

Table S1. SOS response genes identified in *E. coli* and *S. enterica*. Genes highlighted in bold are shared by this study and others.

Fernandez de Henestrosa et al. 2000 (42) (<i>E. coli</i>)	Wade et al. 2005 (9) (<i>E. coli</i>)	Erill et al. 2003 (2) (<i>S. enterica</i>)	This work (<i>S. enterica</i>)
dinB	dinB	dinB	dinB (dinP)
dinG	dinG	dinG	dinG
dinI	dinI	dinI	dinI
lexA	lexA	lexA	lexA
polB	polB	polB	polB
recA	recA	recA	recA
recN	recN	recN	recN
sbmC	sbmC	sbmC	sbmC
ssb	ssb	ssb	Ssb
sulA	sulA	sulA	sulA
umuDC	umuDC	umuDC	umuDC
uvrA	uvrA	uvrA	uvrA
uvrB	uvrB	uvrB	uvrB
uvrD	uvrD	uvrD	uvrD
ydjM	ydjM	ydjM	ydjM
yebG	yebG	yebG	yebG
yigN	yigN	yigN	yigN
brnQ	ydjQ	ydjQ	ydjQ
creA	cadB	msgA	msgA
dinQ	clpX	STM14_1156	STM14_1156
dinS	dinD	STM14_3210	STM14_3210
dinJ	dinQ	ftsK	dinJ
ecpD	fadE	ftsY	corE
ftsK	ftsK	mfd	cysP
hofQ	hokE	minC	deoD
hokE	idi	molR	frsA
ilbL	intD	recG	gudD
ilvD	mall	ruvA	higB
metE	minC	STM0925	hupA
metR	molR	STM14_1198	IstR-1,2*

<i>minC</i>	<i>otsB</i>	STM2727	<i>mutH</i>
<i>molR</i>	<i>polA</i>	<i>ybfE</i>	<i>ndh</i>
<i>mug</i>	<i>ptrA</i>	<i>yjiW</i>	<i>nlhH</i>
<i>pcsA / dinD</i>	<i>ruvA</i>		<i>rcnB</i>
<i>pshM</i>	<i>ybbK</i>		<i>slyX</i>
<i>rfaJ</i>	<i>ybeR</i>		STM14_1432
<i>rob</i>	<i>ybeX</i>		STM14_1439
<i>ruvAB</i>	<i>ybjK</i>		STM14_2473
<i>tyrS</i>	<i>ydeQ</i>		STM14_3214
<i>xylE</i>	<i>ydfJ</i>		STM14_5518
<i>yafL</i>	<i>ydjF</i>		<i>thiM</i>
<i>ybfE</i>	<i>yebN</i>		<i>tisB</i> *
<i>ybiA</i>	<i>yfaX</i>		<i>yacA</i>
<i>ybiT</i>	<i>ygck</i>		<i>yejK</i>
<i>ycbU</i>	<i>yjiW</i>		<i>yejL</i>
<i>ycgJ</i>	<i>ynaE</i>		<i>yhjE</i>
<i>ycgL</i>	<i>yoaC</i>		<i>yqaB</i>
<i>yciG</i>	<i>ysdA</i>		
<i>ydbH</i>			
<i>ydeJ</i>			
<i>ydJjQ</i>			
<i>yecS</i>			
<i>yfiE</i>			
<i>yfiK</i>			
<i>ygiS</i>			
<i>yhiX</i>			
<i>yiaO</i>			
<i>yjgN</i>			
<i>yjiW</i>			
<i>ysdAB</i>			

* LexA-mediated control of *istR-1,2* and *tisB* was also described by Vogel et al (45).