

Supplementary Table 1

List of primers used for FISH probes

Gene name	Gene ID (echinobase)	Forward	Reverse
<i>SpHnf</i>	008196	5'-CCGAATACAGCCCACAAGAT-3'	5'-CGATGGTAGTTTTCGTGCTCA-3'
<i>SpPtf1a</i>	015953	5'-GAATGTCTTCGAACCCCTCA-3';	5'-TACTGTTTTGGGTCCCCTTG-3'
<i>SpMist</i>	027623	5'-TGTCTTGGAGCCAGTTCGAC-3'	5'-GCTCGTCATTGAGATCATCG-3'
<i>SpCpa2L</i>	015178.3	5'-CCGGACGATAGTTTCTTCAA-3'	5'-TGTTTGCAGAGTGCCTTGAC-3'
<i>SpPnlp2/5</i>	012906 015110	5'-CCTGTTGGTATTTTTCCTTACCC-3'	5'-GGTAACTAGTCCGCCATGC-3'
<i>SpAmy3</i>	014671	5'-AAGATTTTTGGGGCCTTACG-3'	5'-TTGGAGATGTGGGCACAGTA-3'
<i>SpFng</i>	004621	5'-ATGGCAGGAAAACAAACAGG-3'	5'-GTGGCTGGACAGTTTCCATT-3'

List of primers used for qPCR analysis

Gene name	Forward	Reverse
SpUbi	5'-CACAGGCAAGACCATCACAC-3'	5'-GAGAGAGTGCGACCATCCTC-3'
SpPtf1a	5'-GAATGTCTTCGAACCCCTCA-3'	5'-GATGACATCCGCTTCCTCTC-3'
SpMist	5'-ATGTGAATCTTCGACCGGGT-3'	5'-GGCATCGTTAAGTGTGTGCA-3'
SpHnf	5'-CCGAATACAGCCCACAAGAT-3'	5'-TGCGAGAGATGTGATTGGTT-3'
SpCpa2L	5'-CAGCGATGTGACTGAGATCC-3'	5'-GATCTACTCCTCGGCAAACG-3'
SpPnlp2/5	5'-GACGTCATACACACCGATGC-3'	5'-ATGACTGCATCCCGAGAAGA-3'
SpAmy3	5'-TGAAATGTTGACGAGGTGA-3'	5'-TTGGAGATGTGGGCACAGTA-3'
SpFng_	5'-GCTGATGAAGTTACTCAGGCAGT-3'	5'-AGCTAGTGCCTTGCTGATGC-3'