

Table S17. Test of substitution saturation of PCGs and RNAs

	NumOTU	<i>Iss</i>	<i>Iss.cSym</i>	<i>P</i>	<i>Iss.cAsym</i>	<i>P</i>
PCGs	4	0.864	0.849	0.0683	0.834	0.0005
	8	0.865	0.839	0.0012	0.754	0.0000
	16	0.868	0.825	0.0000	0.662	0.0000
	32	0.872	0.807	0.0000	0.548	0.0000
rRNAs	4	1.232	0.849	0.0000	0.836	0.0000
	8	1.366	0.841	0.0000	0.757	0.0000
	16	1.515	0.826	0.0000	0.667	0.0000
	32	1.703	0.808	0.0000	0.553	0.0000

Iss: simple index of substitution saturation; *Iss.cSym*: critical *Iss* assuming a symmetrical topology;
Iss.cAsym: critical *Iss* assuming an asymmetrical topology.