

## SUPPLEMENTARY TABLES

**Table S1.** PCR product specifications.

**Table S2.** Detailed material information.

**Table S1. PCR product specifications.**

Gene	Assay ID or Sequence ID	System specification
miR-126-3p	ID 002228	TaqMan MicroRNA Assay, Applied Biosystems
miR-126-5p	ID 000451	TaqMan MicroRNA Assay, Applied Biosystems
miR-628-5p	ID 002433	TaqMan MicroRNA Assay, Applied Biosystems
miR-92a-3p	ID 000431	TaqMan MicroRNA Assay, Applied Biosystems
U6	ID 001973	TaqMan MicroRNA Assay, Applied Biosystems
VCAM1	Hs1003372_m1	TaqMan Gene Expression Assay, Applied Biosystems
PIK3R2	Hs00178181_m1	TaqMan Gene Expression Assay, Applied Biosystems
SPRED1	Hs01084559_m1	TaqMan Gene Expression Assay, Applied Biosystems
DLK1	Hs00171584_m1	TaqMan Gene Expression Assay, Applied Biosystems
GAPDH	Hs99999905_m1	TaqMan Gene Expression Assay, Applied Biosystems

**Table S2. Detailed material information**

Procedure	Name of kit	Company	Country	Catalog number
microRNA and RNA extraction	miRVANA miRNA isolation kit	Ambion	USA	AM1560
microRNA cDNA synthesis	TaqMan MicroRNA Reverse Transcription Kit	Applied Biosystems	USA	4366596
mRNA cDNA synthesis	High-Capacity cDNA Reverse Transcription Kit	Applied Biosystems	USA	4368813
microRNA cDNA amplification	TaqMan Universal Master Mix II, no UNG	Applied Biosystems	USA	4440047
mRNA cDNA amplification	TaqMan Universal PCR Master Mix, no AmpErase UNG	Applied Biosystems	USA	4364341

## **HIGHLIGHTS**

- Cardiac allograft vasculopathy coincides with lower miR-126a-3p levels in endomyocardial biopsies of heart transplant recipients.
- MiR-126 and its targets are influenced by the administration of immunosuppressive agents in human microvascular cardiac endothelial cells.
- The use of microRNA or other biomarkers can be of added value to detect cardiac allograft vasculopathy thereby avoiding invasive angiography.