

A quick comparison of bubble plots for the TryTryp clusters.

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From these bubble plots you can see that clusters with only one genome are not comparable to other clusters. we do not see much gain of informations in them in compare to other clusters. Also, almost for all the clusters, the gain of function is less than 0.44, so we only see color blue.

Bubble plots for Models **E, G, H, M, P, W** were very similar across TryTryp clusters. For other models we had positions with different level of gain of information for different clusters.

Note: When I say position x is not very much informative for a cluster, I mean the size of bubble for that cluster was considerably small.

Models	Difference between clusters
A	Pos 49: cluster 2 and 7 had considerably higher gain of information in compare to other clusters pos 66: cluster 3, 4, 10 had less gain of of information in compare to other clusters. Pos 50: cluster 10 had less gain of information in compare to other clusters.
C	Pos 52: is more informative for cluster 2 with higher gain of information in compare to other clusters.
D	Pos 24: not very informative for clusters but cluster 3, 4 9 and 10 had less gain of information in compare to other clusters
F	Pos 20: less informative for for cluster 4 and 10 with considerably lower gain of information
I	Pos 60 was not a very informative position for all clusters but cluster 3,4,8,9,10 lower gain of information as opposed to other clusters. Pos 50, was not a very informative position for all clusters but cluster 10 had lower gain of information as opposed to other clusters.
K	Pos 29: cluster 3,10 were less informative and less gain of information in compare to others. Pos 69, cluster 1,2,3 were less informative and had less gain of information in compare to others. Pos 43: cluster 3 and 10 had less gain of info and less informative
L	Pos 9: cluster 8 and 9 less informative and less gain of information. Pos 73: cluster 3 and 10 had less gain of info as opposed to other clusters

N	Pos 44: clusters 1 and 2 had higher gain of information in compare to other clusters and more in formative. Pos 70, was not a very informative position for all clusters but cluster 1,3,4,10 had less gain of information in compare to otehrs.
Q	Pos 16 was not a very informative position for all the clusters but cluster 1,2,3,4 had less gain of information in compare to others.
R	Pos 2: cluster 1,2,7 had more gain of info and more informative.
S	very similar except for Pos 10, cluster 10 has less gain of info in compare to others and less informative
T	Pos 31, clusters 2,5,7,11 had higher gain of information Pos 65: cluster 2 was more informative with higehr gain of info. Pos 41: cluster 10 had less gain of information in compare to others
V	Pos 16: cluster 7 and 2 had higher gain of info in compare to others and more informative. Pos 12, was only informative for cluster 1 with high gain of info. Pos 46: ? pos 33, only informative for cluster 1 and 2 with high gain of information.
X	Pos 1, was more informative for clusters 11,7, 2 with high gain of info
Y	for both pos 1 and 73, cluster 7 was more informative than others with higher gain of information.