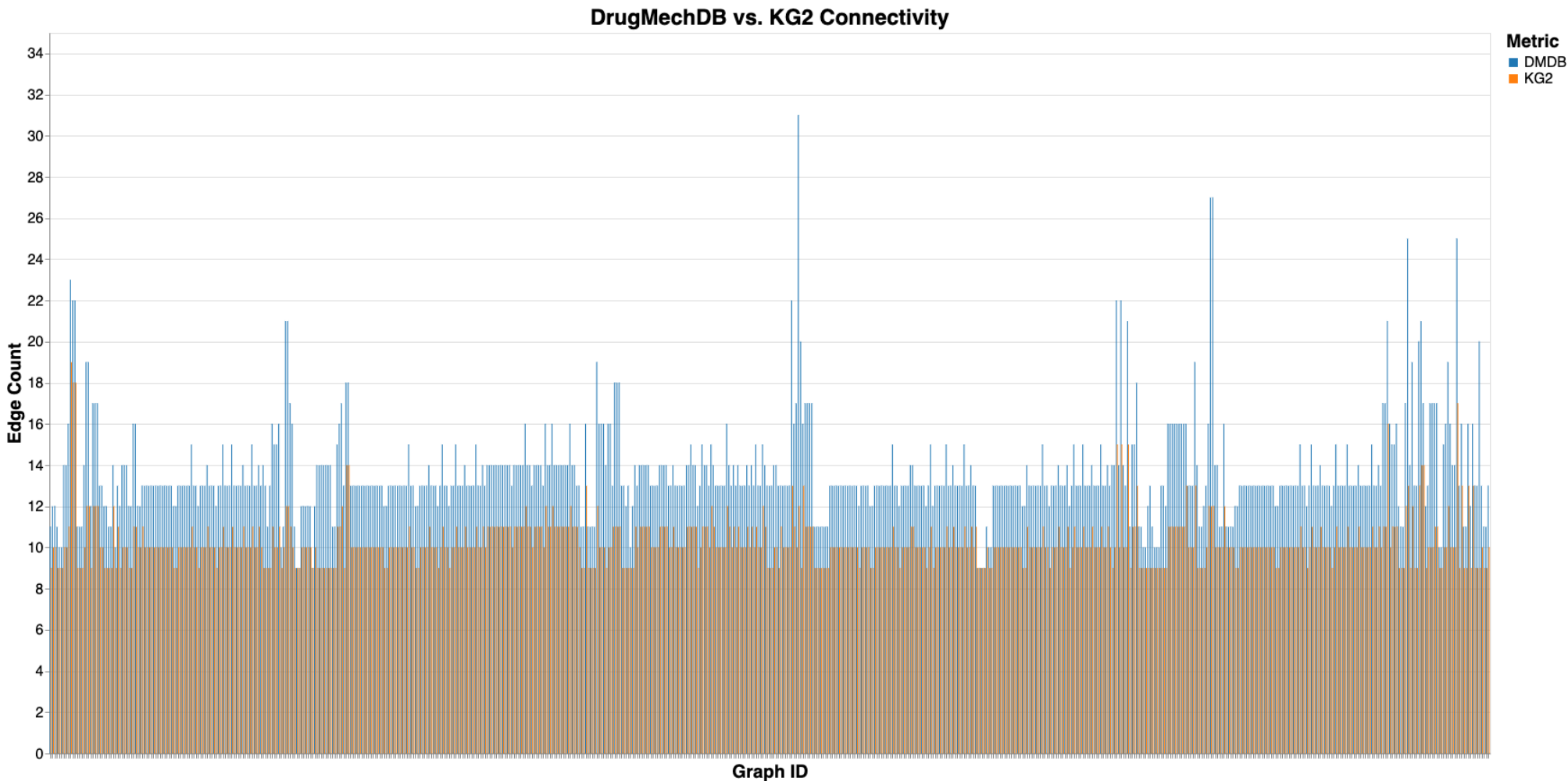
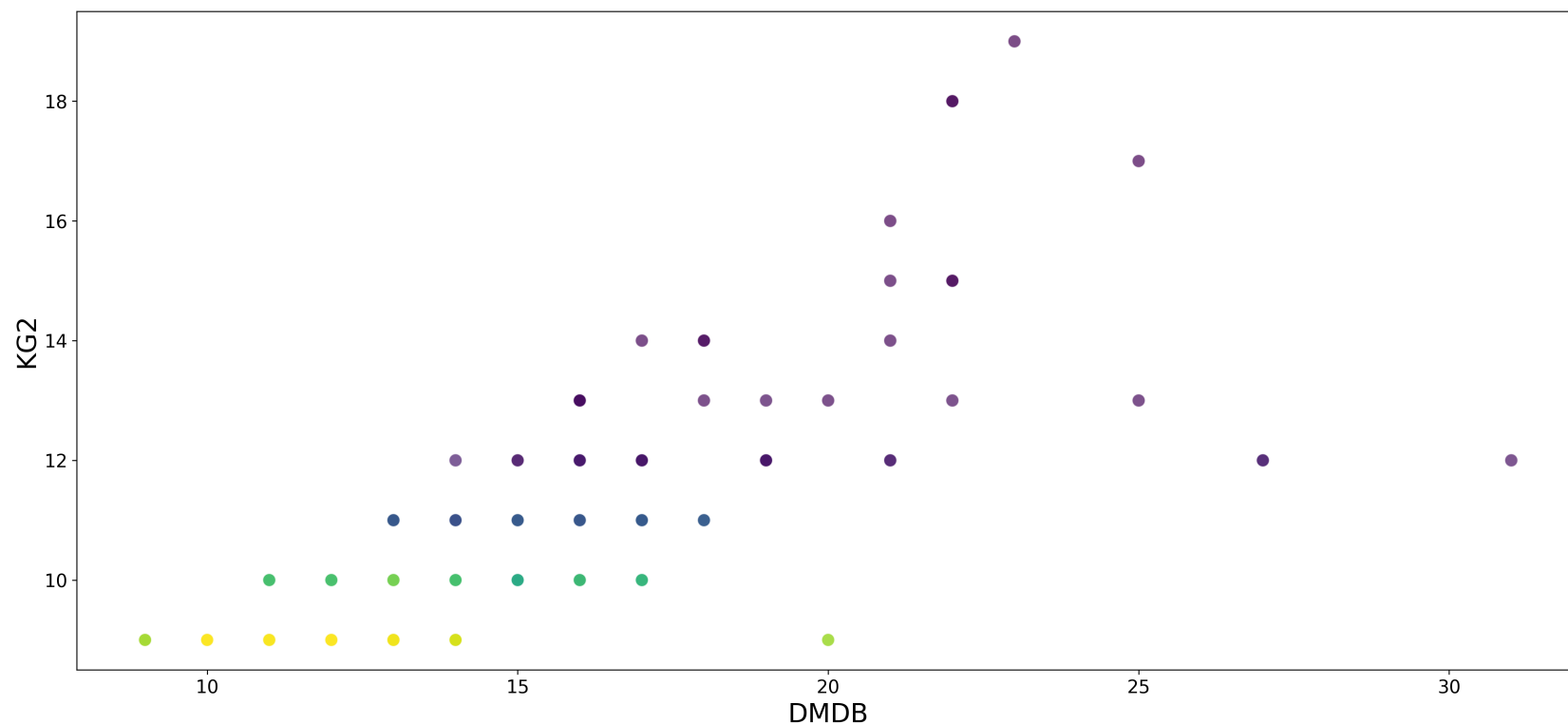


# k-hop Spanning Tree Result



# k-hop Spanning Tree Result

Scatter Plot of DrugMechDB vs. KG2



## Note:

The axes represent edge count.

The dots represent the individual graph ID.

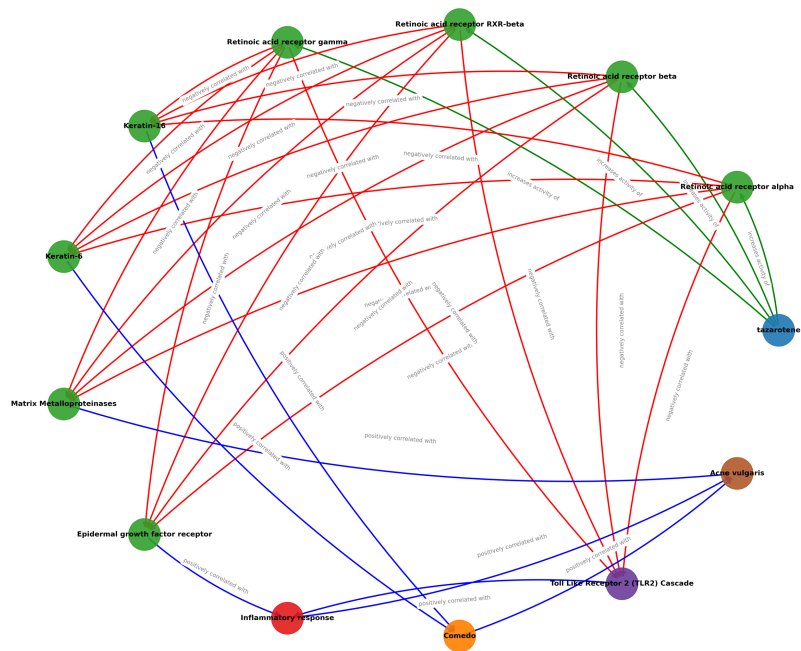
For example a DrugMechDB graph has 10 edges, however for the same graph ID KG2 has far less edges connecting the nodes (< 10 edges)

# k-hop Spanning Tree Case Example

Graph DB00799\_MESH\_D000152\_1  
13 nodes, 31 edges

DrugMechDB

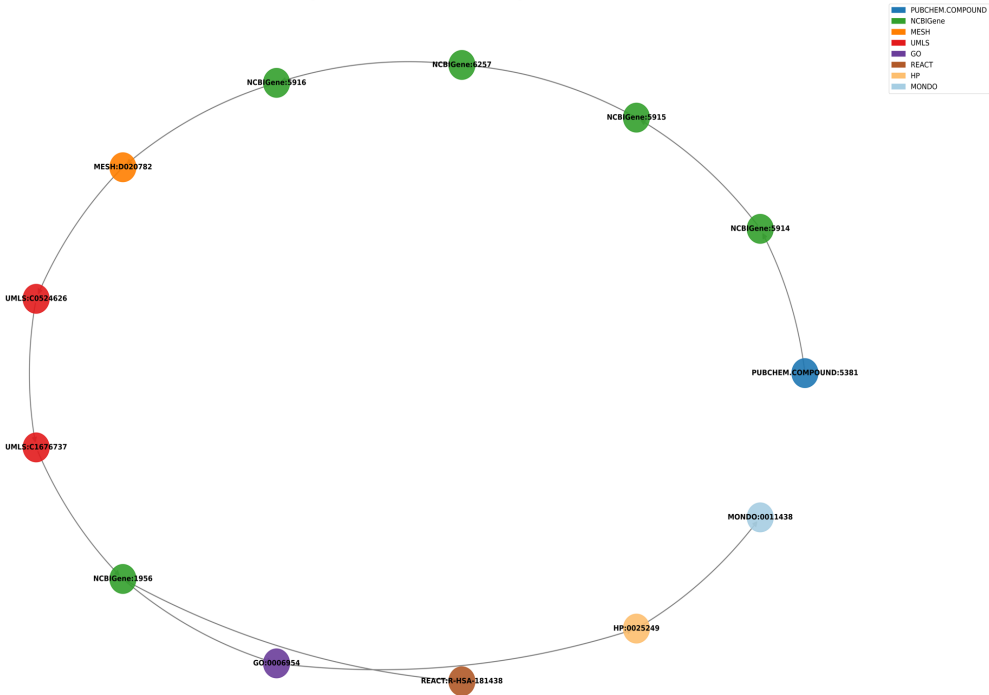
Circular Layout Network Visualization of Tazarotene and Acne Vulgaris



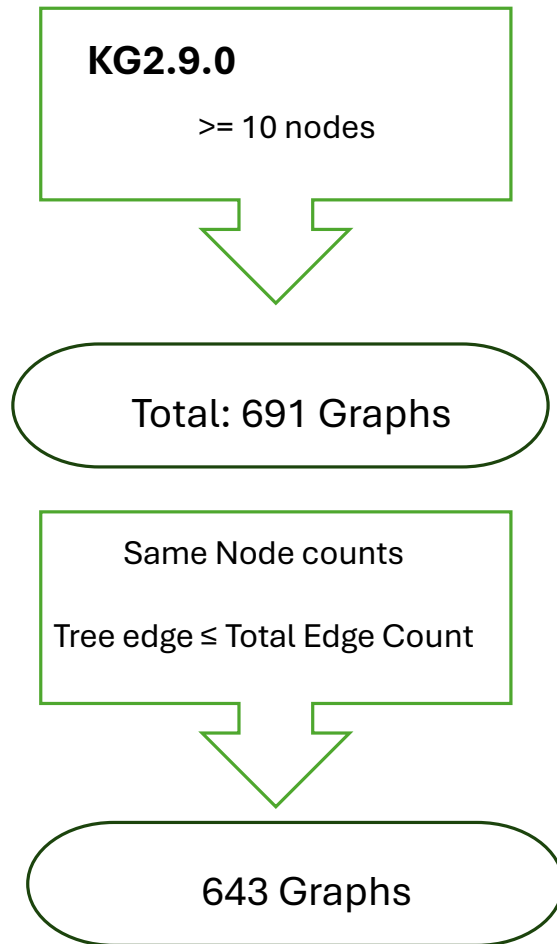
Graph DB00799\_MESH\_D000152\_1  
13 nodes, 12 edges

KG2

Circular Layout Network Visualization with Larger Node IDs



# k-hop Spanning Tree Result



## Conclusion:

KG2 is connected relatively shorter than DMDB