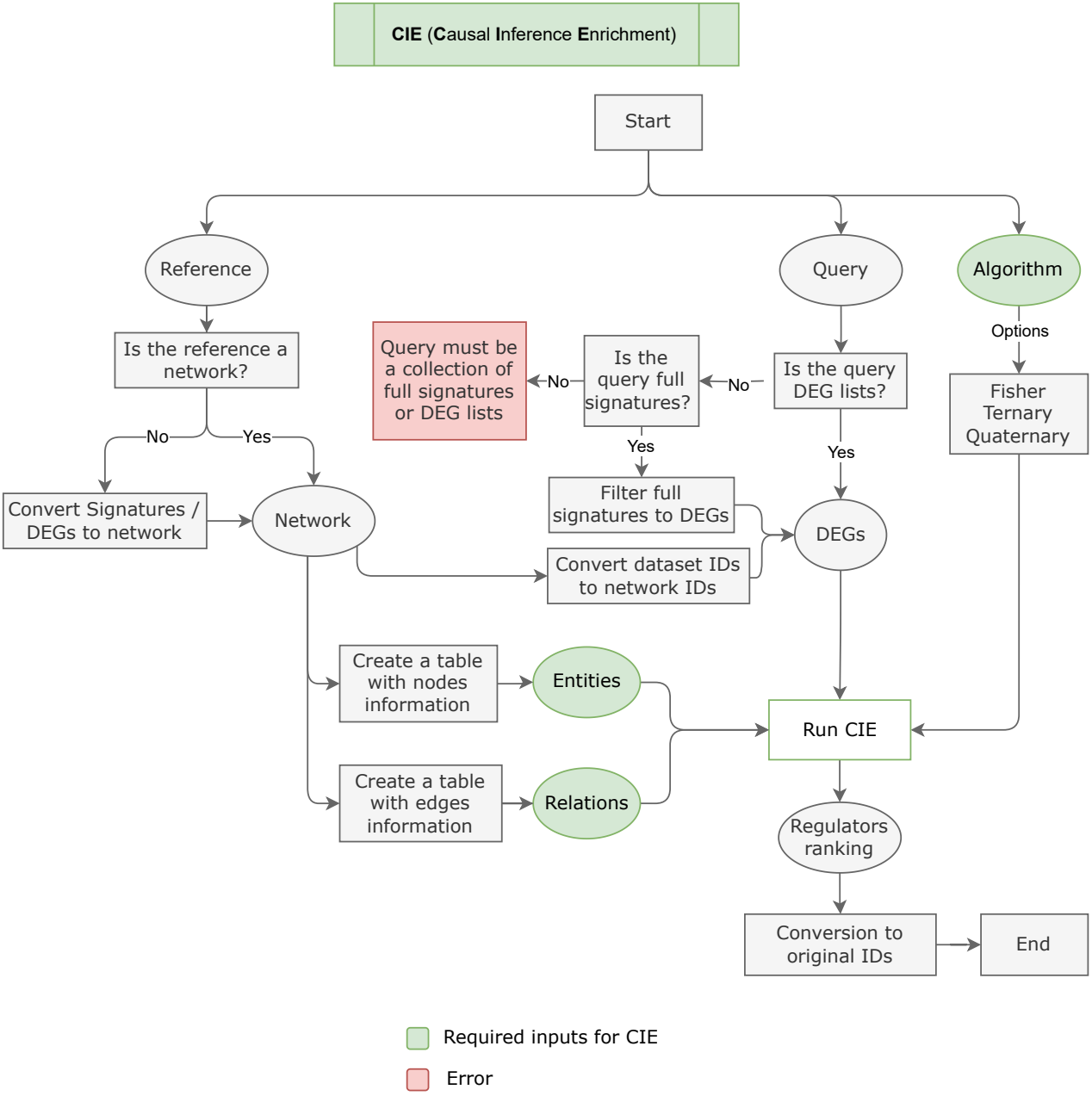
CIE (Causal Inference Enrichment)
Start
Reference
Query
Algorithm
Is the reference a network?
Is the query DEG lists?
Options
Fisher
Ternary
Quaternary
Query must be a collection of full signatures or DEG lists
Is the query full signatures?
No
No
Yes
Yes
No
Yes
Convert Signatures / DEGs to network
Network
Filter full signatures to DEGs
DEGs
Convert dataset IDs to network IDs
Create a table with nodes information
Entities
Run CIE
Create a table with edges information
Relations
Regulators ranking
Conversion to original IDs
End
Required inputs for CIE
Error