

**Table S1. Primers used in this study**

<b>Primer name</b>	<b>Primer sequence (5'→3')</b>	<b>Function of underlined bases</b>
OleT-NdeI	GTATTTCC <u>CATATG</u> GCAACACTTAAGAGGGATAAG	<i>Nde</i> I site
OleT-HindIII	CAATGA <u>AAGCTT</u> TTATGTTCTGTCTACAACTTCGC	<i>Hind</i> III site
OleT-F	GCGCC <u>CATATG</u> ATGGCAACACTTAAGAGGGA	<i>Nde</i> I site
OleT-RhFRED-OE	<u>TGACCGGTTGATGCCGGTGCAGCACGAATTCTGTTC</u> TGTCTACAACTTCGCGAACA	overlap sequence for gene fusion
RhFRED-F	<u>GAATTC</u> GTGCTGCACCGGCATCAACCGGTCA	<i>Eco</i> RI site
RhFRED-R	TCCCA <u>AAGCTT</u> TCAGAGTCGCAGGGCCAGCC	<i>Hind</i> III site
FdR-BamHI-F	CGCG <u>GGATCC</u> GATGGCTGATTGGGTAACA	<i>Bam</i> HI site
FdR-SalI-R	CAAC <u>GTCGACT</u> TACCAGTAATGCTCCGC	<i>Sal</i> I site
Fld- BamHI-F	CGCG <u>GGATCC</u> T-ATGGCTATCACTGGCATC	<i>Bam</i> HI site
Fld-SalI-R	CGCG <u>GTCGACT</u> CAGGCATTGAGAATTTC	<i>Sal</i> I site