

**S1 Table**

Robustness checks for the simulated results: the models that best match the empirical result pattern

	2-Person		5-Person				Weights		
	Low Benefit	High Benefit	Multiplier Constant		MPCR Constant		W <sub>1</sub>	W <sub>2</sub>	W <sub>3</sub>
			Low Benefit	High Benefit	Low Benefit	High Benefit			
Empirical Results	.354	.629	.162	.237	.602	.611			
Simulated Results									
With initial parameters	.248	.616	.089	.308	.618	.644	.2	.5	.3
With no defectors	.497	.936	.176	.801	.932	.936	.2	.5	.3
With random utility term per round <sup>a</sup>	.349	.613	.090	.176	.596	.635	.2	.5	.3
With random utility term per round <sup>a</sup>	.255	.466	.217	.290	.592	.645	.1	.5	.4
With random utility term per round <sup>a</sup>	.459	.657	.390	.502	.628	.631	0	.6	.4
With random utility term per round <sup>a</sup>	.561	.627	.288	.456	.632	.632	.1	.6	.3
With random weights term per person	.259	.634	.079	.295	.616	.634	.2	.5	.3
With temporal memory ( $W_M=.8$ )	.415	.640	.088	.220	.621	.644	.2	.5	.3

<sup>a</sup> There were four weights that matched the empirical pattern, however  $W_1=.2$ ,  $W_2=.5$ ,  $W_3=.3$  was the best match.