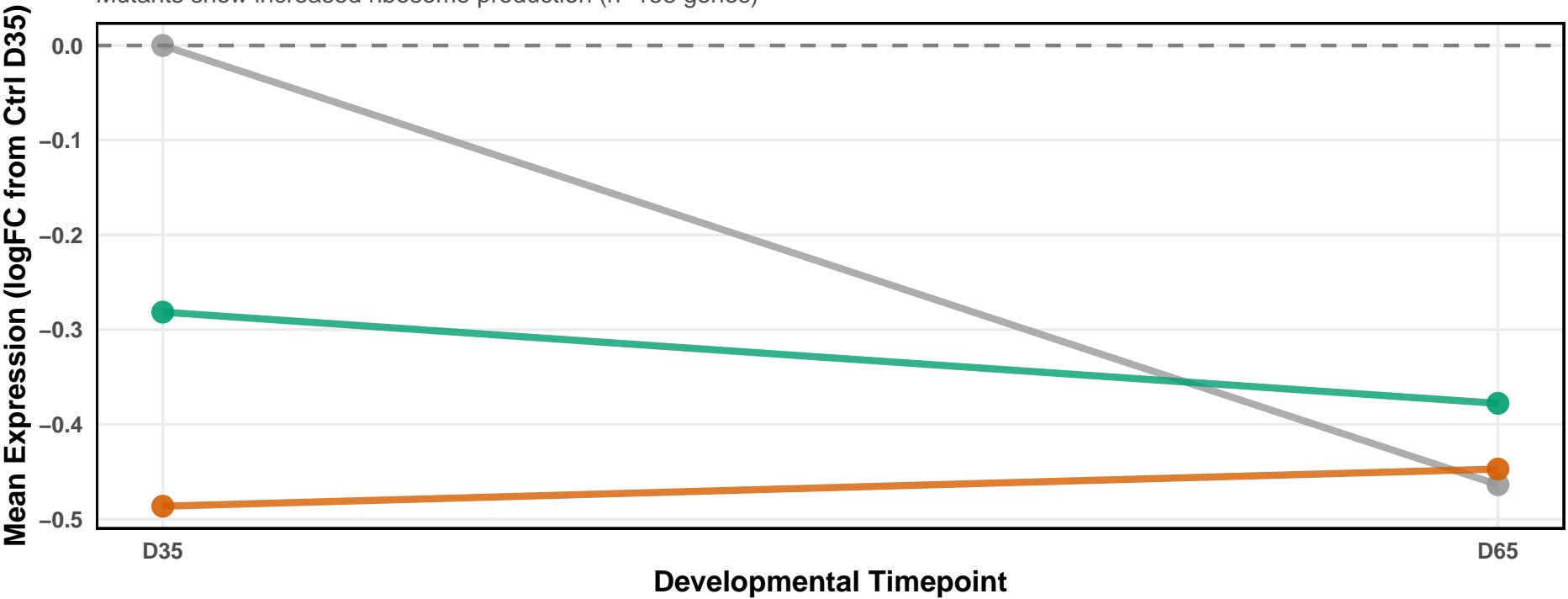


Critical Period Trajectories: D35 → D65 Maturation Dynamics

DRP1 mutants show paradoxical response during neuronal maturation

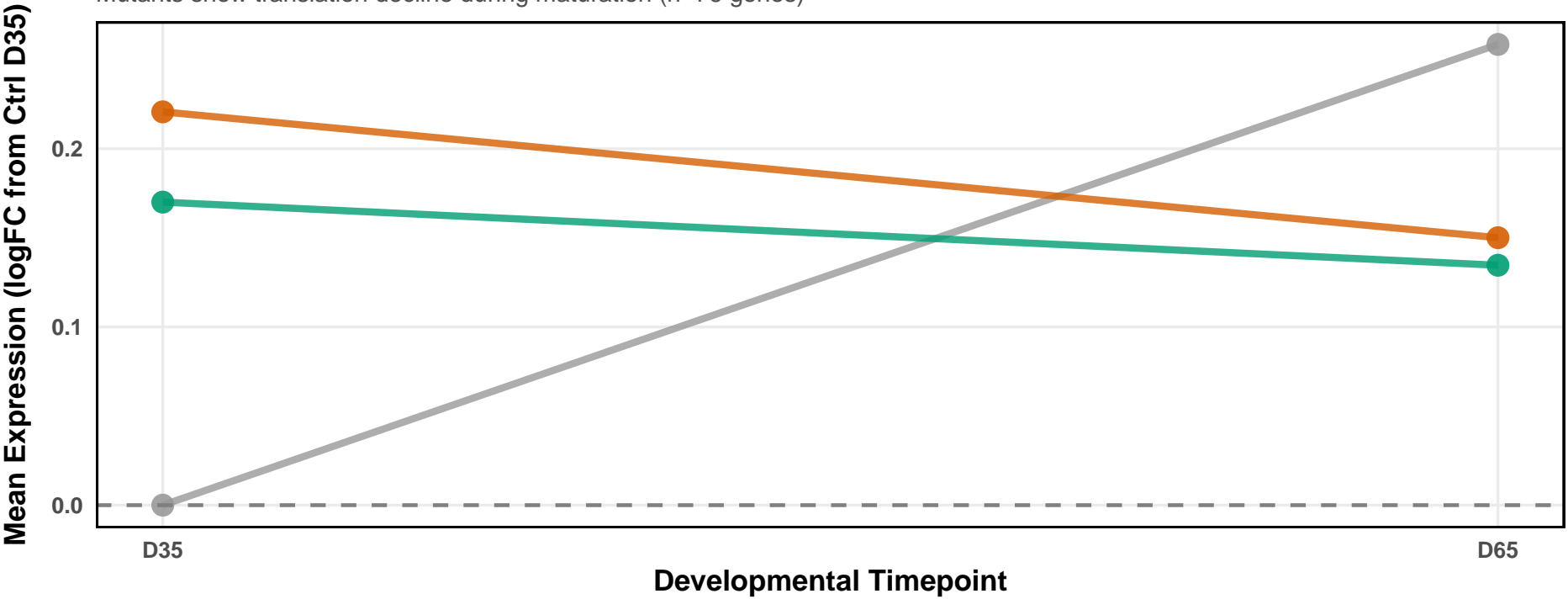
Ribosome Biogenesis: Compensatory Upregulation

Mutants show increased ribosome production (n=158 genes)



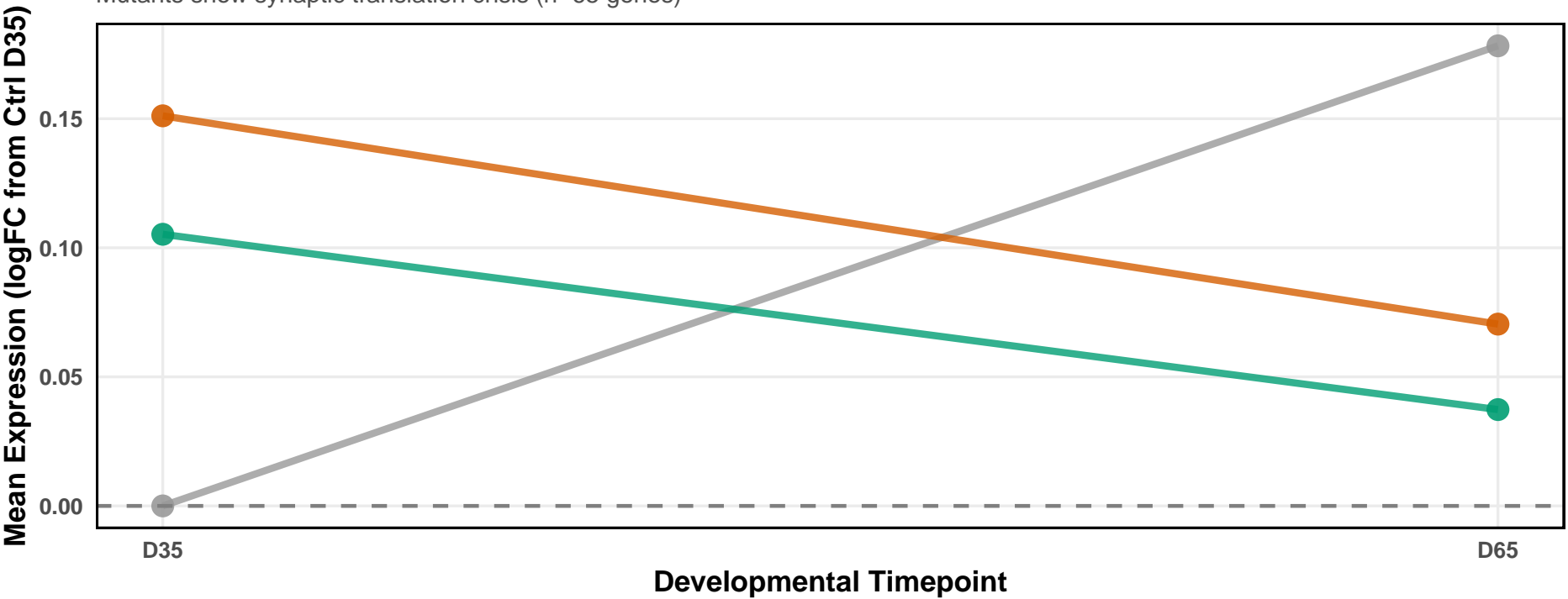
Cytoplasmic Translation: Functional Failure

Mutants show translation decline during maturation (n=76 genes)



Synaptic Ribosomes: Critical Period Failure

Mutants show synaptic translation crisis (n=65 genes)



Genotype ● Control ● G32A mutant ● R403C mutant