



**Fig S1.** The standard gram-staining showed strain V4 cells are Gram-stain negative, with the red phenotype (a). The results of strain V4 biochemical characteristics were shown in after reaction picture. From left to right, they are semisolid agar, ornithine, lysine, amino acid control, citrate utilization, H<sub>2</sub>S, urease, indole, methyl red, V-P test, phenylalanine, mannitol, inositol, sorbitol, melibiose, ribitol and raffinose in HBI Rapid ID Panel For Enterobacteriaceae Bacteria of before reaction and after reaction picture(b). The result of 100 µg/mL IAA standard in indole tests were shown (c)

