

Table S1. Gene expression ratio of different genes under the induction of IPTG/without IPTG in SC4

Target genes	Expression change\pmSD (IPTG+/IPTG-)	Significance*
<i>mtrR</i>	86.34 \pm 11.22	<0.001
<i>mtrC</i>	0.3 \pm 0.06	<0.001
<i>mtrE</i>	0.32 \pm 0.12	<0.001
<i>farR</i>	0.53 \pm 0.05	<0.001
<i>rpoH</i>	0.46 \pm 0.08	<0.001
<i>penA</i>	1.09 \pm 0.17	0.376
<i>porB</i>	1.3 \pm 0.4	0.267
<i>gyrA</i>	0.99 \pm 0.25	0.898
<i>norM</i>	0.94 \pm 0.08	0.254

*P value was calculated by Student's t-test