

Supplemental Table 4 Mean values, and standard deviations (SD), of relative expression data for each microRNA

Table A: Supplemental to [Figure 3](#). Mean values, and standard deviations (SD), of relative expression data for each microRNA in the whole ARCADIA plasma. MicroRNA expression was calculated relative to exogenous cel-miR-39, using the formula $2^{-[(\text{miR CT}) - (\text{cel-miR-39 CT})]}$.

microRNAs		Average relative expression (SD)			
(miRs)		Pre-op	Pre-CPB	24 hours	48 hours
miR-1	x10 ⁻⁴	1.14 (0.62)	2.31 (0.63)	5.00 (2.70)	1.51 (0.93)
miR-24	x10 ⁻²	1.72 (0.87)	1.45 (0.36)	0.79 (0.19)	1.80 (1.33)
miR-133a	x10 ⁻⁴	6.46 (4.86)	10.13 (5.82)	15.46 (9.68)	5.39 (1.04)
miR-133b	x10 ⁻⁴	4.32 (1.71)	7.54 (2.44)	12.70 (6.38)	5.36 (2.17)
miR-210	x10 ⁻⁴	4.00 (3.36)	2.76 (1.46)	2.40 (1.65)	3.88 (1.44)
miR-122	x10 ⁻²	5.50 (3.04)	8.00 (5.49)	2.23 (2.97)	2.04 (1.45)

Pre-op: pre-operation (in the anaesthetic room); pre-CPB: during surgery before establishment of the cardiopulmonary by-pass (CPB); 24 hours: 24 hours after end of CBP; 48 hours: 48 hours after end of CBP.

Table B: Supplemental to [Figure 4C](#). Mean values, and standard deviations (SD), of relative expression data for each microRNA in the ARCADIA plasma exosomal fraction. MicroRNA expression was calculated relative to exogenous cel-miR-39, using the formula $2^{-[(\text{miR CT}) - (\text{cel-miR-39 CT})]}$.

microRNAs		Average relative expression (SD)			
(miRs)		Pre-op	Pre-CPB	24 hours	48 hours
miR-1	x10 ⁻⁷	3.76 (0.62)	4.88 (1.54)	9.20 (2.45)	9.78 (2.63)
miR-24	x10 ⁻⁷	51.51 (14.62)	75.90 (15.71)	135.69 (23.94)	116.89 (34.52)
miR-133a	x10 ⁻⁷	5.31 (2.11)	4.77 (1.50)	15.15 (2.80)	13.16 (4.41)
miR-133b	x10 ⁻⁷	3.86 (1.39)	5.93 (3.60)	15.64 (4.39)	8.79 (3.57)
miR-210	x10 ⁻⁷	0.80 (0.17)	0.89 (0.25)	1.57 (0.31)	1.41 (0.72)
miR-122	x10 ⁻⁷	21.61 (3.26)	19.32 (3.84)	13.82 (4.50)	8.47 (2.57)

Pre-op: pre-operation (in the anaesthetic room); pre-CPB: during surgery before establishment of the cardiopulmonary by-pass (CPB); 24 hours: 24 hours after end of CBP; 48 hours: 48 hours after end of CBP.