

Reverse-engineering reactions from *E. coli*, *H. pylori*, and *L. lactis* models after *S. aureus* model curation

		<i>E. coli</i>	<i>H. pylori</i>	<i>L. lactis</i>	
Reactions to Reverse Engineer	Total Number of Reactions ^a	648	357	467	
	Reaction Counts				
	Reactions to Add “As is” ^b	54	33	45	
	Reactions to Map to Functional Roles	In Curated Subsystems ^c	406	264	320
		In Additional Subsystems ^d	108	28	30
Remaining Reactions ^e		80	32	72	

- ^{a.} Reaction total does not include transport and exchange reactions, and “dead end” reactions (*i.e.*, reactions whose substrates are never produced or whose products are never consumed) specified by the published models.
- ^{b.} Reactions in respective models that combine many reactions into one for synthesis of organism-specific properties (e.g., fatty acid synthesis).
- ^{c.} Reactions in the models that map to functional roles in the 65 subsystems curated for *S. aureus* network generation.
- ^{d.} Reactions in the models that map to functional roles in existing subsystems that were not curated in association with *S. aureus* network generation.
- ^{e.} Reactions not yet associated with functional roles in subsystems.