

Figure S1: Grouped clusters of enriched terms based on functional enrichment analysis.

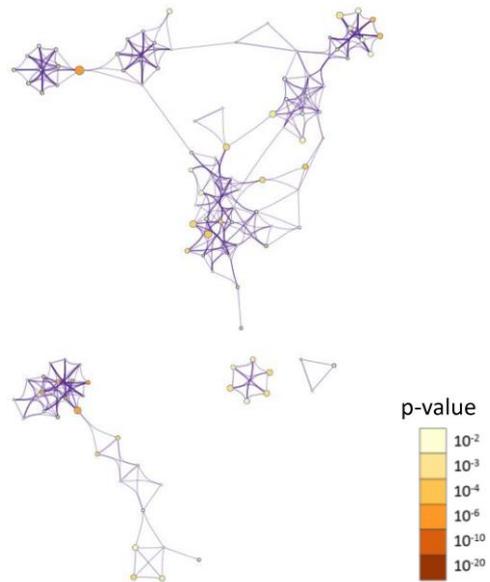


Figure S2: Specific clusters of endothelial cells based on single cell RNA-seq.

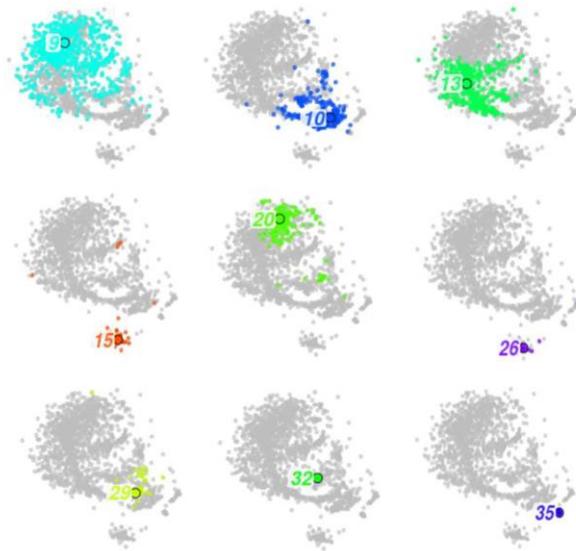


Table S1 Adjusted p value of the up- and down-regulated miRNAs.

| ID | adj.P.Val | P.Value | t | B | logFC |
|------------------|-----------|-----------|--------|-------|-----------|
| hsa-miR-302c-3p | 0.019 | 0.0000202 | -11.02 | 2.81 | -0.548781 |
| hsa-miR-374b-3p | 0.602 | 0.0018822 | 5.05 | -2.32 | 0.015943 |
| hsa-miR-501-5p | 0.602 | 0.0019231 | -5.03 | -2.34 | -0.012228 |
| hsa-miR-140-5p | 0.989 | 0.0047942 | 4.21 | -3.36 | 0.058116 |
| hsa-miR-181a-3p | 0.989 | 0.0280933 | 2.82 | -5.28 | 0.130995 |
| hsa-miR-146a-5p | 0.989 | 0.0310371 | 2.75 | -5.39 | 0.229854 |
| hsa-miR-369-5p | 0.989 | 0.0365991 | -2.63 | -5.56 | -0.282565 |
| hsa-miR-671-3p | 0.989 | 0.0383423 | -2.59 | -5.61 | -0.005437 |
| hsa-miR-887-3p | 0.989 | 0.0409927 | -2.55 | -5.68 | -0.028849 |
| hsa-miR-29b-1-3p | 0.989 | 0.0416934 | 2.54 | -5.7 | 0.135783 |
| hsa-miR-15a-5p | 0.989 | 0.0421936 | -2.53 | -5.71 | -0.011877 |
| hsa-miR-302d-3p | 0.989 | 0.0496785 | -2.41 | -5.88 | -0.063768 |