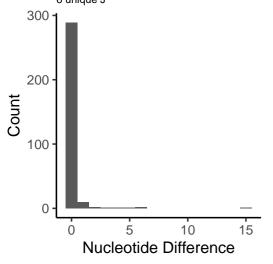


## IGHV5-10-1\*03 IGHV7-4-1\*02 151 sequences assigned 139 (92.1%) exact matches, in which: 139 unique CDR3 114 sequences assigned 103 (90.4%) exact matches, in which: 103 unique CDR3 6 unique J 7 unique J 100 75 100 Count 50 50 25 0 0 2.5 5.0 0.0 10 **Nucleotide Difference Nucleotide Difference**

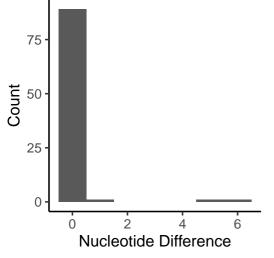
## IGHV5-51\*01

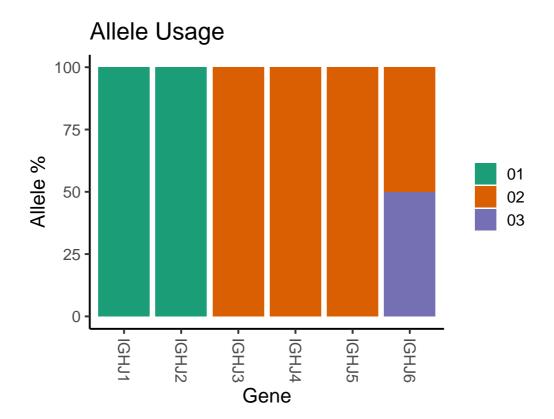
307 sequences assigned 289 (94.1%) exact matches, in which: 288 unique CDR3 6 unique J



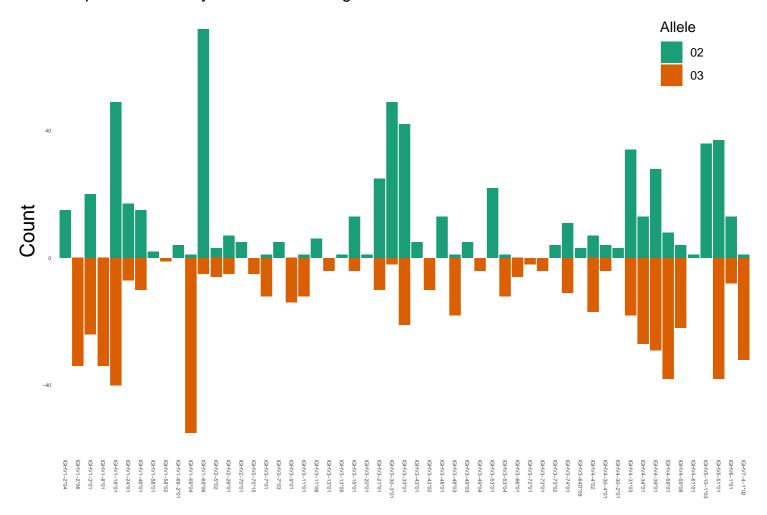
## IGHV6-1\*01

92 sequences assigned 89 (96.7%) exact matches, in which: 89 unique CDR3 6 unique J





## Sequence Count by IGHJ6 allele usage



/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	_	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.
/arning	-	no	inferred	sequences	found.