

## Supplementary Information for

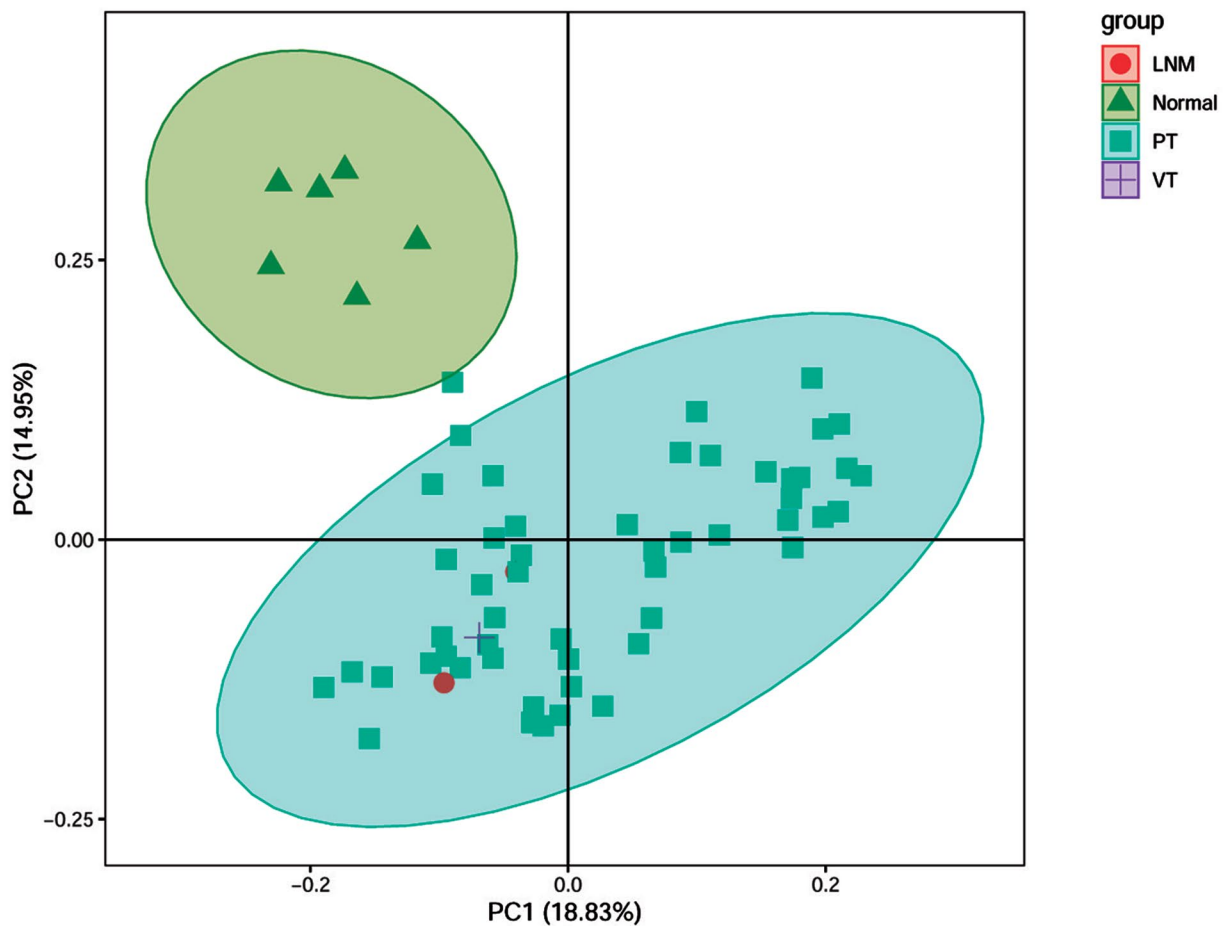
# Gene Expression Microarray Data Meta-Analysis Identifies Candidate Genes and Molecular Mechanism Associated with Clear Cell renal Cell Carcinoma

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**Fig.S1:** Principal component analysis for 56 clear cell renal cell carcinoma tissue samples and 6 normal tissue samples. LNM; Lymph node metastasis, VT; Venous thrombus metastasis, PT; Primary tumor.

**Table S1:** The samples selected from GSE781

Accession	Sample	Age (Y)	Gender	Kidney	Grade	Capsule penetration	Sinus invasion
GSM11805	N035 normal human kidney U133A	70	F	right	III	+	-
GSM11814	C035 renal clear cell carcinoma U133A	70	F	right	III	+	-
GSM11823	N023 normal human kidney U133A	72	F	right	I	+	-
GSM11830	C023 renal clear cell carcinoma U133A	72	F	right	I	+	-
GSM12067	C001 renal clear cell carcinoma U133A	58	M	left	I	+	-
GSM12075	N001 normal human kidney U133A	58	M	left	I	+	-
GSM12079	C005 renal clear cell carcinoma U133A	64	M	right	I	-	-
GSM12098	N005 normal human kidney U133A	64	M	right	I	-	-
GSM12100	C011 renal clear cell carcinoma U133A	55	M	left	III	+	-
GSM12105	C032 renal clear cell carcinoma U133A	65	F	right	III	+	+
GSM12268	N1 normal human kidney U133A	51	M	left	III	-	+
GSM12270	C2 renal clear cell carcinoma U133A	67	M	right	II	-	+
GSM12283	N2 renal clear cell carcinoma U133A	67	M	right	II	-	+
GSM12298	C3 renal clear cell carcinoma U133A	50	M	left	II	-	-
GSM12300	N3 renal clear cell carcinoma U133A	50	M	left	II	-	-
GSM12399	C4 renal clear cell carcinoma U133A	65	M	left	I	+	-
GSM12444	N4 renal clear cell carcinoma U133A	65	M	left	I	+	-

F; Female and M; Male.

**Table S2:** The samples selected from GSE6344

Accession	Sample	Type	Stage	Genechips
GSM146778	PT#2	Normal	I	HG-U133A
GSM146779	PT#2	Tumor	I	HG-U134A
GSM146780	PT#3	Normal	I	HG-U135A
GSM146781	PT#3	Tumor	I	HG-U136A
GSM146782	PT#4	Normal	I	HG-U137A
GSM146783	PT#4	Tumor	I	HG-U138A
GSM146784	PT#5	Normal	I	HG-U139A
GSM146785	PT#5	Tumor	I	HG-U140A
GSM146786	PT#6	Normal	I	HG-U141A
GSM146787	PT#6	Tumor	I	HG-U142A
GSM146788	PT#8	Tumor	II	HG-U143A
GSM146789	PT#8	Normal	II	HG-U144A
GSM146790	PT#9	Normal	II	HG-U145A
GSM146791	PT#9	Tumor	II	HG-U146A
GSM146792	PT#10	Normal	II	HG-U147A
GSM146793	PT#10	Tumor	II	HG-U148A
GSM146794	PT#11	Normal	II	HG-U149A
GSM146795	PT#11	Tumor	II	HG-U150A
GSM146796	PT#12	Normal	II	HG-U151A
GSM146797	PT#12	Tumor	II	HG-U152A

**Table S3:** The samples selected from GSE53000

<b>Accession</b>	<b>Sample</b>	<b>Type</b>	<b>Tissue</b>	<b>Age (Y)</b>	<b>Sex</b>
GSM1279951	EV002	Normal kidney	Normal adult kidney	59	M
GSM1279952	EV003	Normal kidney	Normal adult kidney	64	F
GSM1279953	EV005	Normal kidney	Normal adult kidney	79	F
GSM1279954	EV007	Normal kidney	Normal adult kidney	59	F
GSM1279955	RMH002	Normal kidney	Normal adult kidney	63	M
GSM1279956	RMH008	Normal kidney	Normal adult kidney	63	M
GSM1279957	EV002	Primary tumor region	Clear cell renal cell carcinoma	59	M
GSM1279959	EV002	Primary tumor region	Clear cell renal cell carcinoma	59	M
GSM1279960	EV002	Primary tumor region	Clear cell renal cell carcinoma	59	M
GSM1279962	EV002	Primary tumor region	Clear cell renal cell carcinoma	59	M
GSM1279963	EV002	Primary tumor region	Clear cell renal cell carcinoma	59	M
GSM1279964	EV003	Primary tumor region	Clear cell renal cell carcinoma	64	F
GSM1279965	EV003	Primary tumor region	Clear cell renal cell carcinoma	64	F
GSM1279966	EV003	Primary tumor region	Clear cell renal cell carcinoma	64	F
GSM1279967	EV003	Primary tumor region	Clear cell renal cell carcinoma	64	F
GSM1279968	EV003	Primary tumor region	Clear cell renal cell carcinoma	64	F
GSM1279969	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279970	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279971	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279972	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279973	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279974	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279975	EV005	Primary tumor region	Clear cell renal cell carcinoma	79	F
GSM1279976	EV006	Primary tumor region	Clear cell renal cell carcinoma	65	M
GSM1279977	EV006	Primary tumor region	Clear cell renal cell carcinoma	65	M
GSM1279978	EV006	Primary tumor region	Clear cell renal cell carcinoma	65	M
GSM1279979	EV006	Primary tumor region	Clear cell renal cell carcinoma	65	M
GSM1279980	EV006	Primary tumor region	Clear cell renal cell carcinoma	65	M
GSM1279982	EV006	Primary tumor region	Clear cell renal cell carcinoma lymph node metastasis	65	M
GSM1279983	EV006	Lymph node metastasis	Clear cell renal cell carcinoma lymph node metastasis	65	M
GSM1279984	EV006	Lymph node metastasis	Clear cell renal cell carcinoma	65	M
GSM1279985	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279986	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F

Table S3: Continued

Accession	Sample	Type	Tissue	Age (Y)	Sex
GSM1279987	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279988	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279989	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279990	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279991	EV007	Primary tumor region	Clear cell renal cell carcinoma	59	F
GSM1279992	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279993	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279994	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279995	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279996	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279997	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279998	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1279999	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1280000	RK26	Primary tumor region	Clear cell renal cell carcinoma	47	M
GSM1280001	RMH002	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280002	RMH002	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280003	RMH002	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280004	RMH002	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280005	RMH004	Primary tumor region	Clear cell renal cell carcinoma	61	M
GSM1280006	RMH004	Primary tumor region	Clear cell renal cell carcinoma	61	M
GSM1280007	RMH004	Primary tumor region	Clear cell renal cell carcinoma	61	M
GSM1280010	RMH004	Primary tumor region	Clear cell renal cell carcinoma	61	M
GSM1280012	RMH004	Venous thrombus	Clear cell renal cell carcinoma venous thrombus	61	M
GSM1280013	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280014	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280015	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280016	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280017	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M
GSM1280018	RMH008	Primary tumor region	Clear cell renal cell carcinoma	63	M

F; Female and M; Male.