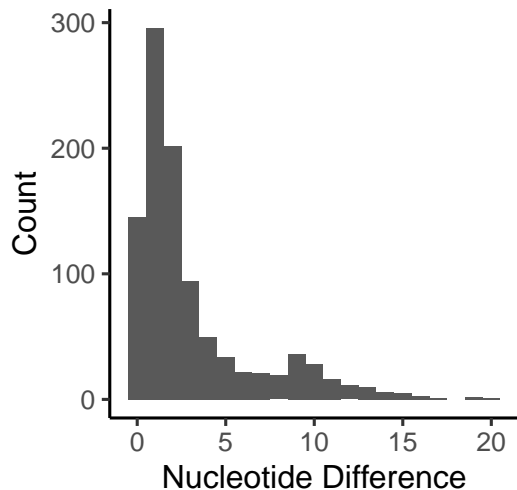


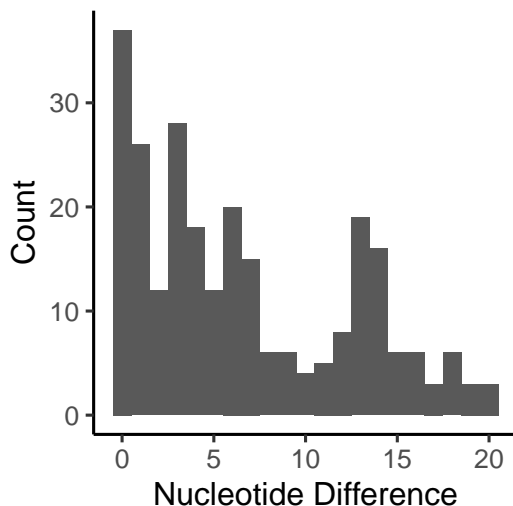
IGHV1S10*01_G167T_A'

1529 sequences assigned
145 (9.5%) exact matches, in which:
132 unique CDR3
6 unique J



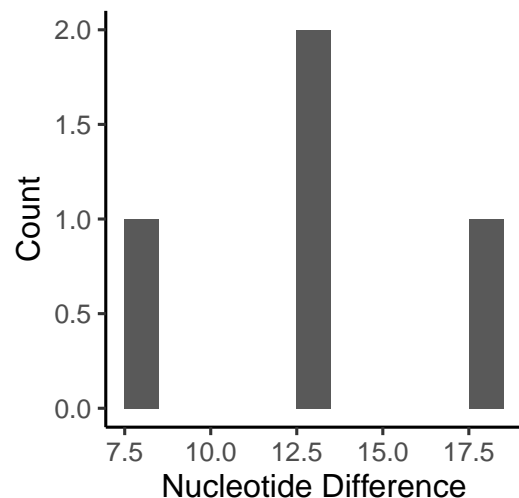
IGHV2S2*01_C6G_G115C

263 sequences assigned
37 (14.1%) exact matches, in which:
35 unique CDR3
6 unique J



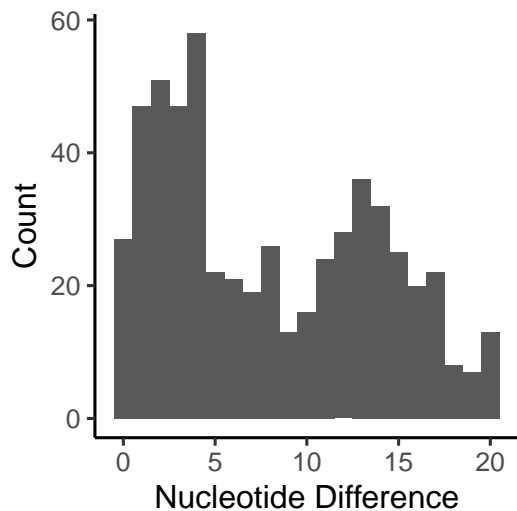
IGHV3S21*01

5 sequences assigned
No exact matches.



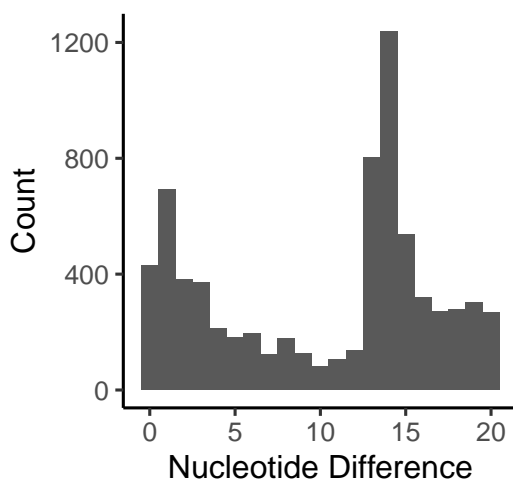
IGHV2S1*01_G6C_C91A_

761 sequences assigned
27 (3.5%) exact matches, in which:
24 unique CDR3
5 unique J



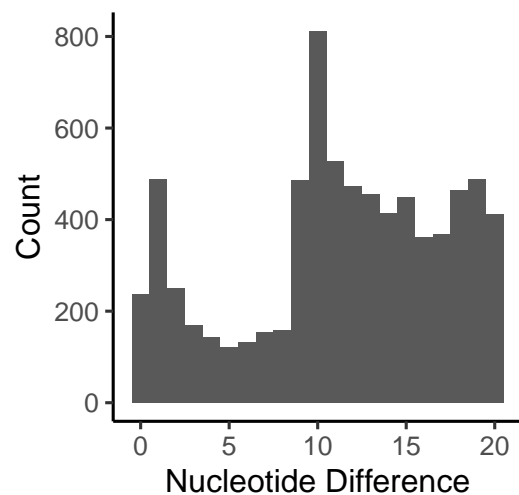
IGHV3S11*01_T51A_C7

9148 sequences assigned
429 (4.7%) exact matches, in which:
361 unique CDR3
6 unique J



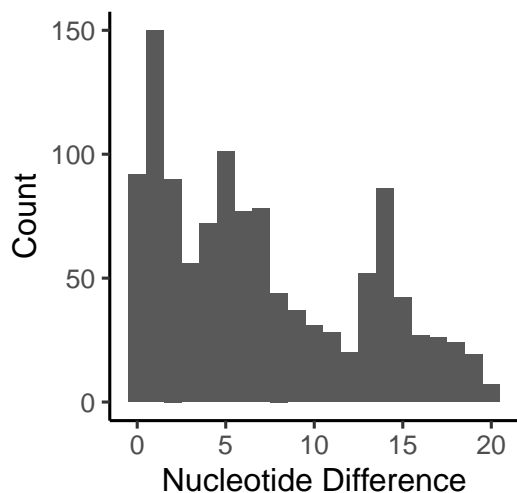
IGHV3S22*01_C61G_A1

10585 sequences assigned
237 (2.2%) exact matches, in which:
195 unique CDR3
6 unique J



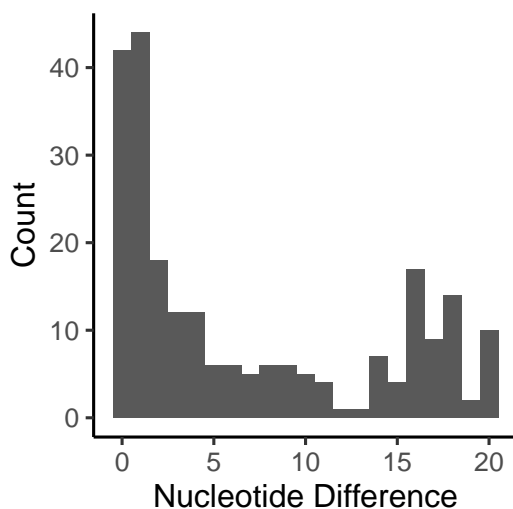
IGHV2S2*01_C6G_G115

1189 sequences assigned
92 (7.7%) exact matches, in which:
79 unique CDR3
6 unique J



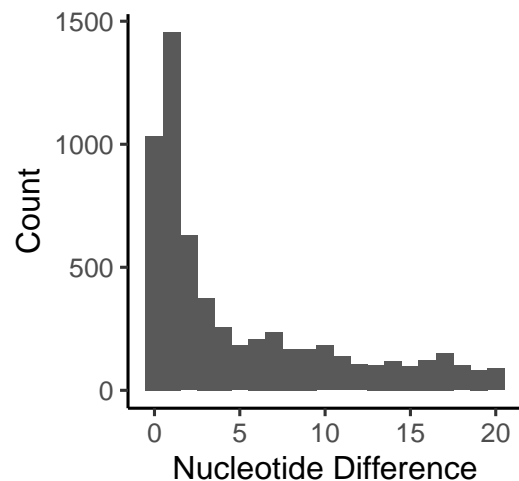
IGHV3S20*01_C34T_A10

473 sequences assigned
42 (8.9%) exact matches, in which:
36 unique CDR3
5 unique J



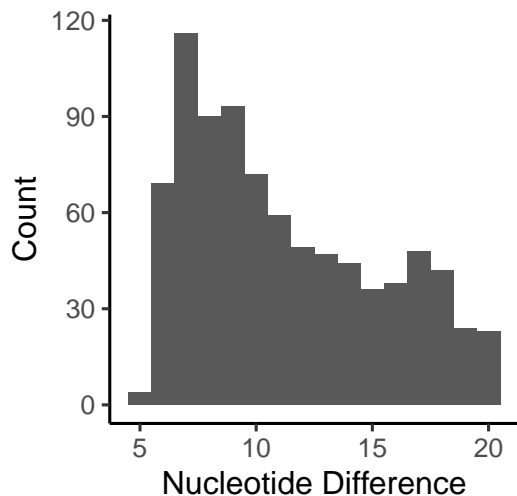
IGHV3S32*01_C114T_T

7551 sequences assigned
1034 (13.7%) exact matches, in which:
876 unique CDR3
6 unique J



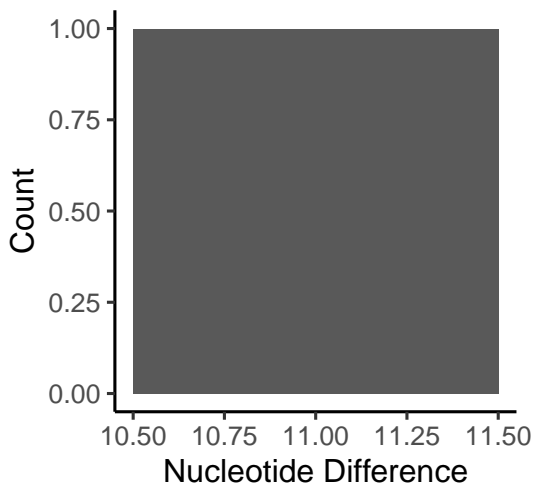
IGHV3S46*01

1080 sequences assigned
No exact matches.



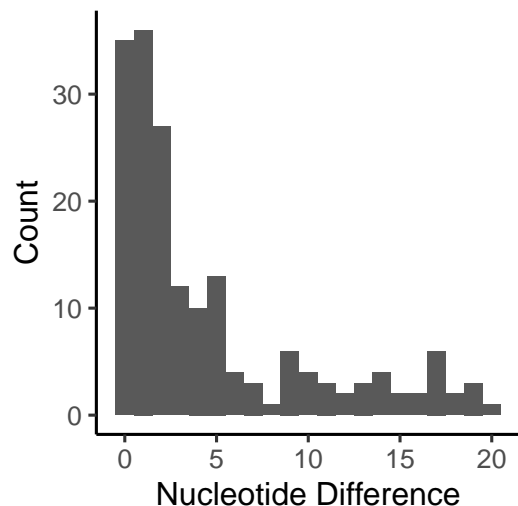
IGHV3S7*01

2 sequences assigned
No exact matches.



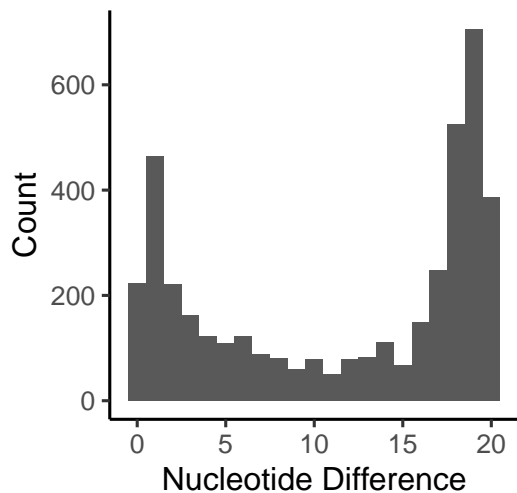
IGHV4S14*01_A116G_C1

222 sequences assigned
35 (15.8%) exact matches, in which:
33 unique CDR3
5 unique J



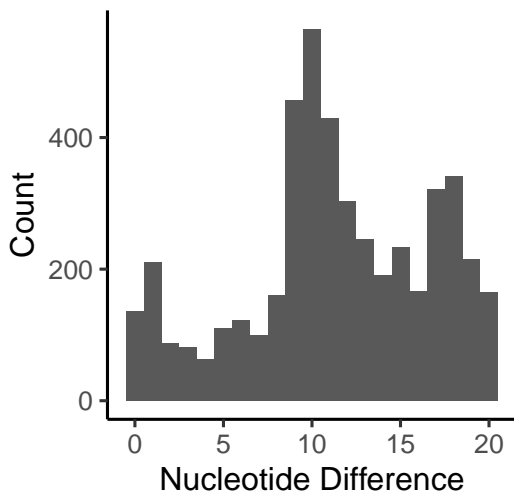
IGHV3S5*01_G166T_C16

7492 sequences assigned
223 (3%) exact matches, in which:
184 unique CDR3
6 unique J



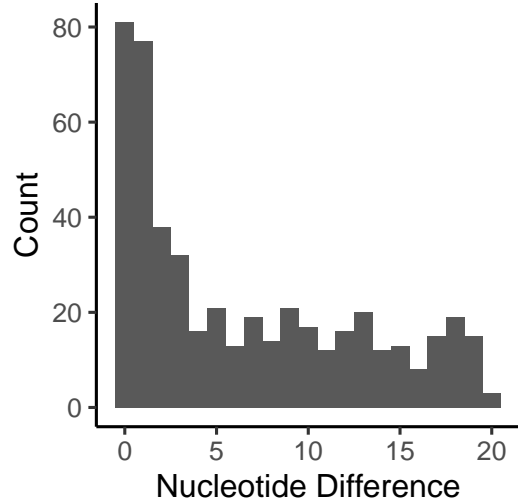
IGHV4S11*01_G4C_T90

6037 sequences assigned
136 (2.3%) exact matches, in which:
122 unique CDR3
6 unique J



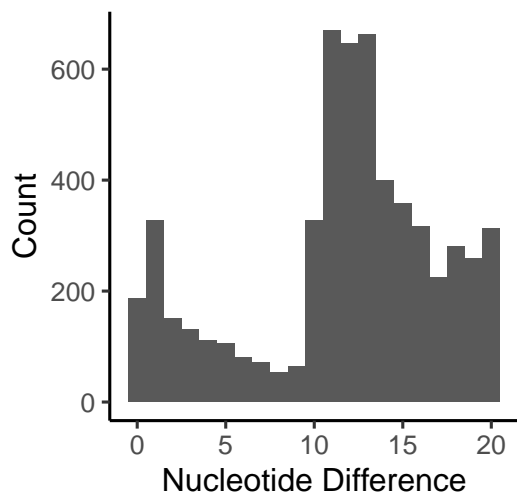
IGHV4S14*01_G70A_T90

581 sequences assigned
81 (13.9%) exact matches, in which:
75 unique CDR3
6 unique J



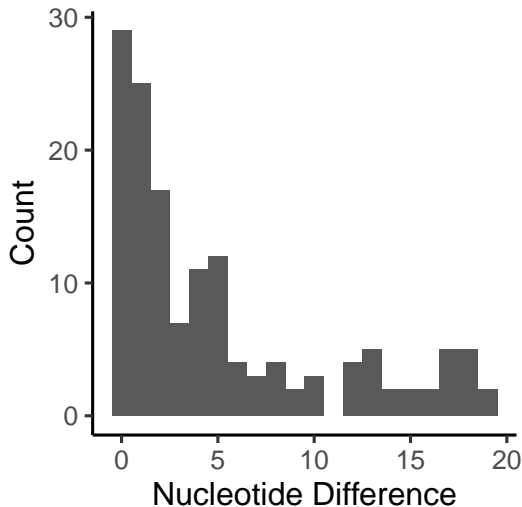
IGHV3S5*01_T19A_G116

7681 sequences assigned
187 (2.4%) exact matches, in which:
166 unique CDR3
6 unique J



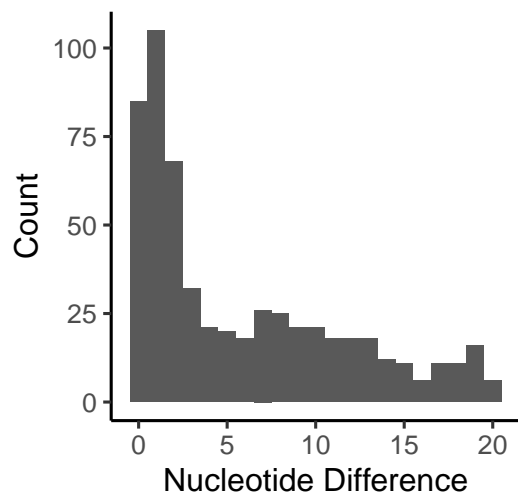
IGHV4S14*01_A116G_C1

183 sequences assigned
29 (15.8%) exact matches, in which:
29 unique CDR3
6 unique J



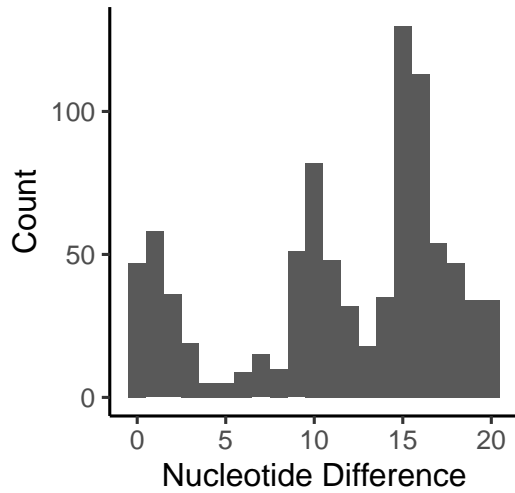
IGHV4S14*01_G70A_T90

657 sequences assigned
85 (12.9%) exact matches, in which:
79 unique CDR3
6 unique J



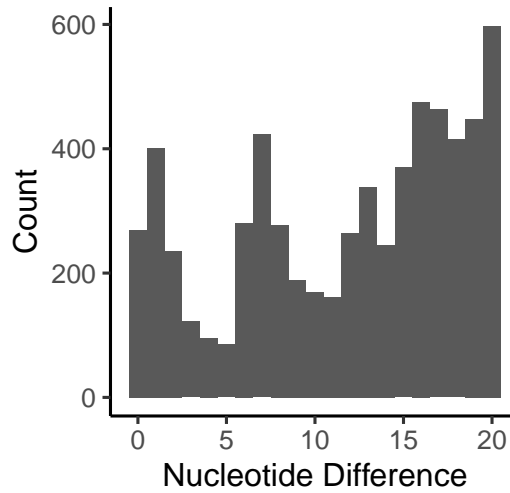
IGHV4S16*01_G70A_A1

1499 sequences assigned
47 (3.1%) exact matches, in which:
44 unique CDR3
6 unique J



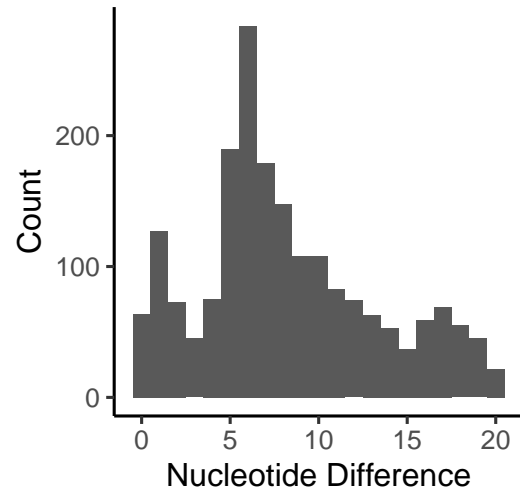
IGHV4S7*01_A106G_G1

9519 sequences assigned
269 (2.8%) exact matches, in which:
246 unique CDR3
6 unique J



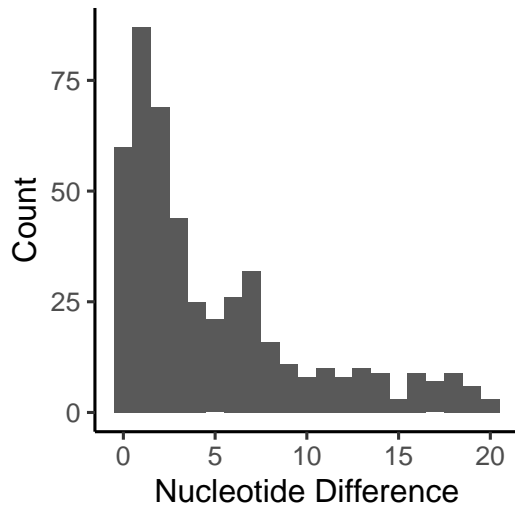
IGHV2-1*01_G6C_G95C

2946 sequences assigned
64 (2.2%) exact matches, in which:
52 unique CDR3
5 unique J



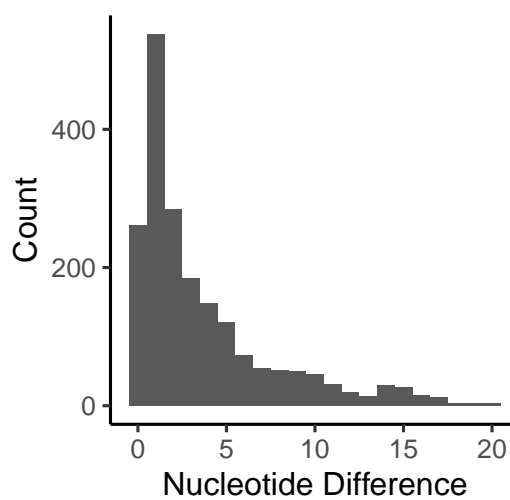
IGHV4S18*01_C34G_G48

571 sequences assigned
60 (10.5%) exact matches, in which:
56 unique CDR3
6 unique J



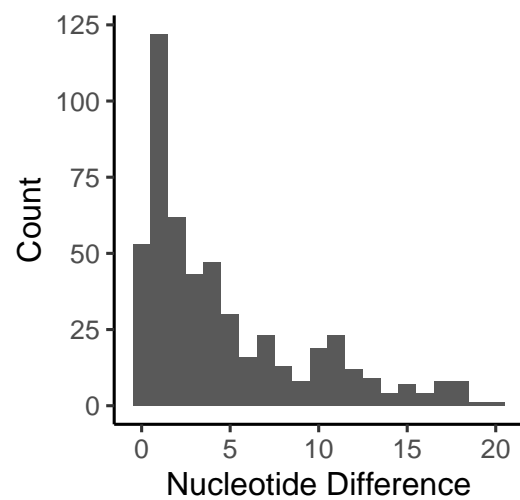
IGHV5S1*01_G51A_A10

2005 sequences assigned
261 (13%) exact matches, in which:
217 unique CDR3
6 unique J



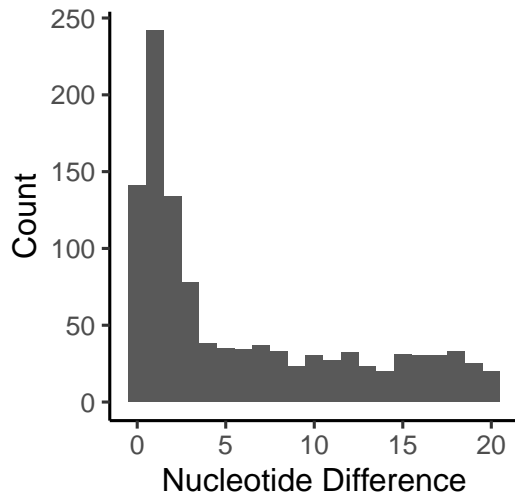
IGHV3-12*01_A298T

548 sequences assigned
53 (9.7%) exact matches, in which:
47 unique CDR3
6 unique J



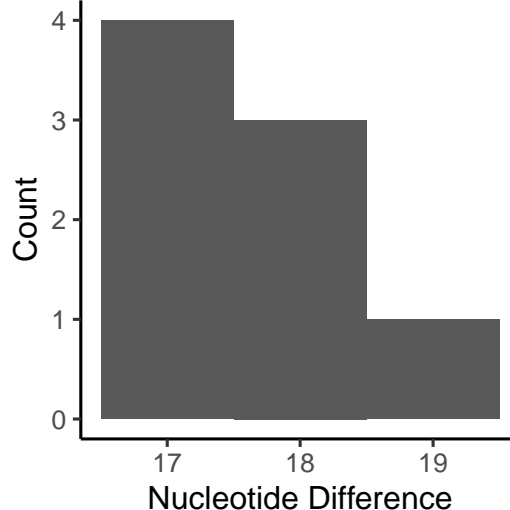
IGHV4S19*01_A166C_G

1829 sequences assigned
141 (7.7%) exact matches, in which:
135 unique CDR3
6 unique J



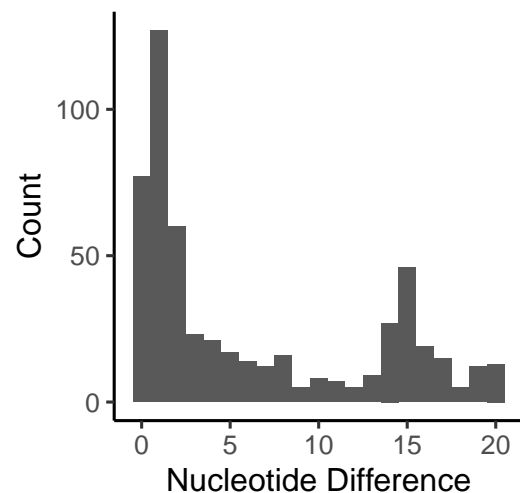
IGHV7S3*01

798 sequences assigned
No exact matches.



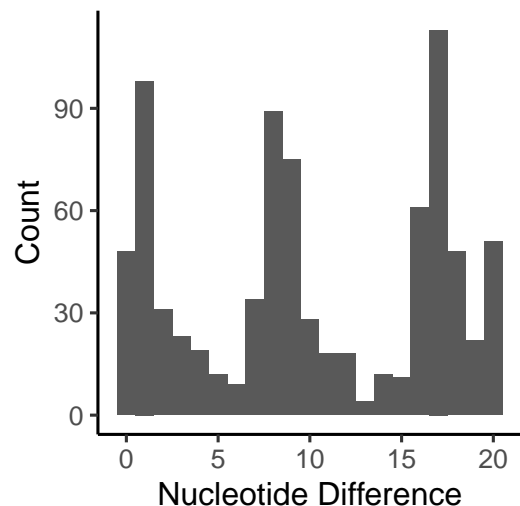
IGHV3-12*01_G121T_A1

625 sequences assigned
77 (12.3%) exact matches, in which:
62 unique CDR3
6 unique J



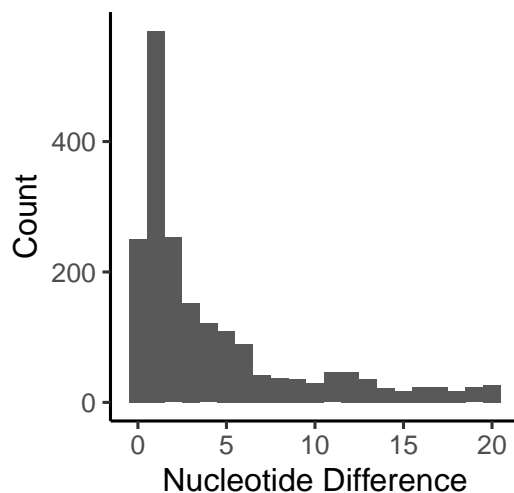
IGHV3-22*01_A39C_G48

1670 sequences assigned
48 (2.9%) exact matches, in which:
39 unique CDR3
5 unique J



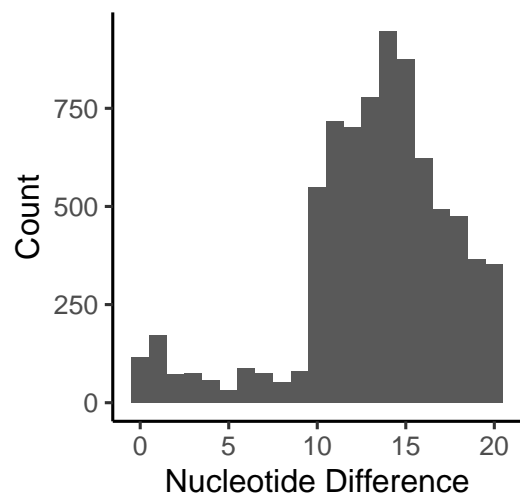
IGHV5-2*01_T298A_G306A_A116G_T121A_A122G_A125G

2411 sequences assigned
250 (10.4%) exact matches, in which:
213 unique CDR3
6 unique J



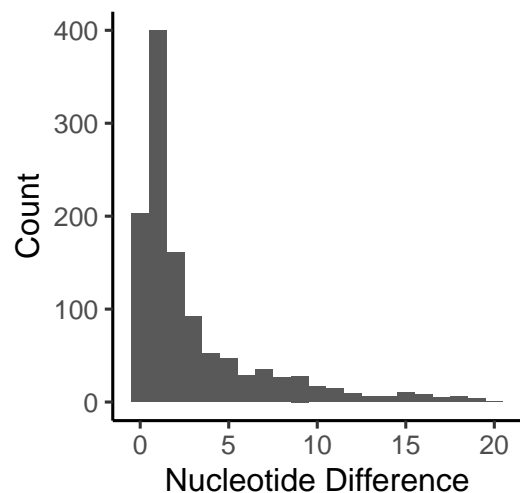
IGHV4-2*01_C4G_A109G_A112T_C173A_C293A

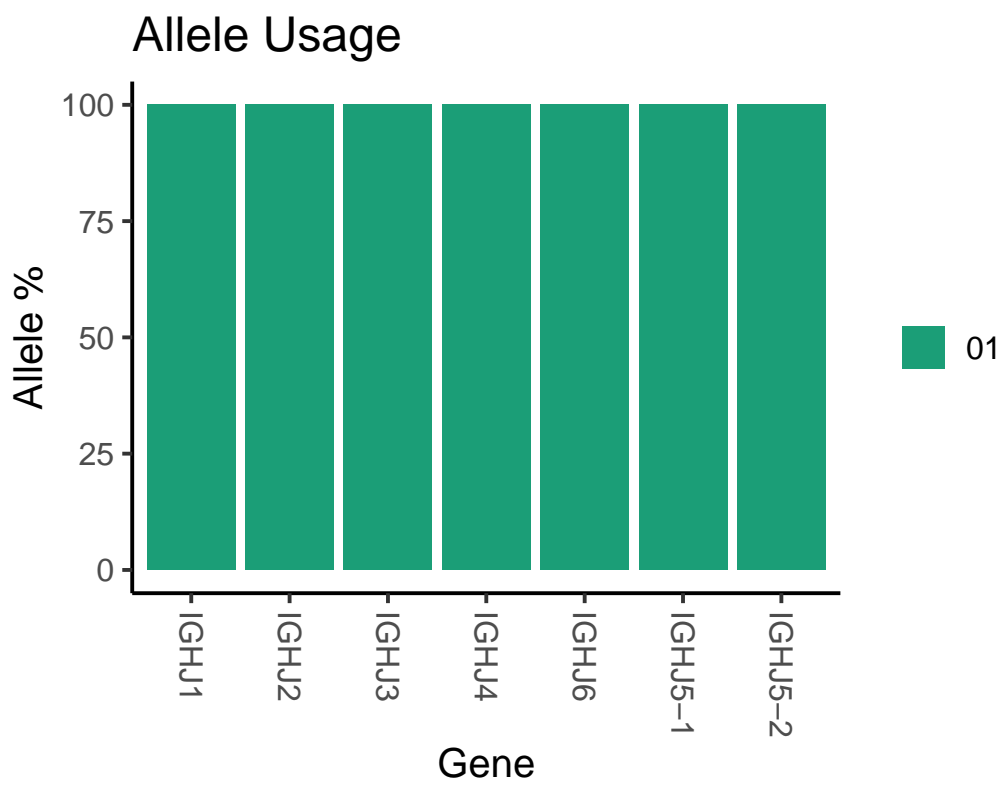
10405 sequences assigned
116 (1.1%) exact matches, in which:
104 unique CDR3
6 unique J



IGHV5-2*01_G206A_C282G_T298A

1186 sequences assigned
203 (17.1%) exact matches, in which:
164 unique CDR3
6 unique J





Warning – no inferred sequences found.