

Table S6. Initial selection of candidate genes of the ComE and ComR regulons.

Gene ID	Mean fold change				Candidate Com E-regulon ^a	Candidate ComR-regulon ^b
	UA159 10 min	UA159 100 min	$\Delta comS$ 100min	$\Delta sigX$ 120 min Perry et al.		
SMU.150	51.8	62.4	40.9	5.3	E	
SMU.151	34.7	41.1	46.2	4.9	E	
SMU.152	22.4	36.4	42.0	5.4	E	
SMU.153	17.6	25.9	25.6	5.2	E	
SMU.423	38.8	49.5	54.3	5.8	E	
SMU.424	3.1	5.9	3.1	N	E	
SMU.426	2.9	5.5	3.6	2.5	E	
SMU.427	2.7	4.0	2.3	2.1	E	
SMU.925	3.8	10.3	6.4	2.7	E	
SMU.1902c	2.1	2.5	N	2.5	E	
SMU.1903c	12.4	16.0	24.3	5.0	E	
SMU.1904c	21.1	49.7	61.1	5.1	E	
SMU.1905c	26.4	47.8	43.8	5.1	E	
SMU.1906c	21.3	34.0	45.1	4.8	E	
SMU.1908c	16.4	57.1	35.8	4.9	E	
SMU.1909c	17.6	55.1	85.3	5.7	E	
SMU.1910c	15.5	39.2	61.6	5.6	E	
SMU.1912c	16.4	29.9	67.0	4.9	E	
SMU.1913c	13.6	29.3	49.4	5.2	E	
SMU.1914c	15.9	17.4	31.0	4.5	E	
SMU.926	N	3.7	2.2	N	E	
SMU.41	N	N	N	-3.3		
SMU.63c	N	-2.3		2.7		R
SMU.64	N	5.6		2.7		R
SMU.65	N	4.4		2.8		R
SMU.66	N	2.6		2.1		R
SMU.78	N	N	N	-2.0		
SMU.575c	N	N	-2.1	N		
SMU.799c	N	N	N	2.6		
SMU.877	N	N	N	-2.2		
SMU.878	N	N	N	-2.7		
SMU.879	N	N	N	-2.6		
SMU.880	N	N	N	-2.5		
SMU.881	N	N	N	-2.8		
SMU.882	N	N	N	-2.4		
SMU.883	N	N	N	-2.8		
SMU.887	N	N	N	-2.2		
SMU.1047c	N	N	-2.3	N		
SMU.1808c	N	N	-2.1	N		
SMU.2037	N	N	N	2.1		
SMU.2038	N	N	N	2.3		

^a E; change in gene expression in UA 159 100 min that was also changed either in UA159 10 min or in $\Delta comS$ 100 min. ^b R; change in gene expression in *sigX* 120 min reported by Perry et al (1) that was also changed in UA 159 100 min, but not in $\Delta comS$ 100 min. Mean fold changes in gene expression (cut off

level of 2). N; no changes in gene expression (below cut off level of 2). Note that the transcriptome of *sigX* has no information on the direction of the transcripts, and no probes for *comS*.

References

1. **Perry, J. A., M. B. Jones, S. N. Peterson, D. G. Cvitkovitch, and C. M. Levesque.** 2009. Peptide alarmone signalling triggers an auto-active bacteriocin necessary for genetic competence. *Molecular Microbiology* **72**:905-17.