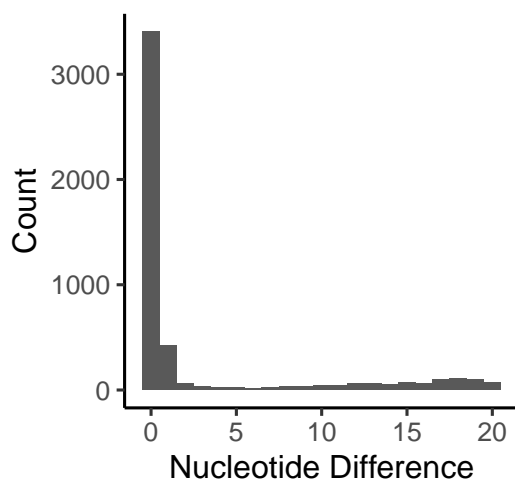
IGHV2-5*02

3065 sequences assigned
1134 (37%) exact matches, in which:
1114 unique CDR3
6 unique J



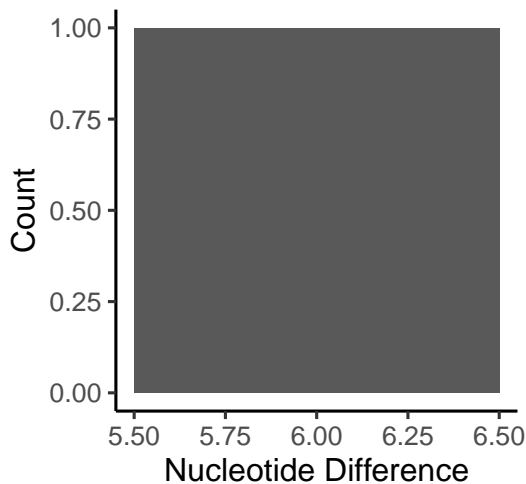
IGHV1-69*01

6105 sequences assigned
3404 (55.8%) exact matches, in which:
3364 unique CDR3
6 unique J



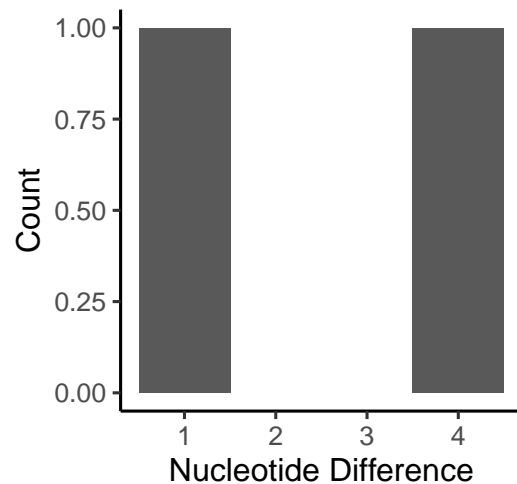
IGHV1-NL1*01

1 sequences assigned
No exact matches.



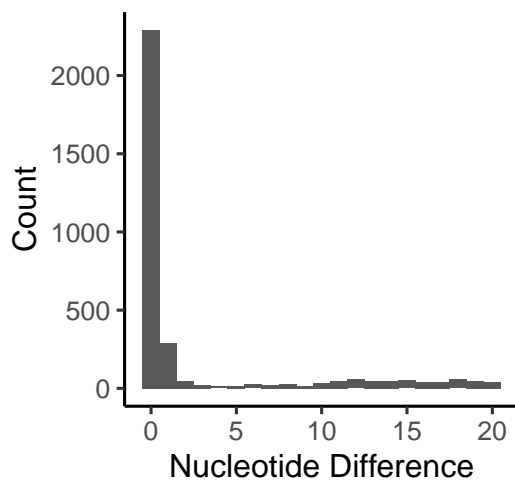
IGHV2-10*01

2 sequences assigned
No exact matches.



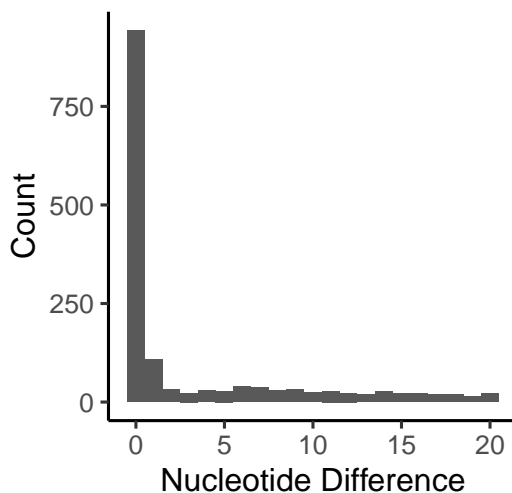
IGHV1-69*06

4503 sequences assigned
2291 (50.9%) exact matches, in which:
2265 unique CDR3
6 unique J



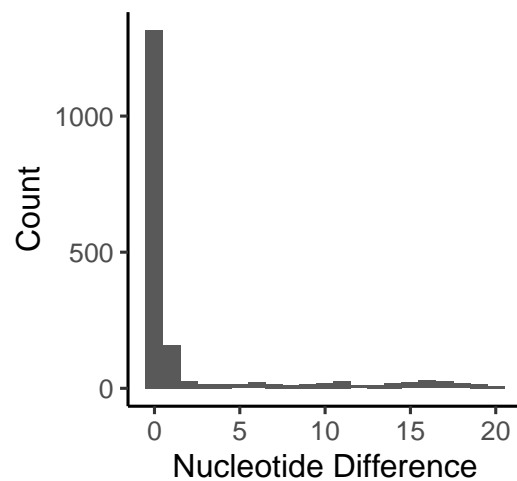
IGHV2-5*01

1718 sequences assigned
943 (54.9%) exact matches, in which:
935 unique CDR3
6 unique J



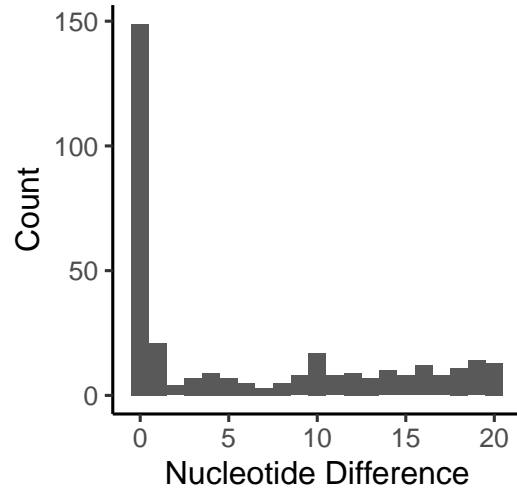
IGHV2-26*01

1971 sequences assigned
1316 (66.8%) exact matches, in which:
1300 unique CDR3
6 unique J



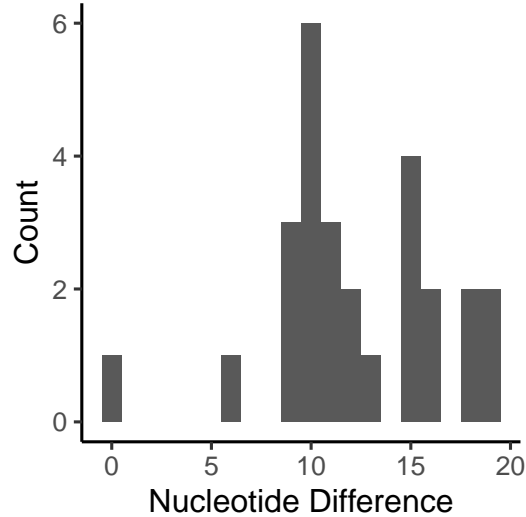
IGHV2-70*01

465 sequences assigned
149 (32%) exact matches, in which:
147 unique CDR3
5 unique J



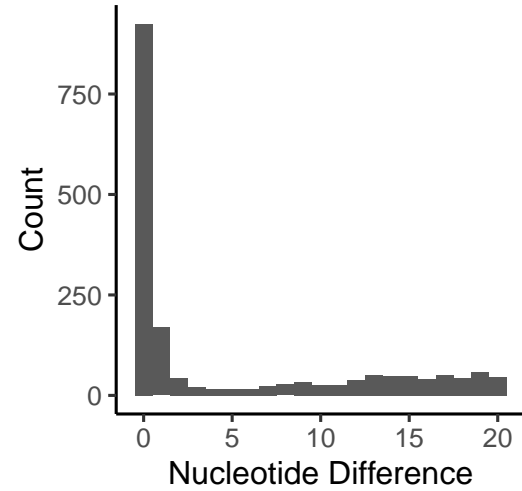
IGHV3-7*03

94 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



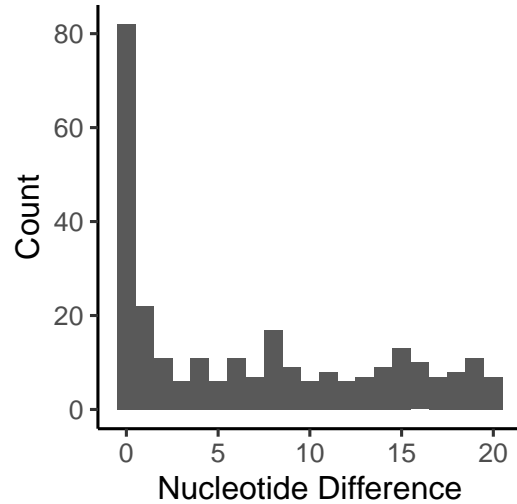
IGHV3-11*01

2387 sequences assigned
925 (38.8%) exact matches, in which:
908 unique CDR3
6 unique J



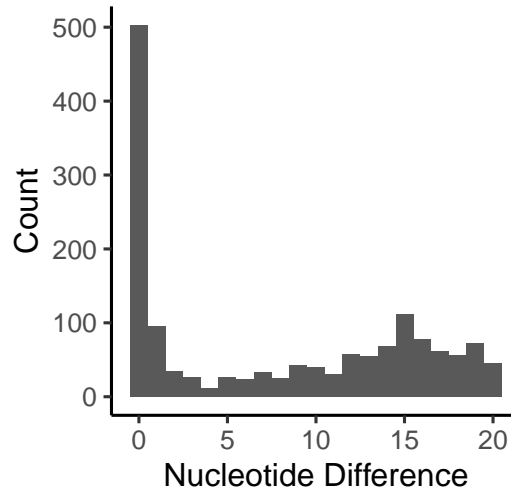
IGHV2-70*04

328 sequences assigned
82 (25%) exact matches, in which:
81 unique CDR3
4 unique J



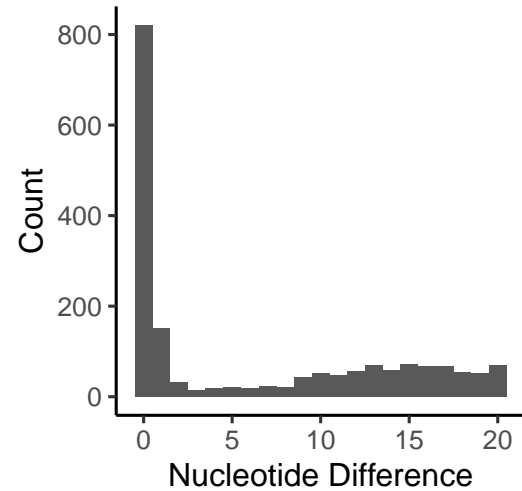
IGHV3-7*04

2038 sequences assigned
503 (24.7%) exact matches, in which:
484 unique CDR3
6 unique J



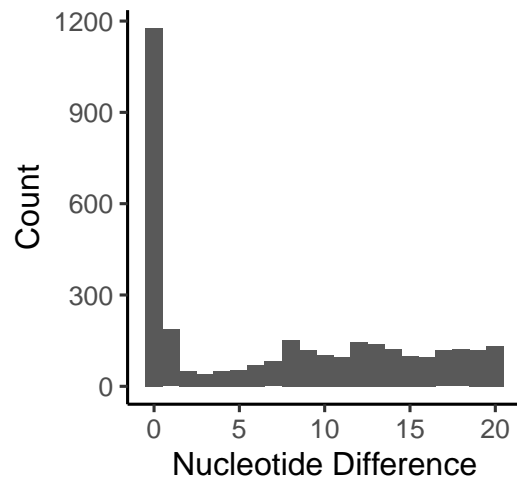
IGHV3-11*05

2547 sequences assigned
821 (32.2%) exact matches, in which:
798 unique CDR3
6 unique J



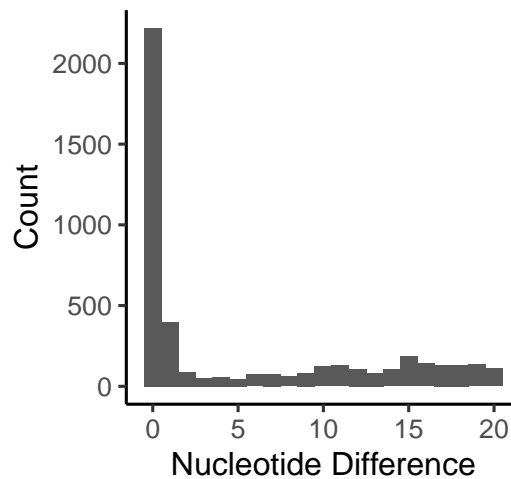
IGHV3-7*01

4983 sequences assigned
1177 (23.6%) exact matches, in which:
1130 unique CDR3
6 unique J



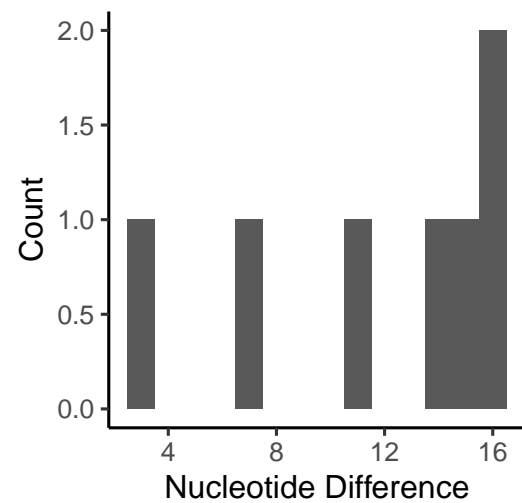
IGHV3-9*01

6076 sequences assigned
2219 (36.5%) exact matches, in which:
2111 unique CDR3
6 unique J



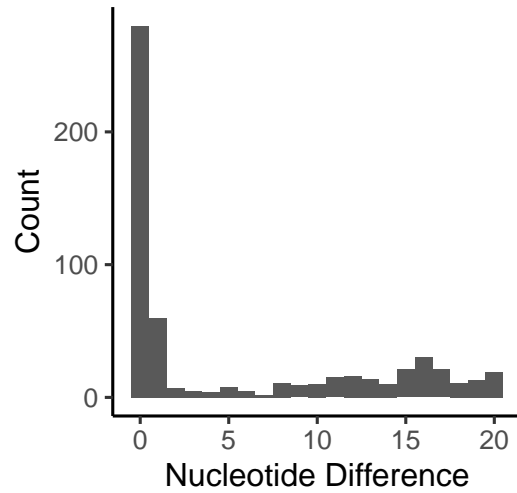
IGHV3-11*06

7 sequences assigned
No exact matches.



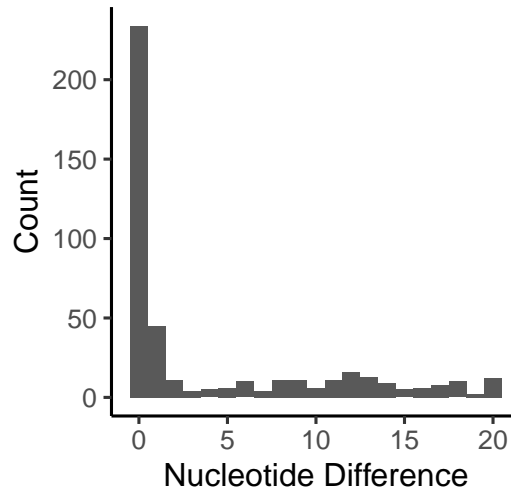
IGHV3-13*01

1166 sequences assigned
280 (24%) exact matches, in which:
262 unique CDR3
5 unique J



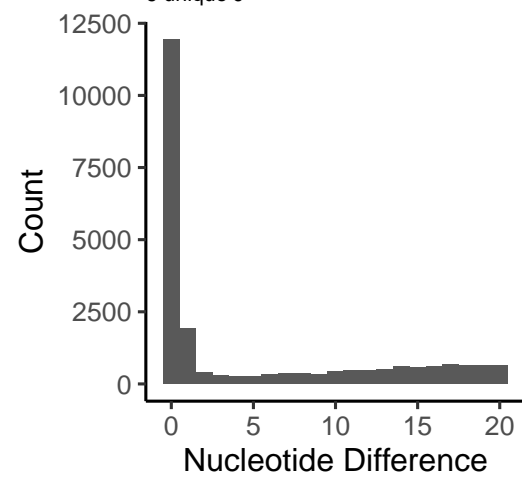
IGHV3-20*01

474 sequences assigned
234 (49.4%) exact matches, in which:
226 unique CDR3
6 unique J



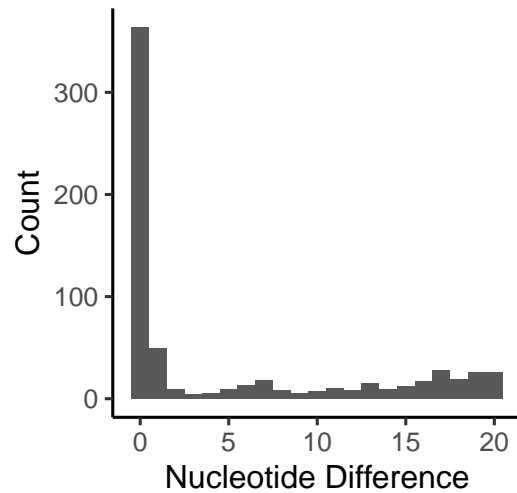
IGHV3-23*01

33287 sequences assigned
11950 (35.9%) exact matches, in which:
11529 unique CDR3
6 unique J



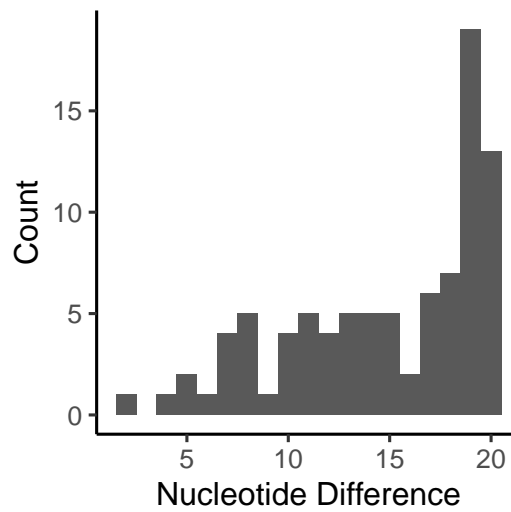
IGHV3-13*04

859 sequences assigned
364 (42.4%) exact matches, in which:
359 unique CDR3
6 unique J



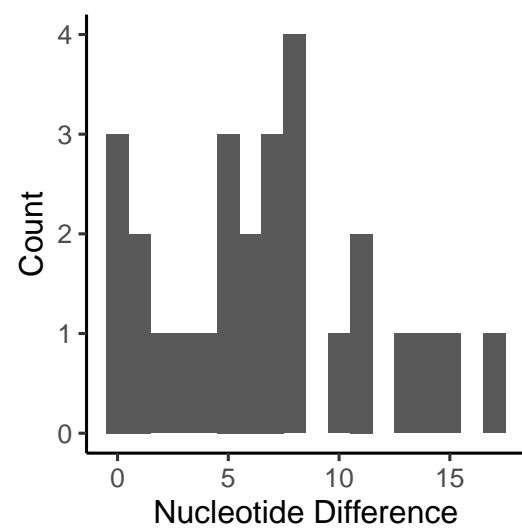
IGHV3-20*04

225 sequences assigned
No exact matches.



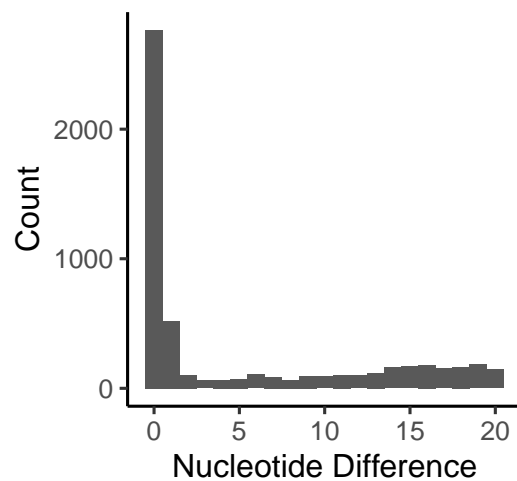
IGHV3-30-3*01

81 sequences assigned
3 (3.7%) exact matches, in which:
3 unique CDR3
1 unique J



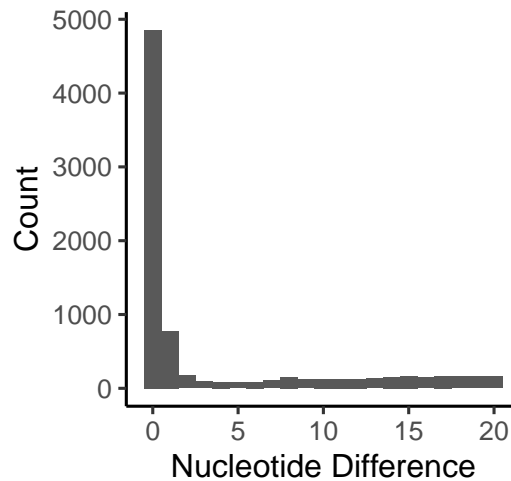
IGHV3-15*01

7477 sequences assigned
2765 (37%) exact matches, in which:
2655 unique CDR3
6 unique J



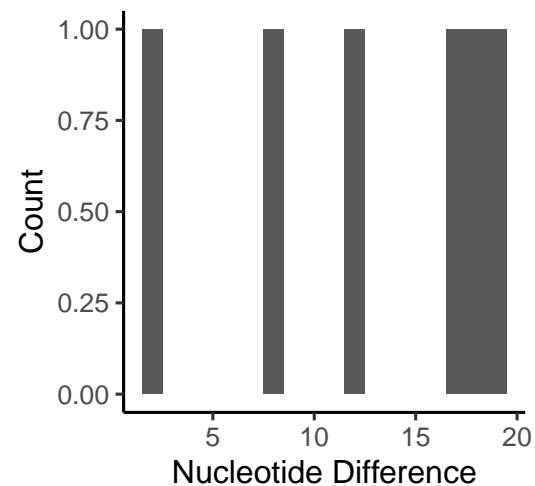
IGHV3-21*01

10612 sequences assigned
4854 (45.7%) exact matches, in which:
4627 unique CDR3
6 unique J



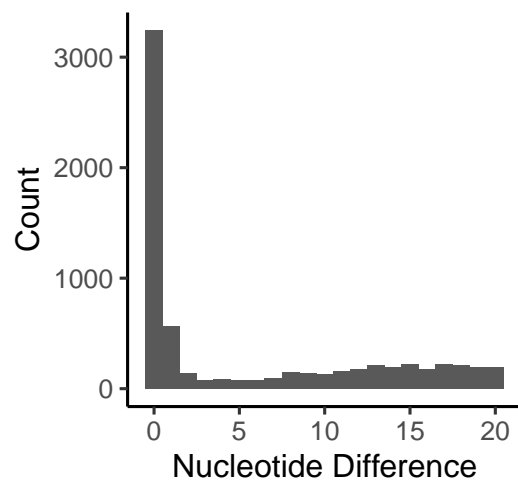
IGHV3-30-3*02

16 sequences assigned
No exact matches.



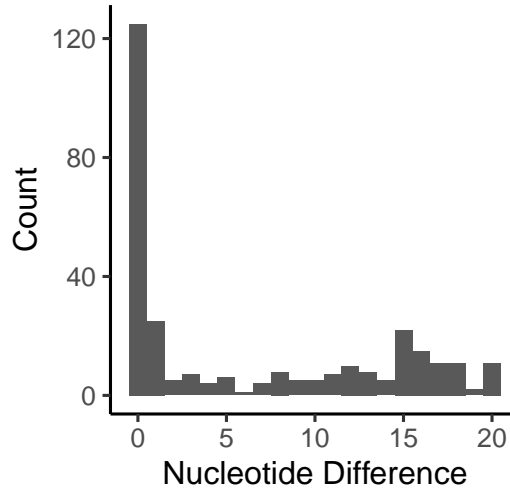
IGHV3–30*18

9083 sequences assigned
3242 (35.7%) exact matches, in which:
3155 unique CDR3
6 unique J



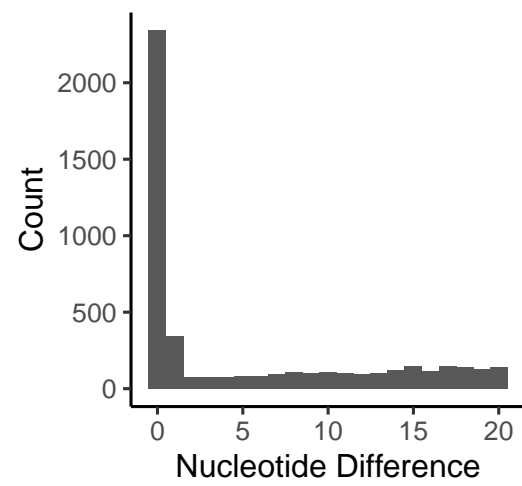
IGHV3–43*01

434 sequences assigned
125 (28.8%) exact matches, in which:
124 unique CDR3
6 unique J



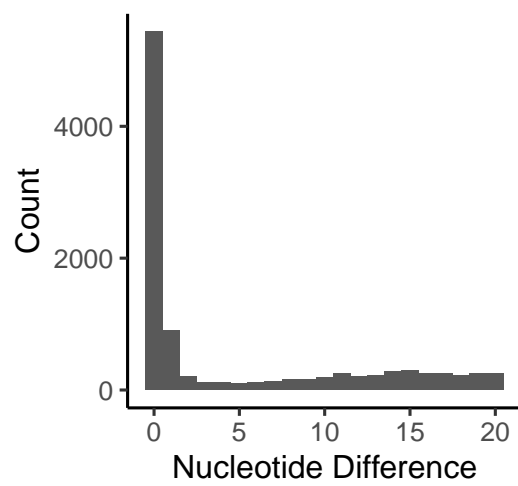
IGHV3–48*03

6335 sequences assigned
2342 (37%) exact matches, in which:
2243 unique CDR3
6 unique J



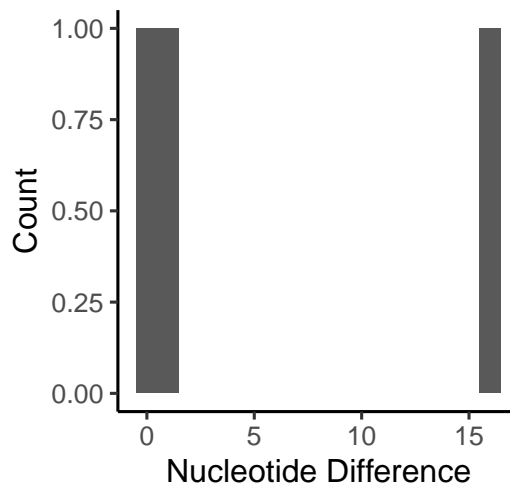
IGHV3–33*01

13349 sequences assigned
5435 (40.7%) exact matches, in which:
5322 unique CDR3
6 unique J



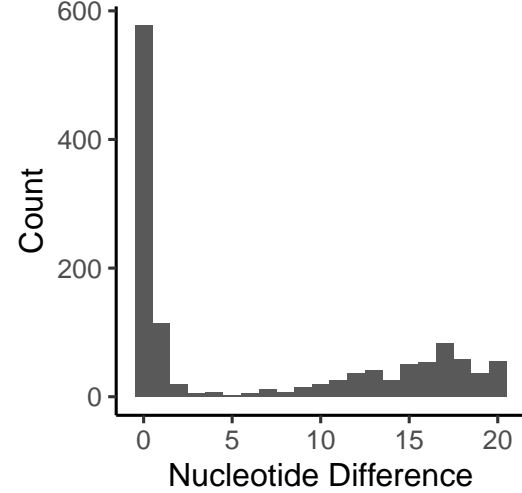
IGHV3–47*02

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



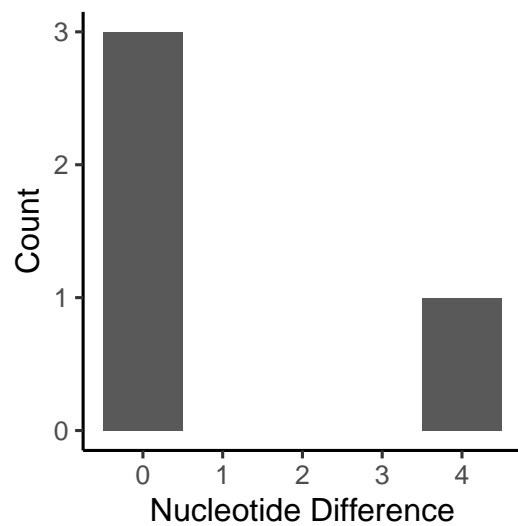
IGHV3–49*03

1712 sequences assigned
578 (33.8%) exact matches, in which:
568 unique CDR3
6 unique J



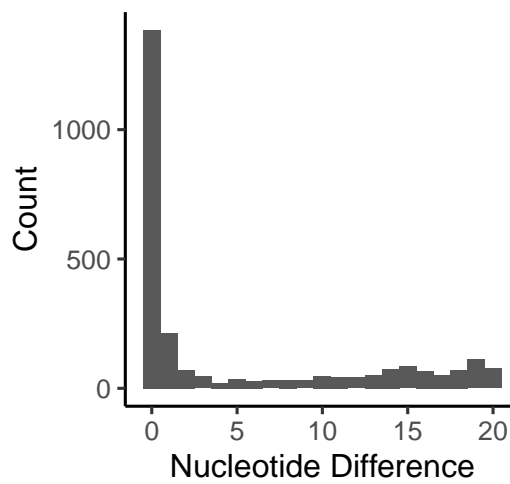
IGHV3–35*01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



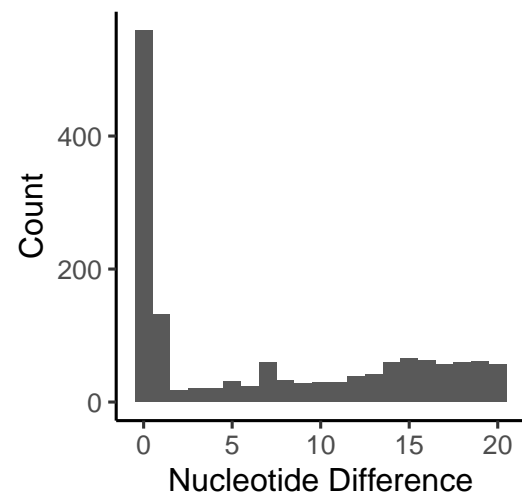
IGHV3–48*02

3416 sequences assigned
1385 (40.5%) exact matches, in which:
1333 unique CDR3
6 unique J



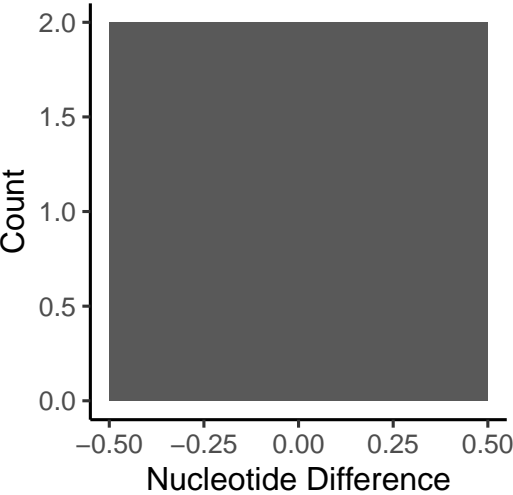
IGHV3–49*04

2160 sequences assigned
559 (25.9%) exact matches, in which:
519 unique CDR3
6 unique J



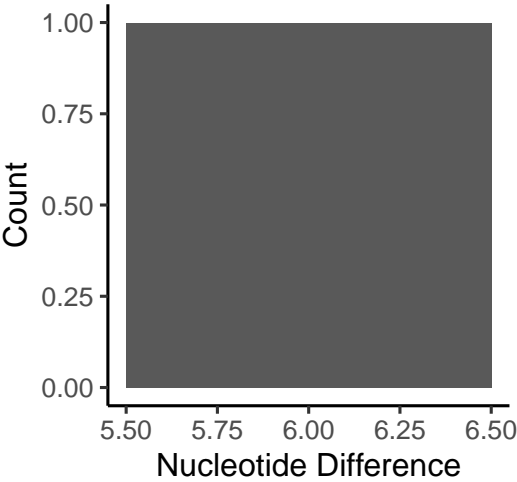
IGHV3-52*01

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



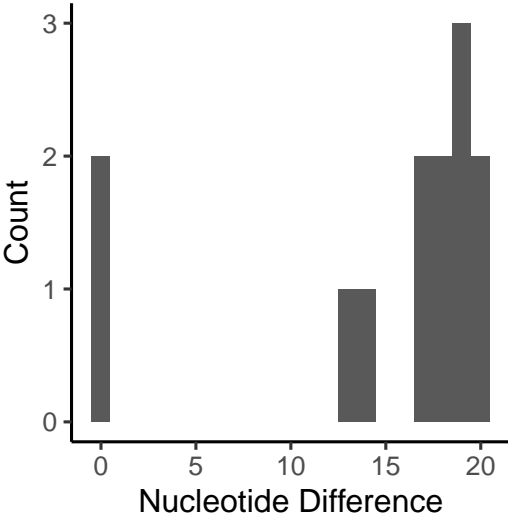
IGHV3-62*03

1 sequences assigned
No exact matches.



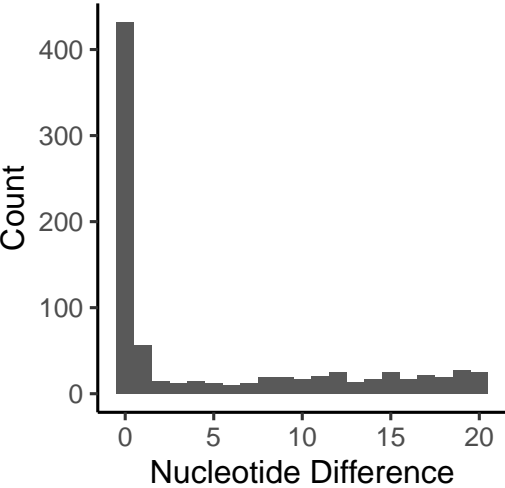
IGHV3-69-1*01

666 sequences assigned
2 (0.3%) exact matches, in which:
2 unique CDR3
1 unique J



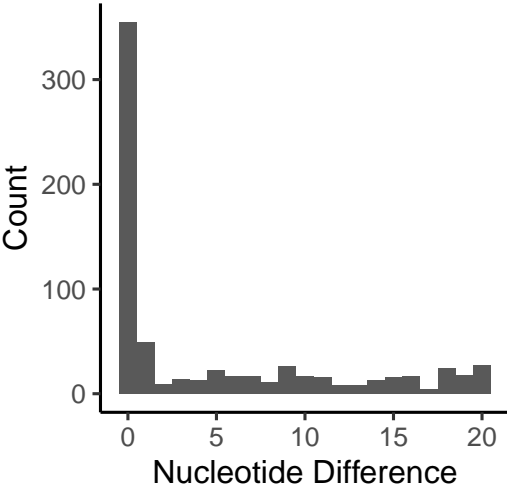
IGHV3-53*02

1181 sequences assigned
432 (36.6%) exact matches, in which:
424 unique CDR3
6 unique J



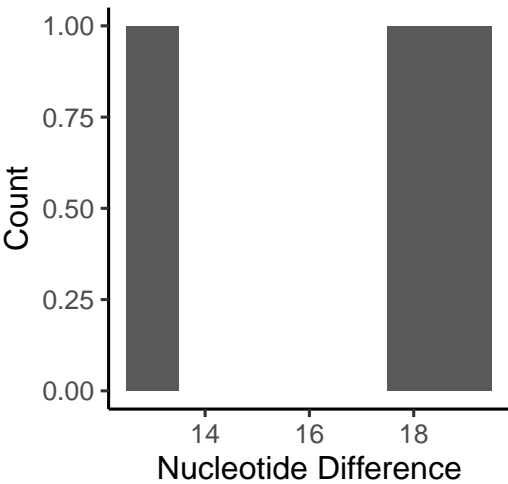
IGHV3-64*01

913 sequences assigned
355 (38.9%) exact matches, in which:
347 unique CDR3
6 unique J



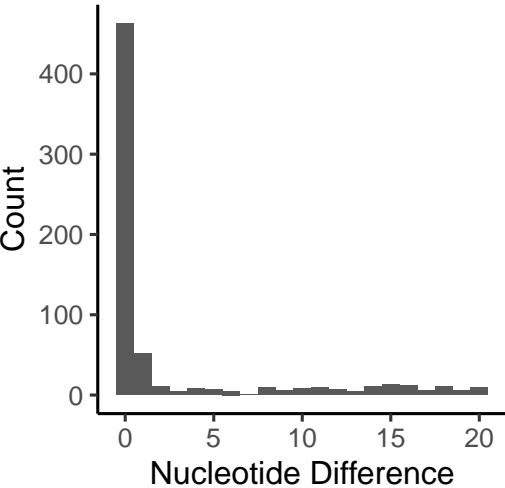
IGHV3-69-1*02

14 sequences assigned
No exact matches.



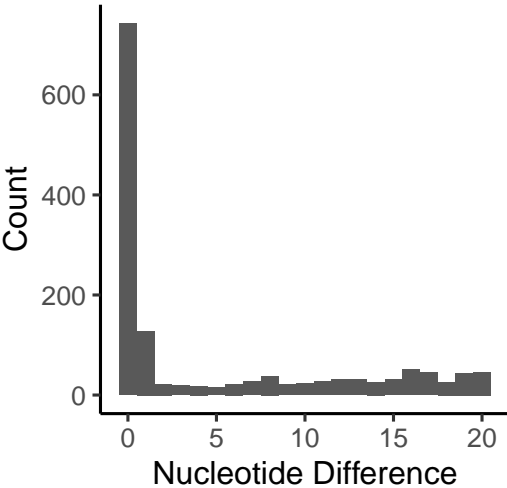
IGHV3-53*04

821 sequences assigned
463 (56.4%) exact matches, in which:
455 unique CDR3
5 unique J



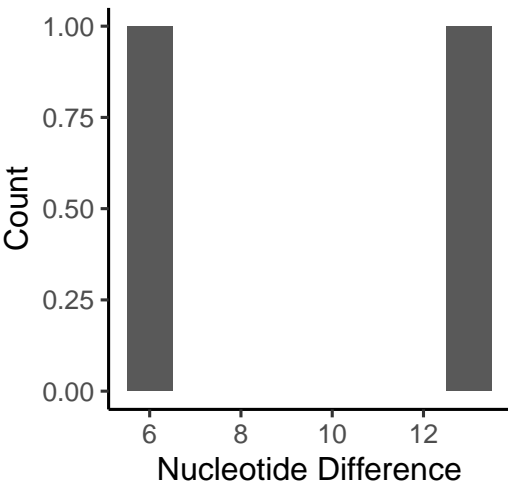
IGHV3-66*02

1862 sequences assigned
743 (39.9%) exact matches, in which:
732 unique CDR3
6 unique J



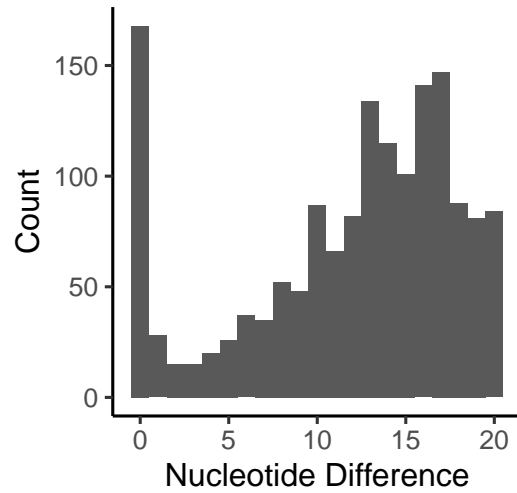
IGHV3-71*01

2 sequences assigned
No exact matches.



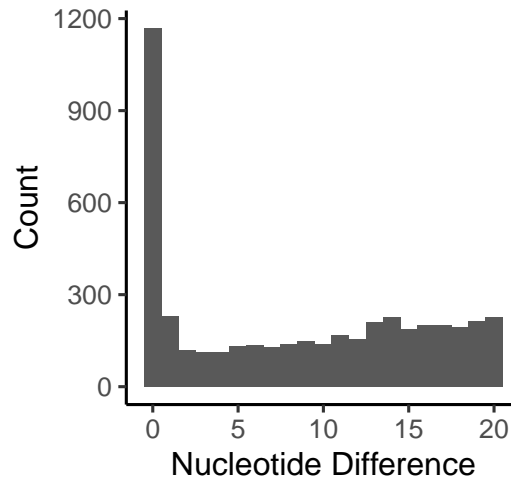
IGHV3-72*01

2399 sequences assigned
168 (7%) exact matches, in which:
155 unique CDR3
5 unique J



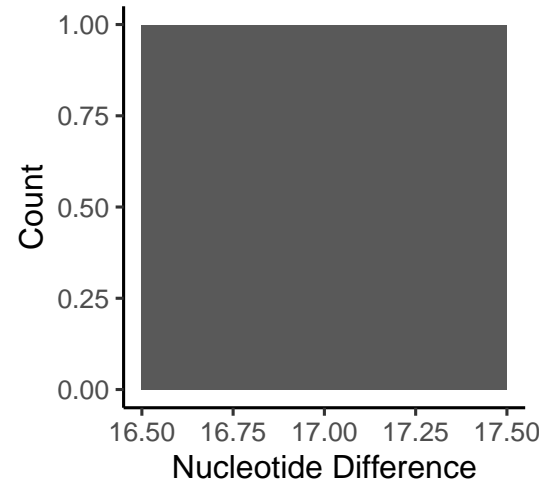
IGHV3-74*01

6366 sequences assigned
1168 (18.3%) exact matches, in which:
1094 unique CDR3
6 unique J



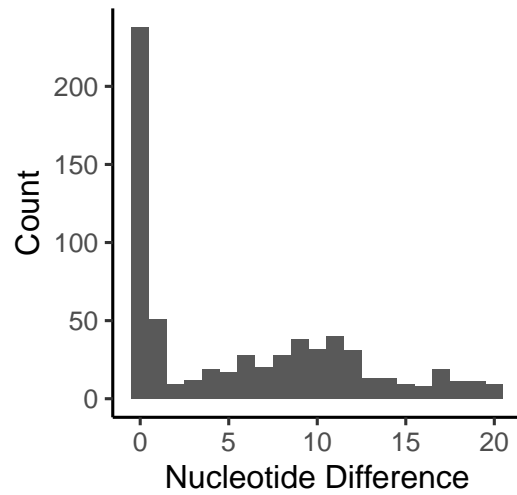
IGHV3-NL1*01

7 sequences assigned
No exact matches.



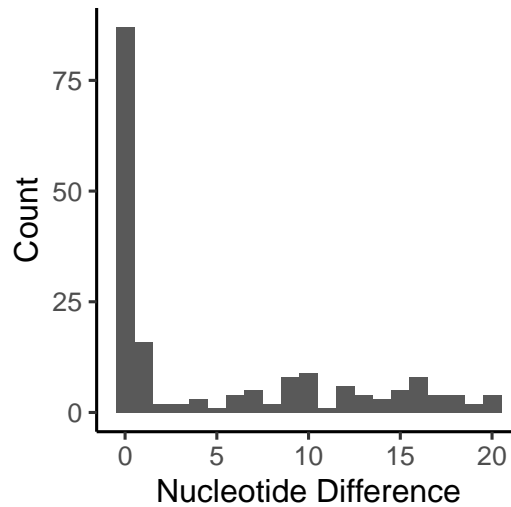
IGHV3-73*01

788 sequences assigned
238 (30.2%) exact matches, in which:
219 unique CDR3
5 unique J



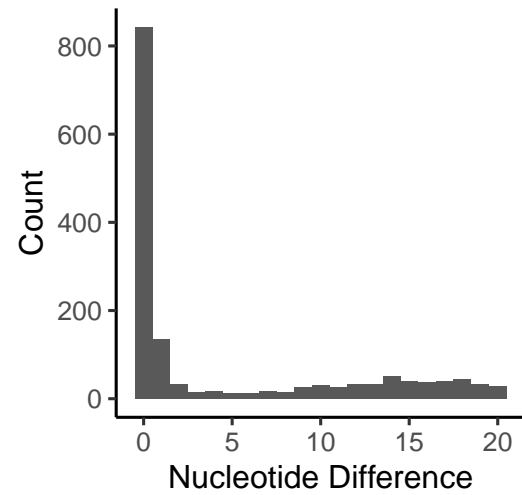
IGHV3-43D*04

210 sequences assigned
87 (41.4%) exact matches, in which:
86 unique CDR3
6 unique J



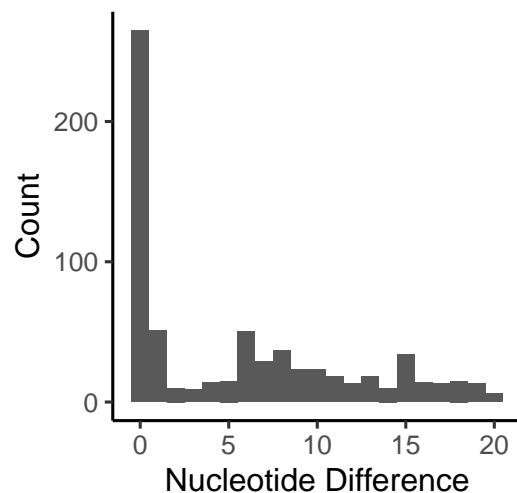
IGHV4-4*02

2017 sequences assigned
843 (41.8%) exact matches, in which:
819 unique CDR3
6 unique J



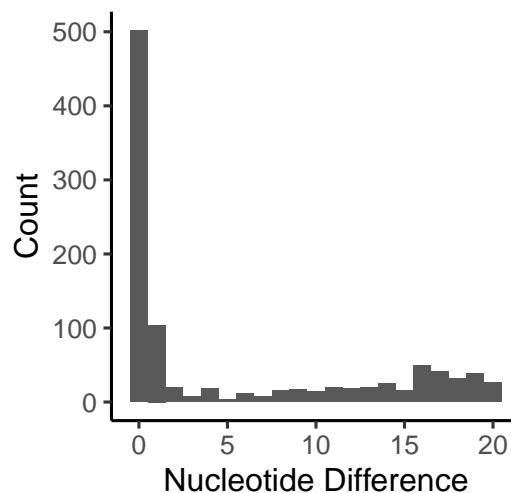
IGHV3-73*02

974 sequences assigned
265 (27.2%) exact matches, in which:
254 unique CDR3
5 unique J



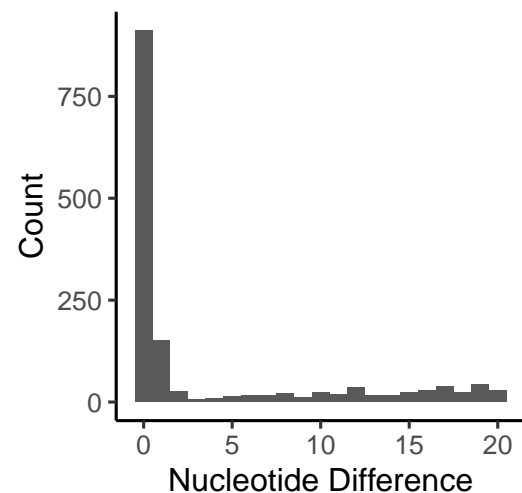
IGHV3-64D*06

1580 sequences assigned
502 (31.8%) exact matches, in which:
476 unique CDR3
6 unique J



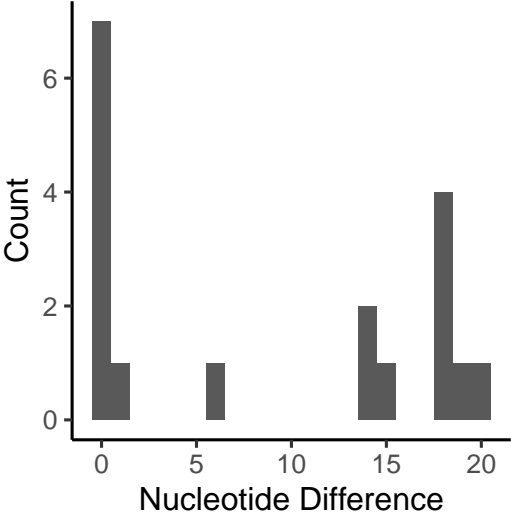
IGHV4-4*07

2094 sequences assigned
912 (43.6%) exact matches, in which:
902 unique CDR3
6 unique J



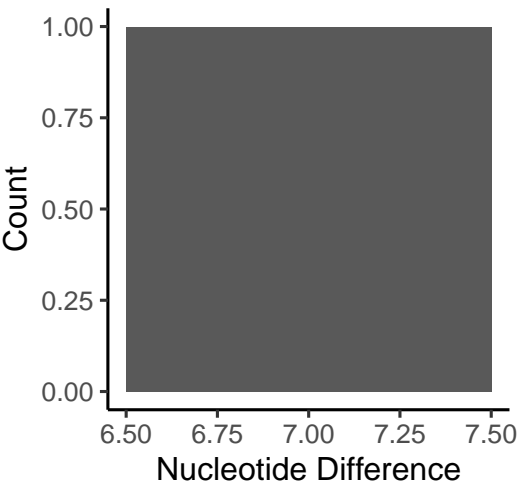
IGHV4-28*01

24 sequences assigned
7 (29.2%) exact matches, in which:
7 unique CDR3
4 unique J



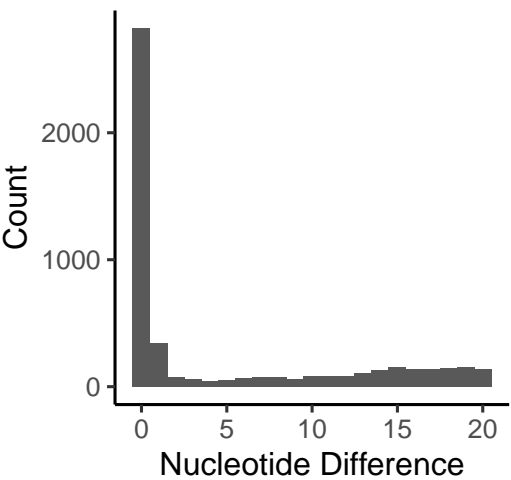
IGHV4-30-4*01

38 sequences assigned
No exact matches.



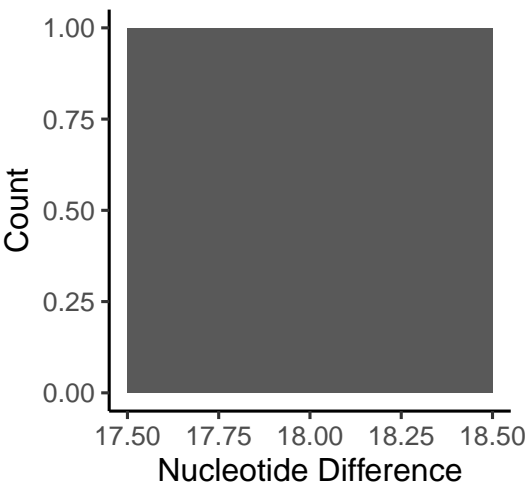
IGHV4-31*03

7400 sequences assigned
2822 (38.1%) exact matches, in which:
2762 unique CDR3
6 unique J



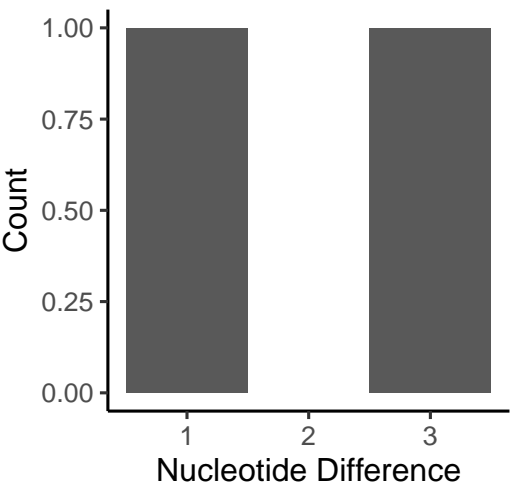
IGHV4-28*03

2 sequences assigned
No exact matches.



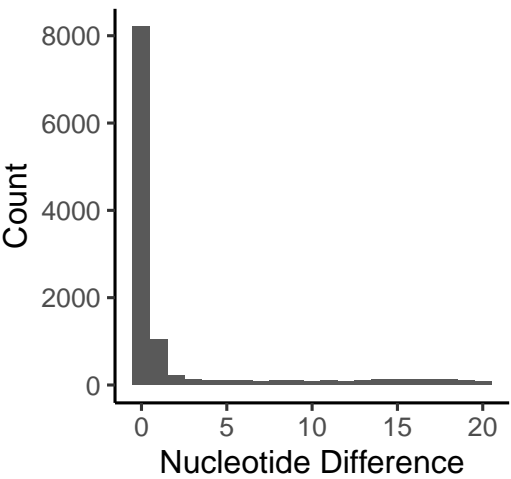
IGHV4-30-4*07

2 sequences assigned
No exact matches.



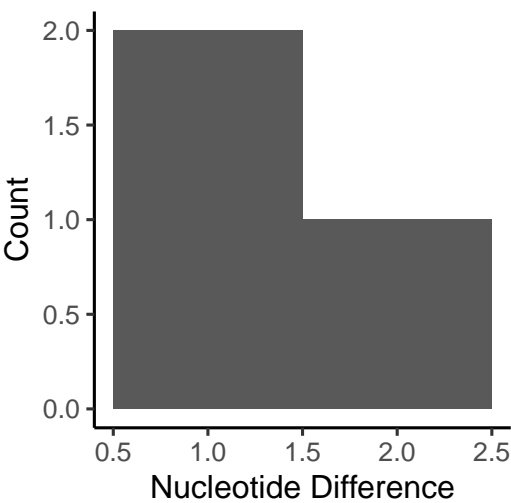
IGHV4-34*01

12934 sequences assigned
8206 (63.4%) exact matches, in which:
8111 unique CDR3
6 unique J



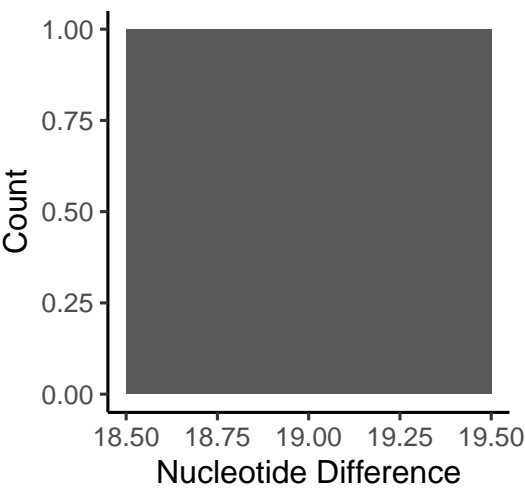
IGHV4-28*04

3 sequences assigned
No exact matches.



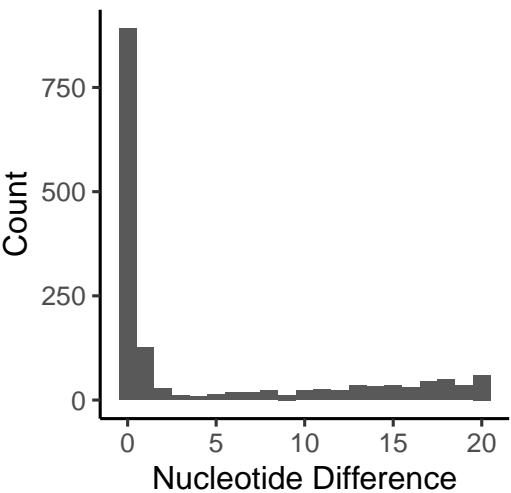
IGHV4-30-4*08

6 sequences assigned
No exact matches.



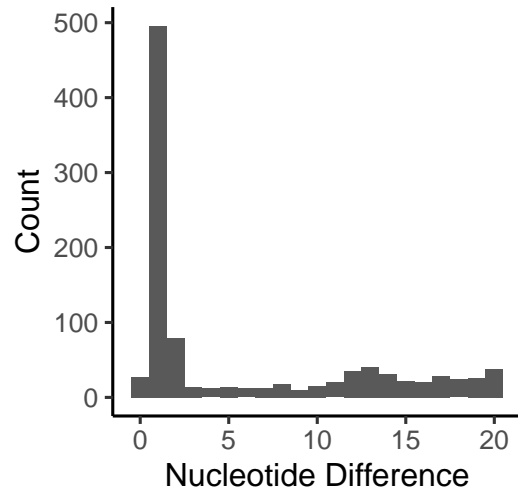
IGHV4-38-2*01

2165 sequences assigned
892 (41.2%) exact matches, in which:
870 unique CDR3
6 unique J



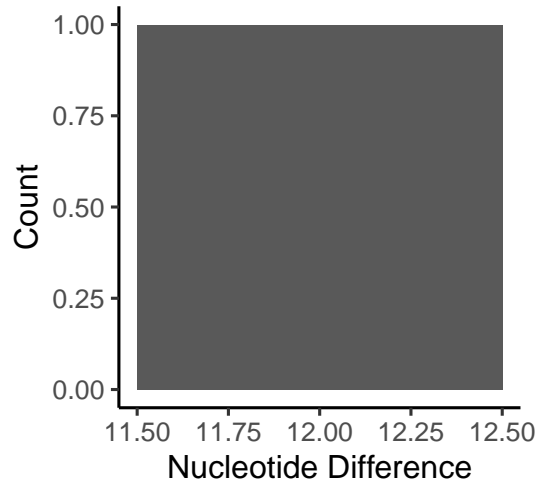
IGHV4-38-2*02

1536 sequences assigned
27 (1.8%) exact matches, in which:
27 unique CDR3
5 unique J



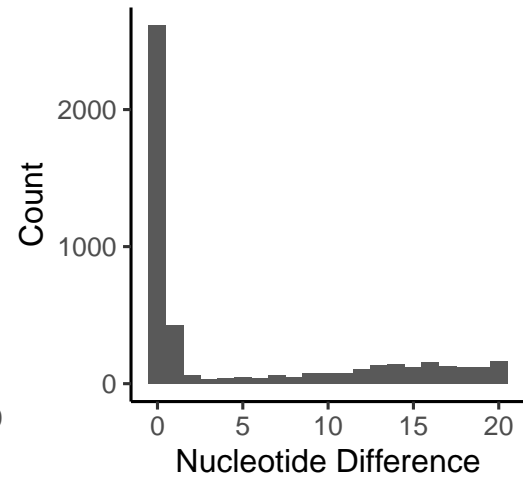
IGHV4-55*08

2 sequences assigned
No exact matches.



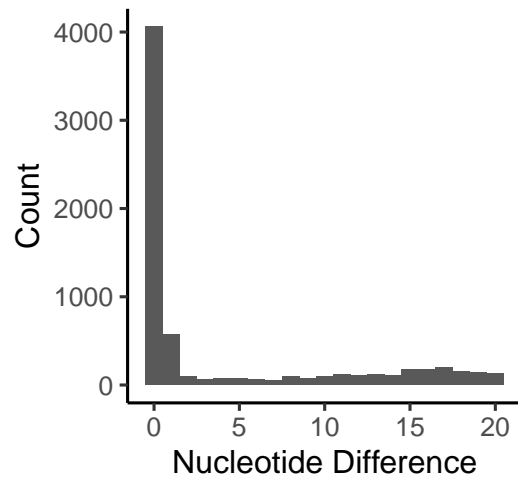
IGHV4-61*02

6819 sequences assigned
2614 (38.3%) exact matches, in which:
2583 unique CDR3
6 unique J



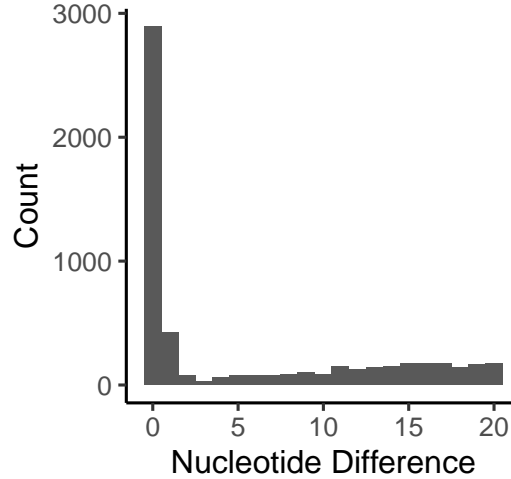
IGHV4-39*01

9659 sequences assigned
4060 (42%) exact matches, in which:
3959 unique CDR3
6 unique J



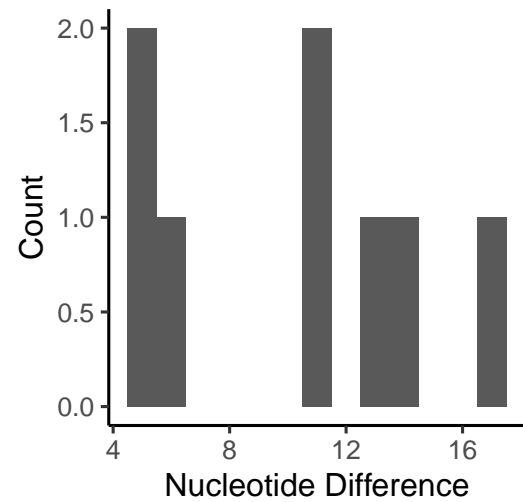
IGHV4-59*01

7704 sequences assigned
2892 (37.5%) exact matches, in which:
2823 unique CDR3
6 unique J



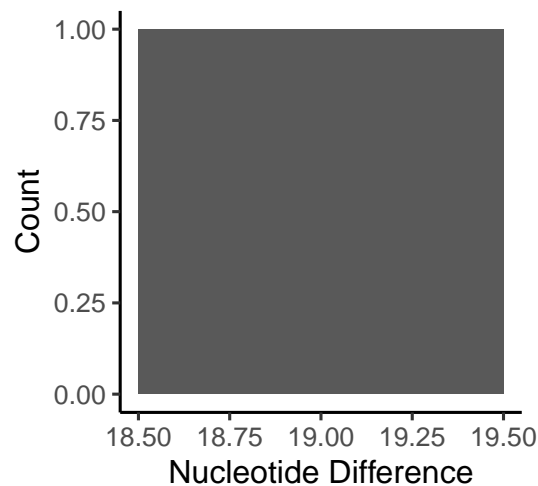
IGHV1/OR15-1*04

9 sequences assigned
No exact matches.



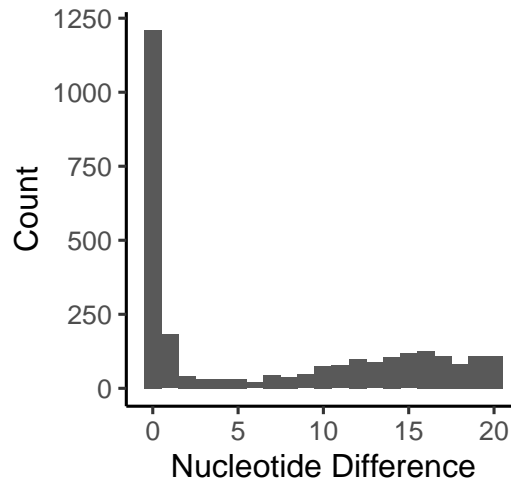
IGHV4-55*01

1 sequences assigned
No exact matches.



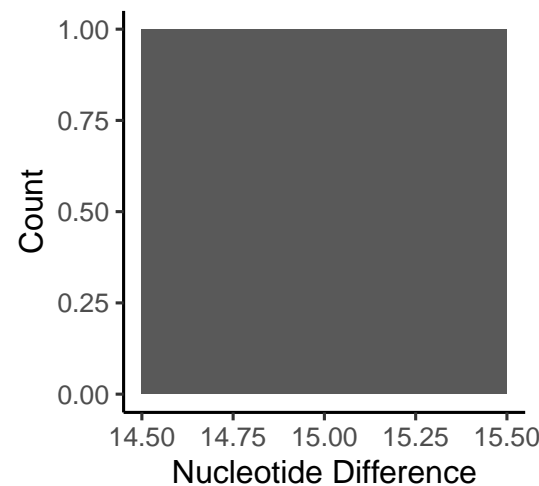
IGHV4-59*08

4041 sequences assigned
1210 (29.9%) exact matches, in which:
1191 unique CDR3
6 unique J



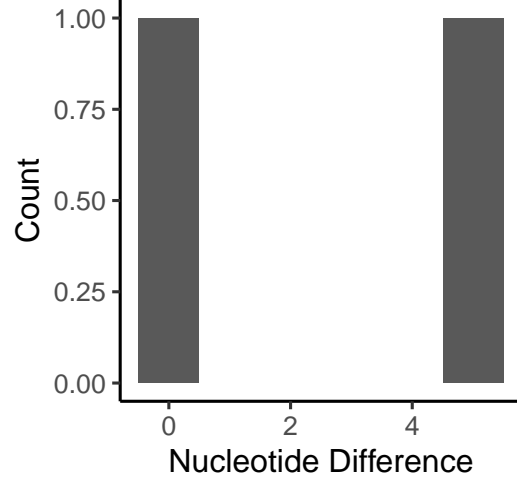
IGHV1/OR15-2*02

1 sequences assigned
No exact matches.



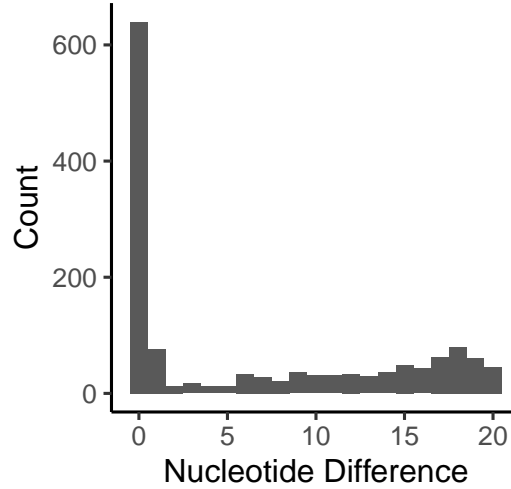
IGHV1/OR15-4*01

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



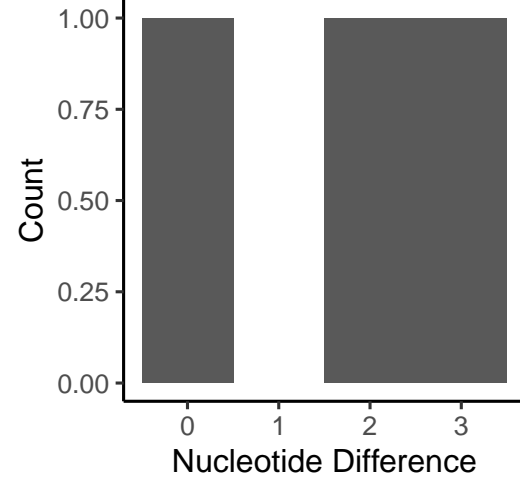
IGHV5-10-1*01

1946 sequences assigned
640 (32.9%) exact matches, in which:
624 unique CDR3
6 unique J



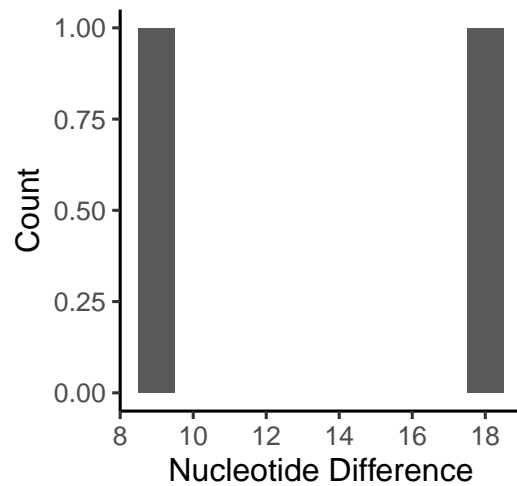
IGHV5-78*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



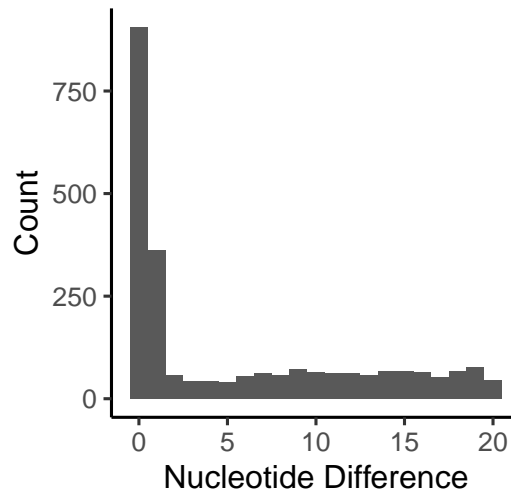
IGHV4/OR15-8*01

6 sequences assigned
No exact matches.



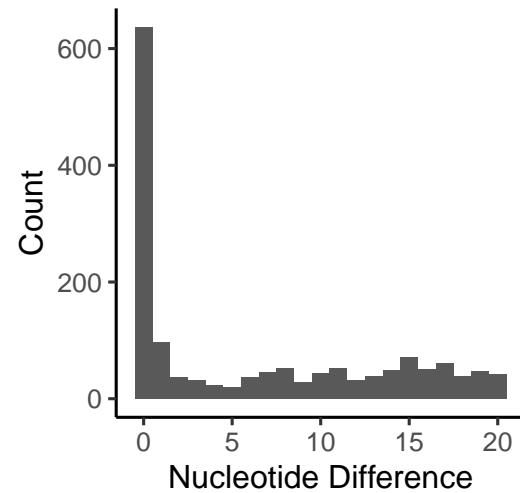
IGHV5-51*01

3171 sequences assigned
906 (28.6%) exact matches, in which:
895 unique CDR3
6 unique J



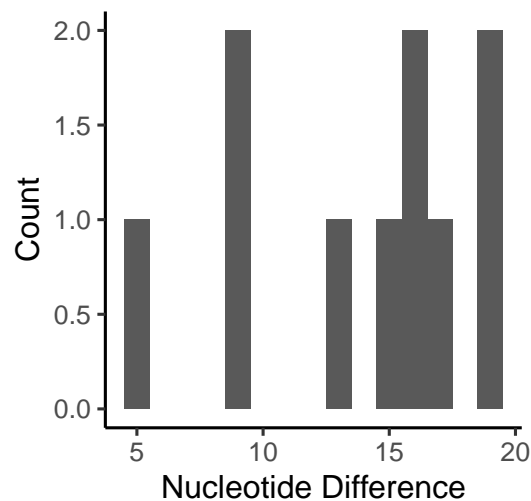
IGHV6-1*01

1739 sequences assigned
637 (36.6%) exact matches, in which:
634 unique CDR3
6 unique J



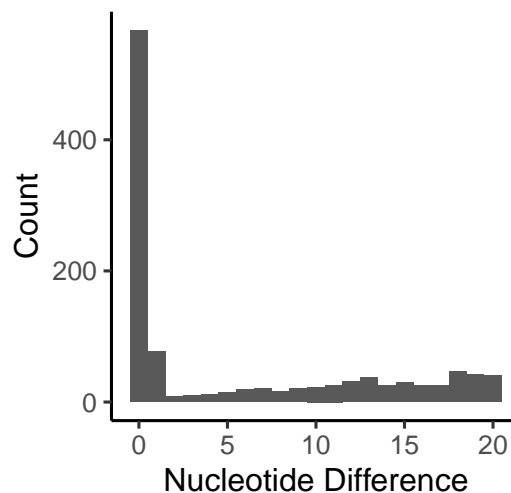
IGHV4/OR15-8*02

28 sequences assigned
No exact matches.



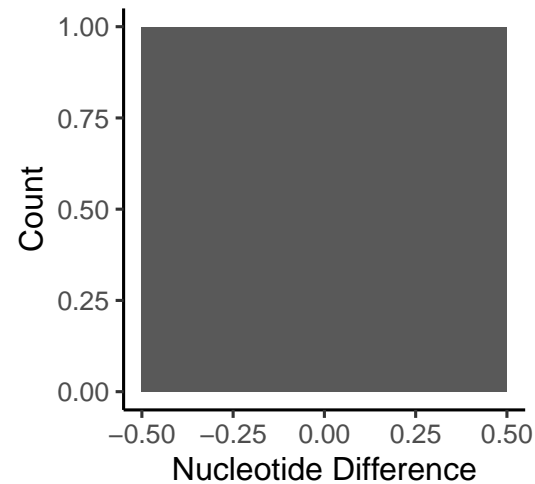
IGHV5-51*03

1639 sequences assigned
567 (34.6%) exact matches, in which:
561 unique CDR3
6 unique J



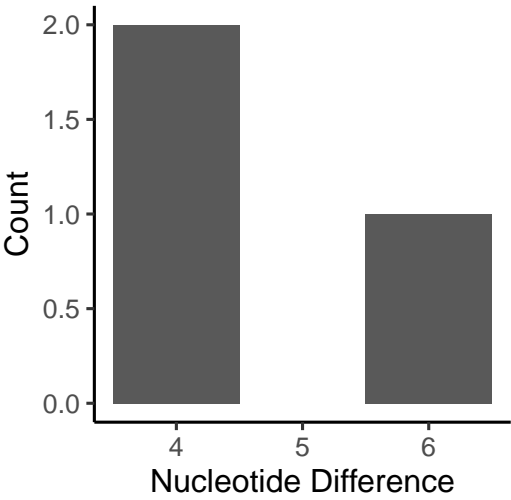
IGHV3/OR16-6*02

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



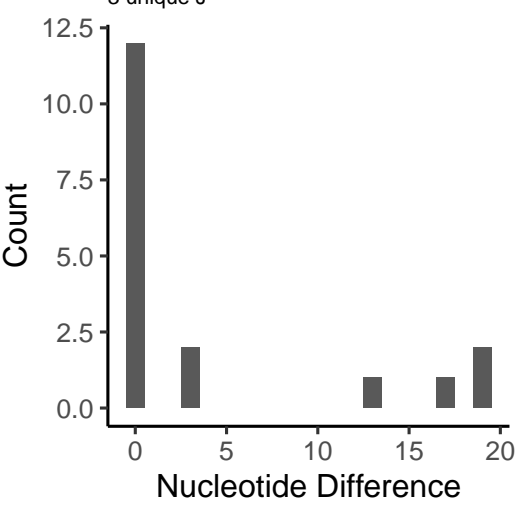
IGHV3/OR16-8*01

3 sequences assigned
No exact matches.



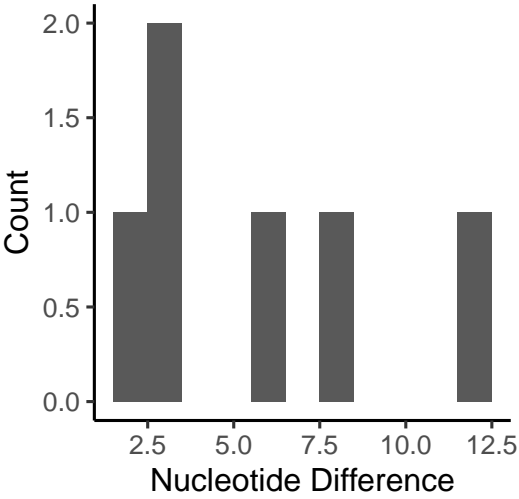
IGHV7-4-1*01

19 sequences assigned
12 (63.2%) exact matches, in which:
12 unique CDR3
3 unique J



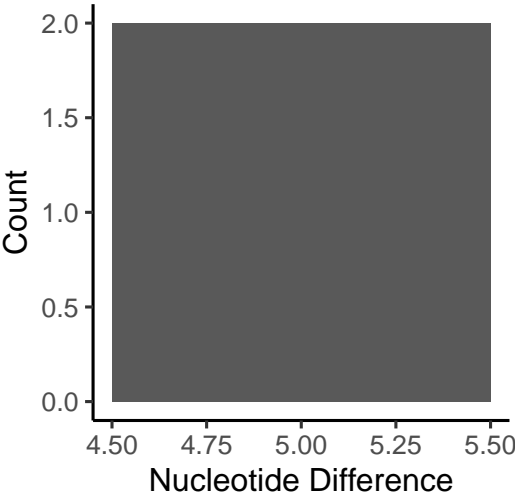
IGHV3/OR16-9*01

6 sequences assigned
No exact matches.



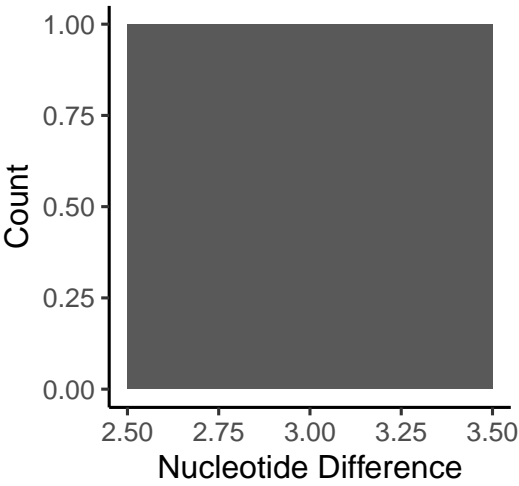
IGHV7-81*01

2 sequences assigned
No exact matches.



IGHV3/OR16-12*01

1 sequences assigned
No exact matches.



IGHV1-69*08_C191T

