

TABLE S2. Comparison of the transcriptional and protein responses of *E. coli* exposed to colistin and CSA13 for selected genes^a

Gene symbol	Protein				RNA			
	Colistin		CSA13		Colistin		CSA13	
	Log ₂ FC	Adj. <i>P</i> _{value}	Log ₂ FC	Adj. <i>P</i> _{value}	Log ₂ FC	Adj. <i>P</i> _{value}	Log ₂ FC	Adj. <i>P</i> _{value}
CpxR regulon^b								
<i>degP</i>	1.81	<0.05	1.81	<0.05	4.36	<0.05	4.81	<0.05
<i>spy</i>	2.34	<0.05	1.50	<0.05	5.67	<0.05	5.96	<0.05
<i>yebE</i>	2.17	<0.05	3.29	<0.05	3.89	<0.05	5.70	<0.05
Colanic acid and LPS^c								
<i>cpsG</i>	4.57	<0.05	0.96	NS	6.96	<0.05	0.91	NS
<i>galU</i>	1.03	<0.05	-0.13	NS	1.71	<0.05	-1.21	<0.05
<i>gmd</i>	6.96	<0.05	ND	ND	8.84	<0.05	2.35	<0.05
<i>ugd</i>	1.93	<0.05	0.06	NS	4.36	<0.05	-1.03	NS
<i>waaY</i>	5.15	<0.05	5.91	<0.05	0.32	NS	-0.80	NS
<i>wcaG</i>	3.84	<0.05	ND	ND	9.00	<0.05	1.76	NS
<i>wcaJ</i>	6.02	<0.05	ND	ND	7.44	<0.05	1.74	NS
<i>wzc</i>	1.36	<0.05	-0.44	NS	8.52	<0.05	1.84	NS
PhoB regulon^d								
<i>ompF</i>	1.19	NS	2.88	<0.05	-4.93	<0.05	-4.33	<0.05
<i>phoB</i>	-0.16	NS	1.37	<0.05	-0.45	NS	4.31	<0.05
<i>pstB</i>	0.71	<0.05	1.55	<0.05	0.60	NS	4.21	<0.05
<i>pstS</i>	-0.62	NS	1.60	<0.05	0.71	NS	5.77	<0.05
Heat response^e								
<i>clpA</i>	0.04	NS	1.03	<0.05	1.12	<0.05	2.90	<0.05
<i>clpB</i>	0.02	NS	1.30	<0.05	0.75	NS	4.57	<0.05
<i>degP</i>	1.81	<0.05	1.81	<0.05	4.36	<0.05	4.81	<0.05
<i>hslU</i>	0.31	NS	1.00	<0.05	0.39	NS	1.26	<0.05
<i>hslV</i>	0.08	NS	1.68	<0.05	0.33	NS	1.91	<0.05
<i>htpG</i>	0.28	NS	1.21	<0.05	0.30	NS	2.00	<0.05
<i>ibpA</i>	0.17	NS	3.14	<0.05	-0.07	NS	5.02	<0.05
<i>ibpB</i>	-0.09	NS	5.15	<0.05	-0.22	NS	7.23	<0.05
<i>lon</i>	0.31	NS	1.05	<0.05	0.28	NS	1.26	<0.05
<i>nudF</i>	0.56	NS	1.12	<0.05	-0.22	NS	-0.40	NS
<i>pspA</i>	1.79	<0.05	1.81	<0.05	2.11	<0.05	5.36	<0.05
<i>rhlE</i>	0.30	NS	1.84	<0.05	0.88	NS	-0.58	NS

^a Log₂FC, Log₂ fold change; Adj. *P*_{value}, adjusted *P*_{value}; ND, not determined; NS, not significant.

^b CpxR regulon genes significantly upregulated at the protein level in *E. coli* exposed to colistin and CSA13.

^c Genes involved in colanic acid (GO:0009242) and lipopolysaccharide (LPS) (GO:0009103) biosynthetic processes and significantly upregulated at the protein level in *E. coli* exposed to colistin.

^d PhoB regulon genes significantly upregulated at the protein level in *E. coli* exposed to CSA13.

^e Genes involved in the heat response (GO:0009408) and significantly upregulated at the protein level in *E. coli* exposed to CSA13.