

TBD

The Pickles

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Results

... a quantitative comparison of the datasets in Table.

Table 1: Quantitative metrics of the generated and existing functional annotation sets. C, F, P, and A refer to the aspects of the GO: Cellular Component, Biological Function, Molecular Process, and Any/All.

Genome	Genes	Dataset	Annotations ^a				Annotated Genes ^b				Median Ann. per G. ^c			
			C	F	P	A	C	F	P	A	C	F	P	A
Arachis_hypogaea		GOMAP	153433	132944	493799	780176	57667	56855	67123	67124	2	2	6	10
Glycine_max		GOMAP	129215	114010	417575	660800	46020	47087	52871	52872	2	2	6	11
Hordeum_vulgarum		GOMAP	88130	80371	272835	441336	35237	36487	39733	39734	2	2	5	10
Medicago_truncatula.A17		GOMAP	107362	99719	364065	571146	42325	43736	50443	50444	2	2	6	10
Medicago_truncatula.R108		GOMAP	112343	108031	382322	602696	40332	50220	55706	55706	1	2	5	9
Oryza_sativa		GOMAP	72782	64783	248713	386278	28619	29876	35824	35825	2	2	6	9
Phaseolus_vulgaris	100	GOMAP	72005	64583	229630	366218	25934	25539	27432	27433	2	2	6	11
Triticum_aestivum		GOMAP	267742	218839	786028	1272609	95604	98224	107890	107891	2	2	6	10
Vigna_unguiculata		GOMAP	75867	68313	243278	387458	27173	27124	29772	29773	2	2	6	11
Zea_mays.B73.v3		GOMAP	135251	87953	291855	515059	34867	38099	39469	39469	3	2	6	11
Zea_mays.B73.v4		GOMAP	88831	82849	278952	450632	36717	37431	39324	39324	2	2	6	10
Zea_mays.Mo17		GOMAP	87573	79755	278043	445371	33618	35177	38620	38620	2	2	6	10
Zea_mays.PH207		GOMAP	90625	86106	288937	465668	35170	36843	40557	40557	2	2	6	10
Zea_mays.W22		GOMAP	95397	85616	290032	471045	36987	37764	40690	40690	2	2	6	10

^a How many annotations in the C, F, and P aspect does this dataset contain? A = How many in total? $A = C + F + P$

^b How many genes in the genome have at least one GO term from the C, F, P aspect annotated to them? A = How many at least one from any aspect? ($A = C \cup F \cup P$)

^c Take a typical gene that is present in the annotation set. How many annotations does it have in each aspect? A = How many in total? Ask your favorite statistician why $A \neq C + F + P$