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1. Search for the following genes in IPA and add them to a pathway: A2M, APOE, APP, HFE, HFE2, LRP1, PSEN1, PSEN2, SLC40A1, TF, TRF2.

* What are the connections between these molecules that occur in nervous system tissues and CNS cell lines (with the relaxed filter)?
* Select a gene that does not have any molecular connections. What are the first 5 genes that are directly upstream of this molecule?
* What Functions are all the molecules on this pathway involved in?
* Are these molecules involved in any Canonical Pathways?

1. Upload the ALZ dataset into IPA.

* What is the top function associated with your dataset?
* What molecules are involved in this function?
* What is the top Canonical Pathway in your analysis?
* What are the functions of the top network in this analysis?