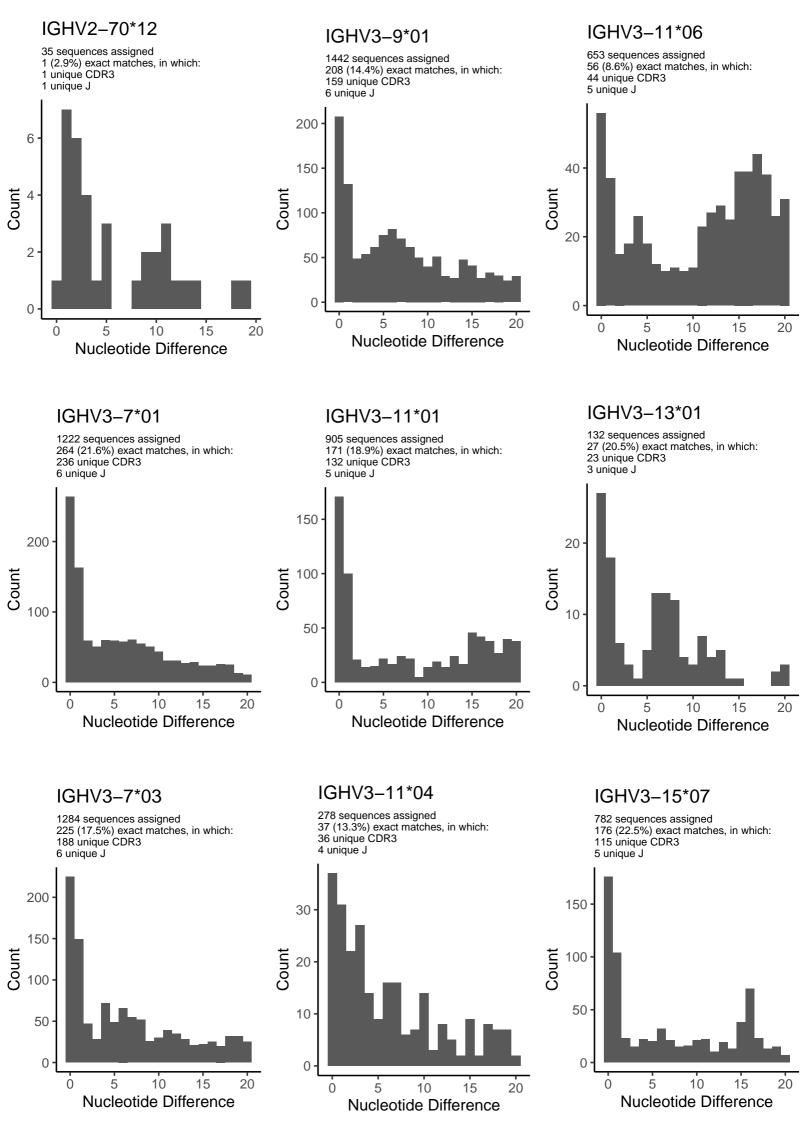
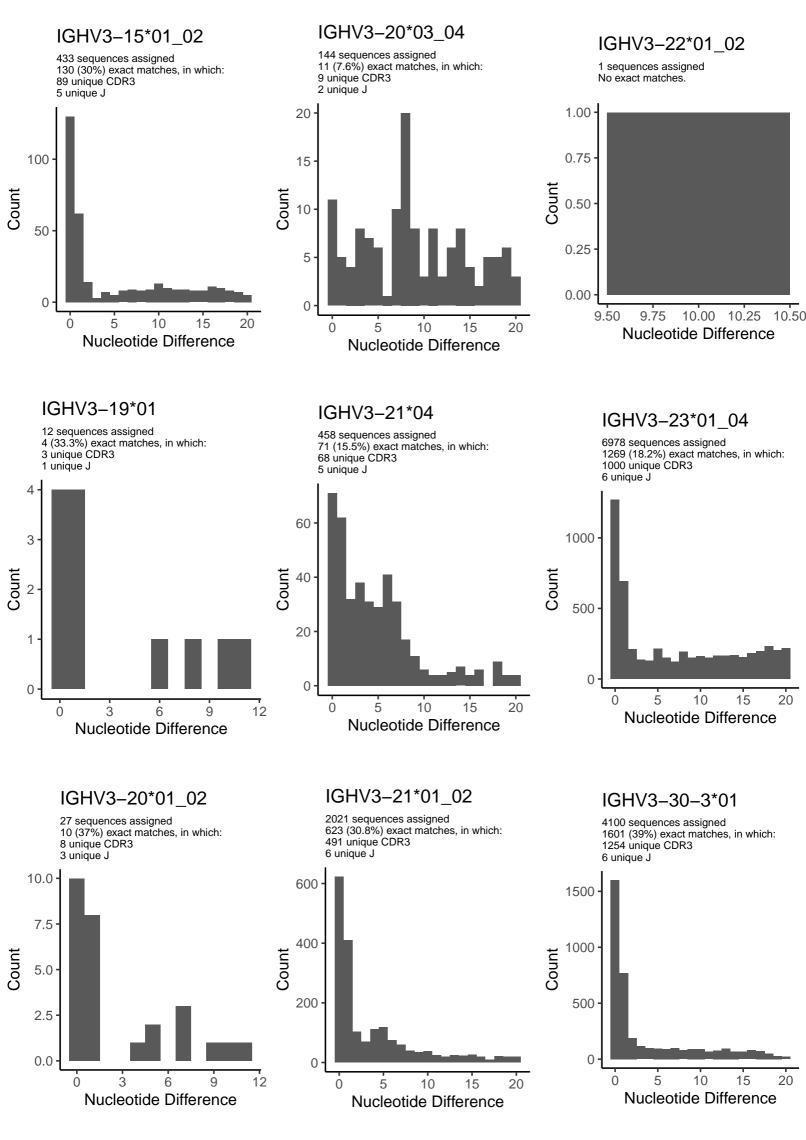
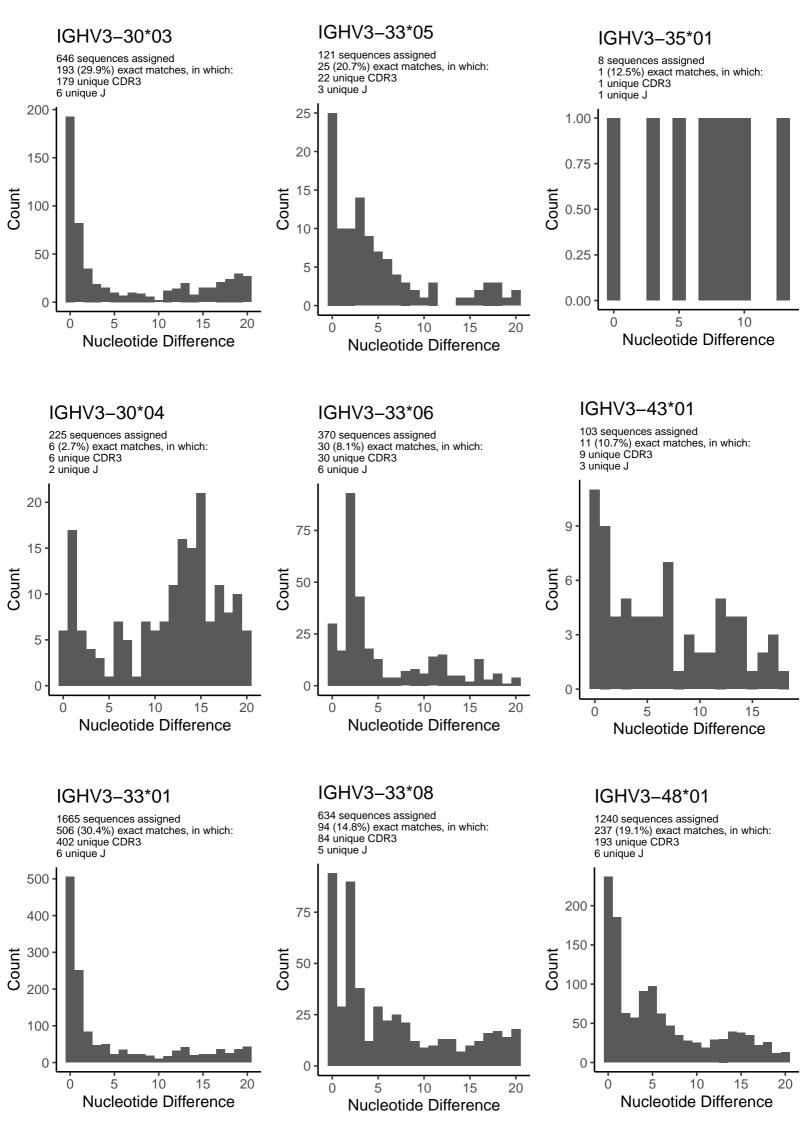
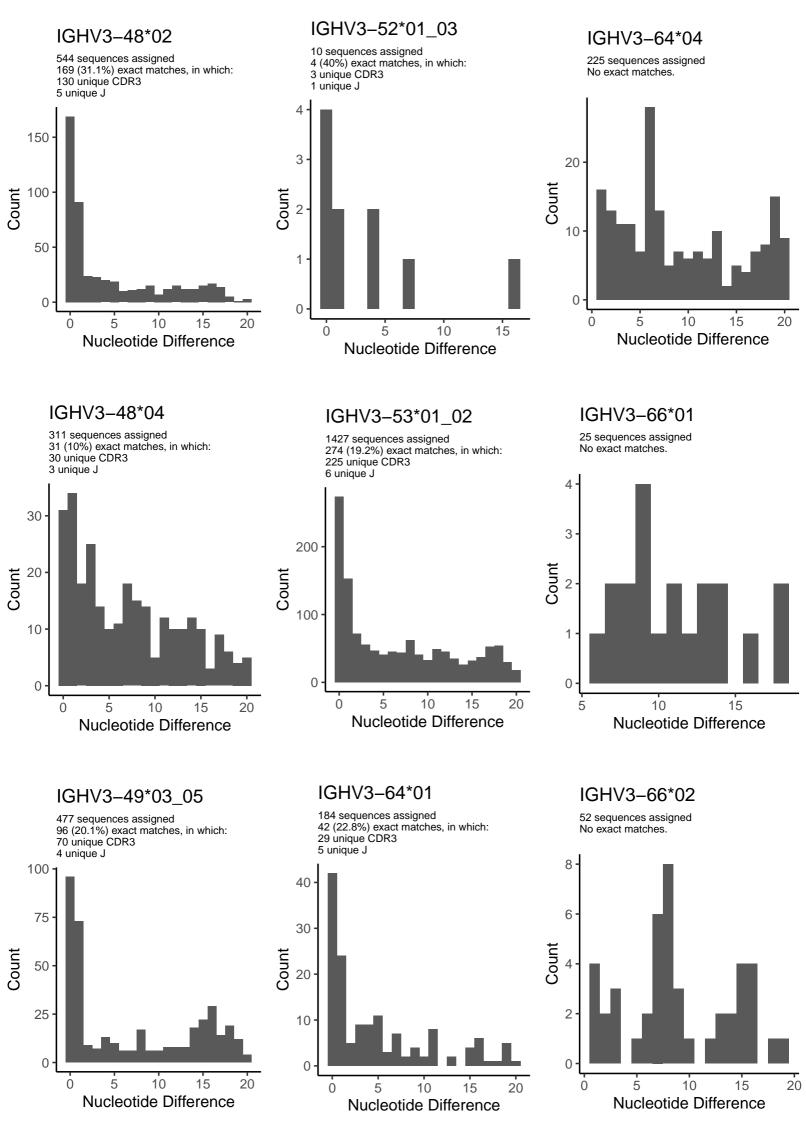


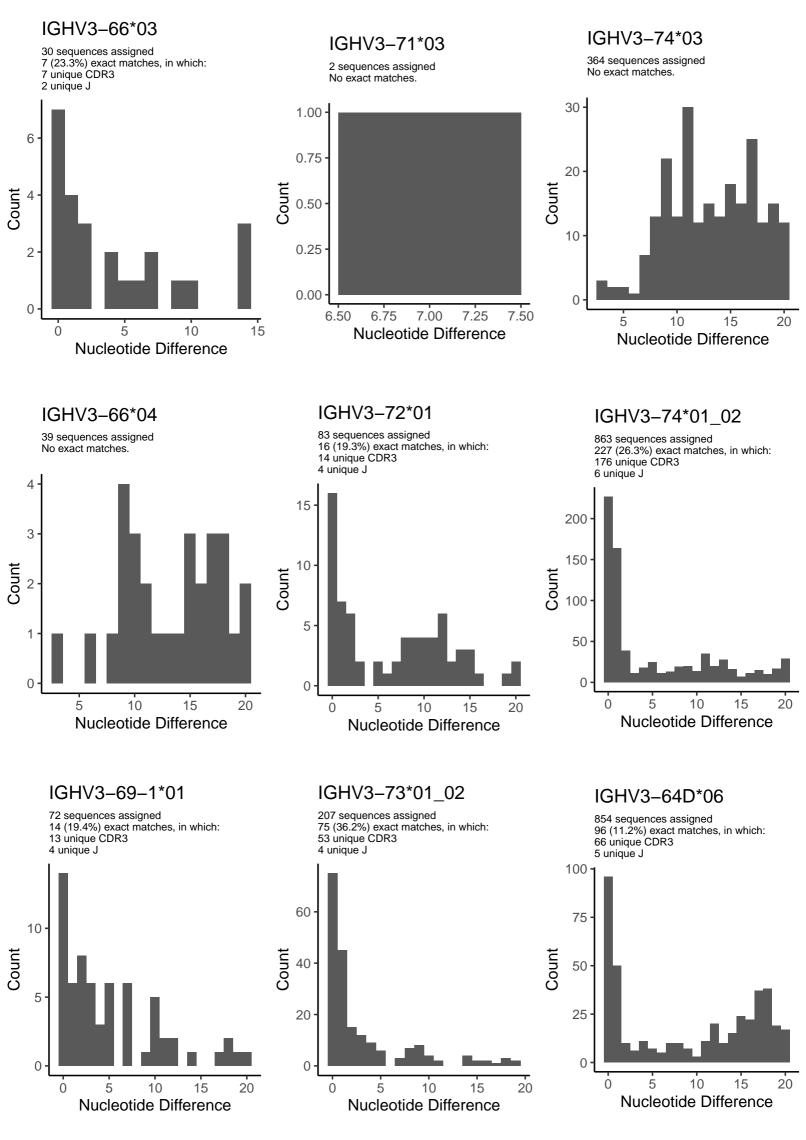
IGHV1-58*02 IGHV2-5*02 IGHV1-69*01_12_13 90 sequences assigned 779 sequences assigned 95 (12.2%) exact matches, in which: 6282 sequences assigned 1732 (27.6%) exact matches, in which: 17 (18.9%) exact matches, in which: 17 unique CDR3 85 unique CDR3 1616 unique CDR3 4 unique J 5 unique J 6 unique J 150 20 1500 15 100 Count 1000 Count 10 50 500 5 0 0 0 0 5 10 15 20 5 10 15 0 10 0 15 **Nucleotide Difference** Nucleotide Difference Nucleotide Difference IGHV1-58*01_03 IGHV2-26*01 IGHV1-69*10 129 sequences assigned 35 (27.1%) exact matches, in which: 140 sequences assigned 43 (30.7%) exact matches, in which: 4278 sequences assigned 678 (15.8%) exact matches, in which: 34 unique CDR3 39 unique CDR3 648 unique CDR3 5 unique J 5 unique J 6 unique J 40 40 600 30 30 400 Count Count Count 20 20 200 10 10 0 0 0 10 15 20 0 5 10 15 20 10 15 0 0 Nucleotide Difference Nucleotide Difference Nucleotide Difference IGHV1-69-2*01 IGHV2-70*01 IGHV1-NL1*01 34 sequences assigned 308 sequences assigned 12 sequences assigned 8 (23.5%) exact matches, in which: No exact matches. 38 (12.3%) exact matches, in which: 8 unique CDR3 34 unique CDR3 2 unique J 4 unique J 5 80 4 60 6 Count P Count 40 20 2 1 0 0 9 10 11 12 0 10 15 20 0 10 15 20 Nucleotide Difference **Nucleotide Difference** Nucleotide Difference

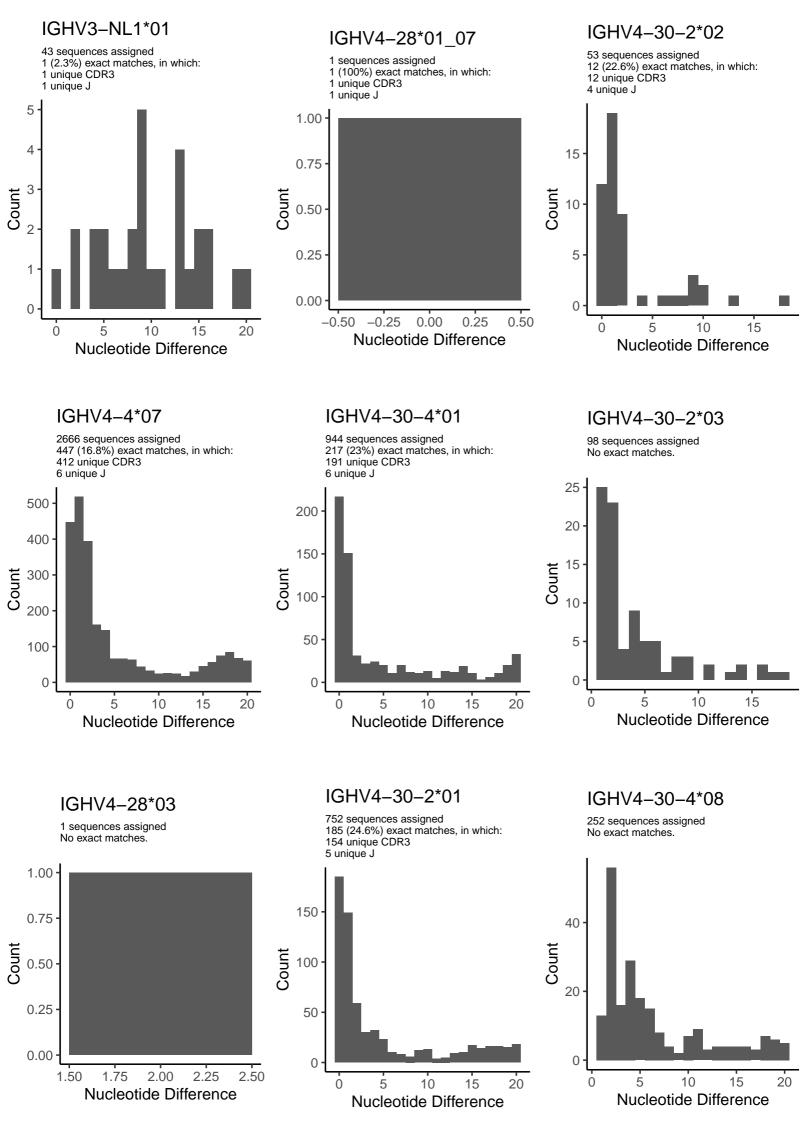


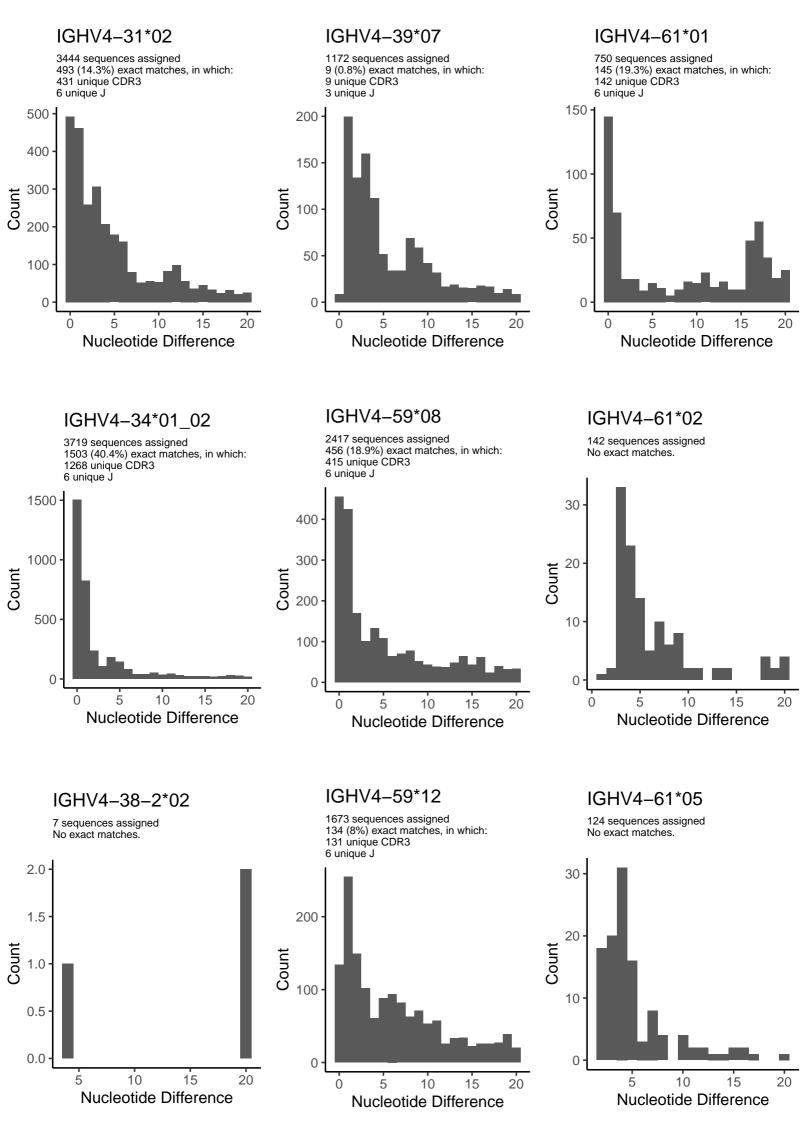


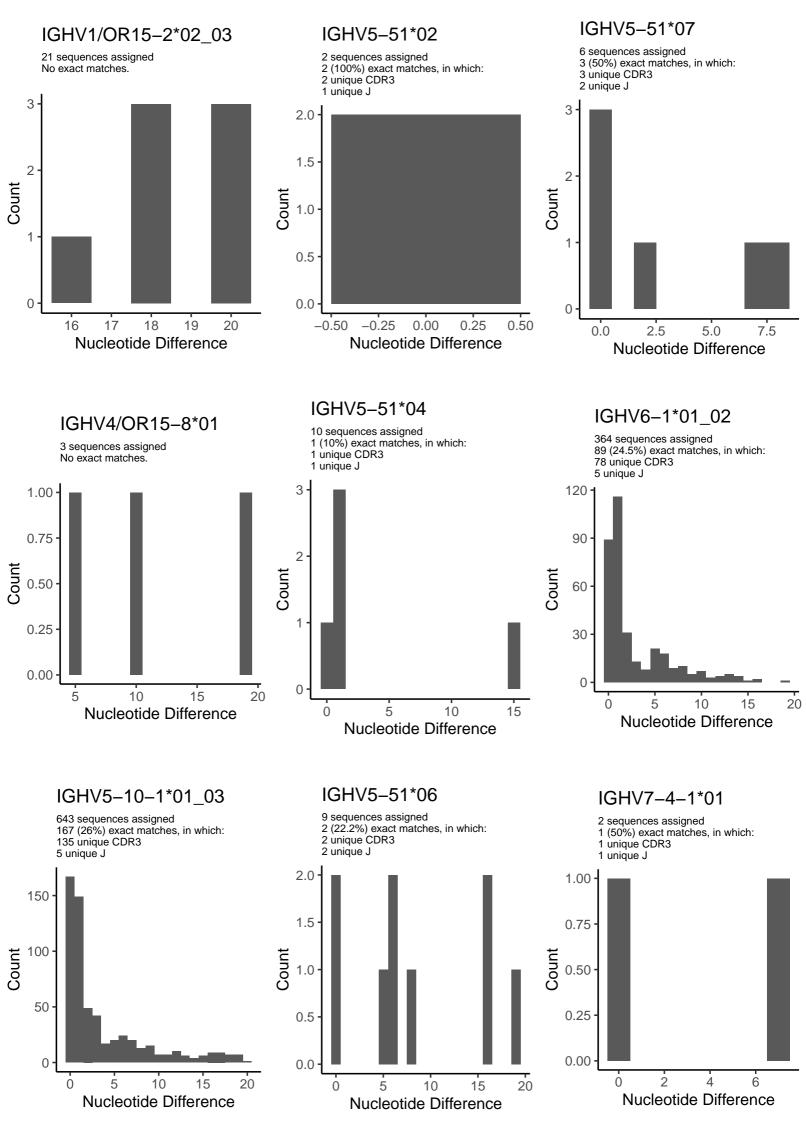














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