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Supplemental Information

MALAT1 sponges miR-26a and miR-26b to regulate endothelial cell angiogenesis via PFKFB3-driven glycolysis in early-onset preeclampsia

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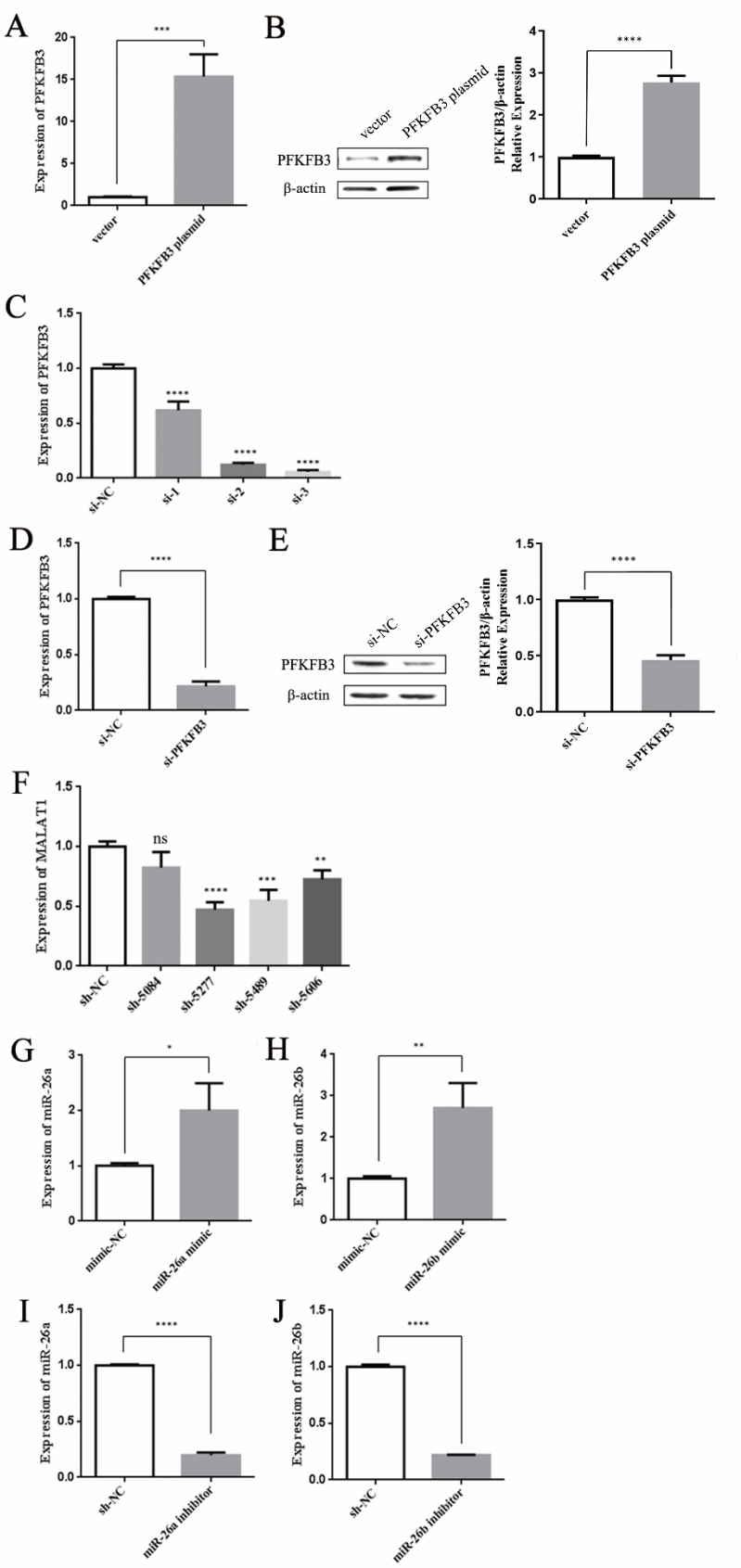

Figure S1 ECs were transfected with various plasmids and siRNA to effectively up- or downregulate the expression of MALAT1, PFKFB3, miR-26a and miR-26b.

(A, B) The mRNA and protein expression levels of PFKFB3 were measured in ECs after transfection with vector and the PFKFB3 plasmid. (C) The mRNA expression of PFKFB3 was measured in ECs after transfection with si-NC, si-1, si-2 and si-3. (D, E) The mRNA and protein expression levels of PFKFB3 were measured in ECs after transfection with si-NC and si-PFKFB3. (F) The mRNA expression of PFKFB3 was measured in ECs after transfection with sh-NC, sh-5084, sh-5277, sh-5489 and sh-5606. (G, I) The mRNA expression of miR-26a was measured in ECs after transfection with mimic-NC, miR-26a mimic, sh-NC, or miR-26a inhibitor. (H, J) The mRNA expression of miR-26b was measured in ECs after transfection with mimic-NC, miR-26b mimic, sh-NC, or miR-26b inhibitor. The data are presented as the means ± SD of three independent experiments. * P <0.05; ** P <0.01; *** P <0.001; and **** P<0.0001 by one-way ANOVA and Student's t-test. n.s., not significant.

Table S1. Primer sequences.

Amplicon	**Primer FW (5′–3′)**	**Primer RV (5′–3′)**
PFKFB3	AGCCCGGATTACAAAGACTGC	GGTAGCTGGCTTCATAGCAAC
MALAT1	TGGTGTCGAGGTCTTTGGTG	AAAAGCCCTCTCAGCCACTC
β-actin	CCTTCCTGGGCATGGAGTC	TGATCTTCATTGTGCTGGGTG

Primers for miR-26a, miR-26b and U6 were purchased from RiboBio and were designed by the stem-loop method.