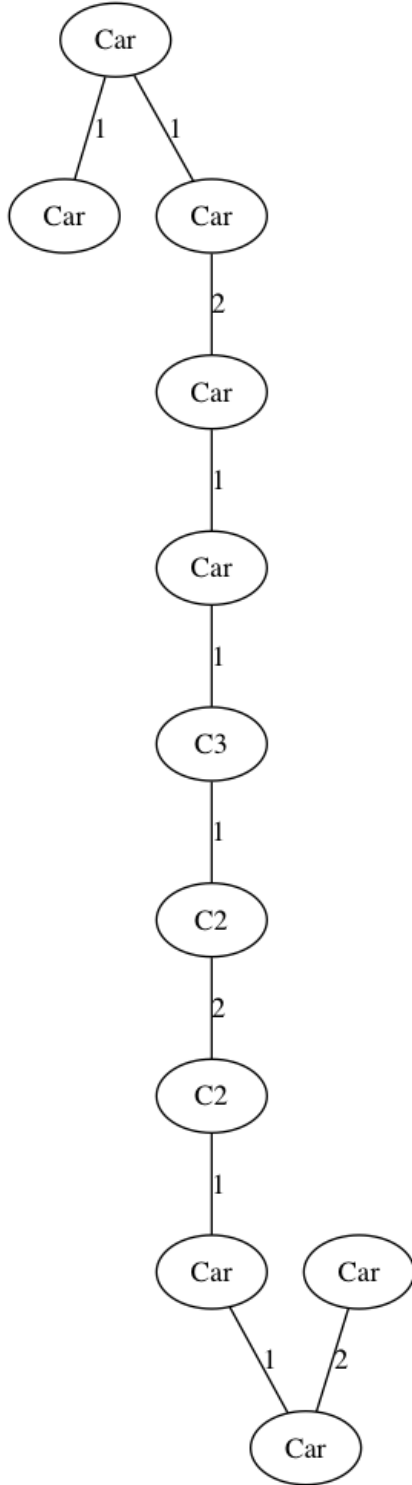
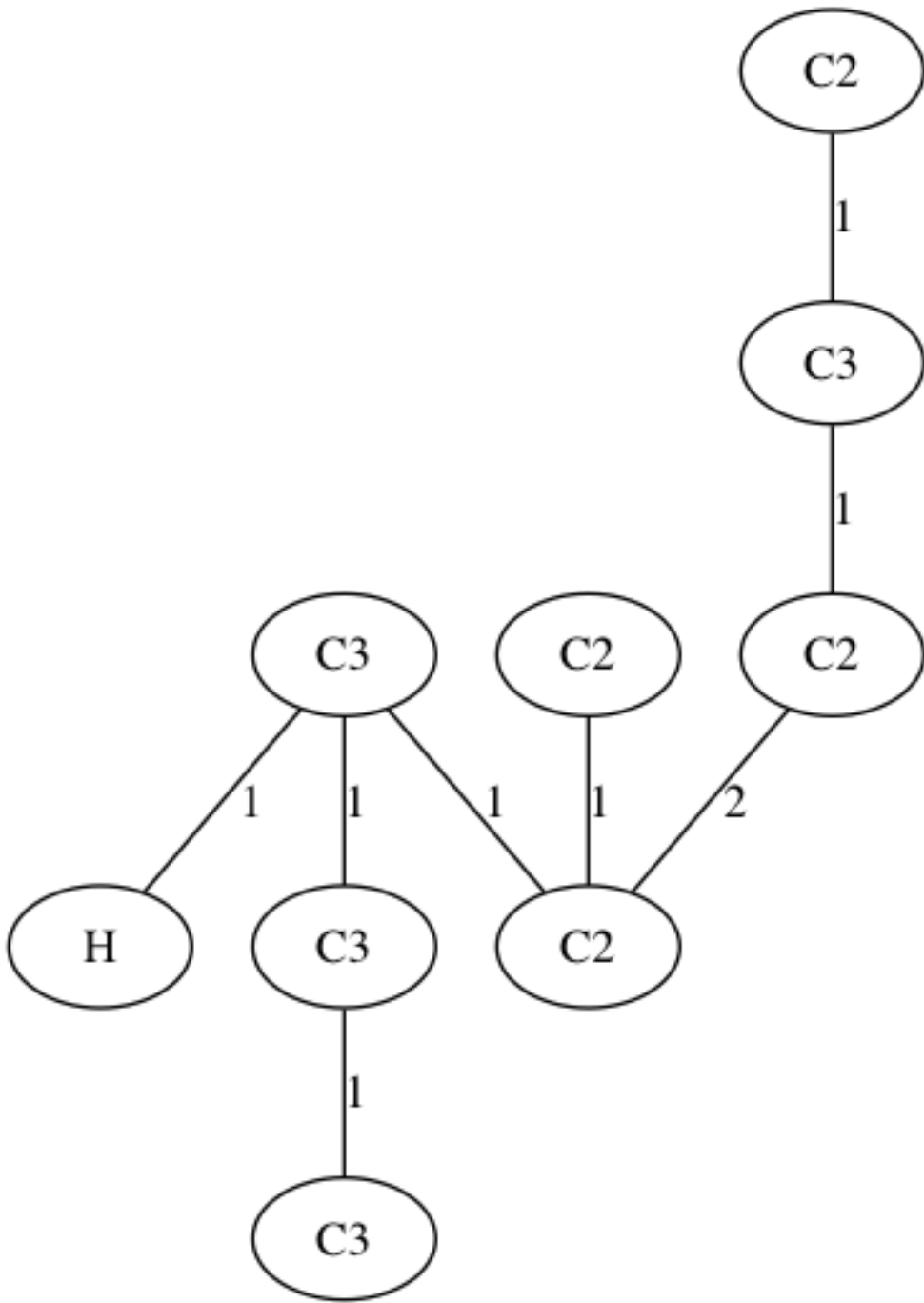


Supplementary Material: Accepted Fragments for 40% False Discovery Rate

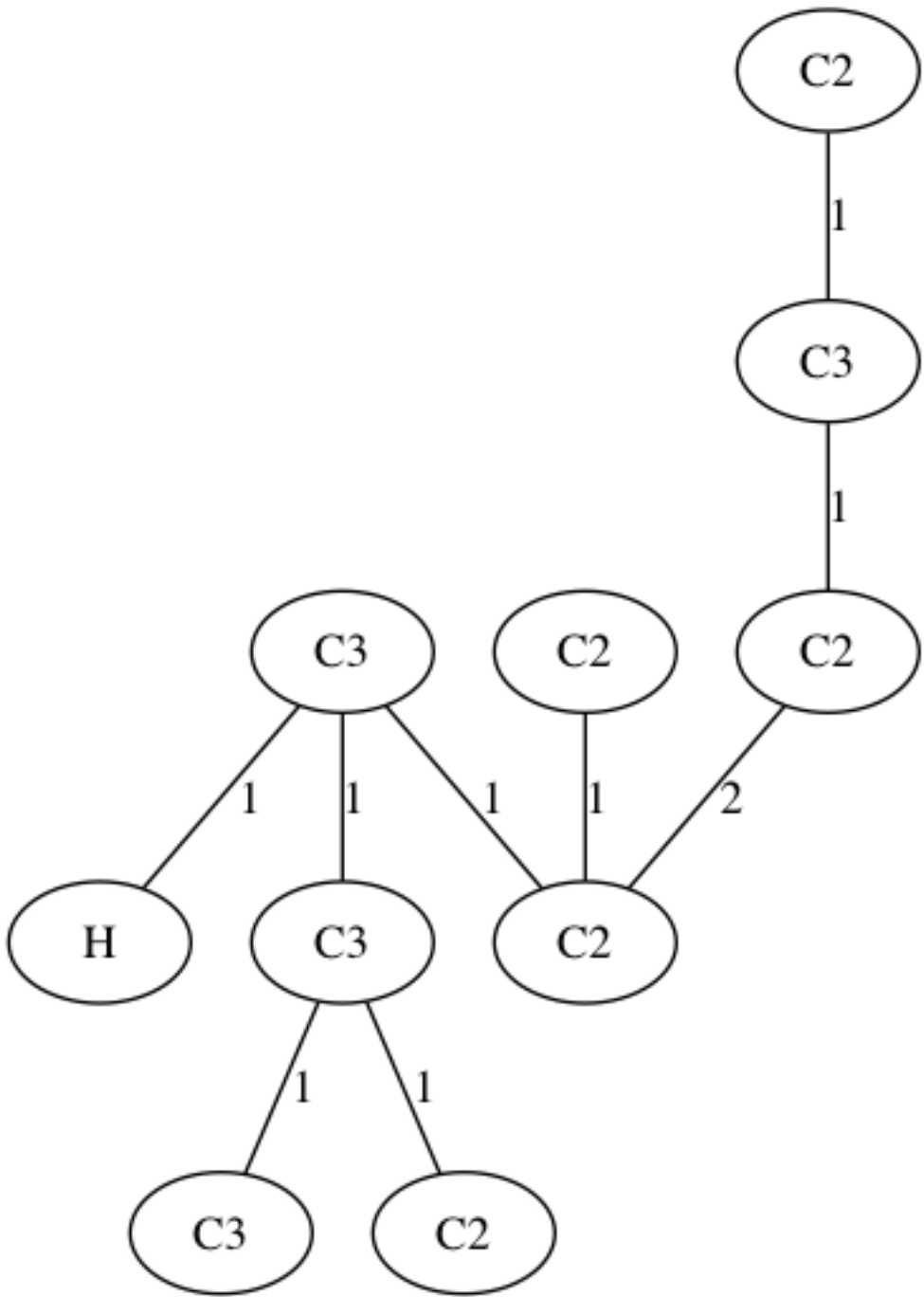
Rank	Mann Whitney U Test p-value	Behavior Descriptor
1	0.029129495	3-Strain at buckling * Stiffness at zero strain (minimize, Linker in Compression)



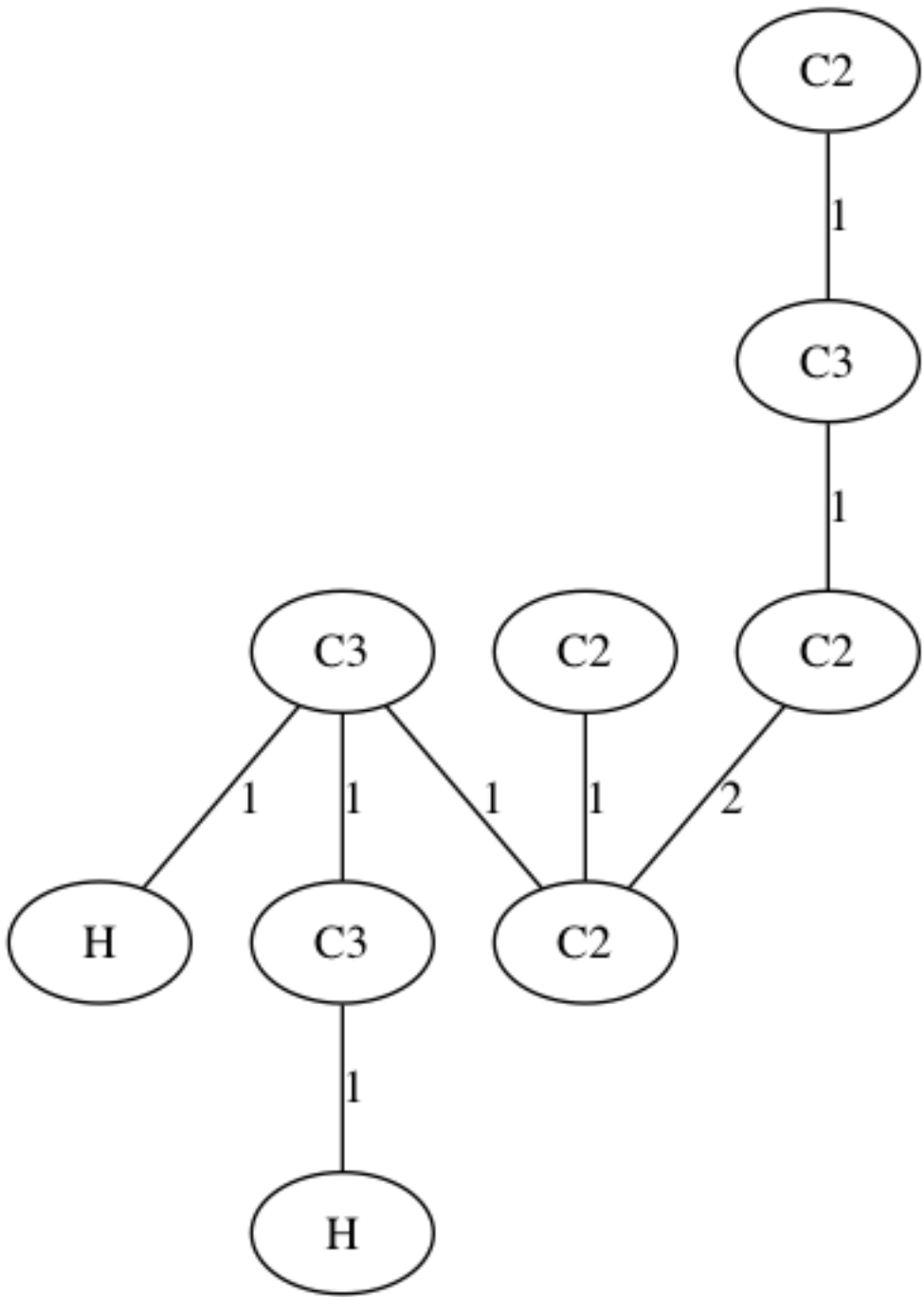
Rank	Mann Whitney U Test p-value	Behavior Descriptor
2	0.032446548	12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)



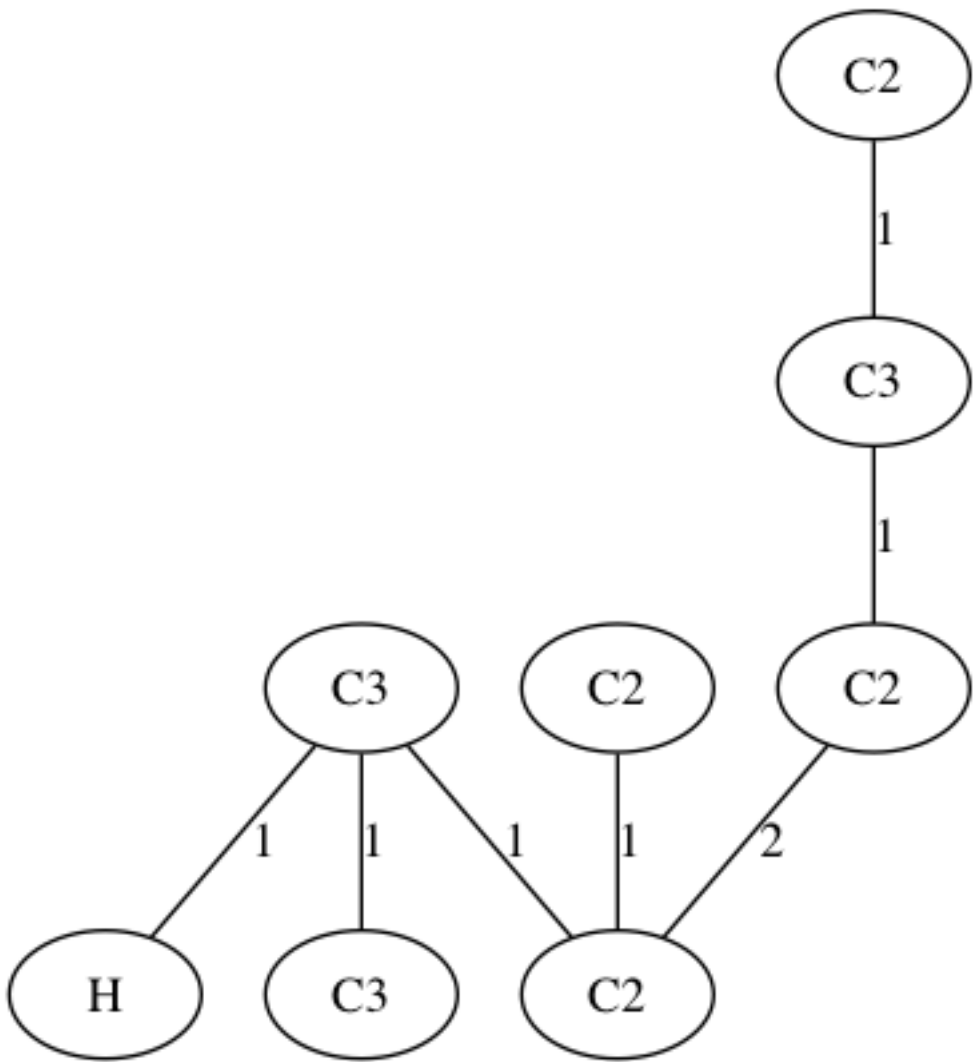
Rank	Mann Whitney U Test p-value	Behavior Descriptor
3	0.032446548	12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)



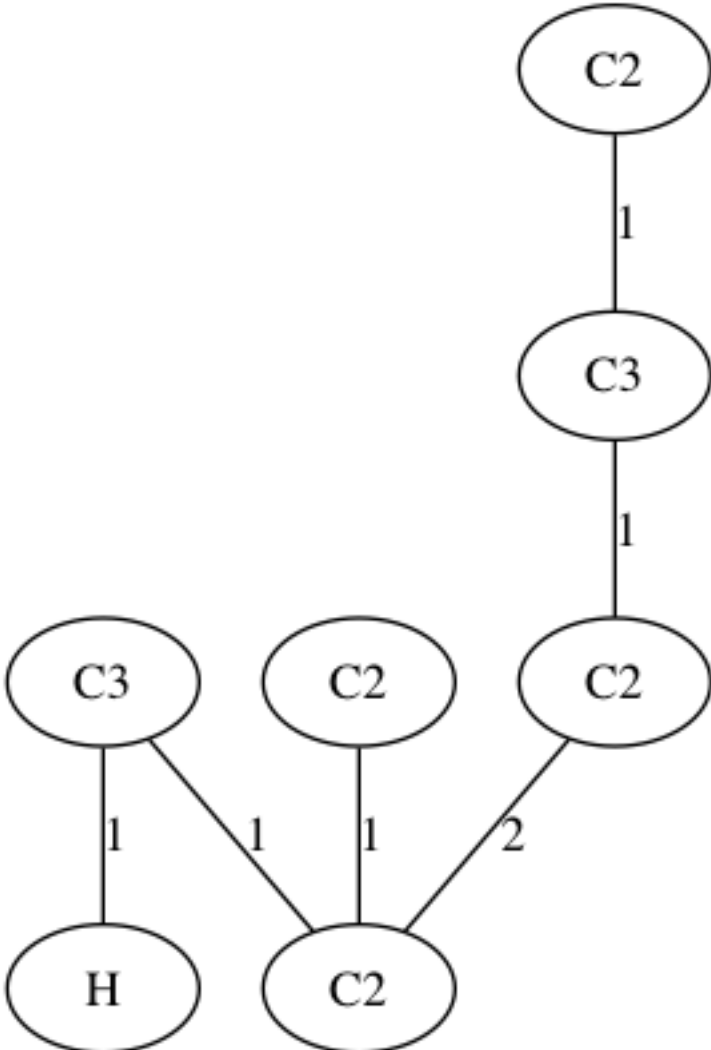
Rank	Mann Whitney U Test p-value	Behavior Descriptor
4	0.032446548	12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)



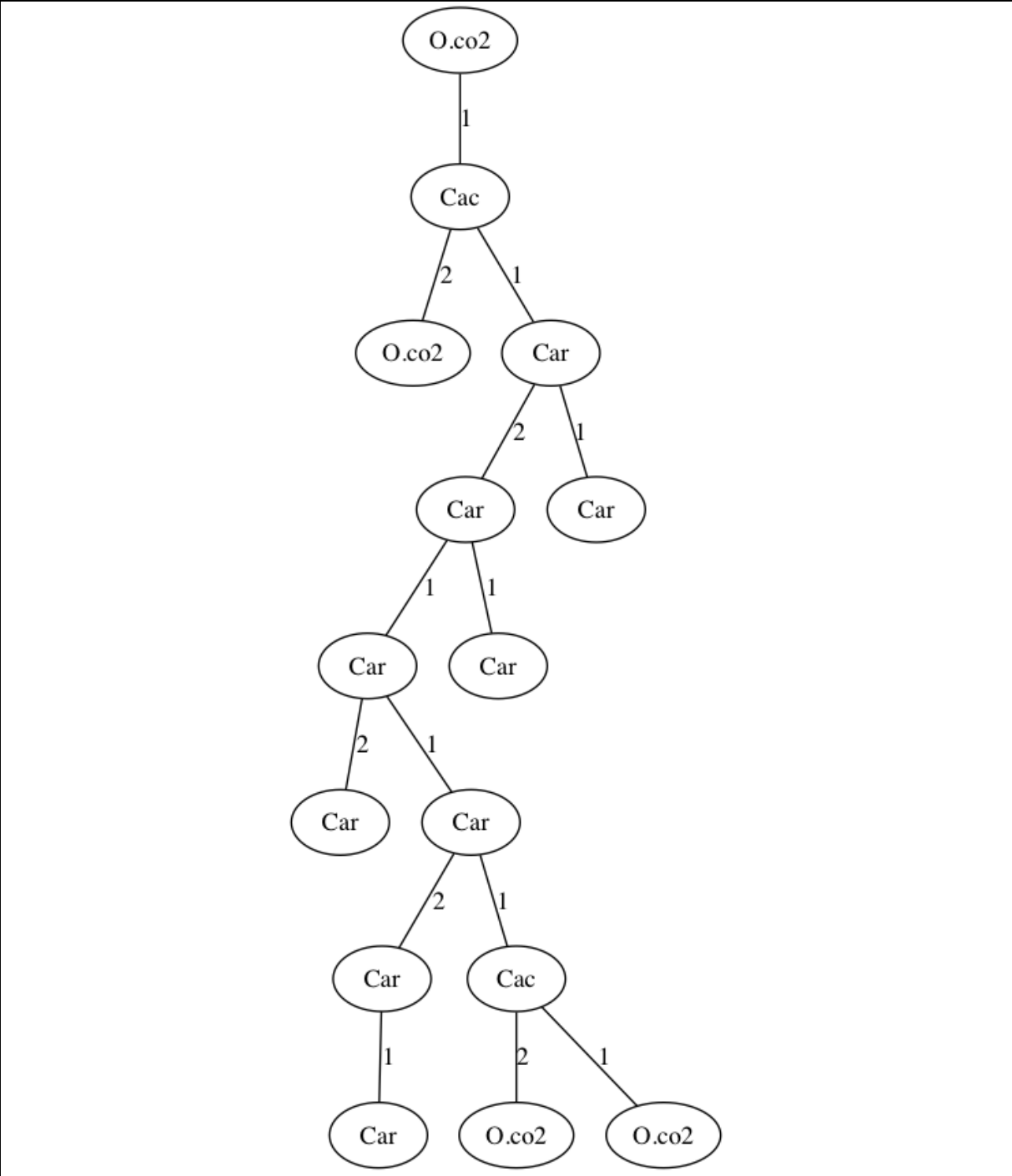
Rank	Mann Whitney U Test p-value	Behavior Descriptor
5	0.032446548	12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)



Rank	Mann Whitney U Test p-value	Behavior Descriptor
6	0.032446548	12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)

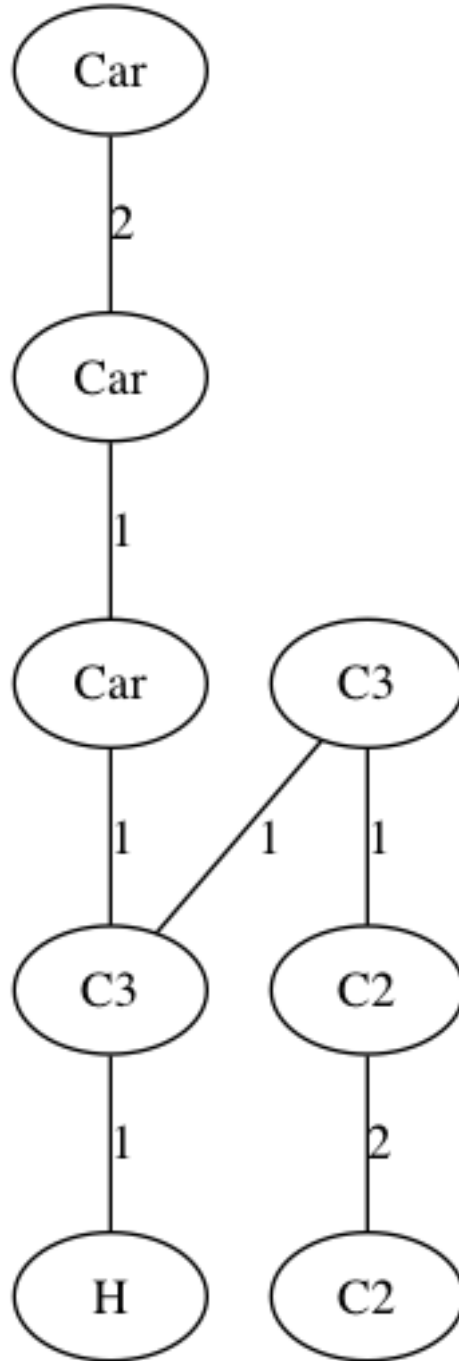


Rank	Mann Whitney U Test p-value	Behavior Descriptor
7	0.03259291	11-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Tension)

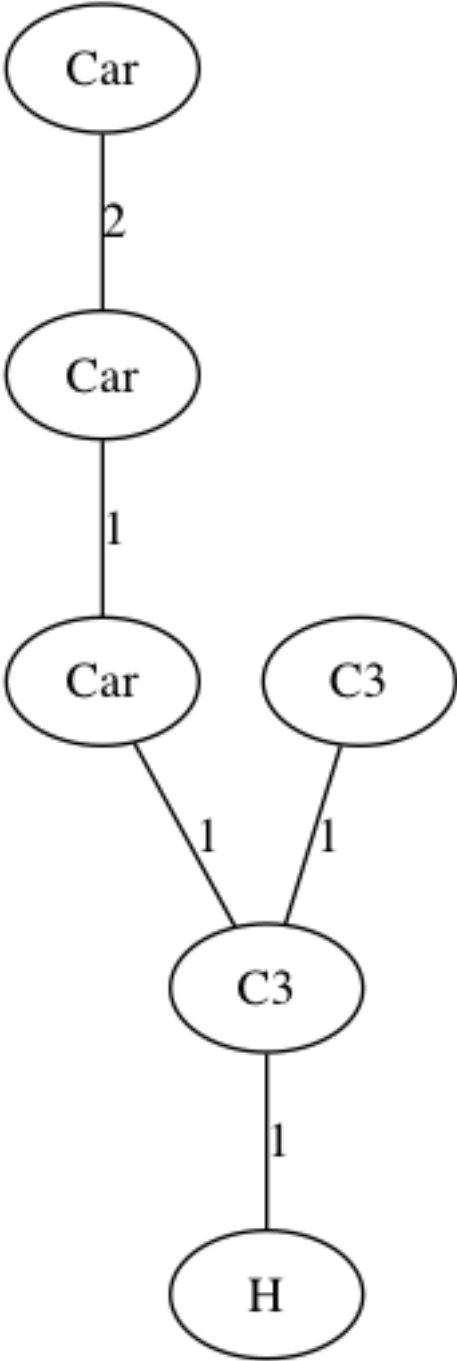




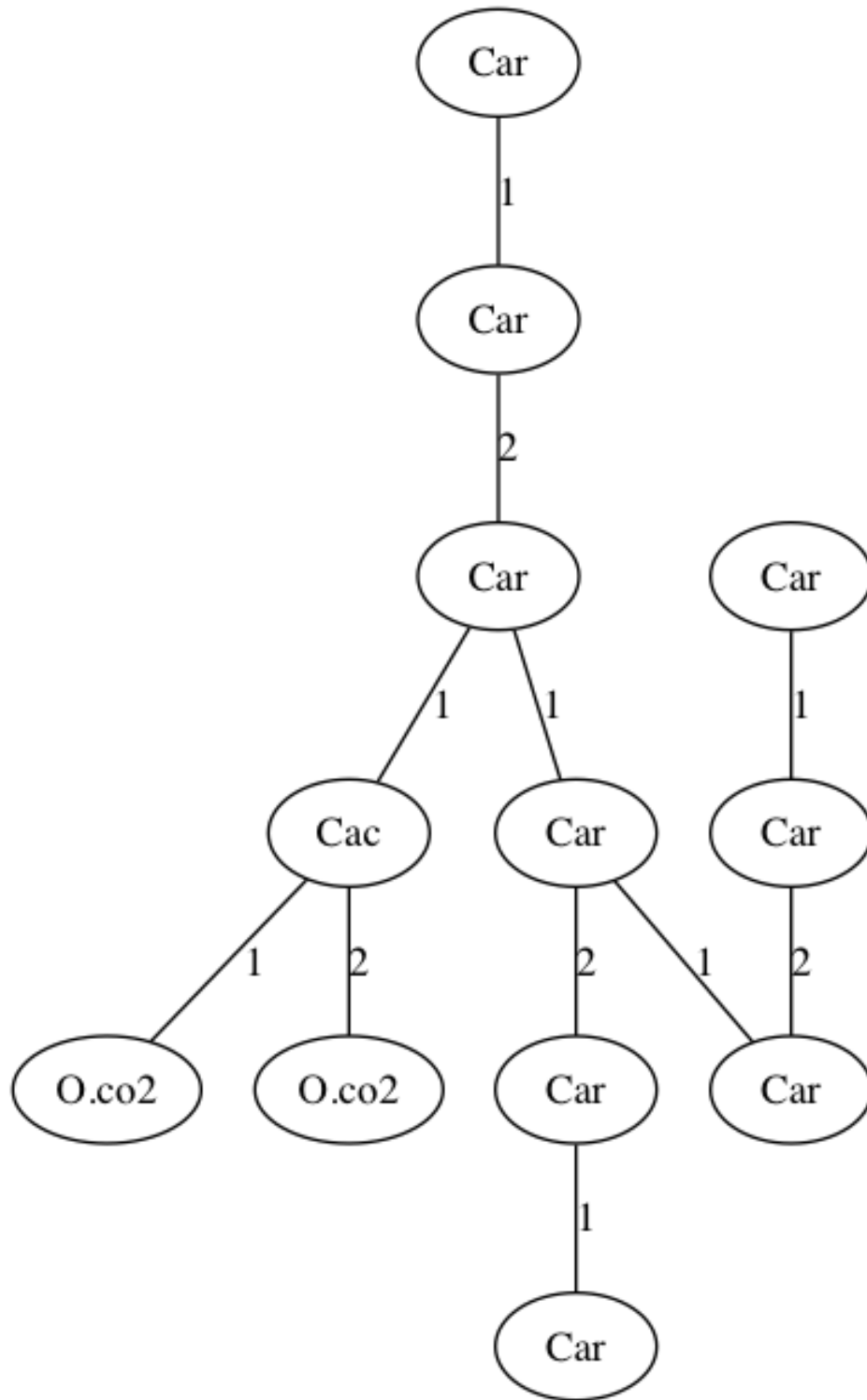
Rank	Mann Whitney U Test p-value	Behavior Descriptor
8	0.052043615	2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)



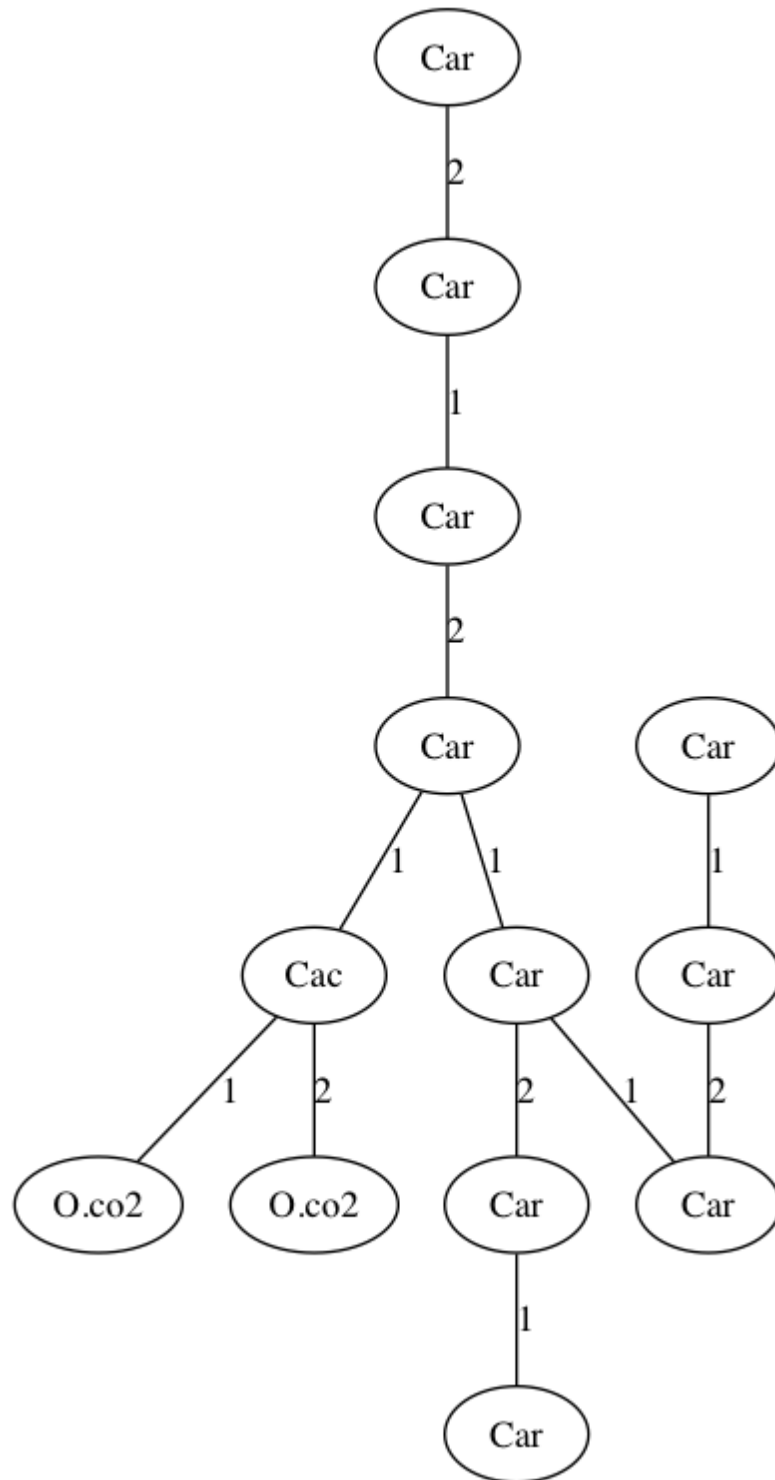
Rank	Mann Whitney U Test p-value	Behavior Descriptor
9	0.055646263	2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)



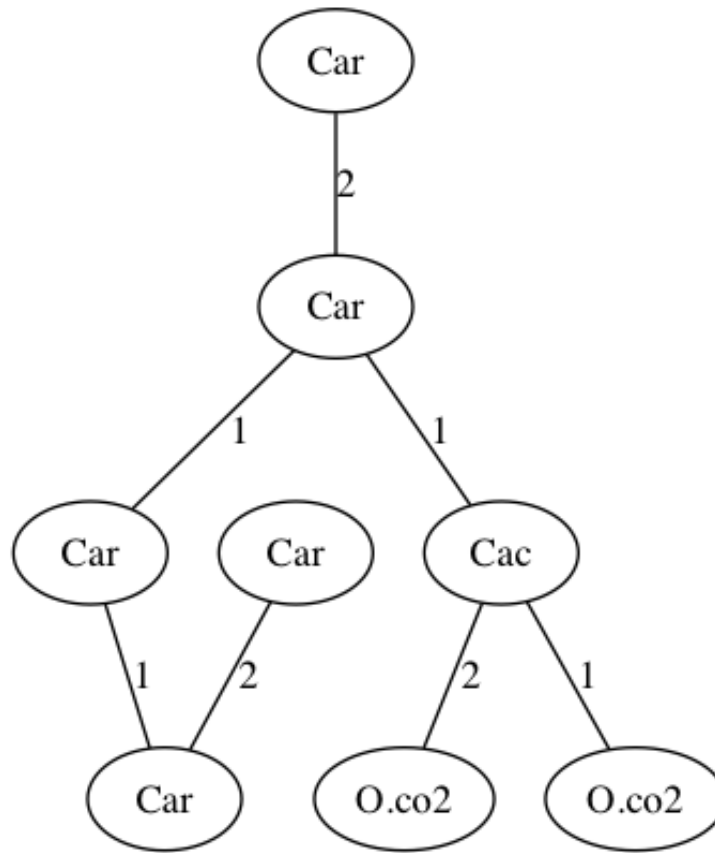
Rank	Mann Whitney U Test p-value	Behavior Descriptor
10	0.070064455	6-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Compression)



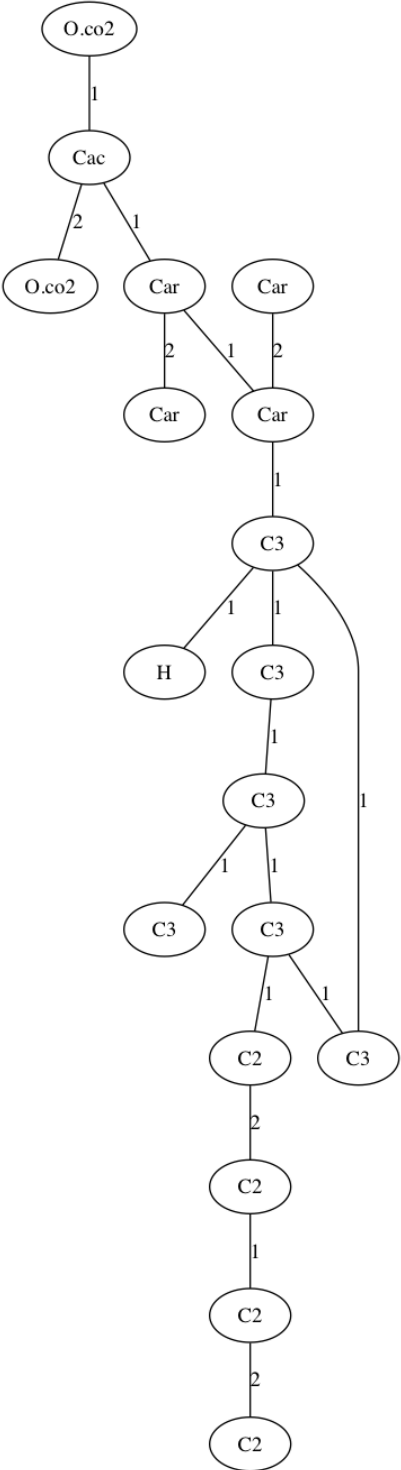
Rank	Mann Whitney U Test p-value	Behavior Descriptor
11	0.070064455	6-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Compression)



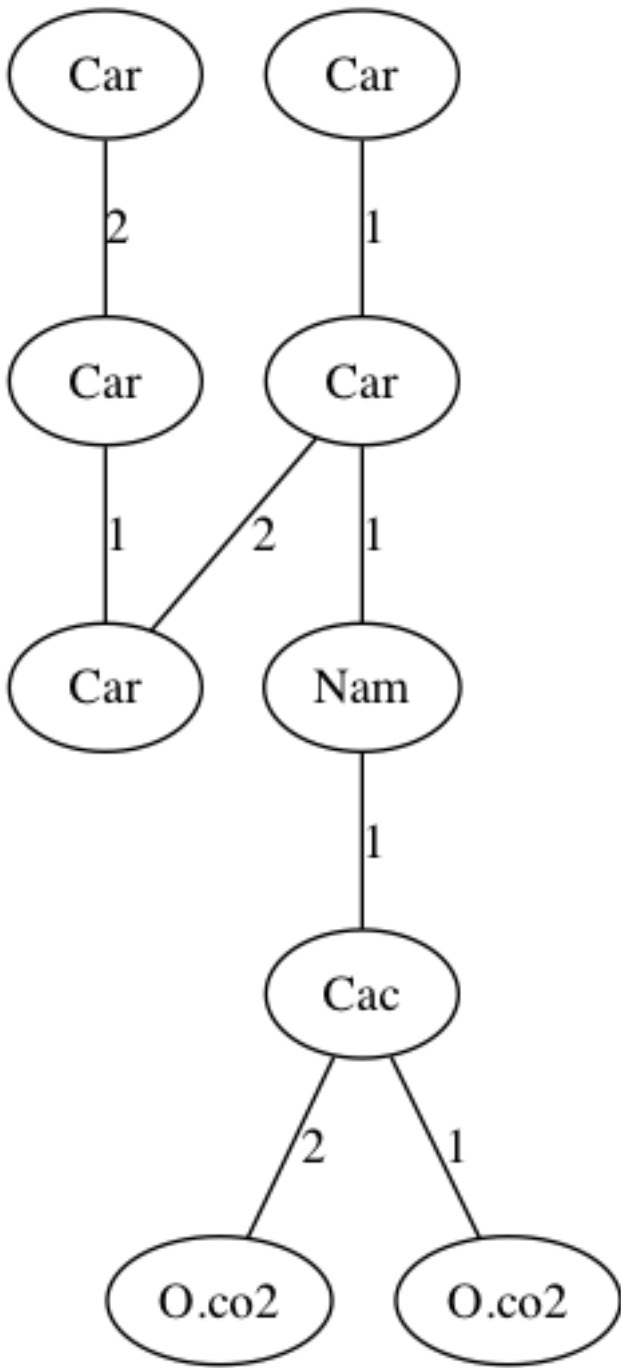
Rank	Mann Whitney U Test p-value	Behavior Descriptor
12	0.070064455	6-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Compression)



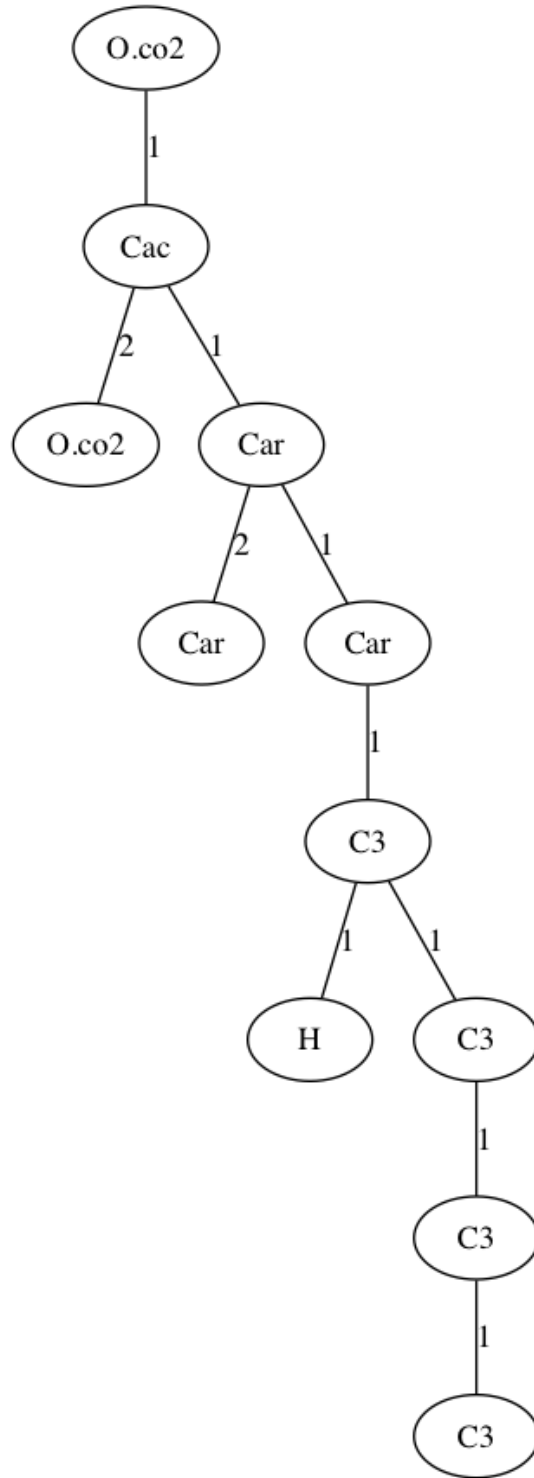
Rank	Mann Whitney U Test p-value	Behavior Descriptor
13	0.077347668	2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)



Rank	Mann Whitney U Test p-value	Behavior Descriptor
14	0.08699986	7-Nonlinearity in the stiffness around zero strain (minimize, Linker in Compression)

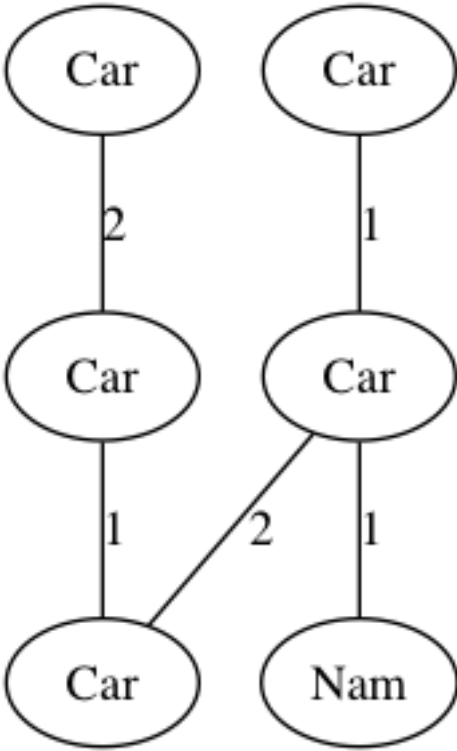


Rank	Mann Whitney U Test p-value	Behavior Descriptor
15	0.102053696	2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)

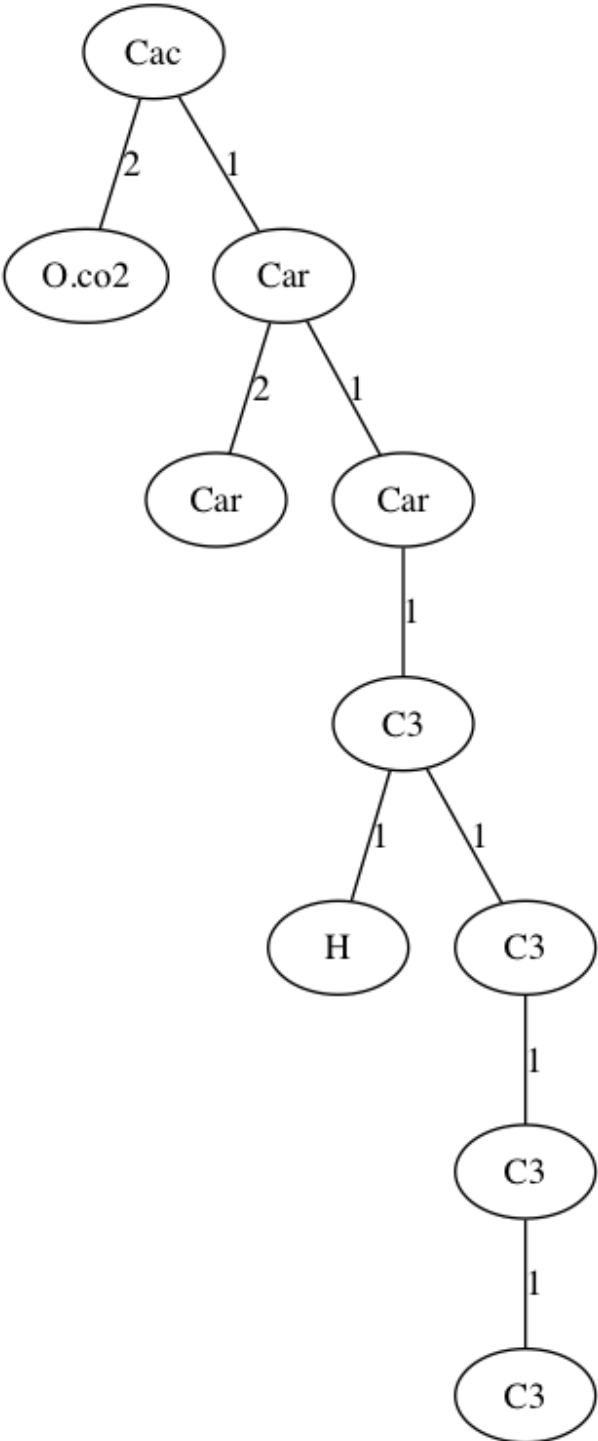




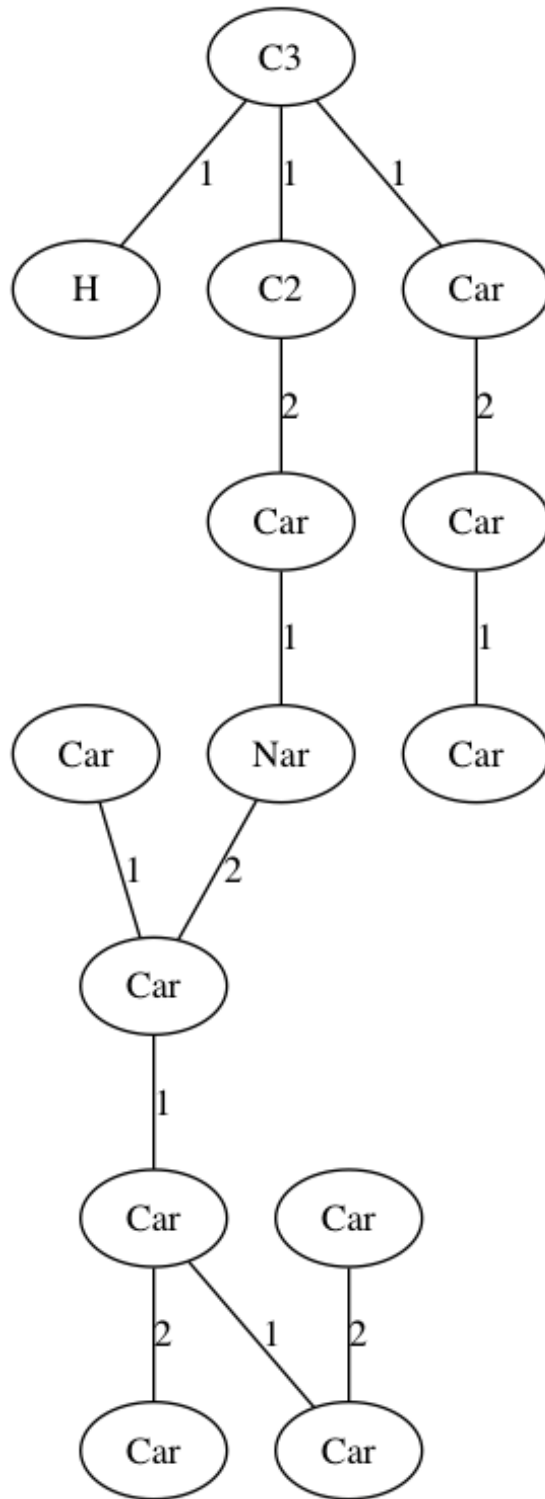
Rank	Mann Whitney U Test p-value	Behavior Descriptor
16	0.103685468	7-Nonlinearity in the stiffness around zero strain (minimize, Linker in Compression)



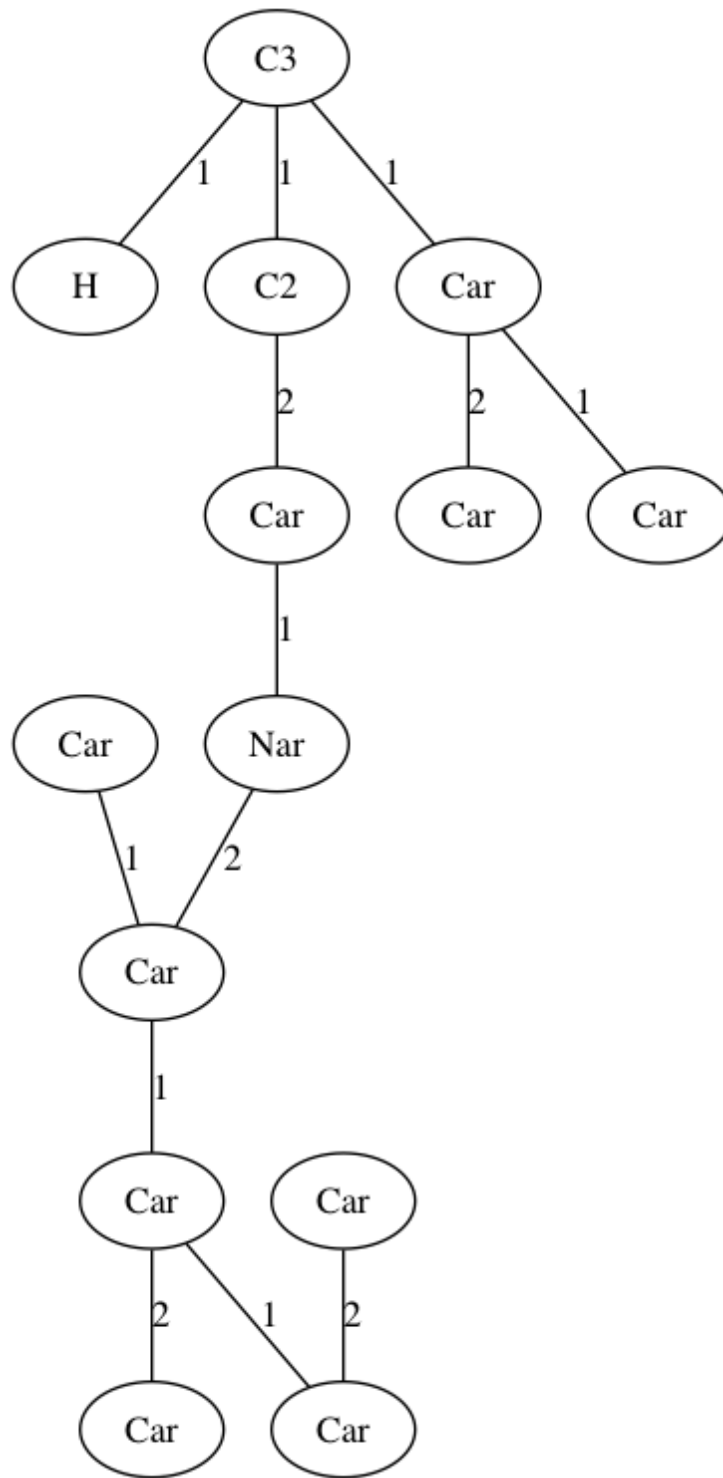
Rank	Mann Whitney U Test p-value	Behavior Descriptor
17	0.108701658	2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)



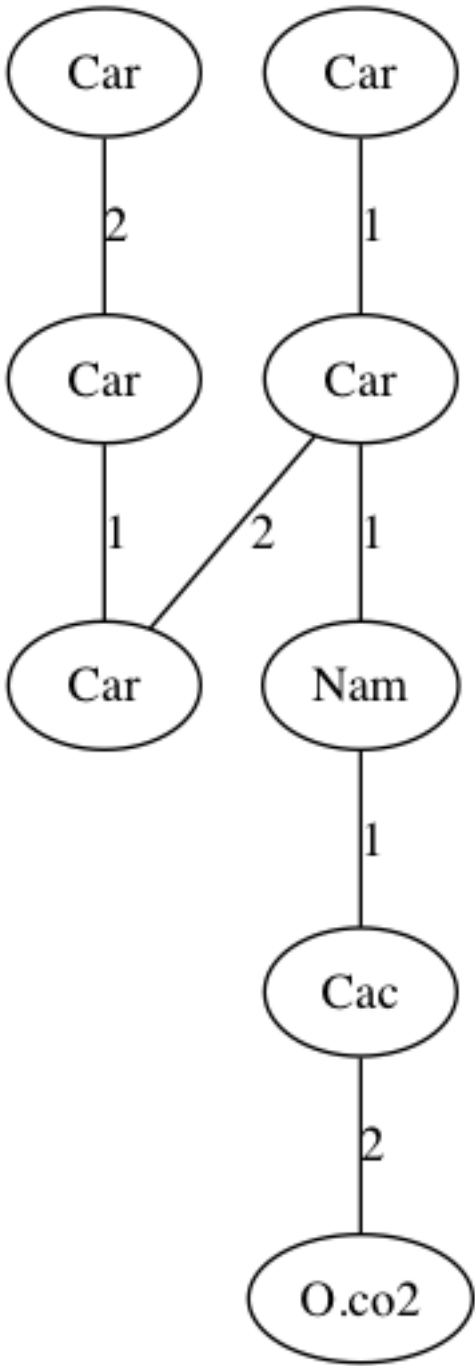
Rank	Mann Whitney U Test p-value	Behavior Descriptor
18	0.116814129	5-Stiffness after buckling (minimize, Linker in Compression)



Rank	Mann Whitney U Test p-value	Behavior Descriptor
19	0.118676296	5-Stiffness after buckling (minimize, Linker in Compression)



Rank	Mann Whitney U Test p-value	Behavior Descriptor
20	0.122864292	7-Nonlinearity in the stiffness around zero strain (minimize, Linker in Compression)



Rank	Mann Whitney U Test p-value	Behavior Descriptor
21	0.122864292	7-Nonlinearity in the stiffness around zero strain (minimize, Linker in Compression)

