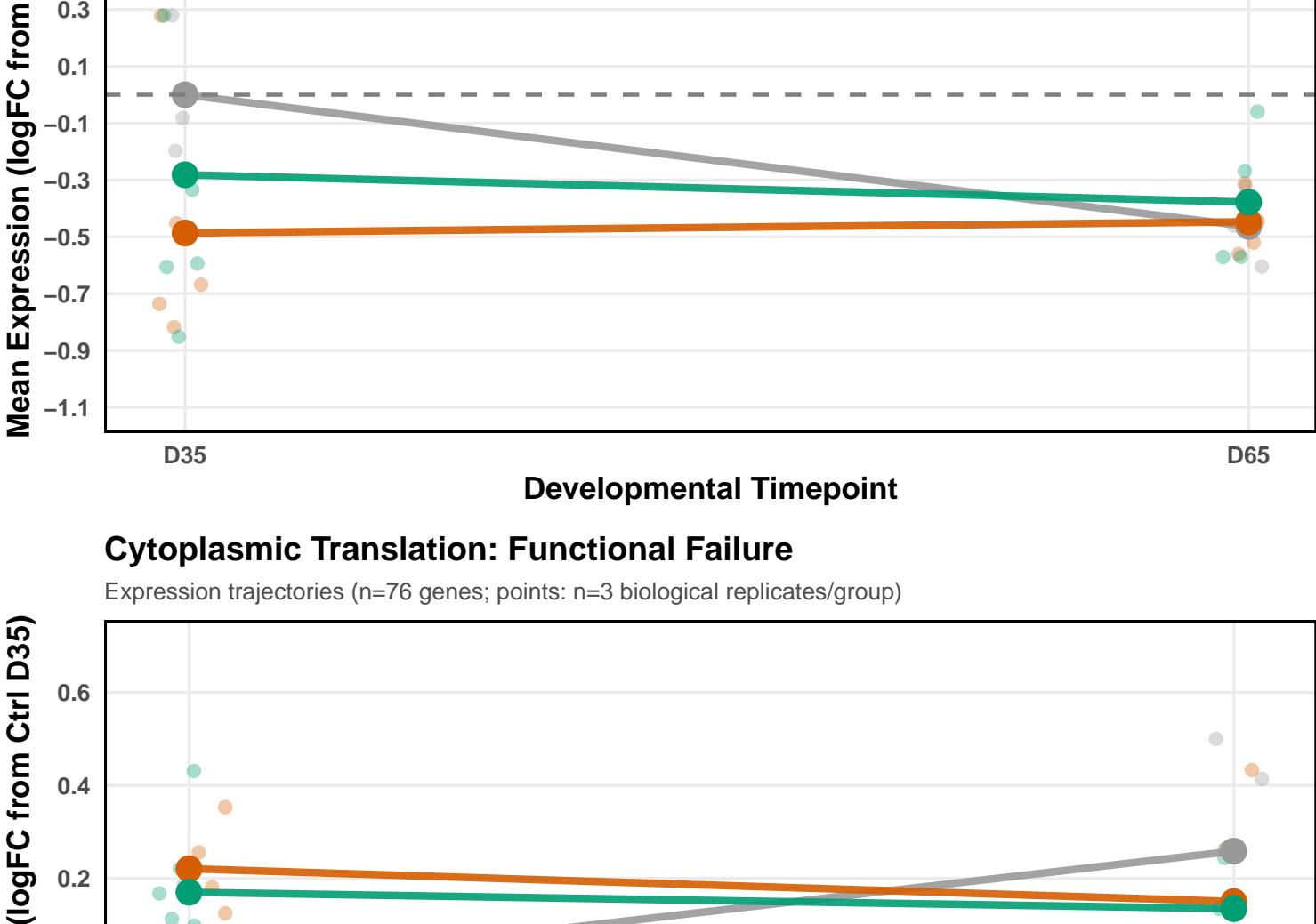


Critical Period Trajectories: Cytoplasmic & Mitochondrial Dynamics

DRP1 mutants show paradoxical response with mitochondrial compensation

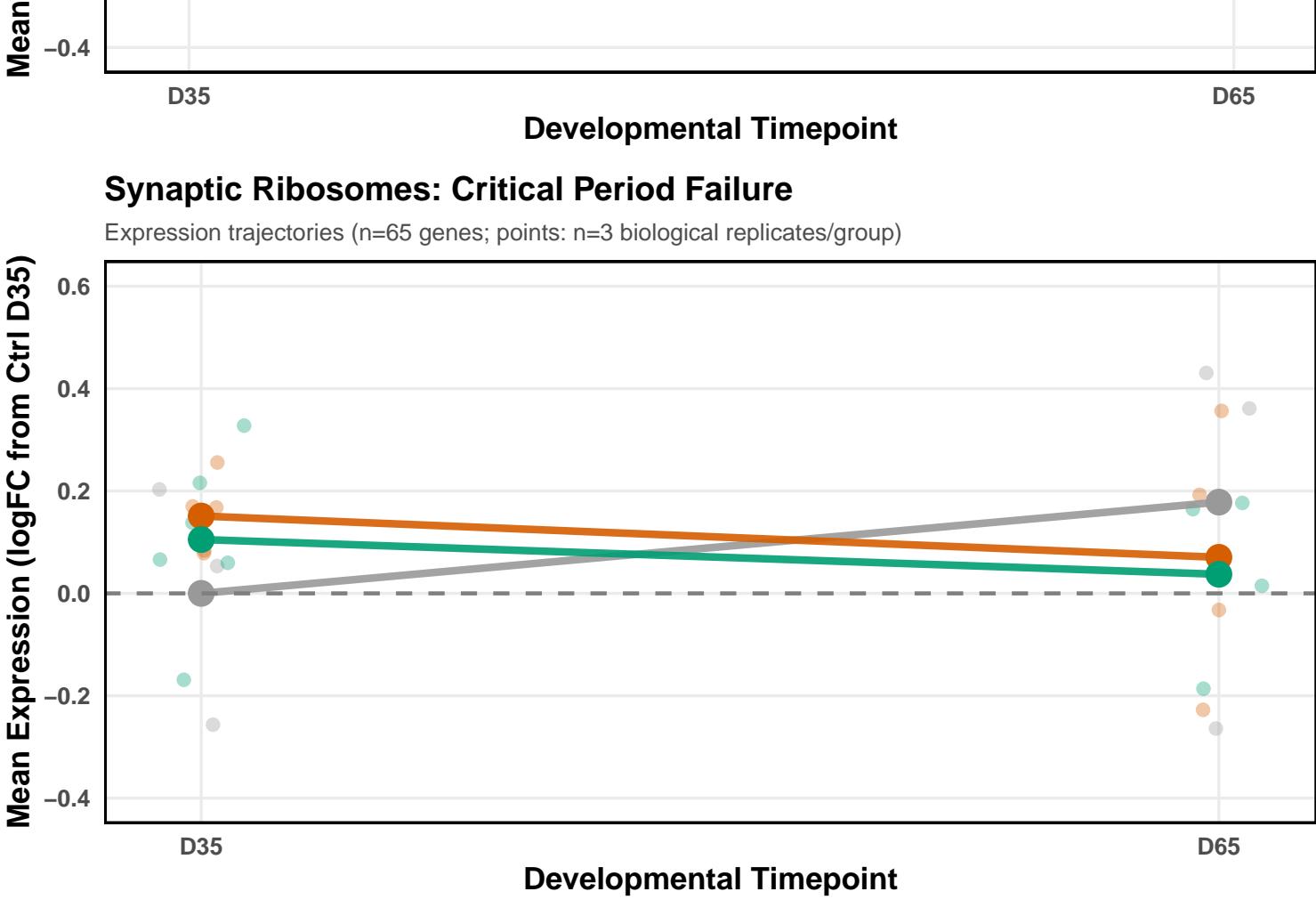
Ribosome Biogenesis: Compensatory Upregulation

Expression trajectories (n=158 genes; points: n=3 biological replicates/group)



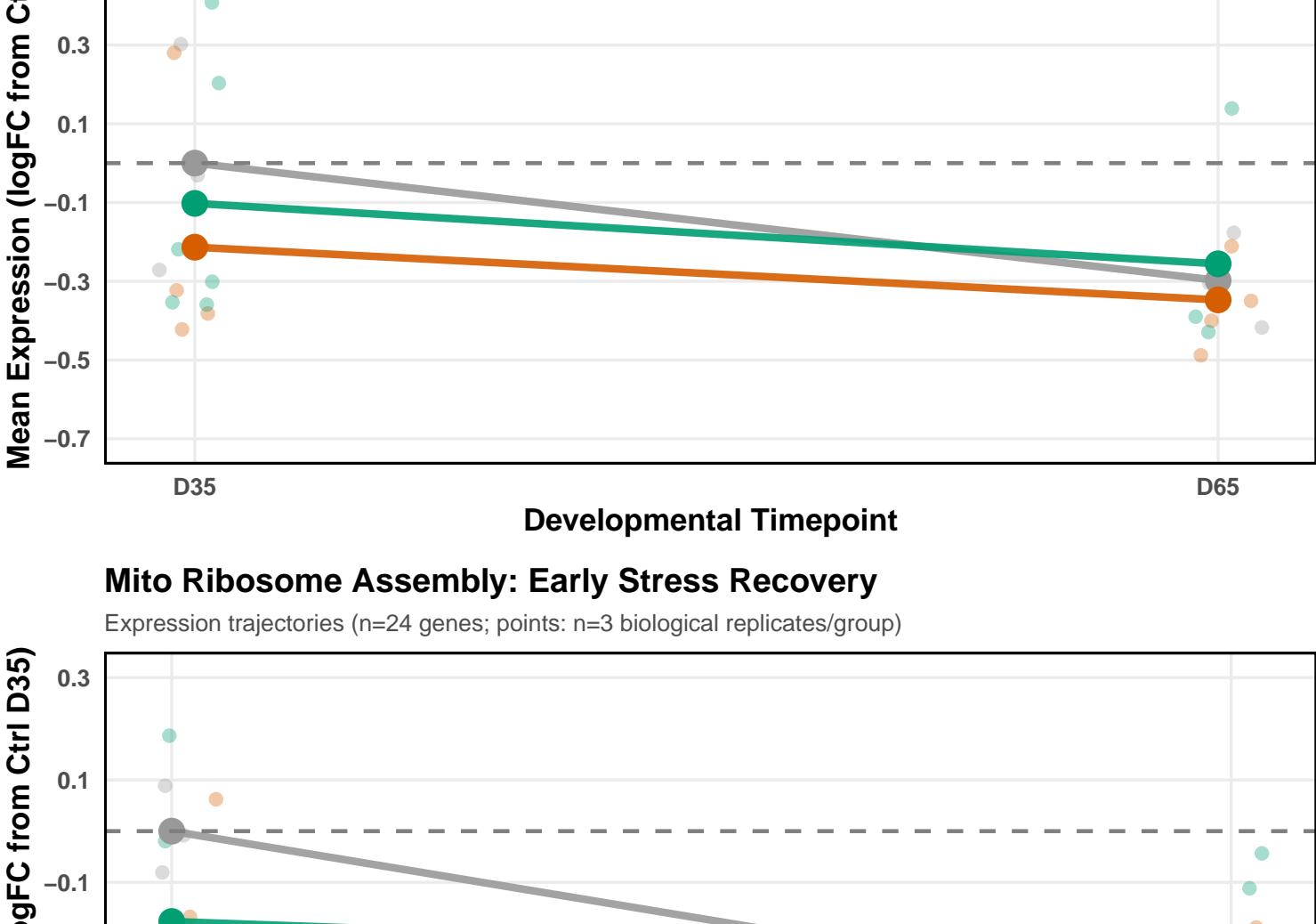
Cytoplasmic Translation: Functional Failure

Expression trajectories (n=76 genes; points: n=3 biological replicates/group)



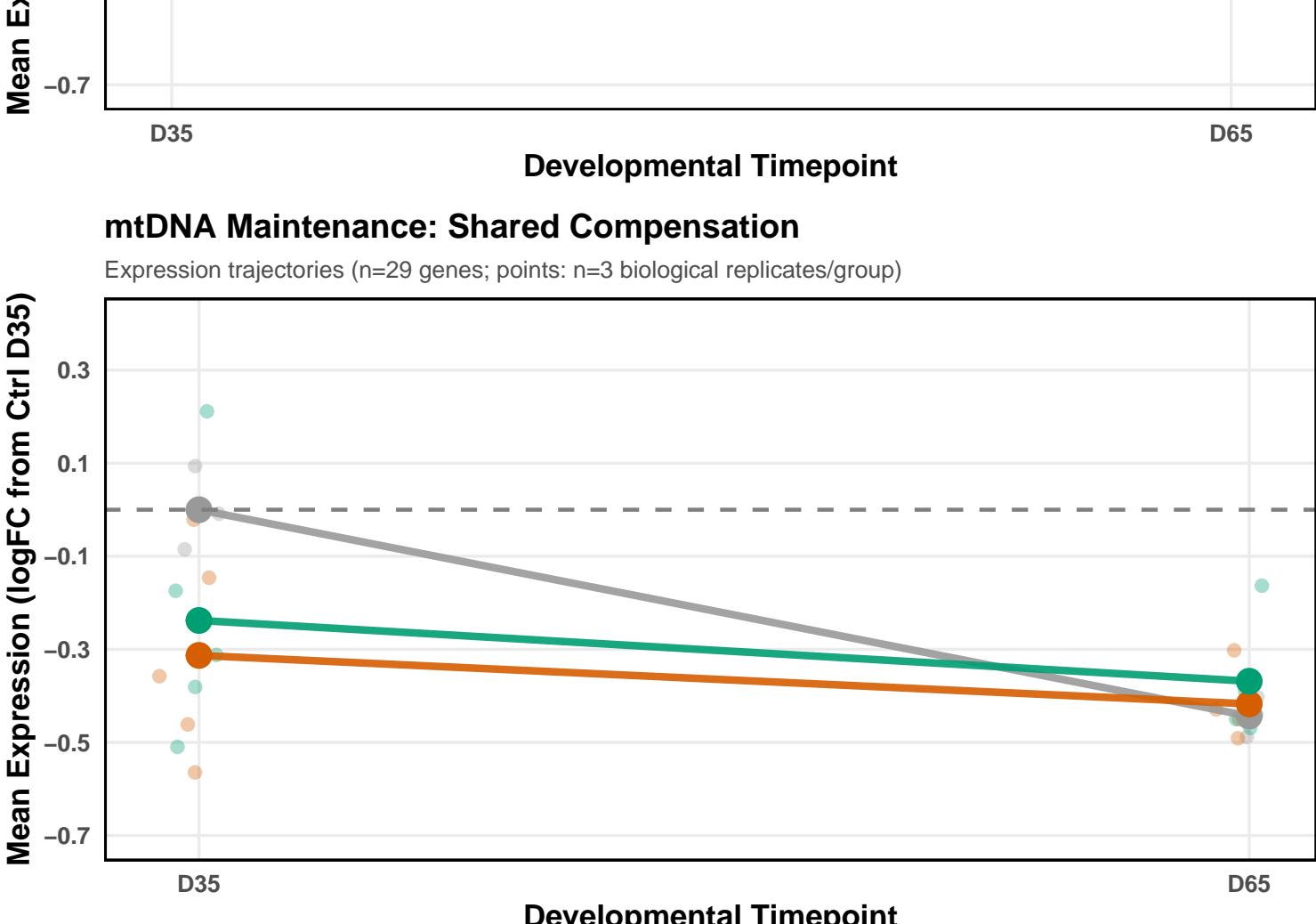
Synaptic Ribosomes: Critical Period Failure

Expression trajectories (n=65 genes; points: n=3 biological replicates/group)



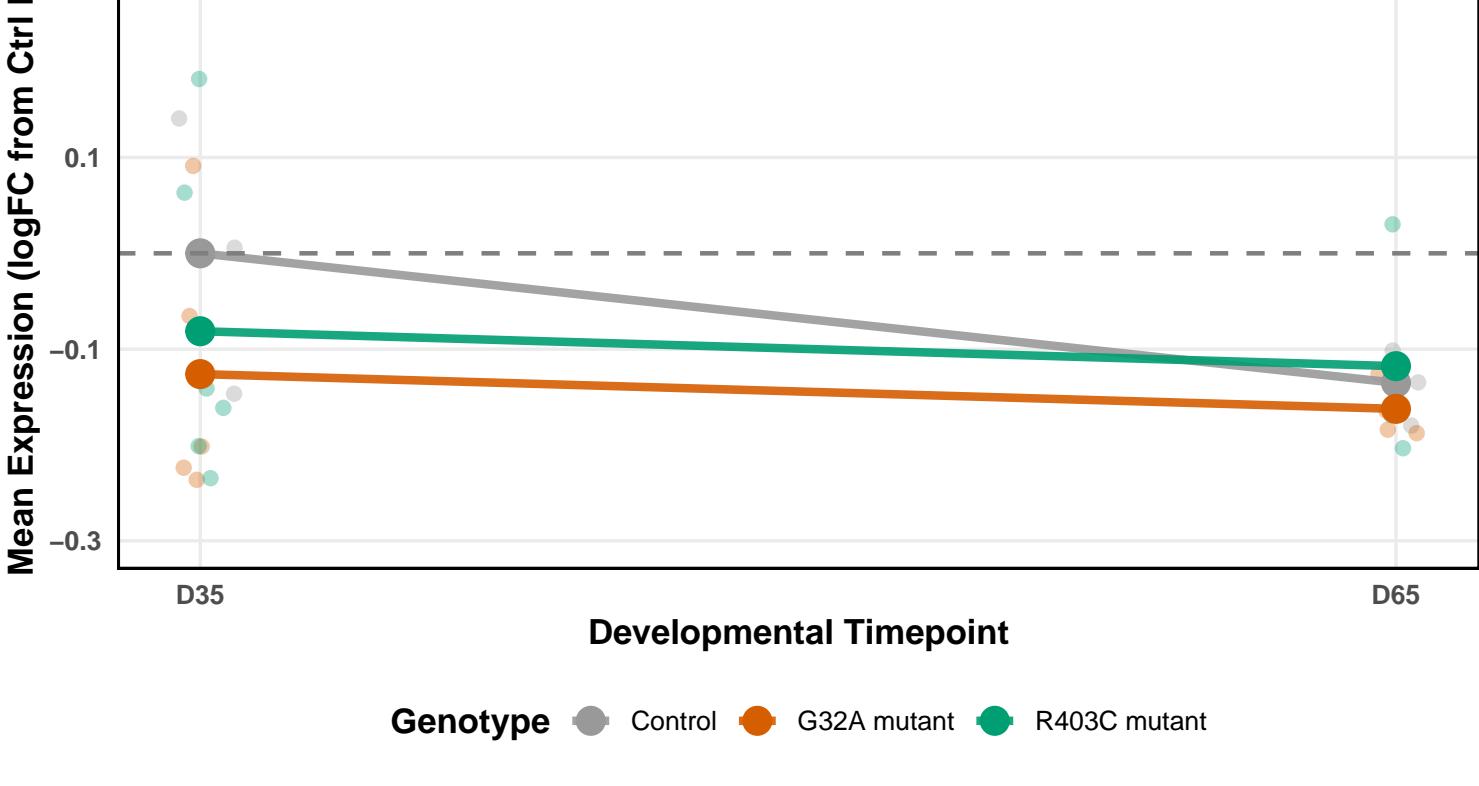
Mitochondrial Ribosome: Compensation Response

Expression trajectories (n=77 genes; points: n=3 biological replicates/group)



Mito Ribosome Assembly: Early Stress Recovery

Expression trajectories (n=24 genes; points: n=3 biological replicates/group)



Genotype ● Control ● G32A mutant ● R403C mutant