

Supplementary Table 1. Stepwise *in vitro* differentiation into pancreatic islet with media formulation and details of growth factors and cytokines for each stage.

Differentiation stage	Duration	Media	Supplement	Cytokines
Definitive Endoderm (DE) Stage 1	3 days	MCDB 131	1% Pen/Strep 1% L-Glutamine 0.5% Fatty acid free BSA 1.5 g/l NaHCO ₃ 10 mmol/l D-Glucose	0-24h: 1 μ M Y-27632 2 μ M CHIR99021 24h-72h: 100 ng/ml Activin A 0.25 mmol/l Vitamin C
Primitive gut tube (PGT) Stage 2	2 days	MCDB 131	1% Pen/Strep 1% L-Glutamine 0.5% Fatty acid free BSA 1.5 g/l NaHCO ₃ 10 mmol/l D-Glucose	50 ng/ml FGF-10 0.75 μ M Dorsomorphin 3 ng/ml WNT-3a 0.25 mmol/l Vitamin C
Posterior foregut (PF) Stage 3	2 days	DMEM	1% Pen/Strep 4.5 g/l Glucose 110 mg/l Sodium pyruvate	50 ng/ml FGF-10 200 nM LDN193189 0.25 μ M SANT-1 2 μ M Retinoic acid 0.25 mmol/l Vitamin C 1% B27 w/o Vitamin A
Pancreatic progenitors (PPs) Stage 4	4 days	DMEM	1% Pen/Strep 4.5 g/L Glucose 110 mg/l Sodium pyruvate	100 ng/ml EGF 10 mmol/l Nicotinamide 200 nM LDN193189 0.25 mmol/l Vitamin C 1% B27 w/o Vitamin A
Endocrine progenitors (EPs) Stage 5	7 days	MCDB 131	1% Pen/Strep 1% L-Glutamine 2% Fatty acid free BSA 1.754 g/l NaHCO ₃ 3.6 g/l Glucose 1:200 ITS-X100 10 mg/l Heparin	Days 1-4: 0.25 μ M SANT-1 Days 1-7: 20 ng/ml Betacellulin 1 μ M G-Secretase inhibitor 1 μ M T3 10 μ M ALK5 inhibitor II 0.25 mmol/l Vitamin C 0.1 μ M Retinoic acid
Pancreatic Islets Stage 6	7-14 days	MCDB 131	1% Pen/Strep 1% L-Glutamine 2% Fatty acid free BSA 1.23 g/l NaHCO ₃ 0.45 g/l Glucose 1:200 ITS-X100	0.25 mmol/l Vitamin C

Supplementary Table 2. List of used RT-qPCR primers and assays.

miRNA Assays		
miRNA PCR Assay		Assay ID
hsa-miR-122-5p		YP00205664
hsa-miR-194-5p		YP00204080
hsa-miR-184		YP00204601
hsa-miR-9-5p		YP00204513
hsa-miR-7-5p		YP02119317
hsa-miR-139-5p		YP00205874
hsa-miR-95-3p		YP00204288
hsa-miR-338-3p		YP00204719
hsa-miR-29c-3p		YP00204729
hsa-miR-452-5p		YP00204301
hsa-miR-378d		YP02100497
hsa-miR-1-3p		YP00204344
hsa-miR-409-3p		YP00204358
hsa-miR-9-3p		YP00204620
hsa-miR-215-5p		YP00204598
lncRNA primer list		
lncRNA	Forward Primer	Reverse Primer
<i>FEZF1-AS1</i>	GAACCGAGTCTGGACCATTAG	AACACAGAACAAGCCTCCTAAG
<i>MIAT</i>	TCTTCATGTCAGAACACGCTTTA	AAGGTCACCCGAGGTCCAA
<i>LINC01614</i>	AACCAAGAGCGAAGCCAAGA	GCTTGGACACAGACCCTAGC
<i>DLX6-AS1</i>	AGTTTCTCTCTAGATTGCCTT	ATTGACATGTTAGTGCCCTT
<i>LINC00461</i>	GACATTTACGCCACAACCCACG	AGACAGACCCTCAGATTCCCCA
<i>LINC00645</i>	CACCAAGGCTTTGCTTGTATC	GTGAGGAATAGAGGGAGAAAGTG
<i>LINC01133</i>	GATGGATTCTCCCATTCCATACC	CCCTATGCCCTCAAACCAAA
<i>MGAT3-AS1</i>	GTAGACCATGACACCCAGCA	CCATCCAGGGAAGATGGAG
<i>GATA2-AS1</i>	GGGCAGCTTACGATTCTTCA	GCGGTGTCTTTCAGAGGGTC
<i>LINC00540</i>	CCAGCCCTCTTAACAACGGT	TGCGTTTCAGCCATGAGAGT
<i>LINC02535</i>	GGAATGGCAGAGTCGTGTAATA	GGAAGGAGGTGAGGCATAAAT
<i>GAPDH</i>	ACGACCACTTTGTCAAGCTCATTTC	GCAGTGAGGGTCTCTCTCTTCCTCT

Supplementary Table 3. Top dysregulated DEmiRs in *RFX3* KO islets compared with WT-islets ($\log_2$ fold change > 0.5 or < -0.5 , $p < 0.05$).

miRNA ID	$\log_2$ fold change	<i>p</i> -value
Upregulated DEmiRs		
<i>miR-451a</i>	2.055	0.0022
<i>miR-215-5p</i>	1.386	0.0237
<i>miR-215-3p</i>	1.364	0.0286
<i>miR-122-5p</i>	1.362	0.0014
<i>miR-338-3p</i>	1.320	0.0386
<i>miR-194-5p</i>	1.263	0.0138
<i>miR-192-5p</i>	1.246	0.0192
<i>miR-4455</i>	1.164	0.0003
<i>miR-3131</i>	1.140	0.0004
<i>miR-338-5p</i>	1.130	0.0314
<i>miR-194-3p</i>	1.054	0.0086
<i>miR-616-5p</i>	1.044	0.0001
<i>miR-378c</i>	1.007	0.0254
<i>miR-224-3p</i>	0.976	0.0005
<i>miR-6887-3p</i>	0.972	0.0217
<i>miR-29c-3p</i>	0.946	0.0155
<i>miR-224-5p</i>	0.914	0.0002
<i>miR-452-5p</i>	0.911	0.0100
<i>miR-4705</i>	0.904	0.0233
<i>miR-676-3p</i>	0.899	0.0079
<i>miR-625-5p</i>	0.834	0.0026
<i>miR-378d</i>	0.828	0.0284
<i>miR-509-3p</i>	0.802	0.0219
<i>miR-5699-5p</i>	0.800	0.0034
<i>miR-676-5p</i>	0.719	0.0052
<i>miR-4521</i>	0.709	0.0020
<i>miR-508-3p</i>	0.677	0.0271
<i>miR-378a-3p</i>	0.676	0.0069
<i>miR-6758-3p</i>	0.669	0.0201
<i>miR-378g</i>	0.664	0.0007
<i>miR-378a-5p</i>	0.658	0.0098
<i>miR-34b-3p</i>	0.624	0.0069
<i>miR-509-5p</i>	0.624	0.0316
<i>miR-627-3p</i>	0.620	0.0217
<i>miR-6842-3p</i>	0.573	0.0081
<i>miR-636</i>	0.571	0.0363
<i>miR-29b-2-5p</i>	0.556	0.0080
<i>miR-7976</i>	0.546	0.0471
<i>miR-4728-3p</i>	0.545	0.0467
<i>miR-31-5p</i>	0.538	0.0014
<i>miR-3934-5p</i>	0.535	0.0029
<i>miR-378f</i>	0.530	0.0198

<i>miR-502-3p</i>	0.527	0.0171
<i>miR-660-3p</i>	0.527	0.0287
<i>miR-766-5p</i>	0.512	0.0130
<i>miR-378e</i>	0.505	0.0022
<i>miR-130a-3p</i>	0.501	0.0245
Downregulated DEmiRs		
miRNA ID	log₂ fold change	p-value
<i>miR-9-5p</i>	-2.356	0.0307
<i>miR-9-3p</i>	-2.261	0.0312
<i>miR-7-5p</i>	-1.957	0.0001
<i>miR-1251-5p</i>	-1.632	0.0072
<i>miR-135a-2-3p</i>	-1.588	0.0027
<i>let-7i-5p</i>	-1.553	0.0028
<i>miR-92b-3p</i>	-1.540	0.0173
<i>miR-495-3p</i>	-1.526	0.0291
<i>miR-134-5p</i>	-1.462	0.0131
<i>miR-409-3p</i>	-1.457	0.0335
<i>let-7c-3p</i>	-1.428	0.0016
<i>miR-381-3p</i>	-1.373	0.0094
<i>miR-139-5p</i>	-1.373	0.0054
<i>miR-133a-3p</i>	-1.371	0.0019
<i>miR-92b-5p</i>	-1.353	0.0130
<i>miR-494-3p</i>	-1.305	0.0082
<i>miR-219a-1-3p</i>	-1.302	0.0124
<i>miR-129-5p</i>	-1.291	0.0328
<i>miR-216a-3p</i>	-1.282	0.0024
<i>miR-411-3p</i>	-1.273	0.0053
<i>miR-485-3p</i>	-1.271	0.0268
<i>miR-654-3p</i>	-1.269	0.0211
<i>miR-543</i>	-1.265	0.0476
<i>miR-323a-3p</i>	-1.230	0.0177
<i>miR-95-3p</i>	-1.222	0.0029
<i>miR-548ah-5p</i>	-1.202	0.0044
<i>miR-217-5p</i>	-1.146	0.0069
<i>miR-132-3p</i>	-1.145	0.0001
<i>miR-125b-1-3p</i>	-1.138	0.0152
<i>let-7c-5p</i>	-1.134	0.0051
<i>miR-127-3p</i>	-1.129	0.0015
<i>miR-135a-5p</i>	-1.122	0.0377
<i>miR-412-5p</i>	-1.115	0.0250
<i>miR-548ah-3p</i>	-1.112	0.0184
<i>miR-145-5p</i>	-1.110	0.0496
<i>miR-1-3p</i>	-1.097	0.0167
<i>miR-323b-3p</i>	-1.081	0.0134
<i>miR-758-3p</i>	-1.078	0.0023
<i>miR-216b-5p</i>	-1.071	0.0025
<i>miR-411-5p</i>	-1.066	0.0331
<i>miR-409-5p</i>	-1.066	0.0108
<i>miR-410-3p</i>	-1.062	0.0308
<i>miR-370-3p</i>	-1.049	0.0002
<i>miR-216b-3p</i>	-1.032	0.0039
<i>miR-135a-3p</i>	-1.018	0.0099

<i>miR-1185-1-3p</i>	-1.016	0.0141
<i>let-7d-3p</i>	-0.994	0.0306
<i>miR-1468-5p</i>	-0.974	0.0001
<i>miR-889-3p</i>	-0.972	0.0389
<i>miR-3663-5p</i>	-0.966	0.0217
<i>miR-668-3p</i>	-0.961	0.0237
<i>miR-133b</i>	-0.951	0.0095
<i>miR-143-5p</i>	-0.949	0.0381
<i>let-7b-5p</i>	-0.932	0.0009
<i>miR-487b-3p</i>	-0.927	0.0385
<i>miR-935</i>	-0.926	0.0262
<i>miR-329-3p</i>	-0.920	0.0346
<i>miR-431-5p</i>	-0.920	0.0143
<i>miR-212-5p</i>	-0.920	0.0017
<i>miR-7974</i>	-0.907	0.0084
<i>miR-184</i>	-0.889	0.0338
<i>let-7d-5p</i>	-0.876	0.0338
<i>miR-217-3p</i>	-0.823	0.0059
<i>miR-132-5p</i>	-0.821	0.0100
<i>miR-129-1-3p</i>	-0.816	0.0208
<i>miR-143-3p</i>	-0.816	0.0380
<i>miR-7156-5p</i>	-0.805	0.0004
<i>miR-1251-3p</i>	-0.802	0.0226
<i>let-7b-3p</i>	-0.773	0.0089
<i>miR-6845-3p</i>	-0.773	0.0010
<i>miR-377-3p</i>	-0.769	0.0147
<i>miR-136-3p</i>	-0.750	0.0279
<i>miR-1224-3p</i>	-0.744	0.0281
<i>miR-154-5p</i>	-0.732	0.0253
<i>miR-504-5p</i>	-0.728	0.0014
<i>miR-485-5p</i>	-0.691	0.0420
<i>miR-1197</i>	-0.664	0.0466
<i>miR-1276</i>	-0.654	0.0086
<i>miR-181a-3p</i>	-0.619	0.0165
<i>miR-6740-3p</i>	-0.615	0.0473
<i>miR-3177-3p</i>	-0.614	0.0078
<i>miR-5006-3p</i>	-0.613	0.0140
<i>miR-1226-5p</i>	-0.587	0.0387
<i>miR-487a-5p</i>	-0.585	0.0149
<i>let-7e-3p</i>	-0.580	0.0388
<i>miR-133a-5p</i>	-0.576	0.0210
<i>miR-3938</i>	-0.572	0.0199
<i>miR-491-3p</i>	-0.563	0.0063
<i>miR-887-5p</i>	-0.560	0.0298
<i>miR-2682-5p</i>	-0.522	0.0327
<i>let-7e-5p</i>	-0.517	0.0390
<i>miR-6871-5p</i>	-0.511	0.0414

Supplementary Table 4. Top dysregulated DElncRNAs in *RFX3* KO islets compared with WT-islets ($\log_2$ fold change > 0.5 or < -0.5 , $p < 0.05$).

lncRNA ID	Ensemble ID	$\log_2$ fold change	p -value
Downregulated DElncRNAs			
<i>UCA1</i>	ENSG00000214049	-3.442	3.27E-03
<i>MIR7-3HG</i>	ENSG00000176840	-2.646	4.12E-09
<i>RMST</i>	ENSG00000255794	-1.792	2.13E-06
<i>LINC01896</i>	ENSG00000263146	-1.763	1.54E-05
<i>LINC01833</i>	ENSG00000259439	-1.653	4.91E-04
<i>MIR9-3HG</i>	ENSG00000255571	-1.590	6.08E-05
<i>FEZF1-AS1</i>	ENSG00000230316	-1.473	1.16E-04
<i>AC011139.1</i>	ENSG00000283458	-1.473	3.08E-03
<i>MIAT</i>	ENSG00000225783	-1.450	6.80E-05
<i>AL391069.3</i>	ENSG00000237976	-1.414	2.41E-04
<i>AL138930.1</i>	ENSG00000234425	-1.403	1.88E-03
<i>LINC02106</i>	ENSG00000251573	-1.236	1.20E-03
<i>AL353150.1</i>	ENSG00000224945	-1.167	4.53E-04
<i>LINC01614</i>	ENSG00000230838	-1.166	2.27E-02
<i>DLX6-AS1</i>	ENSG00000231764	-1.157	5.94E-04
<i>AL133415.1</i>	ENSG00000234961	-1.155	1.28E-03
<i>AL592166.1</i>	ENSG00000225721	-1.149	4.80E-04
<i>DNAAF4-CCPG1</i>	ENSG00000261771	-1.144	4.57E-02
<i>C1orf61</i>	ENSG00000125462	-1.122	5.44E-04
<i>C5orf38</i>	ENSG00000186493	-1.122	1.67E-04
<i>AC009955.4</i>	ENSG00000269068	-1.105	1.45E-02
<i>AP006284.1</i>	ENSG00000254815	-1.097	3.61E-02
<i>LINC00461</i>	ENSG00000245526	-1.095	2.75E-04
<i>AL133523.1</i>	ENSG00000258982	-1.089	6.39E-03
<i>AC020916.1</i>	ENSG00000267519	-1.075	3.81E-04
<i>MIR4458HG</i>	ENSG00000247516	-1.059	1.64E-08
<i>AC137630.3</i>	ENSG00000272434	-1.035	1.69E-02
<i>AL138976.2</i>	ENSG00000259775	-1.016	2.17E-03
<i>LINC01311</i>	ENSG00000260924	-1.007	5.91E-04
<i>LINC00865</i>	ENSG00000232229	-1.007	6.03E-10
<i>SOX1-OT</i>	ENSG00000224243	-1.004	4.84E-05
<i>AC087239.1</i>	ENSG00000278743	-1.000	5.15E-04
<i>AC027796.4</i>	ENSG00000262903	-0.999	1.42E-02
<i>AC080038.1</i>	ENSG00000274565	-0.996	3.55E-05
<i>AC093484.3</i>	ENSG00000265401	-0.984	1.55E-04
<i>AL354733.3</i>	ENSG00000235298	-0.982	1.09E-02
<i>LINC00654</i>	ENSG00000205181	-0.977	9.49E-09
<i>AC044849.1</i>	ENSG00000272256	-0.974	1.67E-03
<i>CR559946.2</i>	ENSG00000279182	-0.972	3.99E-03
<i>AC123912.4</i>	ENSG00000268555	-0.968	4.29E-02
<i>AL031714.1</i>	ENSG00000261505	-0.958	6.04E-03
<i>AP006621.1</i>	ENSG00000255108	-0.939	8.31E-05

<i>AC013275.1</i>	ENSG00000231013	-0.935	3.63E-03
<i>AL022238.3</i>	ENSG00000272834	-0.934	1.69E-03
<i>AC009041.2</i>	ENSG00000260807	-0.927	4.54E-03
<i>AL390719.2</i>	ENSG00000272141	-0.923	1.52E-02
<i>AL732314.6</i>	ENSG00000281849	-0.911	3.96E-03
<i>AGAP2-AS1</i>	ENSG00000255737	-0.904	1.40E-06
<i>LINC01370</i>	ENSG00000237767	-0.896	2.20E-07
<i>AC026124.2</i>	ENSG00000276853	-0.893	1.50E-02
<i>AL031600.1</i>	ENSG00000260051	-0.889	1.49E-02
<i>AL731571.1</i>	ENSG00000273599	-0.889	5.20E-03
<i>AC245884.9</i>	ENSG00000268496	-0.888	1.75E-02
<i>LINC01315</i>	ENSG00000229891	-0.887	9.47E-03
<i>PTOV1-AS2</i>	ENSG00000269352	-0.885	1.74E-02
<i>AL390208.1</i>	ENSG00000271730	-0.883	4.38E-02
<i>FGF14-AS2</i>	ENSG00000272143	-0.877	6.72E-04
<i>AC006435.2</i>	ENSG00000263345	-0.877	1.90E-03
<i>AL031429.2</i>	ENSG00000269933	-0.877	8.89E-04
<i>LINC00992</i>	ENSG00000248663	-0.866	1.32E-03
<i>AL121832.2</i>	ENSG00000273619	-0.865	3.03E-03
<i>AL606534.1</i>	ENSG00000227230	-0.863	4.55E-02
<i>MIR1-1HG-AS1</i>	ENSG00000174403	-0.863	4.24E-03
<i>LINC00115</i>	ENSG00000225880	-0.862	3.05E-03
<i>AC110285.2</i>	ENSG00000262877	-0.853	1.07E-02
<i>AL139246.5</i>	ENSG00000272449	-0.853	2.47E-03
<i>AL021807.1</i>	ENSG00000272468	-0.852	3.90E-02
<i>AC004908.2</i>	ENSG00000272812	-0.849	6.23E-03
<i>AL158152.1</i>	ENSG00000269929	-0.847	1.83E-03
<i>AC099509.1</i>	ENSG00000249746	-0.830	3.15E-02
<i>AC244197.2</i>	ENSG00000238039	-0.817	3.29E-02
<i>AC008522.1</i>	ENSG00000279232	-0.814	2.67E-02
<i>HOTAIRM1</i>	ENSG00000233429	-0.798	2.00E-03
<i>AC010331.1</i>	ENSG00000277383	-0.797	3.12E-02
<i>LINC01139</i>	ENSG00000215808	-0.795	7.79E-05
<i>MIR503HG</i>	ENSG00000223749	-0.794	7.16E-03
<i>AL353801.3</i>	ENSG00000273363	-0.791	5.89E-03
<i>AL450311.2</i>	ENSG00000236154	-0.787	5.06E-03
<i>AL139089.1</i>	ENSG00000273723	-0.787	2.44E-03
<i>AC010273.2</i>	ENSG00000250237	-0.774	2.32E-02
<i>SEC62-AS1</i>	ENSG00000240373	-0.774	4.39E-02
<i>AL031963.3</i>	ENSG00000272277	-0.773	1.49E-02
<i>AC009005.1</i>	ENSG00000267751	-0.771	2.15E-03
<i>SNHG19</i>	ENSG00000260260	-0.771	2.12E-03
<i>AC234582.1</i>	ENSG00000231064	-0.771	2.43E-03
<i>AC132192.2</i>	ENSG00000268403	-0.769	3.31E-03
<i>NFYC-AS1</i>	ENSG00000272145	-0.769	3.90E-05
<i>AC134312.5</i>	ENSG00000261327	-0.764	3.26E-04

<i>AP000757.2</i>	ENSG00000254844	-0.758	1.24E-02
<i>AC003986.1</i>	ENSG00000229533	-0.757	1.41E-03
<i>AC124016.1</i>	ENSG00000272677	-0.751	1.63E-02
<i>MIR124-2HG</i>	ENSG00000254377	-0.741	1.55E-02
<i>PCBP2-OT1</i>	ENSG00000282977	-0.740	1.01E-02
<i>AC017116.1</i>	ENSG00000239775	-0.738	3.18E-02
<i>STAG3L5P-PVRIG2P-PILRB</i>	ENSG00000272752	-0.734	2.15E-02
<i>CYMP-AS1</i>	ENSG00000235407	-0.732	7.64E-03
<i>AC124312.3</i>	ENSG00000261069	-0.731	4.18E-02
<i>AC067773.1</i>	ENSG00000270866	-0.731	5.57E-03
<i>AC103706.1</i>	ENSG00000261220	-0.722	4.91E-02
<i>JAKMIP2-AS1</i>	ENSG00000280780	-0.719	1.83E-03
<i>ELN-AS1</i>	ENSG00000232415	-0.717	2.06E-02
<i>AL137802.2</i>	ENSG00000261135	-0.717	9.04E-03
<i>AC084018.2</i>	ENSG00000274292	-0.715	4.29E-02
<i>AJ271736.1</i>	ENSG00000270726	-0.708	3.78E-03
<i>AL121928.1</i>	ENSG00000273262	-0.705	1.01E-02
<i>AC007497.1</i>	ENSG00000275191	-0.704	1.83E-02
<i>AC010478.1</i>	ENSG00000259663	-0.704	3.26E-06
<i>AC139256.2</i>	ENSG00000270580	-0.701	7.71E-03
<i>AL391244.2</i>	ENSG00000225905	-0.700	9.20E-05
<i>SLC12A9-AS1</i>	ENSG00000236305	-0.697	6.12E-03
<i>KC877982.1</i>	ENSG00000269993	-0.696	2.26E-02
<i>AL139393.2</i>	ENSG00000272841	-0.696	1.49E-04
<i>AC005224.4</i>	ENSG00000266709	-0.695	1.90E-02
<i>AC106820.3</i>	ENSG00000260095	-0.695	4.27E-02
<i>BX664727.3</i>	ENSG00000240240	-0.694	6.65E-03
<i>AC034236.2</i>	ENSG00000271918	-0.692	2.04E-04
<i>FGF12-AS2</i>	ENSG00000230126	-0.689	1.68E-02
<i>SNHG9</i>	ENSG00000255198	-0.688	3.21E-03
<i>UNC5B-AS1</i>	ENSG00000237512	-0.688	2.61E-02
<i>AC012615.1</i>	ENSG00000261526	-0.684	4.96E-06
<i>LINC01014</i>	ENSG00000223941	-0.681	4.24E-03
<i>ST7-AS1</i>	ENSG00000227199	-0.673	1.23E-02
<i>FAM201A</i>	ENSG00000204860	-0.672	1.28E-02
<i>AC098864.1</i>	ENSG00000177822	-0.672	6.04E-04
<i>CAHM</i>	ENSG00000270419	-0.668	8.46E-03
<i>AC004906.1</i>	ENSG00000237286	-0.668	1.50E-02
<i>AP006623.1</i>	ENSG00000250397	-0.665	2.60E-06
<i>AL121929.2</i>	ENSG00000273108	-0.661	2.33E-02
<i>AP003043.1</i>	ENSG00000255548	-0.661	7.86E-03
<i>MIF-AS1</i>	ENSG00000218537	-0.651	2.93E-03
<i>SLC9A3-AS1</i>	ENSG00000225138	-0.650	3.21E-02
<i>AP001160.1</i>	ENSG00000256690	-0.650	1.70E-02
<i>AL133325.3</i>	ENSG00000278041	-0.649	3.24E-04

<i>AP000759.1</i>	ENSG00000255320	-0.644	4.55E-02
<i>KMT2E-AS1</i>	ENSG00000239569	-0.644	2.13E-02
<i>AL662797.1</i>	ENSG00000272540	-0.643	2.38E-02
<i>C9orf163</i>	ENSG00000196366	-0.642	8.01E-03
<i>ITFG2-AS1</i>	ENSG00000258325	-0.641	3.18E-02
<i>AC141928.1</i>	ENSG00000250986	-0.641	3.24E-02
<i>AC023906.5</i>	ENSG00000259712	-0.637	2.14E-02
<i>AP000254.1</i>	ENSG00000273271	-0.636	1.19E-02
<i>AC084036.1</i>	ENSG00000272990	-0.634	4.25E-02
<i>AC013356.2</i>	ENSG00000259211	-0.630	1.20E-03
<i>AC046143.1</i>	ENSG00000229334	-0.626	2.28E-03
<i>LINC01943</i>	ENSG00000280721	-0.626	7.60E-04
<i>AC005838.2</i>	ENSG00000266538	-0.618	2.49E-03
<i>SFTA1P</i>	ENSG00000225383	-0.614	8.39E-03
<i>AC020907.4</i>	ENSG00000271032	-0.612	2.38E-02
<i>AL135925.1</i>	ENSG00000272447	-0.606	1.21E-03
<i>CASC10</i>	ENSG00000204682	-0.603	2.75E-02
<i>U47924.2</i>	ENSG00000272173	-0.602	3.06E-02
<i>AL772307.1</i>	ENSG00000284116	-0.600	5.29E-03
<i>AL133375.1</i>	ENSG00000245261	-0.598	1.88E-03
<i>MIR100HG</i>	ENSG00000255248	-0.597	1.88E-02
<i>AC074091.1</i>	ENSG00000259080	-0.593	4.13E-02
<i>AJ011932.1</i>	ENSG00000274248	-0.586	3.02E-02
<i>LINC00982</i>	ENSG00000177133	-0.586	1.48E-02
<i>AC090150.1</i>	ENSG00000253888	-0.585	5.79E-03
<i>AC018766.1</i>	ENSG00000268047	-0.585	2.34E-02
<i>AL354760.1</i>	ENSG00000273483	-0.584	3.17E-02
<i>AL358215.3</i>	ENSG00000283999	-0.578	1.81E-03
<i>AC007319.1</i>	ENSG00000224063	-0.577	1.12E-02
<i>DLEU2L</i>	ENSG00000116652	-0.575	9.95E-03
<i>LINC00479</i>	ENSG00000236384	-0.569	2.83E-02
<i>AC125437.1</i>	ENSG00000267655	-0.567	1.88E-02
<i>AL118516.1</i>	ENSG00000260708	-0.567	4.61E-02
<i>AP002026.1</i>	ENSG00000246090	-0.565	2.92E-03
<i>AC019129.2</i>	ENSG00000273106	-0.564	8.95E-03
<i>AC011477.4</i>	ENSG00000267581	-0.559	2.13E-02
<i>AC211476.2</i>	ENSG00000272843	-0.557	1.53E-02
<i>AC005394.2</i>	ENSG00000283403	-0.556	1.05E-03
<i>AL160313.1</i>	ENSG00000247970	-0.556	1.13E-02
<i>AC106881.1</i>	ENSG00000271474	-0.556	1.11E-02
<i>AC010884.1</i>	ENSG00000224509	-0.556	1.52E-02
<i>AC022211.1</i>	ENSG00000263786	-0.554	2.28E-02
<i>AC079385.3</i>	ENSG00000257918	-0.553	3.63E-04
<i>AC215522.2</i>	ENSG00000282572	-0.553	2.19E-03
<i>AL590399.1</i>	ENSG00000204802	-0.552	3.11E-02
<i>AC133552.5</i>	ENSG00000275494	-0.548	3.69E-02

<i>AC004837.2</i>	ENSG00000228554	-0.547	1.80E-02
<i>AC053503.1</i>	ENSG00000227432	-0.547	4.20E-02
<i>AC022098.4</i>	ENSG00000275091	-0.546	1.20E-03
<i>TUBA3FP</i>	ENSG00000161149	-0.541	5.40E-05
<i>AC092171.3</i>	ENSG00000234432	-0.540	1.55E-03
<i>AL353759.1</i>	ENSG00000283064	-0.538	1.69E-02
<i>AL356489.2</i>	ENSG00000260947	-0.538	5.61E-04
<i>AL022316.1</i>	ENSG00000230107	-0.538	2.90E-03
<i>SNHG25</i>	ENSG00000266402	-0.537	2.54E-02
<i>AL645608.3</i>	ENSG00000230699	-0.536	1.52E-03
<i>AC068580.3</i>	ENSG00000235027	-0.536	5.89E-03
<i>AC098936.1</i>	ENSG00000224717	-0.534	2.94E-04
<i>SLX1A-SULT1A3</i>	ENSG00000213599	-0.533	8.25E-03
<i>AC022382.1</i>	ENSG00000269886	-0.531	4.86E-02
<i>LINC01670</i>	ENSG00000279094	-0.527	3.22E-02
<i>AC104170.2</i>	ENSG00000238140	-0.527	1.53E-04
<i>AC012360.3</i>	ENSG00000272994	-0.526	1.97E-02
<i>AL358852.1</i>	ENSG00000278899	-0.522	1.69E-02
<i>AC104653.1</i>	ENSG00000228857	-0.522	4.56E-02
<i>AC016586.1</i>	ENSG00000268670	-0.521	1.71E-02
<i>AL136162.1</i>	ENSG00000271888	-0.519	3.89E-02
<i>AC095055.1</i>	ENSG00000270681	-0.519	1.09E-02
<i>FOXC2-AS1</i>	ENSG00000260944	-0.519	1.78E-02
<i>ACTA2-AS1</i>	ENSG00000180139	-0.517	3.22E-02
<i>AL135744.1</i>	ENSG00000260830	-0.510	7.20E-04
<i>AL137058.2</i>	ENSG00000273784	-0.510	7.82E-03
<i>AL110115.1</i>	ENSG00000274364	-0.509	4.45E-02
<i>MIR4453HG</i>	ENSG00000268471	-0.508	1.08E-02
<i>EPHA5-AS1</i>	ENSG00000250846	-0.504	1.72E-02
<i>AC011893.1</i>	ENSG00000226806	-0.503	6.59E-03
<i>AC107464.1</i>	ENSG00000242686	-0.503	3.21E-02
<i>MCCC1-AS1</i>	ENSG00000243368	-0.502	1.35E-02
<i>DLG5-AS1</i>	ENSG00000233871	-0.501	5.96E-03
Upregulated DElncRNAs			
lncRNA ID	Ensembl ID	log₂ fold change	p-value
<i>AC008760.2</i>	ENSG00000276980	1.704	3.58E-02
<i>SAPCD1-AS1</i>	ENSG00000235663	1.651	3.77E-02
<i>CU634019.1</i>	ENSG00000277067	1.625	1.18E-02
<i>AC023421.1</i>	ENSG00000266968	1.393	3.57E-05
<i>AC079467.1</i>	ENSG00000250978	1.268	3.20E-02
<i>LINC01697</i>	ENSG00000232079	1.172	3.23E-02
<i>LINC02331</i>	ENSG00000235269	1.158	2.62E-05
<i>LINC00645</i>	ENSG00000258548	1.149	1.68E-05
<i>LINC01671</i>	ENSG00000225431	1.113	4.13E-02
<i>LINC01133</i>	ENSG00000224259	1.085	1.89E-03
<i>CEBPA-AS1</i>	ENSG00000267296	1.080	2.01E-02

<i>MGAT3-AS1</i>	ENSG00000227188	1.047	3.51E-03
<i>LINC02518</i>	ENSG00000232316	1.047	2.77E-02
<i>AC005550.2</i>	ENSG00000237070	1.041	3.85E-02
<i>AL049544.1</i>	ENSG00000250686	1.018	2.84E-04
<i>AC010175.1</i>	ENSG00000256427	0.931	4.15E-03
<i>AC127521.1</i>	ENSG00000262823	0.916	1.95E-03
<i>SOD2-OT1</i>	ENSG00000285427	0.898	1.63E-02
<i>GATA2-AS1</i>	ENSG00000244300	0.897	1.79E-05
<i>AC002553.2</i>	ENSG00000275413	0.873	3.02E-02
<i>AC112496.1</i>	ENSG00000241886	0.864	1.86E-02
<i>AC019117.1</i>	ENSG00000236039	0.843	1.97E-02
<i>AC107398.3</i>	ENSG00000260918	0.836	7.56E-03
<i>C18orf65</i>	ENSG00000275763	0.835	8.47E-06
<i>THRB-AS1</i>	ENSG00000228791	0.832	3.79E-02
<i>AC004233.4</i>	ENSG00000274367	0.831	1.40E-02
<i>AC087623.4</i>	ENSG00000272159	0.822	2.83E-02
<i>AC084809.2</i>	ENSG00000236377	0.804	2.92E-02
<i>AC010201.1</i>	ENSG00000271259	0.798	4.93E-02
<i>AC006042.1</i>	ENSG00000227719	0.794	1.43E-02
<i>AP001065.1</i>	ENSG00000274225	0.769	1.61E-02
<i>LINC00540</i>	ENSG00000276476	0.763	3.25E-04
<i>LINC02541</i>	ENSG00000230943	0.762	4.45E-03
<i>AL122035.1</i>	ENSG00000258824	0.751	4.56E-03
<i>AC022400.3</i>	ENSG00000242288	0.746	2.73E-02
<i>AC129507.2</i>	ENSG00000262294	0.743	1.71E-02
<i>AC100803.2</i>	ENSG00000261655	0.737	1.48E-03
<i>AC090340.1</i>	ENSG00000277837	0.735	5.41E-03
<i>LINC02323</i>	ENSG00000259230	0.722	1.13E-02
<i>LINC02535</i>	ENSG00000234155	0.719	4.01E-02
<i>AC073174.1</i>	ENSG00000227121	0.714	6.23E-03
<i>NUP50-AS1</i>	ENSG00000226328	0.706	2.04E-02
<i>LINC02421</i>	ENSG00000255970	0.703	1.35E-02
<i>AC091806.1</i>	ENSG00000236393	0.702	2.50E-02
<i>AL031731.1</i>	ENSG00000284708	0.689	7.23E-04
<i>AC108134.2</i>	ENSG00000261889	0.686	3.56E-02
<i>RBPMS-AS1</i>	ENSG00000254109	0.679	2.06E-03
<i>AC026471.3</i>	ENSG00000260740	0.675	3.27E-02
<i>AC016405.2</i>	ENSG00000272043	0.674	1.31E-02
<i>AL355499.2</i>	ENSG00000285216	0.660	3.92E-02
<i>KIAA0087</i>	ENSG00000122548	0.660	1.01E-04
<i>AC093827.4</i>	ENSG00000284968	0.655	1.66E-03
<i>AL031123.2</i>	ENSG00000261211	0.655	1.24E-03
<i>LINC00857</i>	ENSG00000237523	0.643	3.00E-04
<i>LINC00494</i>	ENSG00000235621	0.638	4.08E-02
<i>LINC00278</i>	ENSG00000231535	0.629	1.21E-03
<i>AL589669.1</i>	ENSG00000284377	0.624	9.90E-04

<i>RPARP-AS1</i>	ENSG00000269609	0.621	5.38E-03
<i>LINC01214</i>	ENSG00000243550	0.615	7.00E-03
<i>AC008687.2</i>	ENSG00000268108	0.596	2.98E-02
<i>TRAPPC12-AS1</i>	ENSG00000225234	0.590	3.29E-02
<i>AC119427.1</i>	ENSG00000282221	0.589	4.81E-03
<i>LINC00449</i>	ENSG00000203441	0.584	4.75E-02
<i>AP000944.1</i>	ENSG00000255478	0.583	2.22E-03
<i>LINC01852</i>	ENSG00000236914	0.574	2.39E-02
<i>AL445309.1</i>	ENSG00000272320	0.574	1.15E-02
<i>OSGEPL1-AS1</i>	ENSG00000253559	0.572	3.11E-04
<i>AC104958.2</i>	ENSG00000272502	0.568	1.14E-02
<i>AC010201.2</i>	ENSG00000271327	0.568	1.80E-02
<i>LINC01094</i>	ENSG00000251442	0.565	2.51E-02
<i>AC127526.2</i>	ENSG00000255367	0.564	4.01E-02
<i>AL135905.1</i>	ENSG00000266680	0.563	2.14E-04
<i>AC006017.1</i>	ENSG00000229591	0.563	3.89E-02
<i>AC116025.2</i>	ENSG00000262172	0.554	4.11E-02
<i>LINC01291</i>	ENSG00000204792	0.551	2.71E-04
<i>AC004947.1</i>	ENSG00000233760	0.551	6.71E-04
<i>AC018638.7</i>	ENSG00000271553	0.547	5.69E-03
<i>AC090578.1</i>	ENSG00000271156	0.546	1.22E-02
<i>LINC02035</i>	ENSG00000273033	0.540	6.54E-04
<i>AC099684.1</i>	ENSG00000228133	0.537	1.15E-02
<i>AC012435.2</i>	ENSG00000261775	0.534	1.29E-03
<i>AL354707.1</i>	ENSG00000225489	0.533	6.76E-03
<i>HNF1A-AS1</i>	ENSG00000241388	0.528	2.43E-02
<i>LINC00605</i>	ENSG00000251533	0.523	4.91E-03
<i>AP003721.4</i>	ENSG00000257052	0.519	4.47E-02
<i>AC007663.2</i>	ENSG00000249923	0.518	3.81E-02
<i>AC117498.2</i>	ENSG00000257660	0.518	3.48E-02
<i>AC026412.3</i>	ENSG00000271119	0.511	4.27E-03
<i>AL445531.1</i>	ENSG00000260677	0.510	3.10E-02
<i>AC145207.8</i>	ENSG00000264769	0.506	3.97E-03
<i>AP002387.2</i>	ENSG00000254682	0.505	1.95E-02
<i>AC008074.3</i>	ENSG00000260101	0.501	3.54E-04

Supplementary Table 5. Downregulated DE miRNAs targeting selected key upregulated DEGs related to lipid metabolism, enterochromaffin cells, and apoptosis in *RFX3* KO islets compared to WT-islets ($\log_2$ fold change < -0.5 , $p < 0.05$).

Lipid metabolism and enterochromaffin cells					
Downregulated miRNA	$\log_2$ fold change	p -value	Target gene	$\log_2$ fold change	Adjusted p -value
<i>let-7i-5p</i>	-1.553	0.0028	<i>ALOX15B</i>	3.250	1.50E-02
<i>miR-1-3p</i>	-1.097	0.0167			
<i>miR-143-5p</i>	-0.949	0.0381			
<i>miR-7974</i>	-0.907	0.0084			
<i>let-7b-3p</i>	-0.773	0.0089	<i>ADH4</i>	2.967	3.13E-13
<i>let-7i-5p</i>	-1.553	0.0028			
<i>miR-1251-3p*</i>	-0.802	0.0226			
<i>miR-127-3p*</i>	-1.129	0.0015			
<i>miR-135a-3p</i>	-1.018	0.0099			
<i>miR-135a-5p</i>	-1.122	0.0377			
<i>miR-410-3p</i>	-1.062	0.0308			
<i>miR-409-5p</i>	-1.066	0.0108			
<i>miR-7156-5p</i>	-0.805	0.0004			
<i>miR-9-3p</i>	-2.261	0.0312			
<i>let-7i-5p</i>	-1.553	0.0028	<i>SLC10A1</i>	2.513	1.47E-02
<i>miR-135a-3p*</i>	-1.018	0.0099			
<i>miR-431-5p</i>	-0.920	0.0143			
<i>miR-181a-3p</i>	-0.619	0.0165	<i>CPS1</i>	2.439	1.89E-02
<i>miR-134-5p*</i>	-1.462	0.0131	<i>SULT2A1</i>	2.247	4.92E-02
<i>miR-495-3p</i>	-1.526	0.0291	<i>ABCC2</i>	2.029	4.20E-02
<i>miR-485-3p</i>	-1.271	0.0268			
<i>miR-504-5p</i>	-0.728	0.0014	<i>APOB</i>	1.867	2.34E-02
<i>miR-2682-5p*</i>	-0.522	0.0327	<i>TPH1</i>	1.863	1.07E-14
<i>miR-212-5p</i>	-0.920	0.0017			
<i>miR-7156-5p*</i>	-0.805	0.0004	<i>APOD</i>	1.823	1.79E-02
<i>miR-409-5p</i>	-1.066	0.0108	<i>PSAPL1</i>	1.795	4.81E-03
<i>miR-212-5p</i>	-0.920	0.0017			
<i>miR-329-3p</i>	-0.920	0.0346			
<i>miR-504-5p</i>	-0.728	0.0014			
<i>miR-132-3p</i>	-1.145	0.0001	<i>AKR1D1</i>	1.617	2.00E-04
<i>miR-134-5p*</i>	-1.462	0.0131			
<i>miR-504-5p</i>	-0.728	0.0014			
<i>miR-887-5p</i>	-0.560	0.0298	<i>SLC51B</i>	1.399	3.25E-02
<i>miR-216b-5p*</i>	-1.071	0.0025	<i>SLC27A2</i>	1.384	4.44E-03
<i>miR-654-3p</i>	-1.269	0.0211			
<i>miR-7974</i>	-0.907	0.0084			
<i>miR-216a-3p</i>	-1.282	0.0024	<i>MFSD2A</i>	1.368	2.69E-02
<i>miR-133a-3p</i>	-1.371	0.0019			
<i>miR-212-5p*</i>	-0.920	0.0017			
<i>miR-1251-5p</i>	-1.632	0.0072	<i>APOA2</i>	1.363	1.17E-02
<i>miR-1468-5p</i>	-0.974	0.0001			
<i>miR-7974*</i>	-0.907	0.0084			
<i>miR-7-5p*</i>	-1.957	0.0001			
<i>let-7i-5p</i>	-1.553	0.0028	<i>GPAT3</i>	1.337	3.93E-03
<i>miR-1197</i>	-0.664	0.0466			
<i>miR-133a-5p</i>	-0.576	0.0210			

<i>miR-216b-3p</i>	-1.032	0.0039			
<i>miR-134-5p</i>	-1.462	0.0131			
<i>miR-409-5p*</i>	-1.066	0.0108			
<i>miR-495-3p*</i>	-1.526	0.0291			
<i>miR-134-5p</i>	-1.462	0.0131	<i>HSD3B1</i>	1.327	7.69E-03
<i>miR-543</i>	-1.265	0.0476			
<i>miR-1226-5p</i>	-0.587	0.0387	<i>CEL</i>	1.283	3.28E-02
<i>miR-485-5p</i>	-0.691	0.0420			
<i>miR-132-3p</i>	-1.145	0.0001	<i>CYP8B1</i>	1.237	2.55E-03
<i>miR-485-5p</i>	-0.691	0.0420			
<i>miR-504-5p</i>	-0.728	0.0014	<i>CYP2W1</i>	1.221	1.19E-02
<i>miR-1224-3p</i>	-0.744	0.0281			
<i>miR-132-5p</i>	-0.821	0.0100			
<i>miR-134-5p</i>	-1.462	0.0131			
<i>miR-329-3p</i>	-0.920	0.0346			
<i>miR-3663-5p</i>	-0.966	0.0217	<i>FUT2</i>	1.213	3.11E-03
<i>miR-3938</i>	-0.572	0.0199			
<i>miR-431-5p</i>	-0.920	0.0143			
<i>miR-485-5p</i>	-0.691	0.0420			
<i>miR-504-5p</i>	-0.728	0.0014			
<i>miR-654-3p</i>	-1.269	0.0211			
<i>miR-216b-3p</i>	-1.032	0.0039			
<i>miR-329-3p</i>	-0.920	0.0346	<i>CYP51A1</i>	1.208	1.01E-02
<i>miR-3938</i>	-0.572	0.0199			
<i>miR-217-5p</i>	-1.146	0.0069	<i>FABP1</i>	1.186	1.56E-02
<i>miR-2682-5p</i>	-0.522	0.0327			
<i>miR-1224-3p</i>	-0.744	0.0281	<i>CYP27A1</i>	1.141	2.92E-02
<i>miR-133a-3p</i>	-1.371	0.0019			
<i>miR-3177-3p</i>	-0.614	0.0078	<i>CEBPA</i>	1.126	2.21E-02
<i>miR-1251-3p</i>	-0.802	0.0226			
<i>miR-548ah-5p</i>	-1.202	0.0044	<i>PIP5K1B</i>	1.125	8.48E-03
<i>miR-381-3p</i>	-1.373	0.0094			
<i>miR-135a-5p</i>	-1.122	0.0377			
<i>miR-3938</i>	-0.572	0.0199	<i>CYP4V2</i>	1.109	2.38E-03
<i>miR-887-5p</i>	-0.560	0.0298			
<i>let-7i-5p*</i>	-1.553	0.0028			
<i>miR-1251-3p</i>	-0.802	0.0226			
<i>miR-216a-3p</i>	-1.282	0.0024			
<i>miR-129-1-3p</i>	-0.816	0.0208			
<i>miR-133a-3p</i>	-1.371	0.0019	<i>LPGAT1</i>	1.104	6.76E-03
<i>miR-133a-5p</i>	-0.576	0.0210			
<i>miR-217-5p</i>	-1.146	0.0069			
<i>miR-370-3p</i>	-1.049	0.0002			
<i>miR-6740-3p</i>	-0.615	0.0473			
<i>miR-132-3p</i>	-1.145	0.0001			
<i>miR-216b-5p*</i>	-1.071	0.0025	<i>DHRS11</i>	1.097	2.86E-02
<i>miR-504-5p</i>	-0.728	0.0014			
<i>miR-7-5p</i>	-1.957	0.0001			
<i>miR-1197</i>	-0.664	0.0466			
<i>miR-1224-3p</i>	-0.744	0.0281	<i>ALDH3B1</i>	1.039	4.27E-02
<i>miR-135a-2-3p</i>	-1.588	0.0027			
Apoptosis					

Downregulated miRNA	log ₂ fold change	p-value	Target gene	log ₂ fold change	Adjusted p-value
<i>let-7i-5p</i>	-1.553	0.0028	<i>TNFRSF1B</i>	2.055	3.36E-02
<i>miR-1251-5p</i>	-1.632	0.0072			
<i>miR-212-5p*</i>	-0.920	0.0017			
<i>miR-329-3p</i>	-0.920	0.0346			
<i>miR-495-3p*</i>	-1.526	0.0291			
<i>let-7i-5p</i>	-1.553	0.0028	<i>CASP5</i>	1.963	4.21E-02
<i>miR-1197</i>	-0.664	0.0466			
<i>miR-216a-3p</i>	-1.282	0.0024			
<i>miR-143-3p</i>	-0.816	0.0380			
<i>miR-216b-5p</i>	-1.071	0.0025			
<i>miR-2682-5p</i>	-0.522	0.0327			
<i>miR-3663-5p</i>	-0.966	0.0217			
<i>miR-491-3p</i>	-0.563	0.0063			
<i>miR-7974*</i>	-0.907	0.0084			
<i>miR-1224-3p</i>	-0.744	0.0281			
<i>miR-216a-3p</i>	-1.282	0.0024	<i>G0S2</i>	1.815	4.81E-02
<i>miR-377-3p*</i>	-0.769	0.0147			
<i>miR-6845-3p</i>	-0.773	0.0010			
<i>miR-216a-3p</i>	-1.282	0.0024	<i>CASP1</i>	1.787	1.47E-02
<i>miR-135a-5p*</i>	-1.122	0.0377			
<i>miR-887-5p</i>	-0.560	0.0298	<i>TXNIP</i>	1.620	9.37E-04
<i>miR-216a-3p**</i>	-1.282	0.0024			
<i>miR-135a-5p</i>	-1.122	0.0377			
<i>miR-411-5p**</i>	-1.066	0.0331			
<i>miR-5006-3p</i>	-0.613	0.0140	<i>NOX1</i>	1.600	1.20E-02
<i>miR-145-5p</i>	-1.110	0.0496			
<i>miR-495-3p</i>	-1.526	0.0291	<i>PRDMI</i>	1.470	6.03E-03
<i>let-7i-5p**</i>	-1.553	0.0028			
<i>miR-1251-3p</i>	-0.802	0.0226			
<i>miR-127-3p**</i>	-1.129	0.0015			
<i>miR-133a-3p</i>	-1.371	0.0019			
<i>miR-9-5p**</i>	-2.356	0.0307	<i>TNFSF10</i>	1.370	1.80E-02
<i>let-7i-5p*</i>	-1.553	0.0028			
<i>miR-133a-3p</i>	-1.371	0.0019			
<i>miR-135a-3p</i>	-1.018	0.0099			
<i>miR-139-5p*</i>	-1.373	0.0054			
<i>miR-154-5p</i>	-0.732	0.0253			
<i>miR-3938</i>	-0.572	0.0199			
<i>miR-494-3p</i>	-1.305	0.0082			
<i>miR-654-3p</i>	-1.269	0.0211			
<i>miR-6740-3p</i>	-0.615	0.0473			
<i>miR-887-5p</i>	-0.560	0.0298	<i>BNIP5</i>	1.125	2.48E-02
<i>miR-1197</i>	-0.664	0.0466			
<i>miR-129-1-3p*</i>	-0.816	0.0208			
<i>miR-132-5p</i>	-0.821	0.0100			
<i>miR-216b-3p</i>	-1.032	0.0039			
<i>miR-329-3p</i>	-0.920	0.0346			
<i>miR-431-5p</i>	-0.920	0.0143			
<i>miR-495-3p</i>	-1.526	0.0291			
<i>miR-668-3p</i>	-0.961	0.0237	<i>CASP10</i>	1.047	6.43E-04
<i>miR-1226-5p</i>	-0.587	0.0387			

<i>miR-212-5p</i>	-0.920	0.0017			
<i>miR-329-3p</i>	-0.920	0.0346			
<i>miR-485-5p</i>	-0.691	0.0420			

* Highly confident predicted targets

** Experimentally validated targets