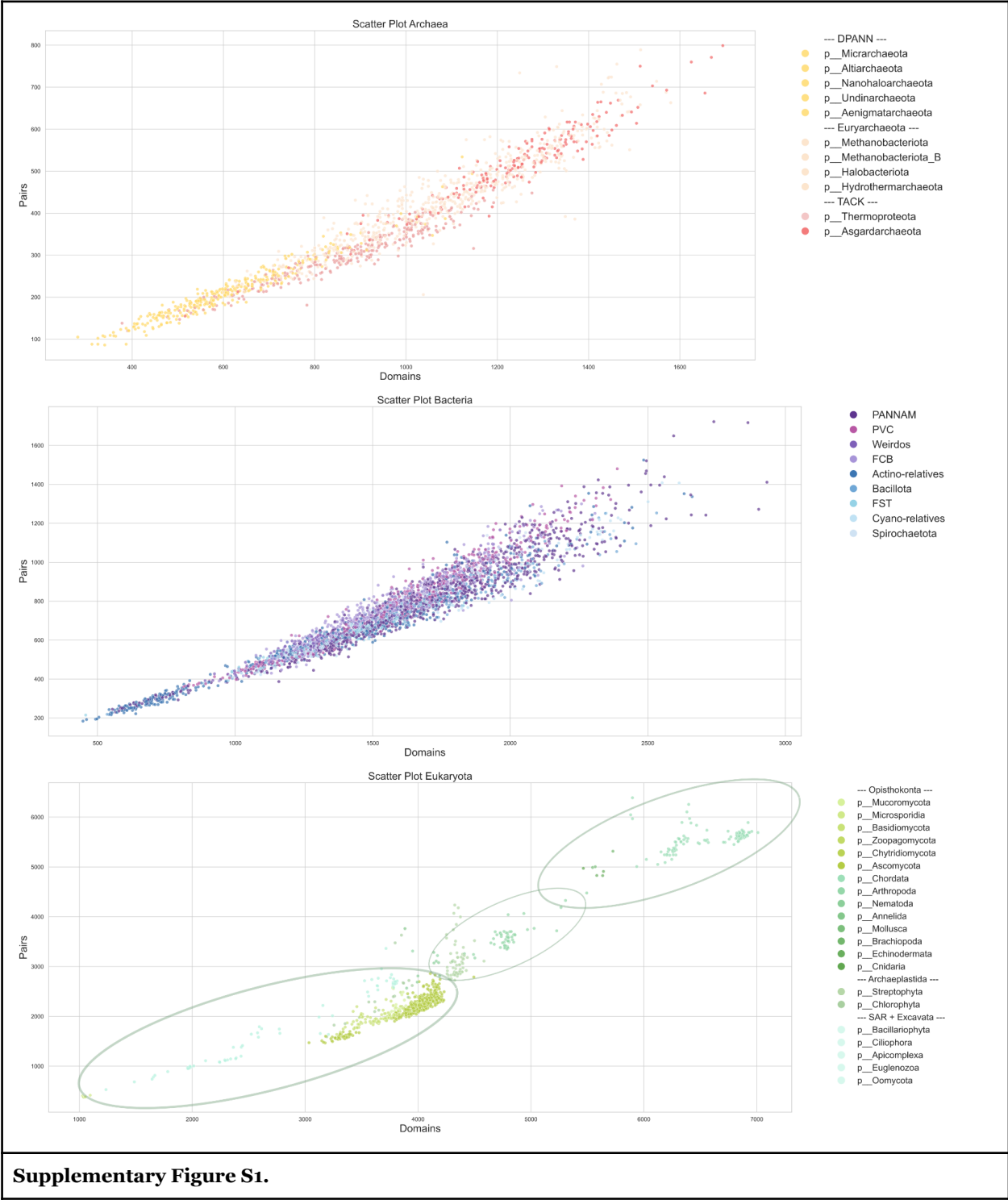
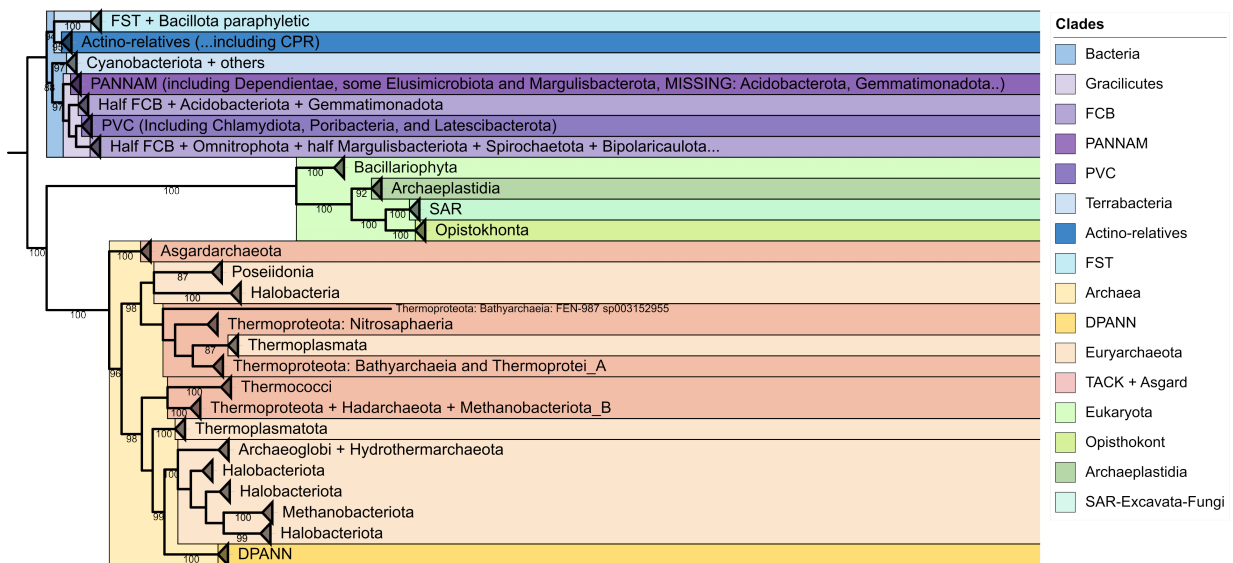


Supplementary



Tree scale: 0.01

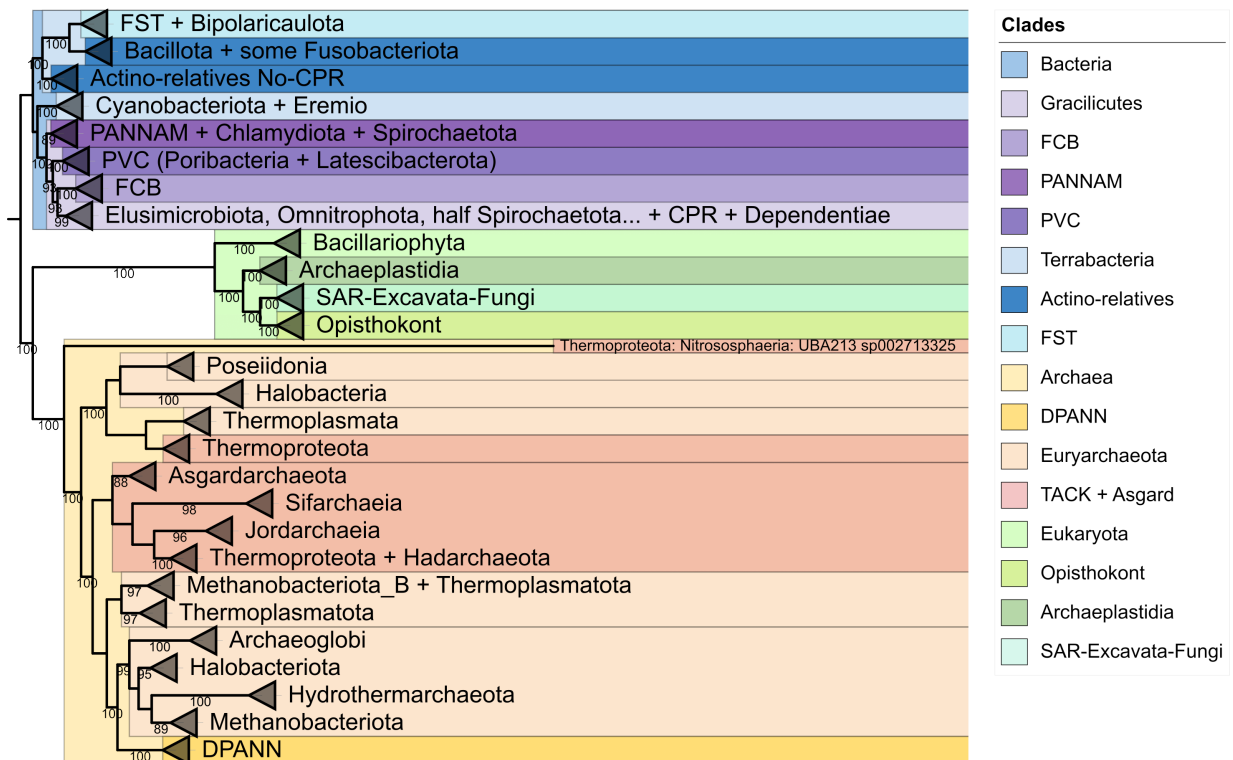
Tree Domain Content



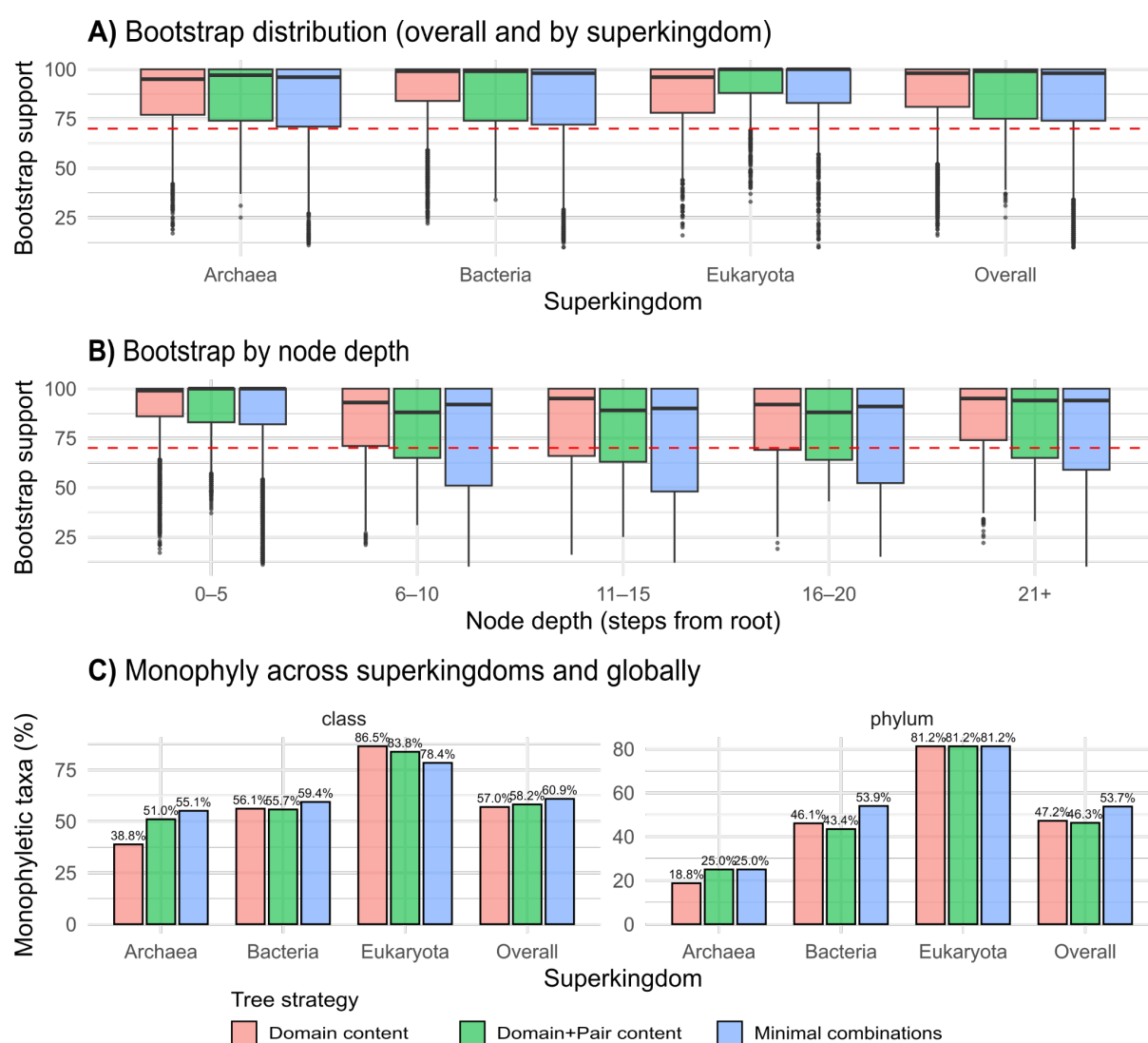
Supplementary Figure S2.

Tree scale: 0.001

Tree Pairs and Domains



Supplementary Figure S3.

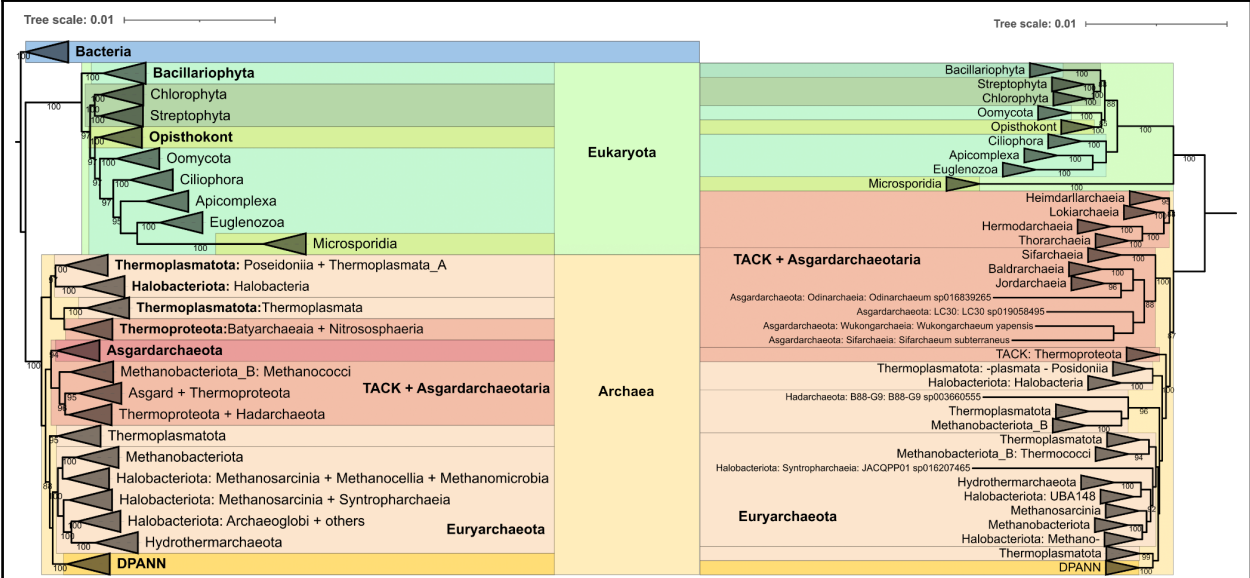


Supplementary Figure S4.

Tree metrics vs GTDB reference

Domain content	0.62	27950.00	82.12	442953.23	2358.00	1969.12	2283.77	54.56	16909.41	872.00
Domain+Pair content	0.61	27271.00	79.66	435281.60	2432.00	2002.91	2216.19	55.17	16765.61	856.00
Minimal combinations	0.60	25641.00	75.93	416359.27	2478.00	2027.50	2167.01	56.18	17222.54	847.00
	nRF	MatchingSplitDistance	ClusteringInfoDistance	InfoRobinsonFoulds	RobinsonFouldsMatching	NyeSimilarity	JaccardRobinsonFoulds	MutualClusteringInfo	PathDistance	SPRdist

Supplementary Figure S5.



Supplementary Figure S6.