

Supplementary Information

Expression of cardiovascular-related microRNAs is altered in L-arginine:glycine amidinotransferase deficient mice

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Supplementary Table S1. miRNA assays (Thermo Fischer Scientific) used for qPCR analysis.

miRNA	Assay Name	Assay ID
miR-298-5p	mmu-miR-298	002598
miR-135a-5p	hsa-miR-135a	000460
miR-31-5p	mmu-miR-31	000185
miR-210 -3p	hsa-miR-210	000512
miR-30b-5p	hsa-miR-30b	000602
miR-181c-5p	hsa-miR-181c	000482
miR-148a-3p	hsa-miR-148a	000470
miR-30d-3p	hsa-miR-30d	000420
let-7i-5p	hsa-let-7i	002221
miR-130a-3p	hsa-miR-130a	000454
miR-125b-5p	hsa-miR-125b	000449
miR-204-5p	hsa-miR-204	000508
snoRNA202	snoRNA202	001232

Supplementary Table S2. Significantly regulated miRNAs between wt and AGAT^{-/-} mice. False-Discovery-Rate (FDR) ≤ 0.05. FC: fold change.

miRNA	FC	P value
mir-130a-3p	1.66	1.9×10 ⁻²⁹
mir-215-5p	-1.59	1.09×10 ⁻¹⁴
mir-210-3p	1.4	5.5×10 ⁻¹²
mir-31-5p	1.5	6.4×10 ⁻¹⁰
mir-5119-3p	-28.56	2.09×10 ⁻⁸
mir-204-5p	-1.22	1.4×10 ⁻⁸
mir-298-5p	2.05	1.2×10 ⁻⁷
mir-470-5p	3.42	4.46×10 ⁻⁷
mir-1983-3p	-1.95	2.23×10 ⁻⁶
mir-125b-2-3p	1.22	2.71×10 ⁻⁶
mir-30b-5p	1.2	3.83×10 ⁻⁶
mir-365-1-3p	-1.45	7.84×10 ⁻⁶
mir-365-2-3p	-1.49	2.2×10 ⁻⁵
mir-99a-5p	1.22	2.7×10 ⁻⁵
mir-100-5p	-1.21	3.53×10 ⁻⁵
let-7i-5p	1.16	3.7×10 ⁻⁵
mir-296-5p	2.06	5.12×10 ⁻⁵
mir-1247-5p	-1.85	5.15×10 ⁻⁵
mir-7688-5p	1.94	5.41×10 ⁻⁵
mir-871-3p	3.1	1.02×10 ⁻⁴
mir-210-5p	1.32	1.75×10 ⁻⁴
mir-375-3p	2.03	1.8×10 ⁻⁴
mir-135a-2-5p	-1.63	2.73×10 ⁻⁴
mir-107-3p	-1.11	4.11×10 ⁻⁴
mir-130a-5p	2.41	7.34×10 ⁻⁴
mir-148a-3p	1.23	7.57×10 ⁻⁴
mir-30d-3p	1.19	9.01×10 ⁻⁴
mir-181c-5p	1.24	1.02×10 ⁻³
mir-34c-5p	-1.38	1.65×10 ⁻³
mir-135a-1-5p	-1.52	1.99×10 ⁻³
mir-182-5p	1.39	2.07×10 ⁻³
mir-499-5p	1.19	2.58×10 ⁻³
mir-30d-5p	1.18	2.6×10 ⁻³