

Supplementary Table S4A. MPHOSPH1 expression and clinicopathological variables in SE

Seminoma	total	MPHOSPH1 expression		<i>P</i> value
		High (n = 5)	Low (n = 53)	
Age		37 (26–56)	37.9 (21–65)	0.85
≥pT2	26	2	24	0.82
≥N1	15	1	14	0.51
≥M1	5	0	5	0.71
Tumor marker elevated (any of LDH, AFP, HCG)	32	1	31	0.06
lymphatic permeation	15	0	15	0.17
vascular permeation	23	2	21	0.81
pSTAT3 high expression	22	4 (80%)	18 (34%)	0.04
SOCS3 high expression	30	4	26	0.19

Supplementary Table S4B. MPHOSPH1 expression and clinicopathological variables in EC

Embryonal carcinoma	total	MPHOSPH1 expression		<i>P</i> value
		High (n = 16)	Low (n = 2)	
Age		31.8 (21–54)	29.5 (26–33)	0.78
≥pT2	11	10	1	0.59
≥N1	8	7	1	0.52
≥M1	8	8	0	0.18
Tumor marker elevated (any of LDH, AFP, HCG)	16	15	1	0.06
lymphatic permeation	7	6	1	0.73
vascular permeation	9	9	0	0.13
pSTAT3 high expression	10	11	1	0.6
SOCS3 high expression	15	13	2	0.5

Supplementary Table S4C. MPHOSPH1 expression and clinicopathological variables in YST

Yolk sac tumor	total	MPHOSPH1 expression		<i>P</i> value
		High (n = 8)	Low (n = 2)	
Age		28.1 (21–45)	38.5 (38–39)	0.15
≥pT2	4	4	0	0.2
≥N1	3	1	2	0.052
≥M1	3	3	0	0.3
Tumor marker elevated (any of LDH, AFP, HCG)	9	7	2	0.6
lymphatic permeation	1	1	0	0.59
vascular permeation	3	3	0	0.3
pSTAT3 high expression	8	7	1	0.23
SOCS3 high expression	6	6	0	0.053

Abbreviations: SE, seminoma; EC, embryonal carcinoma; YST, yolk sac tumor