

Supplementary Table S1. Key equipment, reagents, kits, and supplies used in this study

Item	Description/Use	Manufacturer (Country)	Catalog No. / Notes
Cell line	Human triple-negative breast cancer (TNBC) cell line, MDA-MB-231	Vacsera (Egypt)	—
Cell culture medium	DMEM, 4.5 g/L glucose + L-glutamine	Lonza (Germany)	—
Serum	Fetal bovine serum (FBS), heat-inactivated	Lonza (Germany)	—
Antibiotics	Penicillin/Streptomycin (100×)	Lonza (Germany)	—
Trypsin-EDTA	Cell detachment	Standard supplier	—
Cryopreservation	Cryovials, 1.8 mL	Apogent (Denmark)	—
Transfection reagent	HiPerFect® transfection reagent	Qiagen (Germany)	Cat. No. 301704
miRNA oligonucleotides	hsa-miR-939-5p (MSY0004982); hsa-miR-193a-3p (MIMAT0000459); scrambled control (MSY0000449)	Life Technologies/Applied Biosystems (USA)	IDs as listed
RNA extraction reagent	QIAzol/BIZOL reagent	Invitrogen (USA)	Cat. No. 79306
Reverse transcription kit (mRNA)	High-Capacity cDNA Reverse Transcription Kit	Applied Biosystems (USA)	Cat. No. 4368814
Reverse transcription kit (miRNA)	TaqMan® MicroRNA RT Kit	Applied Biosystems (USA)	Cat. No. 4366596
qPCR master mix	TaqMan® Universal PCR Master Mix, 2× + ROX	Applied Biosystems/Thermo Fisher (USA)	Cat. No. 4304437
Gene expression assays	TaqMan® assays for DDAH1, DDAH2, 18S rRNA, β -actin	Thermo Fisher (USA)	IDs per assay

Item	Description/Use	Manufacturer (Country)	Catalog No. / Notes
MicroRNA assays	TaqMan® assays for hsa-miR-939-5p, hsa-miR-193a-3p	Life Technologies (USA)	MSY0004982, MIMAT0000459
NO measurement kit	Griess Reagent System	Promega (USA)	Cat. No. G2930
ADMA ELISA kit	Competitive ELISA kit (human ADMA)	Elabsience® (China)	Cat. No. E-EL-0026
Spectrophotometer/plate reader	Wallac 1420 VICTOR2 multilabel counter	PerkinElmer (USA)	—
Real-time PCR system	StepOne™ Real-Time PCR	Applied Biosystems (USA)	—
CO₂ incubator	Cell culture incubator	Medcenter Einrichtungen GmbH (Germany)	—
Laminar flow hood	Class II biosafety cabinet BH-EN2004	Faster (Germany)	—
Centrifuges	Benchtop (Eppendorf 5417C), refrigerated (Sigma 3K30), microcentrifuge (Hettich EBA20)	Eppendorf/Sigma/Hettich (Germany)	—
Microscope	Inverted microscope TCM400	Labomed (USA)	—
Freezer	−80 °C ultra-low	REVCO/Kendro (USA)	—
General reagents	DMSO, ethanol, isopropanol, chloroform, glutaraldehyde, quartz cuvettes	Sigma-Aldrich/Merck (Germany)	—
Consumables	Pipettes, sterile tips, tubes (DNase/RNase-free), tissue culture plates	Eppendorf, AHN Biotechnology, Greiner Bio-One (Germany)	—