S1 Table   Estimated p-values (std). Each empirical graph is associated with an estimated p-value ($\hat{p}$) of being an outcome of an Erdős-Rényi, Fitness scale-free model, a Watts-Strogatz small word or a Geometric model. As in Table 1, empirical graphs are sorted according to their order. ($\hat{p}^* < 0.05$, $\hat{p}^{**} < 0.01$ and $\hat{p}^{***} \leq 0.001$)

Graph	Standardised p-value			
	Erdős-Rényi	**Scale-Free**	**Watts-Strogatz**	**Geometric**
Graph 1	0.001***	0.001***	0.001***	0.095
Graph 2	0.001***	0.001***	0.001***	0.160
Graph 3	0.001***	0.001***	0.002**	0.092
Graph 4	0.001***	0.020*	0.001***	0.039*
Graph 5	0.001***	0.001***	0.001***	0.102
Graph 6	0.001***	0.001***	0.001***	0.001***
Graph 7	0.001***	0.001***	0.001***	0.003**
Graph 8	0.001***	0.001***	0.001***	0.004**
Graph 9	0.001***	0.001***	0.001***	0.003**
Graph 10	0.001***	0.001***	0.001***	0.173