**Supplementary figures legends**

**Figure S1. MiR-profiling comparison between normal abdominal aorta and carotid arteries.**

Differentially expressed miRs (Fold-change ≥2 and ≤-2) between abdominal aorta and carotid artery groups are reported, as results of the discovery phase performed on normal arteries tissues. Statistical analysis was assessed by unpaired Student t-test; Significance was set at \**p*-value <0.05.

**Figure S2. MiR-profiling comparison between normal abdominal aorta and femoral arteries.**

Differentially expressed miRs (Fold-change ≥2 and ≤-2) between abdominal aorta and femoral artery groups are reported, as results of the discovery phase performed on normal arteries tissues. Statistical analysis was assessed by unpaired Student t-test; Significance was set at \**p*-value <0.05.

**Figure S3. MiR-profiling comparison between normal femoral and carotid arteries.**

Differentially expressed miRs (Fold-change ≥2 and ≤-2) between femoral and carotid artery groups are reported, as results of the discovery phase performed on normal arteries tissues. Statistical analysis was assessed by unpaired Student t-test; Significance was set at \**p*-value <0.05.

**Figure S4. Hierarchical clustering** **of all normal arteries based on significant miR-profiling.**

Hierarchical clustering and dendrogram were constructed by means of squared Euclidean distance and Ward linkage method on the relative expression of the 29 significant miRs.