

**Supplementary data 3.** Sequences of the probes used for miR-199a-5p detection by FISH. Oligonucleotide probe sequences complementary to miR-199a-5p and negative control mimics with no complementary targets. Probes are composed of the combination of 2'-O-methyl (I I) and LNA ({} ) nucleotides designed following the method from S  e et al. 2011).

Probe	Sequence
Negative control	5'- DIG - [G]{T}[GU]{AC}[A][CG]{T}[CU]{A}[UA]{C} [GC]{C}[C][CA] - 3'
miR-199a-5p	5'-DIG - {G}[AA]{C}[AG]{G}[UA]{G}[UC]{T}[GA]{A} [CA]{C}[UG]{GG} - 3'