

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **RSEM counts for hNPCs, mouse E9.5 forebrain, and ERCC samples.**

File Name: Supplementary Data 2

Description: **rMATS junction counts results for hNPCs.** Results for THOC6^{W100*/+} versus THOC6^{E188K/E188K} highlighted in purple, and comparison of THOC6^{W100*/+} versus THOC6^{W100*/W100*} in green. Significance determined by likelihoodratio test. Event types: SE, skipped exon; RI, retained intron; A5SS, alternative 5' splice site; A3SS, alternative 3' splice site; MXE, mutually exclusive exon. ΔPSI values are relative to affected genotypes. Inclusion level 1 is unaffected and inclusion level 2 is affected. Negative PSI indicates stronger inclusion in affected condition.

File Name: Supplementary Data 3

Description: **rMATS junction counts for mouse E9.5 forebrain.** Results for comparison of Thoc6^{+/+} versus Thoc6^{fs/fs}. Significance determined by likelihood-ratio test. Event types: SE, skipped exon; RI, retained intron; A5SS, alternative 5' splice site; A3SS, alternative 3' splice site; MXE, mutually exclusive exon. ΔPSI values are relative to Thoc6^{fs/fs}. Inclusion level 1 is for Thoc6^{+/+} and inclusion level 2 is Thoc6^{fs/fs}. Negative PSI indicates stronger inclusion in affected condition.