

**Table S6.** Primers used in this study.

Primer Use/Name	Sequence 5'-3'
<b>Cloning</b>	
<i>P<sub>lac</sub></i> promoter	
<i>P<sub>lac</sub>_BamHI_Foward</i>	GTAGGATCCAGTGAGCGCAACGCAATTA
<i>P<sub>lac</sub>_NdeI_Reverse</i>	GTACATATGTATCCGCTCACAATTCCACA
Kanamycin <sup>r</sup> cassette	
<i>Kan_MfeI_Foward</i>	TCGCAATTGAGGAAGCGGAACACGTAGAA
<i>Kan_XbaI_Reverse</i>	TCGTCTAGAGTCATTTTCGAACCCCAGAGTC
pSAM promoter sequencing	
-69_Foward	TGGCCTTTTTGCGTTTTCTAC
+65_Reverse	CAAGCCAAGTTTTTGCTTCC
<b>Southern blot probe</b>	
Kanamycin gene	
<i>SB_probe_Foward</i>	AGGAAGCGGAACACGTAGAA
<i>SB_probe_Reverse</i>	CTCGTCCTGCAGTTCATTCA
<b>Knockout and confirmation</b>	
<i>EcF11_3256</i> KO	
Forward	TGTACAATAACGCGCTATTTCTAATGCCTGAGGCAAAGTTTGTGTAGGCTGGAGCTGCTTCG
Reverse	CTGCCATCGCTGGCAGGTTTTTTATGACTAAAAAACGAAACATATGAATATCCTCCTTAG
<i>EcF11_3256</i> KO confirm	
Forward	CAATACTTGTTTGCGGAGGA
Reverse	GGGAGATACTCGCATTGGTG
<i>EcF11_3082</i> KO	
Forward	TCGTTACTATATCGGCTGAAATTAATGAGGTCATACCCAATGTGTAGGCTGGAGCTGCTTCG
Reverse	TTTTCTTTTATAAATCTGGATTTTTGAGCGAGATGACGCGCATATGAATATCCTCCTTAG
<i>EcF11_3082</i> KO confirm	
Forward	TCGGCTGAAATTAATGAGGTC
Reverse	CCAAAAAGGCCAGCATGT
<i>EcF11_2628</i> KO	
Forward	TAGCTCTACCACGTATTTTTTTTCTAAACATTATCTACCTTGTGTAGGCTGGAGCTGCTTCG
Reverse	TATTCCTAATATGGCAACTTTAAGTTATCGCCGTCATACCATATGAATATCCTCCTTAG
<i>EcF11_2628</i> KO confirm	
Forward	CAGGATTTTTGCTAACATAACCTT
Reverse	GGCGCACCGTGTCTTTTC
<i>EcF11_3933</i> KO	
Forward	TTTATCCTCTTGCCCTTGCTTCTACCTCGGTAAAAAATGTGTGTAGGCTGGAGCTGCTTCG
Reverse	AAACAGGTGTTGCACACAACCAGACGCGGCACCTGTTTTACATATGAATATCCTCCTTAG
<i>EcF11_3933</i> KO confirm	
Forward	GCATGGACGCTGACAGTTC
Reverse	TGTGGATGAAGGGTAAGGT