

**Supplementary Table 1**

**Primers used**

<b>Primer</b>	<b>Sequence 5'-3'</b>
<b>ESAG6</b>	
ESAG6-UPSs	GCTGYYGCCGAAATRGTAATC
ESAG6-DNas	CCRCTRGAAGACTTACGTTAC
ESAG6-287s	CAGTATTGAGGAATGAGTTTAC
ESAG6/7-311s	CCAGCAGGAGTTGGAGGAAATG
ESAG6-652as	CYTCCCATTTCTCCTCG
ESAG6-796s	GGTGATGCTACAGAGTACGG
ESAG6-809as	CGTACTCTGTAGCATCACCGTATTC
ESAG6-1045as	GTTCACTCACTCTCTTTGACAG
<b>ESAG5</b>	
ESAG5-UPSs	CTTYAGTTGCACTTAGTGTAGC
ESAG5-DNas	GGAAAGCAAGATAGGTTTGAGTG
ESAG5-240s	CSGTGTGAGTGTAGAAGAGAC
ESAG5-578as	CGCCAAGCCACTTAGGC
ESAG5-827s	CCTGTTGCTGTTGTTTCTTC
ESAG5-1007as	GTTCGAATGTRGCCTCAGAG
<b>ESAG2</b>	
ESAG2-UPS1s	GGTTGCGCATGCTGTTTAC
ESAG2-UPS2s	ACAAGCTAGAAGTGTTTCT
ESAG2-DN1as	TATACCAAATAGACGCAGC
ESAG2-DN3as	CCAAATAGACGCAGCAACAAAG
ESAG2-371s	GAAACTGTTTGAGAAGGCG
ESAG2-457s	ATGTTGAGAGCTGTGTATGG
ESAG2-871s	AGTTGGACMATGATGGCTG
ESAG2-505as	TTCTTGCCACATCCACAGC
ESAG2-900as	ACTAATCACATCCCATGCC
ESAG2-970as	ACTAATCACATCCCATGC
ESAG2-1088as	TGACACATGTGAATCCCG

\*Degenerate nucleotides Y= C or T, R=A or G, M=A or C, S=G or C.