

**Table 4** Relative fractions of COG groups within the functionally annotated genes for non-pathogens/pathogens. The arrows indicate how the reported percentages increase or decrease in the core genome compared to the pan genome.

COG groups	Non-pathogens		Pathogens	
	Pan (%)	Core (%)	Pan (%)	Core (%)
Information storage	33.5	64.4 ↑↑	29.3	42.4 ↑↑
Cell. process, signalling	22.0	16.6 ↓	25.7	18.9 ↓
Metabolism	44.5	20.2 ↓↓	44.9	38.7 ↓