

**Supplementary Table S1.** The clinical information of PSTT patients

Characteristics clinical tissues	Patient number	Age, year	GPA	Time of antecedent pregnancy, mo	FIGO stage	Presenting symptoms	Outcome	Performed assay			
								Follow-up, mo	IHC	microRNA assay	Real-time qPCR
Metastatic PSTT	1	25	GAP1A0	9	III	IVB	NED	30	√	/	/
	2	29	G1P1A0	13	II	IVB	NED	60	√	√	√
	3	32	G1P1A1	24	II	IVB	NED	24	√	√	√
	4	25	G1P1A0	8	III	IVB	NED	41	√	/	/
Non-metastatic PSTT	1	28	G1P1A1	9	I	IVB	NED	36	√	√	√
	2	27	G2P0A2	2	I	IVB	NED	28	√	/	/
	3	24	G6P1A5	4	I	IVB	NED	35	√	/	/
	4	28	G1P1A0	6	I	IVB	NED	59	√	√	√
	5	35	G7P1A6	3	I	IVB	NED	56	√	/	/
Normal decidua	1	37	G4P1A3	/	/	/	/	/	√	/	/
	2	23	G3P1A2	/	/	/	/	/	√	/	/
	3	28	G2P0A2	/	/	/	/	/	√	/	/
	4	27	G3P1A2	/	/	/	/	/	√	/	/
	5	23	G3P0A3	/	/	/	/	/	√	/	/
Normal Villi	1	29	G3P2A1	/	/	/	/	/	√	/	/
	2	27	G0P0A1	/	/	/	/	/	√	/	/
	3	27	G0P0A2	/	/	/	/	/	√	/	/
	4	30	G0P0A1	/	/	/	/	/	√	/	/
	5	26	G0P0A1	/	/	/	/	/	√	/	/

**Note.** GPA, gravidity, parity, and abortions; IVB, irregular vaginal bleeding; FIGO, International Federation of Gynecology and Obstetrics; NED, no evidence of disease.