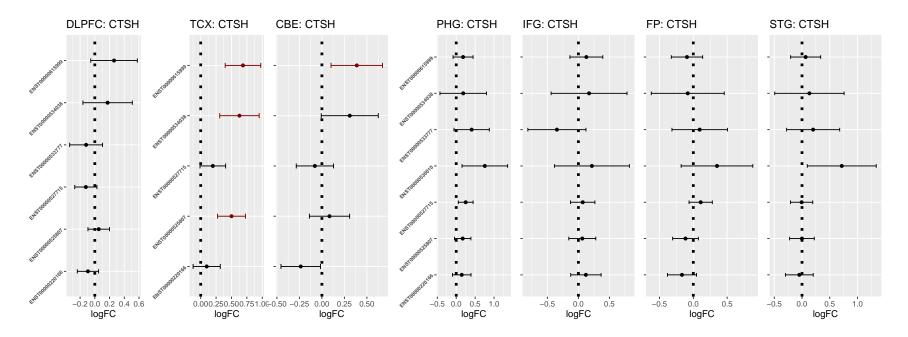
# CTSH: Transcript Report

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#### Log2 Fold Change of Transcripts By Brain Region Case V. Control

Red indicates over expressed and Blue indicates under expressed in cases versus Controls AD = CDR >= 1 & Braak >= 4 & CERAD >= 2 CONTROL = CDR <= 0.5 & Braak <= 3 & CERAD <= 1



## Log2 Fold Change of Transcripts By Cognitive Assesment

Red indicates over expressed and Blue indicates under expressed in cases versus Controls ROSMAP: Cogdx = 4 Versus CogDx = 1

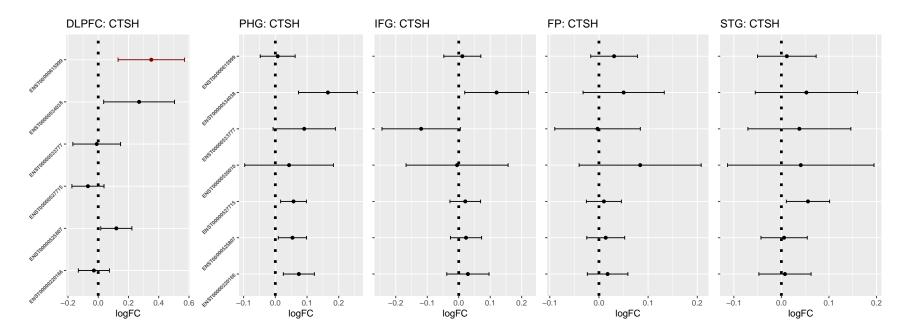
Cogdx = 4: AD: Alzheimer's dementia and NO other cause of CI (NINCDS PROB AD)

Cogdx = 1: NCI: No cognitive impairment (No impaired domains)

MSBB: CDR = 5 Versus CDR = 0

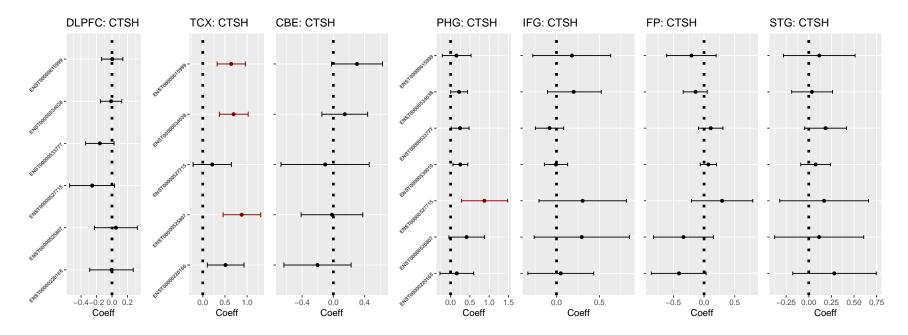
CDR = 5: Severe cognitive decline

CDR = 0: No cognitive decline



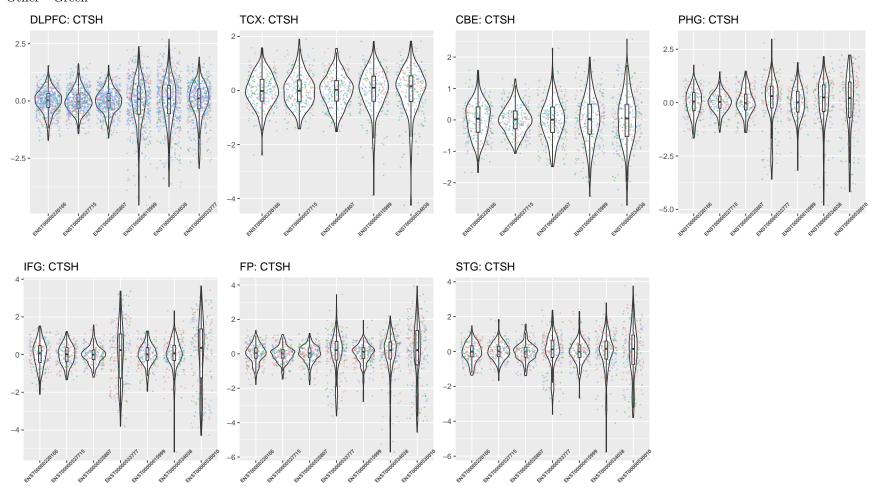
### Neuropathology Associations

All associations are logistic ordinal regression models preformed on Braak Score with P-Values correct to the total number of transcripts belonging to the user input gene list expressed in the respective tissue.



### Transcript Expression Level Boxplot Case V. Control

AD = CDR >= 1 & Braak >= 4 & CERAD >= 2 - Red CONTROL = CDR <= 0.5 & Braak <= 3 & CERAD <= 1 - Blue Other - Green



#### Gene Model

Only expressed trascripts i.e. those in the analysis above are used in the gene model.

