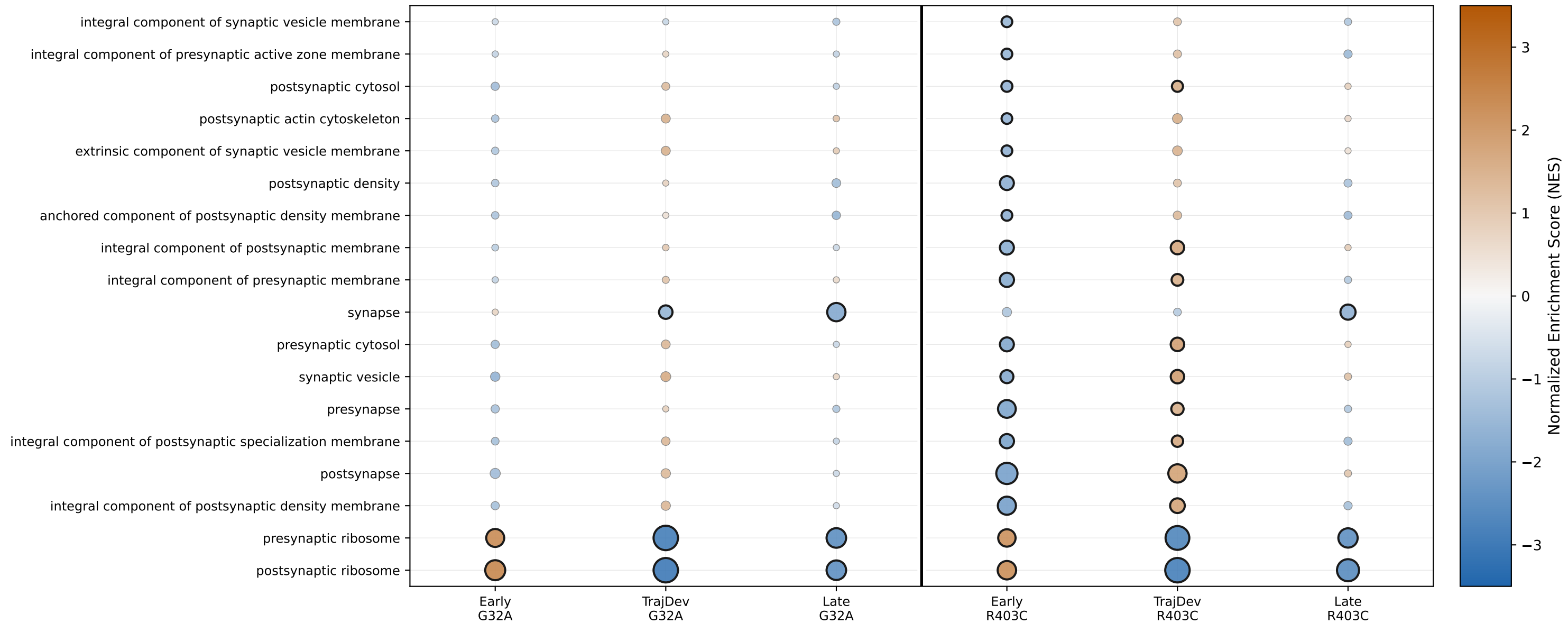


SynGO Synaptic Pathway Trajectories (Dotplot)  
G32A and R403C may show different trajectory patterns

SynGO Synaptic Pathways  
All pathways with  $\geq 1$  significant contrast (n=18)



Dot Size Legend: Larger dots = more significant (lower padj)

**padj = 0.001**

*(highly sig)*

**padj = 0.01**

*(very sig)*

**padj = 0.05**

*(threshold)*

**padj = 0.1**

*(not sig)*

Black edge = padj < 0.05 (significant) | Gray edge = padj  $\geq$  0.05 (not significant)

Note: Each mutation follows its own trajectory - no forced classification