Table S4: The function propensities of families with significantly (p < 0.01) higher or lower number of bi-functional positions than expected by chance.

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	Propensity of families		Propensity of families	
	with significantly low	(95% confidence	with significantly high	(95% confidence
Function	bi-functional positions	interval)	bi-functional positions	interval)
Information	1.197	(0.535, 2.123)	1.099	(0.571, 1.768)
Metabolism	1.237	* (1.074, 1.401)	0.848	* (0.719, 0.976)
Extracellular processes	0.325	(0, 1.051)	0.932	(0.193, 2.135)
Intracellular processes	0.718	(0.296, 1.252)	1.648	* (1.169, 2.298)
Regulation	0.39	* (0, 0.858)	1.118	(0.607, 1.765)
General	0.666	(0.204, 1.264)	1.464	(0.879, 2.205)
Other	0.337	* (0, 0.875)	0.387	* (0.084, 0.852)

Bootstrap resampling was performed to compute 95% confidence intervals of the function propensities (Text Eqn 5). Propensities are considered significant (asterisk) at the $\alpha=0.05$ level if their confidence intervals do not include the value 1.