

Table SI. DNA methylation of SLIT2 gene in human OCCC patients obtained from the GSE51820 publicly available dataset.

OCCC sample	SLIT2 methylation probe <sup>a</sup>				
	cg03742003 (5'-UTR)	cg08428452 (5'-UTR)	cg13078140 (TSS)	cg13281139 (TSS)	cg15469350 (TSS)
GSM1253204	M	M	U	U	M
GSM1253213	U	U	U	U	U
GSM1253222	M	U	U	U	M
GSM1253231	U	M	U	M	M
GSM1253234	M	M	M	M	M
GSM1253240	M	M	M	M	M
GSM1253243	M	U	U	U	U
GSM1253252	M	U	U	U	U
GSM1253261	M	U	U	U	M
GSM1253270	M	M	U	U	M
GSM1253279	M	M	M	M	M
GSM1253288	M	M	M	M	M
GSM1253289	M	M	U	U	M
Methylation, %	85	62	31	38	77

<sup>a</sup>SLIT2 methylation probe value of OCCC higher than the mean of normal ovarian surface epithelium + 1SD indicated hypermethylation. OCCC, ovarian clear cell carcinoma; M, hypermethylation; U, unmethylation; UTR, untranslated region; SLIT2, slit guidance ligand 2; TSS, transcription start site.

Table SII. Clinicopathological data of five patients with ovarian clear cell carcinoma.

Sample no.	Age, years	Diagnosis	Tumor grade	Tumor stage
T7	36	Clear cell	FIGO G3: Poorly differentiated	IA
T12	59	Clear cell	Not Reported	IB
T13	60	Clear cell	FIGO G3: Poorly differentiated	IC
T39	56	Clear cell	FIGO G3: Poorly differentiated	IIIC
T47	54	Clear cell	FIGO G3: Poorly differentiated	IIIC

FIGO, International Federation of Gynecology and Obstetrics.

Table III. SLIT2 mRNA expression and clinical follow-up findings for the GSE8841 and GSE65986 projects.

## A, GSE65986\_230130

Sample	Histology	Grade	Stage	PFS, months	Relapse	SLIT2 expression <sup>a</sup>
GSM1612097	Clear cell	-	1C	11	No	high
GSM1612098	Clear cell	-	1C	57	No	high
GSM1612099	Clear cell	-	1A	52	No	high
GSM1612100	Clear cell	-	1C	44	No	low
GSM1612101	Clear cell	-	1C	42	No	high
GSM1612102	Clear cell	-	1C	42	No	high
GSM1612103	Clear cell	-	1A	49	No	high
GSM1612104	Clear cell	-	1C	48	No	high
GSM1612105	Clear cell	-	4	46	No	high
GSM1612106	Clear cell	-	1C	40	No	high
GSM1612107	Clear cell	-	1C	36	No	high
GSM1612108	Clear cell	-	1C	36	No	high
GSM1612109	Clear cell	-	2C	19	Yes	low
GSM1612110	Clear cell	-	1C	1	No	high
GSM1612111	Clear cell	-	1A	32	No	high
GSM1612112	Clear cell	-	1A	30	No	high
GSM1612113	Clear cell	-	1C	30	No	high
GSM1612114	Clear cell	-	1C	29	No	high
GSM1612115	Clear cell	-	1C	14	No	high
GSM1612116	Clear cell	-	4	5	Yes	low
GSM1612117	Clear cell	-	1C	6	Yes	low
GSM1612118	Clear cell	-	3C	2	Yes	high
GSM1612119	Clear cell	-	3C	11	Yes	high
GSM1612120	Clear cell	-	4	14	Yes	high
GSM1612121	Clear cell	-	1C	3	No	high

## B, GSE8841\_18199

Sample	Histology	Grade	Stage	PFS, months	Relapse	SLIT2 expression <sup>a</sup>
GSM213927	Clear cell	3	1C	24	Yes	high
GSM213934	Clear cell	3	1C	87	No	high
GSM213936	Clear cell	3	1C	25	Yes	low
GSM213939	Clear cell	3	1C	58	No	high
GSM213945	Clear cell	3	1C	20	Yes	high
GSM213952	Clear cell	3	1C	113	No	high
GSM213959	Clear cell	2	1C	112	No	high
GSM213965	Clear cell	3	1C	22	Yes	low
GSM213966	Clear cell	3	1C	44	Yes	high
GSM213971	Clear cell	3	1C	16	No	high
GSM213973	Clear cell	3	1C	45	No	high
GSM213977	Clear cell	3	1A	139	No	low
GSM213978	Clear cell	3	1C	94	No	high
GSM213979	Clear cell	3	1C	35	Yes	high
GSM213984	Clear cell	3	1C	39	No	high
GSM213988	Clear cell	3	1A	14	No	high

<sup>a</sup>SLIT2 value less than the mean -1SD) indicated 'low' expression, otherwise marked as 'high' expression. PFS, progression-free survival; SLIT2, slit guidance ligand 2.