

Supplementary Table 1: PCR primers for generating *in situ* probes

Primer Name	Sequence (5' – 3')*	Primer Name	Sequence (5' – 3')*
fa08c02.fw. <u>Sp6</u>	TGCTTGCTTGCTTTCCTTGG	fq35g11.fw. <u>Sp6</u>	AAAGCCTGTTGTTCTGGTCC
fa08c02.rv. <u>T7</u>	AAAACCAGATAGGCCGACTC	fq35g11.rv. <u>T7</u>	GGTGAACAGATCTGTGGTAG
fb94e02.fw. <u>Sp6</u>	CCAGCATCCCCCATGTGAAGG	fu20d03.fw. <u>Sp6</u>	ATAAGGAGCACGCATACAGG
fb94e02.rv. <u>T7</u>	GCACGGATAGGACTGCTCTGC	fu20d03.rv. <u>T7</u>	AGACCCAGTGGAAGTGAATG
fc21a11.fw. <u>Sp6</u>	GGAGCTTTGACGACGCACCAG	Rnd3a.fw. <u>Sp6</u>	GTCCCTCAGCCCCGGAATGG
fc21a11.rv. <u>T7</u>	TGCTGCCTCATGTGGACCTGC	Rnd3a.rv. <u>T7</u>	GGTCTGTTGCCACAGCAGCG
fc25c04.fw. <u>Sp6</u>	CCTCACAGACAACCAGGCGG	zgc:55473.fw. <u>Sp6</u>	ACTCCCTCAACTGGATGGCC
fc25c04.rv. <u>T7</u>	TCCACAAGCGCAGACGCAGC	zgc:55473.rv. <u>T7</u>	TGGCCACCAGAACCTCTCTG
fd60d05.fw. <u>Sp6</u>	TTGAGGGTGTTGTGGTGCCG	zgc:63595.fw. <u>Sp6</u>	CCCTCAGCGGGATCTATCAG
fd60d05.rv. <u>T7</u>	CTGGTACAGCACCTCCAGAG	zgc:63595.rv. <u>T7</u>	GAGACAGGTAGGAGCAGAGC
fi31a01.fw. <u>Sp6</u>	GATCTTCCCCTTCCAGTGGC	zgc:63838.fw. <u>Sp6</u>	TGGCCCTGCAGAGAAGGGAG
fi31a01.rv. <u>T7</u>	TCCATCAGCCTGGTGTCTCT	zgc:63838.rv. <u>T7</u>	AGCTGCCTGGCACATCTGCC
fi38h08.fw. <u>Sp6</u>	ACTCCCAGGACAGCAGAGAG	zgc:73231.fw. <u>Sp6</u>	TGCCCCAAAGACTG
fi38h08.rv. <u>T7</u>	TCCCTTACAGGCTTGGCAG	zgc:73231.rv. <u>T7</u>	GGTGGGCTGGATGTT
fl63.b12.x1.fw. <u>Sp6</u>	TGGATAAGAGGGTCTCACAGC	zgc:92484.fw. <u>Sp6</u>	CCCGGAGCTTCAGGCCACAG
fl63.b12.x1.rv. <u>T7</u>	AGACAGTGTGCAAGAAGAGC	zgc:92484.rv. <u>T7</u>	TCCAGACAGATGCGGCCCGC
fl63b12.y1.fw. <u>Sp6</u>	TGAGCCACCTGTTGGGATGTC	zgc:92916.fw. <u>Sp6</u>	GTTATACGGGAAGATGGCTGC
fl63b12.y1.rv. <u>T7</u>	CCCTGCACAGCTAACTGTAGG	zgc:92916.rv. <u>T7</u>	CCGCATACAAACAGGTCCAG
fm69b04.fw. <u>Sp6</u>	AACGTTGTTTTGGATGCACC	zgc:136987.fw. <u>Sp6</u>	GTCGAGCGCTCTGGTTGTGTG
fm69b04.rv. <u>T7</u>	GAGTGTGAATCATGACCTTC	zgc:136987.rv. <u>T7</u>	GCTTCAGCCAGTCCTCAGTC
fo94g05.fw. <u>Sp6</u>	CTGTTGGTGGAGCTGCAGGG	zgc:153275.fw. <u>Sp6</u>	GGTTTGTGTGGGATCCCCGAG
fo94g05.rv. <u>T7</u>	CTGCTGCCTGCCAGACACAG	zgc:153275.rv. <u>T7</u>	TCGCCGGATGATTCTCTCCCG

*forward primers contain the Sp6 polymerase recognition sequence (ATTTAGGTGACACTATAGAA) on the 5' end, while reverse primers contain the T7 polymerase recognition sequence (TAATACGACTCACTATAGGGA) on the 5' end to allow generation of mRNA *in situ* probes directly from the PCR products (polymerase recognition sequences not shown).