

Table S6 The mRNA and miRNA profile in the comparison by STEM analysis.

RNA ID-Profile15	MT25-M	MT50-M	MT100-M	Note
<i>cyp2j2</i>	-0.06	1.83	2.21	cytochrome P450 2J2-like
<i>pcyt1b</i>	-0.11	1.48	1.43	choline-phosphate cytidyltransferase B-like
<i>anpep</i>	-0.63	1.95	2.16	aminopeptidase N-like
<i>ptgds</i>	-0.24	1.11	1.33	prostaglandin-H2 D-isomerase-like
<i>hsd11b1l</i>	-0.03	1.5	1.74	11-beta-hydroxysteroid dehydrogenase-like protein
<i>adh5</i>	-0.14	1.41	1.81	alcohol dehydrogenase
<i>gapdh</i>	-0.36	1.33	1.21	Gapdh protein, partial
<i>spaml</i>	0.18	1.66	2.14	hyaluronidase PH-20-like
<i>acp5</i>	-0.78	0.84	0.81	tartrate-resistant acid phosphatase type 5-like
<i>gstz1</i>	-0.08	1	0.98	glutathione S-transferase zeta
<i>bhmt</i>	-0.19	1.44	1.35	Bhmt protein
<i>gys2</i>	-0.11	1.21	0.84	glycogen [starch] synthase, liver-like
<i>pygl</i>	-0.45	1.32	1.35	glycogen phosphorylase, liver form-like
<i>lipc</i>	-0.32	1.66	2.15	hepatic triacylglycerol lipase isoform X1
<i>agmat</i>	0.01	1.01	1.29	agmatinase, mitochondrial
<i>hao1</i>	-0.3	1.45	1.62	hydroxyacid oxidase 1
<i>pkm</i>	-0.03	1.52	0.81	pyruvate kinase
<i>cbs</i>	0.08	1.12	1.44	cystathionine beta-synthase-like
<i>kynu</i>	0.01	1.92	1.84	kynureninase-like isoform X1
<i>acmsd</i>	-0.23	1.09	1.41	2-amino-3-carboxymuconate-6-semialdehyde decarboxylase-like isoform X1
<i>ftcd</i>	-0.5	1.14	1.3	formimidoyltransferase-cyclodeaminase-like
<i>uox</i>	-0.17	0.92	1.29	uricase-like
<i>msmo1</i>	0.19	1.28	1.4	methylsterol monooxygenase 1 isoform X1
<i>kmo</i>	-0.09	0.82	1.01	kynurenine 3-monooxygenase
<i>ugt2b20</i>	-0.03	1.66	1.66	UDP-glucuronosyltransferase 2B15-like isoform X1
<i>grhpr</i>	-0.21	1.28	1.47	glyoxylate reductase/hydroxypyruvate reductase-like
<i>tdo2a</i>	-0.5	1.32	1.14	Tdo2 protein
<i>hpd</i>	-0.2	1.49	1.78	4-hydroxyphenylpyruvate dioxygenase
<i>ugt2a2</i>	0.25	1.16	1.45	UDP-glucuronosyltransferase 2A2
<i>dpys</i>	0.23	1.74	2.01	dihydropyrimidinase

<i>pah</i>	-0.09	1.42	1.5	phenylalanine-4-hydroxylase
<i>ldhbb</i>	-0.55	1.48	0.99	L-lactate dehydrogenase B-B chain
<i>cyp27a1</i>	0.1	0.88	1.18	sterol 26-hydroxylase, mitochondrial-like
<i>gamt</i>	-0.59	1.01	0.82	guanidinoacetate N-methyltransferase
<i>tat</i>	0.54	2.24	2.25	tyrosine aminotransferase isoform X1
<i>pck1</i>	-0.3	1.03	1.01	phosphoenolpyruvate carboxylase
<i>pla2g12b</i>	-0.29	1.82	1.41	group XIIB secretory phospholipase A2-like protein isoform X1
<i>sds</i>	-0.37	0.79	0.83	serine dehydratase-like
<i>fah</i>	-0.17	0.98	0.81	fumarylacetoacetase-like
<i>anpep</i>	0.48	2.8	2.44	aminopeptidase N-like
<i>agxt2</i>	-0.18	0.81	1.07	alanine--glyoxylate aminotransferase 2, mitochondrial-like isoform X1
<i>scp2</i>	0.15	0.98	1.17	non-specific lipid-transfer protein isoform X2
<i>hgd</i>	-0.18	0.94	1.23	homogentisate 1,2-dioxygenase-like isoform X1
<i>me3</i>	-0.72	0.87	0.88	NADP-dependent malic enzyme-like
<i>aldob</i>	0.03	1.79	1.91	fructose-bisphosphate aldolase B-like
<i>upb1</i>	-0.04	1.18	1.5	beta-ureidopropionase
<i>gpt2l</i>	0.18	1.11	1.24	alanine aminotransferase 2-like isoform X1
<i>hmgcr</i>	-0.18	0.78	0.95	3-hydroxy-3-methylglutaryl-coenzyme A reductase
<i>tdo2b</i>	-0.38	1.17	1.39	tryptophan 2,3-dioxygenase B isoform X2
<i>cda</i>	-0.54	1.38	1.49	cytidine deaminase-like
<i>anpep</i>	0.34	5.6	3.05	aminopeptidase N protein
<i>haao</i>	-0.68	1.19	1.58	3-hydroxyanthranilate 3,4-dioxygenase
<b>miRNA ID-Profile5</b>				
<i>mir-9-x</i>	-0.89	0.48	0.36	
<i>mir-7133-y</i>	-2.14	0.05	0.16	
<i>mir-551-y</i>	-1.64	0.02	-0.27	
<i>mir-409-x</i>	-1.78	0.6	-0.64	
<i>mir-3963-x</i>	-4.23	2.5	-0.16	
<i>mir-409-y</i>	-6.19	1.27	-0.9	
<i>mir-335-x</i>	-4.23	3.14	2.04	
<i>mir-4968-y</i>	-5.74	1.12	0.54	
<i>mir-2422-x</i>	-4.59	1.49	1.95	

**miRNA ID-Profile11**

<i>mir-215-x</i>	-0.42	1.72	0.42
<i>mir-459-x</i>	-1.73	2.45	0.18
<i>mir-459-y</i>	-1.33	2.91	-1.67
<i>mir-4792-x</i>	0	5.96	0
<i>mir-279-y</i>	0	6.7	0
<i>mir-1966-x</i>	0	6.14	0

**miRNA ID-Profile12**

<i>mir-192-x</i>	-0.3	1.62	0.7
<i>mir-194-x</i>	-0.33	1.41	0.74
<i>mir-31-x</i>	-0.25	0.99	0.61
<i>mir-192-z</i>	0.04	1.65	1.13
<i>mir-72-x</i>	-0.35	0.9	0.63
<i>mir-722-y</i>	-0.48	0.98	0.76
<i>mir-122-y</i>	-0.32	1.01	0.61
<i>mir-9083-x</i>	-1.25	2.93	1.34
<i>mir-733-x</i>	-0.53	1.33	1.21

**miRNA ID-Profile13**

<i>mir-133-z</i>	0.67	0.11	-0.82	
<i>soat2</i>	-0.71	1.36	1.28	sterol O-acyltransferase 2-like isoform X1
<i>inhbb</i>	-1.08	1.42	1.23	inhibin beta B chain-like
<i>ihhb</i>	-0.14	1.46	1.89	indian hedgehog B protein-like isoform X1
<i>gadm</i>	0.04	1.55	1.36	glycine amidinotransferase, mitochondrial
<i>faxdc2</i>	-0.42	1.21	1.43	fatty acid hydroxylase domain-containing protein 2
<i>ebp</i>	-0.39	1.22	1.72	3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase
<i>cyp1a1</i>	-0.34	1.66	1.37	cytochrome P450 1a
<i>miR-122-x</i>	-0.41	1.12	1.02	
<i>miR-574-x</i>	-2.08	-0.28	-0.3	
<i>miR-430-y</i>	-0.37	1.07	-0.27	
<i>miR-217-x</i>	-0.91	0.94	-0.45	
<i>lin-4-x</i>	0.56	0.19	-0.72	
<i>miR-7-y</i>	0.27	-0.93	-2.33	