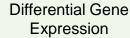


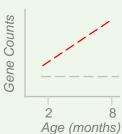
Tau model (rTg4510) (Chapters 4 - 6) WT TG Progressive pathology (months) (Chapter 3) Short-reads Long-reads (PacBio Iso-Seq, ONT cDNA) (Illumina RNA-Seq) **Targeted Profiling** Whole Transcriptome (Enrichment of 20-AD associated genes) (Global Transcriptomic assessment) (Chapter 4,5) (Chapter 6)

Comprehensive annotation of mouse transcriptome

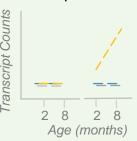


Transcriptomic changes associated AD pathology Global (Chapter 5) & Targeted (Chapter 6)





Differential Isoform Expression



Differential Isoform Usage



