A) Number of BUSCO genes not found in CAT annotations of 13 mammalian genomes B) Non-zero expression estimates of Mus pahari Rat (rn6) Rhesus Chimpanzee Human Gorilla Orangutan species-specific mixed RNA-seq (Kallisto) (rheMac3) (panTro4) (hg19) (gorGor3) (ponAbe2) 130k 120k Number of 38 99 138 90 26 184 133 110k Number of transcripts **BUSCOs** 100k 90k Cat Rabbit Sheep Elephant Dog Cow 80k (felCat8) (oryCun2) (canFam3) (oviAri3) (bosTau8) (loxAfr3) 70k 60k 50k 40k 95 114 147 90 162 93 Number of 30k **BUSCOs** 20k 10k C) Paralogous alignment rate 0k 130000 50k Number of Number of transcripts 45k 120000 alignments 40k **■** ≥ 4 Number of genes 100000 35k 30k 80000 = 1 25k 20k 60000 15k 10k 40000 5k 20000 0k Rabbit (oryCun2)
Dog (canFam3)
Sheep (oviAri3)
Cow (bosTau8) 0 Rhesus (rheMac3)-Human (hg19) Gorilla (gorGor3) Chimpanzee (panTro4) Mus pahari Orangutan (ponAbe2) Cat (felCat8) Rabbit (oryCun2) Dog (canFam3) Sheep (oviAri3) Elephant (loxAfr3) Rat (rn6) Cow (bosTau8) Elephant Orangutan