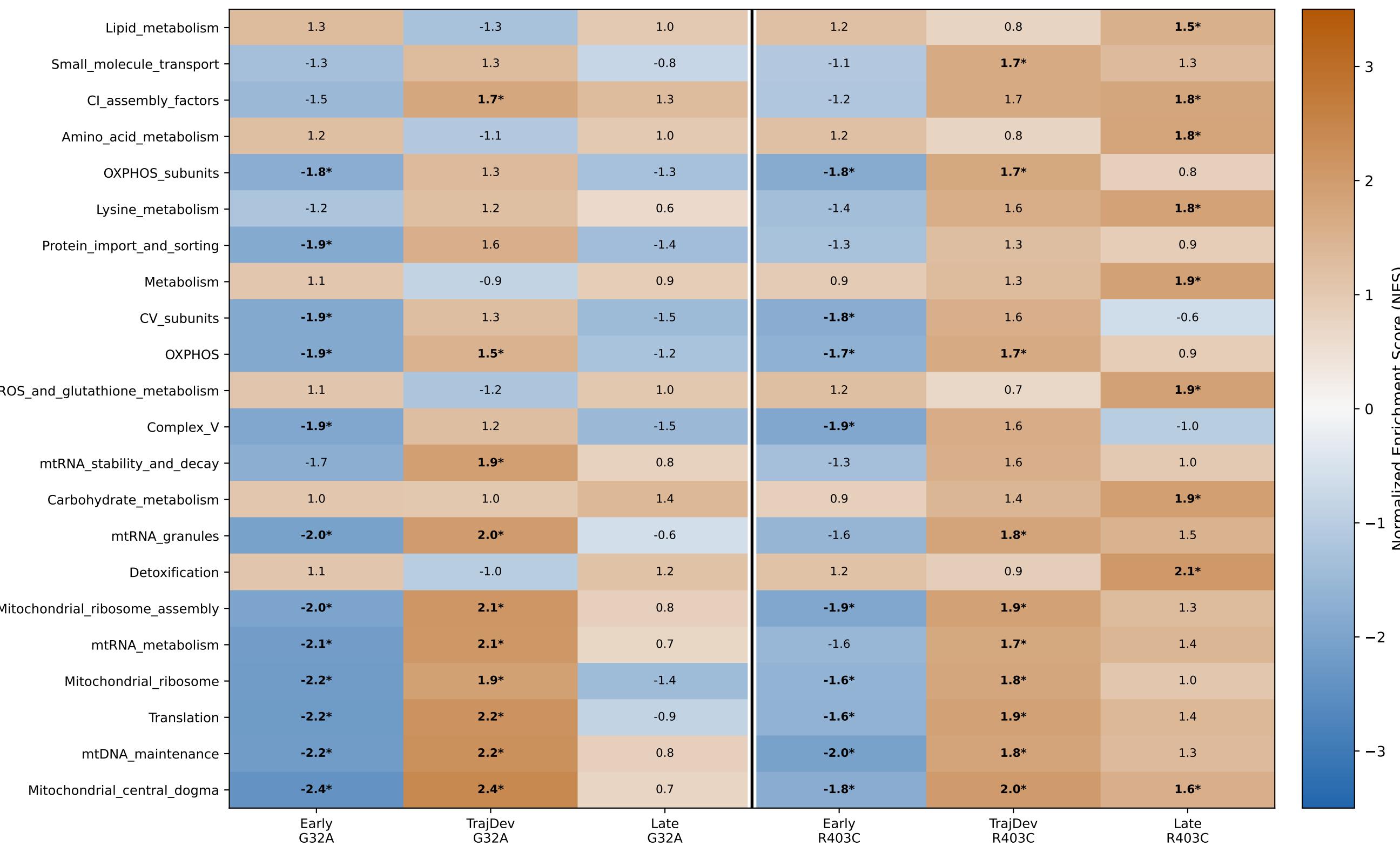


**MitoCarta Pathway Trajectories**  
**G32A and R403C may show different trajectory patterns**

**MitoCarta Mitochondrial Pathways**  
**All pathways with  $\geq 1$  significant contrast (n=22)**



Bold\* = Significant ( $p\text{adj} < 0.05$ ) | Normal = Not significant  
 Note: Each mutation follows its own trajectory - no forced classification