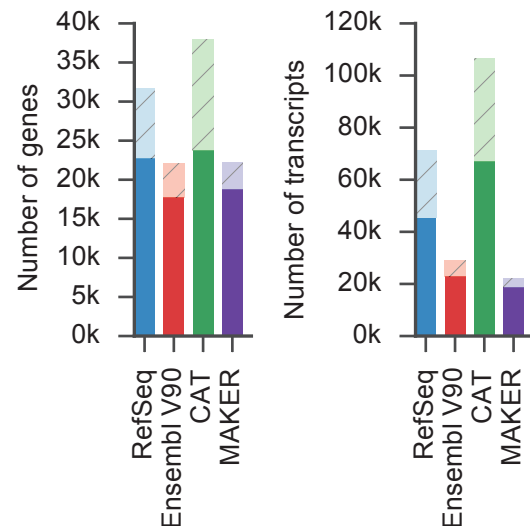


A) Jaccard similarity in Rat annotation sets

annotation pair	exon Jaccard similarity	intron Jaccard similarity
Ensembl V90/ RefSeq	0.658	0.749
CAT/Ensembl V90	0.649	0.74
CAT/RefSeq	0.648	0.841
Ensembl V90/ MAKER	0.514	0.364
CAT/MAKER	0.484	0.334
MAKER/RefSeq	0.464	0.337

B) Measurable expression with different rat annotation sets



C) Jaccard similarity in Human GRCh37 annotation sets

annotation pair	exon Jaccard similarity	intron Jaccard similarity
CAT/GENCODE V27lift37	0.617	0.836

E) Isoform validation

Annotation	Exactly matches annotation	Fuzzy matches (±8bp) annotation
CAT	14,457 (75.2%)	15,920 (82.8%)
GENCODE v27lift37	11,004 (57.2%)	12,911 (67.1%)

D) Human iPSC measurable expression of protein coding genes

