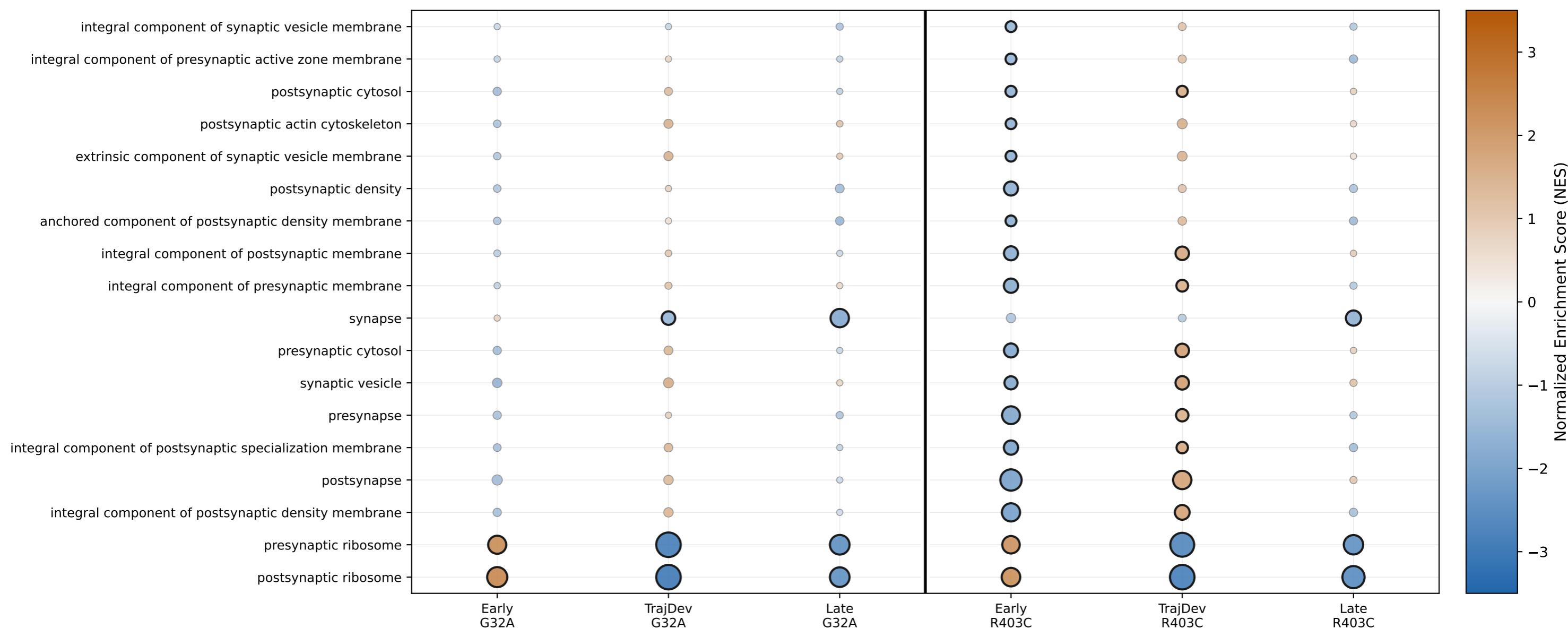


**SynGO Synaptic Pathway Trajectories (Dotplot)**  
**G32A and R403C may show different trajectory patterns**

**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