

**Supplemental Table S1.** Primers for CDS amplification of class E genes

<b>Gene name</b>	<b>Forward primer (5'→3')</b>	<b>Reverse primer (5'→3')</b>
<i>DcSEP1</i>	CGGGGTACCAGTATGGGAAGAGGAA GAGTAGA	GCGTCGACGGTTGTGCCTCAAAGGTAT T
<i>DcSEP3-1</i>	CGGGGTACCATGGGGAGAGGAAGAG TAGAATTG	ACGCGTCGACTCACATTAACCAACCCG TCAT
<i>DcSEP3-2</i>	CGGGGTACCATGGGGAGAGGAAGAG TAGAATTG	ACGCGTCGACTATTCGATATGCTCACG GTAACC
<i>DcSEP4-1</i>	CGGGGTACCATGGGAAGAGGAAGAG TAGAACT	GCGTCGACTTCAGTTCGTGTCAGGTCA TT
<i>DcSEP4-2</i>	CGGGGTACCATGGGGAGAGGAAGAG TAGAGTT	ACGCGTCGACTGAATCAAAGCATCCAT CC
<i>DcSEP4-3</i>	ATGGGAAGAGGAAGAGTAGAAC	TCAAAGCATCCATCCATGG