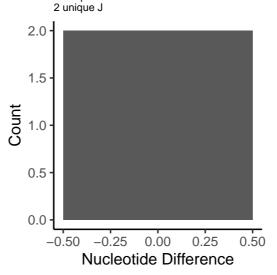


1119 sequences assigned 572 (51.1%) exact matches, in which: 571 unique CDR3 6 unique J 600 200 5 10 15 20 Nucleotide Difference

IGHV5-51*01_03

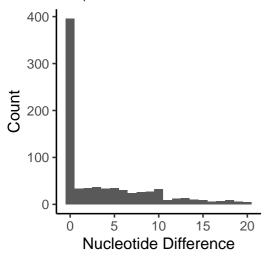
IGHV7-81*01

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



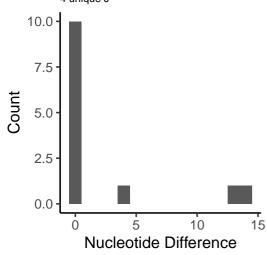
IGHV6-1*01_02

824 sequences assigned 396 (48.1%) exact matches, in which: 396 unique CDR3 6 unique J



IGHV7-4-1*01

13 sequences assigned 10 (76.9%) exact matches, in which: 10 unique CDR3 4 unique J





Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Warning - no inferred sequences found. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02 G88A IGHV5-51*07 A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV4-39*02_C258G IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV3-11*06_T300C are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV3-11*06_T300C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV3-11*06_T300C IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning - no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*11_C109T IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV3-30*04_C203T IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored. Warning – no inferred sequences found. Novel sequence(s) IGHV4-59*02_G88A IGHV5-51*07_A128G are not listed in the genotype and will be ignored.