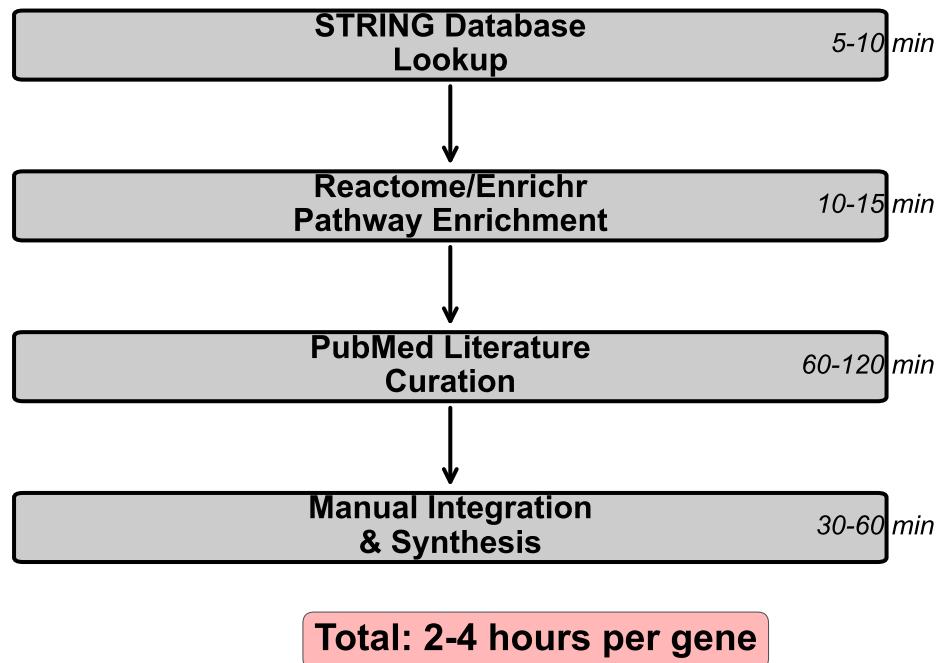
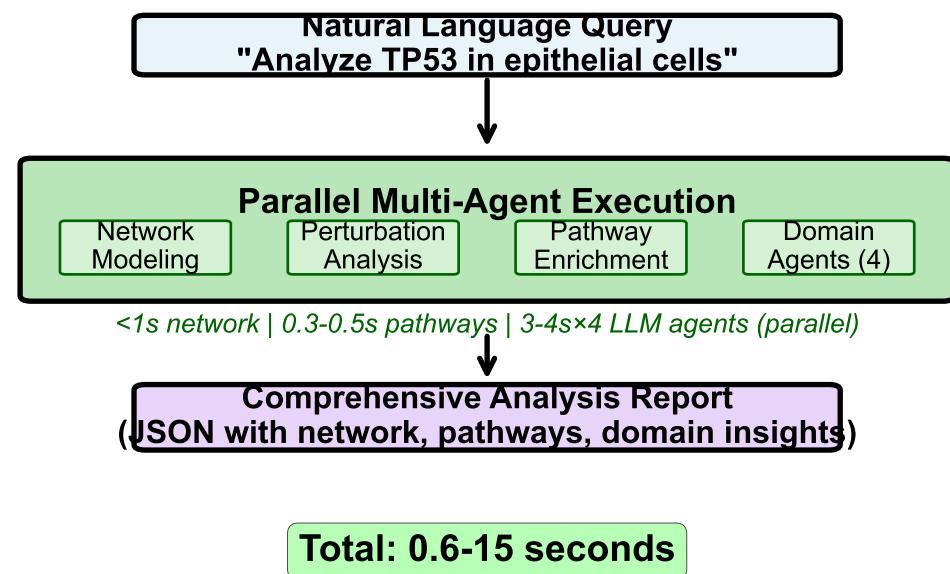


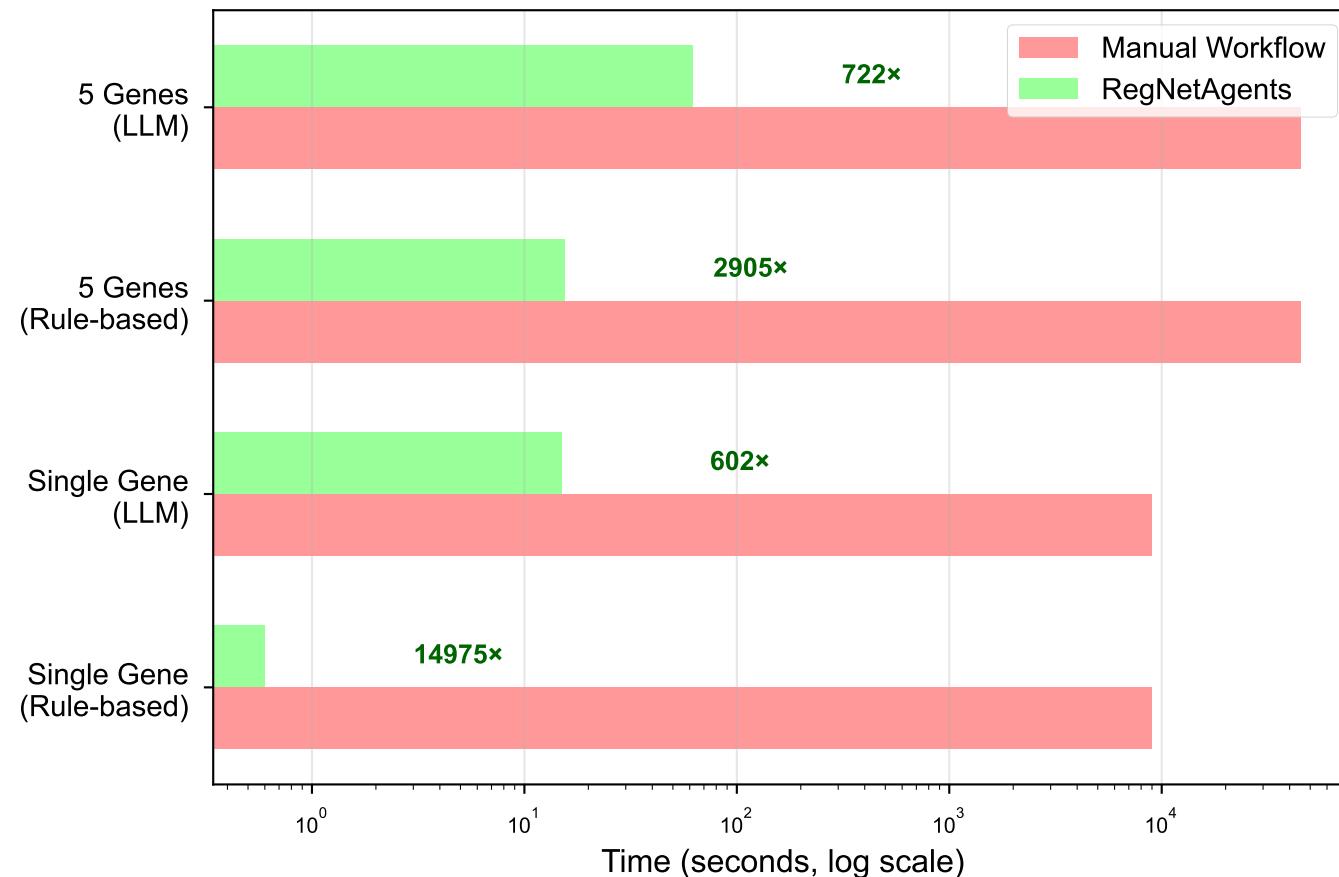
## A) Traditional Manual Workflow



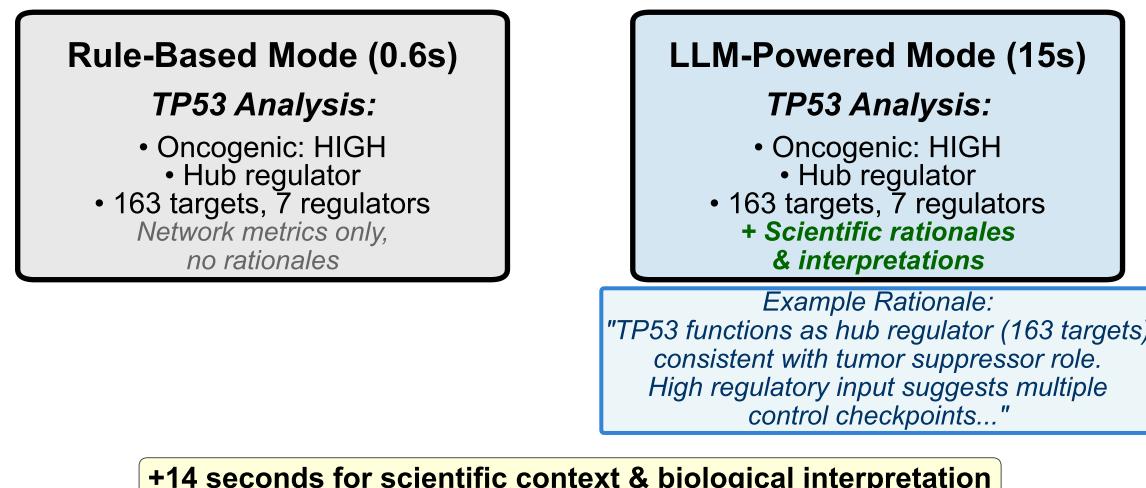
## B) RegNetAgents Automated Workflow



## C) Performance Comparison



## D) LLM-Powered Scientific Context



LLM agents integrate gene function data (NCBI/UniProt) with network topology  
Trade-off: Speed vs Scientific Context  
(System gracefully falls back to rule-based if LLM unavailable)