A) Jaccard similarity in Rat annotation sets annotation **Ensembl** CAT/ CAT/RefSeq Ensembl CAT/ MAKER/ V90/RefSeq V90/MAKER **MAKER** RefSeq pair Ensembl V90 0.658 0.649 0.648 0.514 0.484 0.464 exon Jaccard similarity 0.749 0.74 0.841 0.364 0.334 0.337 intron Jaccard similarity B) Measurable expression with C) AUGUSTUS improvement for 10,335 transcripts different rat annotation sets 100 % 40k 120k CAT RNA-seq intron support 35k 100k Number of transcripts 80 genes 30k 80k 25k 60 Number of 20k 60k 15k 40k 40 10k 20k 5k 20 0k 0k CAT MAKER RefSeq 60 20 40 80 100 Ensembl transMap RNA-seg intron support %