

Table S8.

	<i>This work</i>	<i>Previous work by Liu et. al.</i>
Perturbed subnetwork	<i>De novo</i> discovery from human interactome	Discovery from pre-built network for AD
Algorithm	Noise reduction (BUM model) and exact solution of MSS	Differential expression and co-expression
Evidence of biological relevance	Disease progression Genetic risk and aging Amyloid/tangle constituents Robust and specific	Not provided
Specific state of neuron	aging “healthy” neurons in AD late-stage AD	Non-discriminative pathological condition
Data mining	Efforts on the manual integration and synthesis of literatures and knowledge	Focused on the explanation of active pathways underlying KEGG AD genes
Disease mechanism	adaptation strategy formation of amyloid and NFT	formation of amyloid and NFT.