```
//CtGaD ALL Paths
MATCH p0 = (:Compound)-[:TARGETS]-(:Gene )-[:ASSOCIATES]-(:Disease)
RETURN p0 LIMIT 25
//CurGiGaD Path
MATCH p0 = (:Compound )-[:UPREGULATES]-(:Gene )-[:INTERACTS]-(:Gene )-
[:ASSOCIATES]-(:Disease {d id:"DOID:5408"})
RETURN p0
//CtGaD Path
MATCH p0 = (:Compound {c id:"DB00246"})-[:TARGETS]-(:Gene )-[:ASSOCIATES]-
(:Disease {d_id:"DOID:10652"})
RETURN p0
//CcSEtD Path
MATCH p0 = (:Compound {c_id:"DB00246"})-[:CAUSES]-(:SideEffect)-[:CAUSES]-
(:Compound)-[:TREATS]-(:Disease {d_id:"DOID:10652"})
RETURN p0
// Show meta-graph
CALL db.schema()
//CtGaD DWPC Degree's Path
MATCH p0 = (n0:Compound\{c_id:"DB00246"\})-[:TARGETS]-(n1:Gene)-
[:ASSOCIATES]-(n2:Disease{d_id:"DOID:10652"})
WITH
n0 AS source,
n1 AS intermediate,
n2 AS target,
p0,
size((n0)-[:TARGETS]-()),
size(()-[:TARGETS]-(n1)),
size((n1)-[:ASSOCIATES]-()),
size(()-[:ASSOCIATES]-(n2))
] AS degrees
RETURN degrees,
source.c_id AS compound_id,
```

source.name AS compound_name, target.d_id AS disease_id, target.name AS disease_name, intermediate.name AS gene_name, (reduce(pdp = 1.0, d in degreesl pdp * d ^ -0.5)) AS PDP
