Additional File 5. Example of high frequency of miRNA sequence variations (isomiRs).

ssc-miR-205 → **IsomiR matching the genome**

Pre-ssc-miR-205 ▼

CTCTTG**TCCTTCATTCCACCGGAGTCTG**TCTCATACCCAACCA**GATTTCAGTGGAGTGAAGCTCA*GGA***GGCGTGGAGCTGACACCGCAGCAGA

TCCTTCATTCCACCGGAG(62)
TCCTTCATTCCACCGGAGT(106)
TCCTTCATTCCACCGGAGTC(182)
TCCTTCATTCCACCGGAGTCT(1991)
TCCTTCATTCCACCGGAGTCTG(3477) → miRBase reference sequence
TCCTTCATTCCACCGGAGTCTGT(4453) → most common sequence
CCTTCATTCCACCGGAGTC(1)
CCTTCATTCCACCGGAGTCT(1)
CCTTCATTCCACCGGAGTCTG(2)
CTTCATTCCACCGGAGTC(4)
CTTCATTCCACCGGAGTCT(10)
CTTCATTCCACCGGAGTCTG(21)
CTTCATTCCACCGGAGTCTGT(18)
TTCATTCCACCGGAGTCT(3)
TTCATTCCACCGGAGTCTG(1)
TTCATTCCACCGGAGTCTGT(1)
TCATTCCACCGGAGTCTG(2)

Novel miRNA* isomiR

GATTTCAGTGGAGTGAAGC(6)
GATTTCAGTGGAGTGAAGCT(30)
GATTTCAGTGGAGTGAAGCTC(26)
GATTTCAGTGGAGTGAAGCTCAG(2)
ATTTCAGTGGAGTGAAGCT(2)
ATTTCAGTGGAGTGAAGCTCA(1)
TTTCAGTGGAGTGAAGCTC(1)
TTTCAGTGGAGTGAAGCTCAGGA(1)
GGAGGCGTGGAGCTGACACCGCAGCAGA(2)