

**Table S1 Sequence of primers.**

<b>Primer</b>	<b>Sequence</b>
<i>dsxOD3</i>	5' TGGARAARTGYCGMYTRACNGCSGAYCG 3'
<i>dsxOD7</i>	5' GTATCACATACATNARNGGC 3'
<i>dsxSccom</i>	5' GGTCAGAACATAAGCGAAGTG 3'
<i>dsxSc1</i>	5' ATCGTCGGGATTCCTTACG 3'
<i>dsxMSc</i>	5' TGTA <sup>T</sup> CTTCTAGGTAAACGCAG 3'
<i>dsxM2Sc</i>	5' CACTCATGGCTTTTATCATAAT 3'
<i>dsxFSc</i>	5' GTCCGTTCCACAATTGACATG 3'
<i>GW17</i>	5' TCGTGTTATCATCCCCGTTTGGTATCG 3'
<i>GW19</i>	5' TCAATCCATCGCATTGCTTAATTAC 3'
<i>dsxcom1</i>	5' CGTCACCGTCATTGACACCTGATCAG 3'
<i>e1i1-1</i>	5' ATAAGAAT <b>GCGGCCG</b> CGTCATTGACACCTGATCAG 3'
<i>e1i1-2</i>	5' GCTCTAGATGCTAATCACGACACAGACG 3'
<i>i1e2i2-1</i>	5' GCTCTAGATGAAAGAAGGAAATCCTAAGTC 3'
<i>i1e2i2-2</i>	5' TGCACT <b>G</b> CAGGTTTTAGGACCAGGATGAGC 3'
<i>i2e3i3-1</i>	5' TGCACT <b>G</b> CAGTTCTGACTGTACTTTTGTAGC 3'
<i>i2e3i3-2</i>	5' CCCT <b>G</b> AGGTCTCGATCAAGGATGTCTG 3'
<i>i3e4-1</i>	5' CCCT <b>G</b> AGAATCAATACGATACTGAGCATC 3'
<i>i3e4-2</i>	5' GGG <b>T</b> ACCTAAATTCATCCATCGCATTG 3'
<i>pGexdsxC</i>	5' <b>GGAATTC</b> GAAATGGTCTCTAATGATATATCTG 3'
<i>pGexdsxC2</i>	5' <b>CCAAGCTT</b> GTCAGCCAGGCTTATAATGAGTATCC 3'
<i>pGexdsxF</i>	5' <b>CCAAGCTT</b> GGTCCGTTCCACAATTGACATG 3'
<i>pGexdsxM</i>	5' <b>CCAAGCTT</b> GTGTACTTCTAGGTAAACGCAG 3'
<i>DsxSo1</i>	5' TATGCTCATCATCTCACAATAG 3'
<i>dsxMSo</i>	5' TGTA <sup>T</sup> ACTATAGTTGTAGAGTGC 3'
<i>dsxFSo</i>	5' CAACAACCTCAACATATACGAC 3'
<i>rp49.1</i>	5' ATCCGCCACCAGTCGGATC 3'
<i>rp49.2</i>	5' TGGCGCGCTCGACAATCTC 3'
<i>rpl10.1</i>	5' GAGTGCATCCATTCCACGT 3'
<i>rpl10.2</i>	5' GTATTTGACGTTGCAACCGT 3'
<i>yp2Dm1</i>	5' GTCGTTGAGGCCACCATGC 3'
<i>yp2Dm2</i>	5' GGAGTGGTTCGCTCGCATG 3'
<i>M13 Forward</i>	5' GTAAAACGACGGCCAG 3'
<i>M13 Reverse</i>	5' CAGGAAACAGCTATGAC 3'
<i>Oligo d(T)</i>	5' TGC CAC GCT CGA CTA GTA CGT <sub>N22</sub> 3'
<i>T30</i>	5' T <sub>N30</sub> 3'
<i>AnchorT</i>	5' GCCACGCGTCGACTAGTACGT <sub>N22</sub> 3'
<i>Anchor</i>	5' GCCACGCGTCGACTAGTACG 3'

The highlighted black bases indicate the restriction sites used in the construction of the *DScmg* mini-gen and GST fusion proteins of *S. coprophila*.