## A) Isoform level accuracy compared using full length transcript sequencing of species-specific iPSC RNA

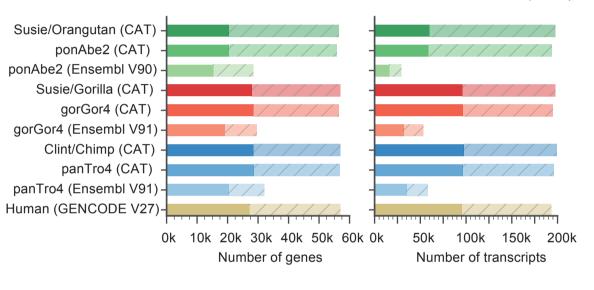
	Human (GENCODE V27)	Clint/ Chimpanzee (CAT)	Susie/ Gorilla (CAT)	Susie/ Orangutan (CAT)	panTro4 (CAT)	gorGor4 (CAT)	ponAbe2 (CAT)	panTro4 (Ensembl V91)	gorGor4 (Ensembl V91)	ponAbe2 (Ensembl V90)
Multi-exon collapsed ICE transcripts	19,271	18,863	22,383	14,377	17,455	20,046	13,102	18,665	20,046	13,102
Exactly matches annotation	14,379	13,950	15,137	10,258	11,175	12,789	6,857	10,252	10,130	5,000
	(74.6%)	(74.0%)	(67.6%)	(71.4%)	(64.0%)	(63.8%)	(52.3%)	(55.0%)	(50.5%)	(38.2%)
Fuzzy matches (±8bp) annotation	15,826	15,485	17,201	11,563	12,755	14,459	8,303	11,995	11,901	6,426
	(82.1%)	(82.1%)	(76.9%)	(80.4%)	(73.1%)	(72.2%)	(63.4%)	(64.3%)	(59.4%)	(49.1%)

B) Non-zero expression estimates of species-specific iPSC RNA-seq (Kallisto)

C) Incorporation of AugustusCGP and AugustusPB predictions

15,242

13,463



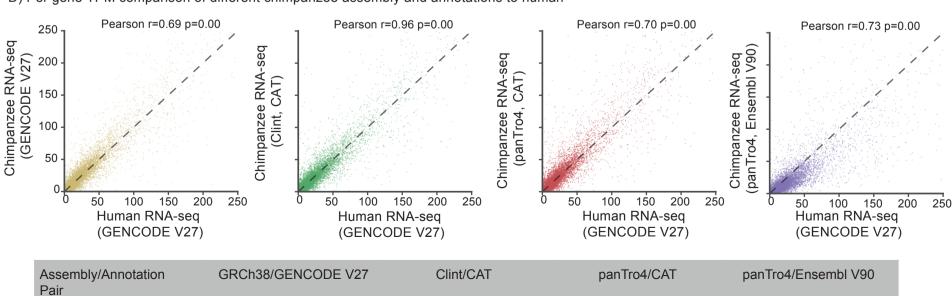
	Clint/ Chimp	Susie/ Gorilla	Susie/ Orangutan						
AugustusPB putative novel isoform	1720	1251	1425						
AugustusCGP putative novel isoform	265	192	178						
AugustusPB putative paralogous loci	52	48	58						
AugustusCGP putative paralogous loci	14	11	9						

D) Per gene TPM comparison of different chimpanzee assembly and annotations to human

16,098

Number of coding genes

with TPM > 0.1



15,277