

Table S2. DNA and RNA probes used for FISH in this study

A

	Locus	50mer Probe	Chr.
1	TFF1_e	CTCTCCTGACTGCTGCCTCTCATCCCTGGCTCCCAGCGAGGTTCCAGCCC	21
2	GREB1_e1	GAGCTGACCTTGTGGTAGGCACGGGCATGACTGGGCTGGGTGCCCGTTTT	2
3	GREB1_p1.1	GGGGACTTCAAAGACGATGATGAAGTGCACCTTCACCAGAACCTGCATGT	2

B

RNA:DNA FISH Probes

DNA Target Probes

A	TFF1	/56FAM/ GTTGATCCATTCTGCAGGTAAGGAGTTGAGATGCAAACACTTCCCAAGG
B	GREB1	/5Bio/ GTCAATGCCATTCCTTGCAGATCCACTCTCCCCTAAGAACTGTTCTGG

RNA Target Probes

C	TFF1 1-2 50	/5Bio/ TCACGGGGGGCCACTGTACACGTCTGTCTGGCCTCGGCCAGGGTGCC
D	TFF1 2-3 50	/5Bio/ AGAAGTGTCTAAAATTCACACTCCTTCTGGAGGGACGTCGATGGTATT
E	GREB1 1-2 50	/56FAM/ CTTACAAAAAGCTGGTCACTTCAGGGGGTGGCTGTCCTCAGCTGCAGCTA
F	GREB1 2-3 50	/56FAM/ TCCTCATTGTCCACTCGGCTACCACCTTCTAGAGCGGCAAGCTGCTGCTC

(A) List of oligonucleotide probes for FISH. (B) List of probes designed for simultaneous RNA:DNA FISH. The moiety at 5' end of each probe is indicated in color. Also note that the RNA probes are designed against specific exon/exon junctions to minimize the cross-hybridization with the corresponding DNA sequences.