enriched KEGG pathway Two-component system -Gene number Quorum sensing Cysteine and methionine metabolism Butanoate metabolism KEGG_pathway 15 Aminoacyl-tRNA biosynthesis -Alanine, aspartate and $-\log_{10}(pvalue)$ glutamate metabolism 2.00 beta-Lactam resistance -1.75 1.50 Cationic antimicrobial peptide 1.25 (CAMP) resistance 1.00 Biofilm formation -Escherichia coli 0.75 Citrate cycle (TCA cycle) -0.05 0.10 0.15 GeneRatio