

Table S1. Renal cell carcinoma (RCC)-related long non-coding RNAs.

lncRNA name	Disease name	Dysfunction type	Description	Chr	Start	End	Strand	Species	Alias	Genbank	Sequence	Reference
GAS5	Kidney cancer	Expression	Tumor suppressor	chr1	1.74E+08	1.74E+08	-	Human	NCRNA00030; SNHG2	NR_002578	Gene/RNA	24373479
H19	Kidney cancer	Regulation	Tumor suppressor; tumor suppressor host	chr11	1995176	2001466	-	Human	ASM; ASM1; BWS; D11S813E; LINC00008; NCRNA00008; WT2	NR_131223	Gene/RNA	24373479
HIF1A-AS1	Kidney cancer	Expression	The antitumor DNA topoisomerase I (Top1) inhibitor camptothecin (CPT) increases the cellular levels of two antisense lncRNAs at the 5' (5'aHIF-1 α) and 3' (3'aHIF-1 α) ends of the human <i>HIF1A-AS1</i> gene.	chr14	61681041	61695823	-	Human	5'aHIF-1A; 5'aHIF1alpha	NR_047116	Gene/RNA	21897117
HIF1A-AS1	Kidney cancer	Expression	Diagnostic and discriminative marker	chr14	61681041	61695823	-	Human	5'aHIF-1A; 5'aHIF1alpha	NR_047116	Gene/RNA	24373479
HIF1A-AS1	Kidney cancer	Expression	Overexpressed in human renal cancer and during hypoxia	chr14	61681041	61695823	-	Human	5'aHIF-1A; 5'aHIF1alpha	NR_047116	Gene/RNA	9923855
HIF1A-AS2	Kidney cancer	Expression	Diagnostic and discriminative marker	chr14	61747039	61749089	-	Human	3'aHIF-1A; aHIF	NR_045406	Gene/RNA	24373479
KCNQ1OT1	Kidney cancer	Regulation	Oncogene	chr11	2608328	2699998	-	Human	KCNQ1-AS2; KCNQ10T1; Kncq1; KvDMR1; KvLQT1-AS; LIT1; NCRNA00012	NR_002728	Gene/RNA	24373479
MALAT1	Kidney cancer	Regulation	Oncogene	chr11	65497679	65504494	+	Human	HCN; LINC00047; NCRNA00047; NEAT2; PRO2853	NR_002819	Gene/RNA	24373479

Table S1. Continued.

lncRNA name	Disease name	Dysfunction type	Description	Chr	Start	End	Strand	Species	Alias	Genbank	Sequence	Reference
MEG3	Kidney cancer	Expression	Tumor suppressor	chr14	1.01E+08	1.01E+08	+	Human	FP504; GTIL2; LINC00023; NCRNA00023; PRO0518; PRO2160; onco-lncRNA-83; prebp1	NR_046472	Gene/RNA	24373479
PVT1	Kidney cancer	Mutation	Variants (rs13447075, A>C; rs2648862, A>C) in the plasmacytoma variant translocation gene (<i>PVT1</i>) are associated with end-stage renal disease attributed to type 1 diabetes.	chr8	1.28E+08	1.28E+08	+	Human	LINC00079; MYC; NCRNA00079; onco-lncRNA-100	NR_003367	Gene/RNA	17881614
EPB41L4A-AS2	Kidney cancer	Regulation	The long non-coding RNA EPB41L4A-AS2 inhibits tumor proliferation and is associated with favorable prognoses in breast cancer and other solid tumors.	chr5	1.12E+08	1.12E+08	+	Human	N/A	NR_027706	Gene/RNA	26980733
MALAT1	Kidney cancer	Expression	MALAT1 may serve as a potential prognostic biomarker for various cancers	chr11	65497679	65504494	+	Human	HCN; LINC00047; NCRNA00047; NEAT2; PRO2853	NR_002819	Gene/RNA	26254614