

**TableS-4.** Tumor proteins identified in plasma of a patient diagnosed with RCC using subtractive proteomics.

Protein <sup>a</sup>	Gene <sup>b</sup>	Location <sup>c</sup>	Cancer <sup>d</sup>	Accession <sup>e</sup>
Cadherin-5	CDH5	membrane	breast	P33151
Cadherin-11	CDH11	membrane	RCC	P55287
DEAD box protein 23	DDX23	nucleus	colon	Q9BUQ8
Kidney and brain protein	WWC1	cytoplasm	breast	Q8IX03
Mi2-beta	CHD4	nucleus	ovary	Q14839
Nuclear receptor coactivator 6	NCOA6	nucleus	gastric	Q14686
Pyruvate kinase 2/3	PKM2	cytoplasm	RCC	P14618
Vascular cell adhesion protein 1	VCAM1	membrane	RCC	P19320

<sup>a</sup> Protein name (UniProtKB/Swiss-Prot), <sup>b</sup> Gene name (UniProtKB/Swiss-Prot), <sup>c</sup> Subcellular location (Ingenuity Pathway Analysis), <sup>d</sup> Expression confirmed in cancer (Ingenuity Pathway Analysis), <sup>e</sup> Accession number (UniProtKB/Swiss-Prot).

**Table S-5.** All peptides identifying cadherin-5 detected by LC-MS/MS analysis of tumor sample.

Protein <sup>a</sup>	Gene <sup>b</sup>	MH <sup>+</sup> <sup>c</sup>	z <sup>d</sup>	Xcorr <sup>e</sup>	ΔCn <sup>f</sup>	Peptide sequence
Cadherin-5	CDH5	1105.53716	2	2.7013	0.6224	K.ELDSTGTPTGK.E
Cadherin-5	CDH5	1105.53716	1	2.2155	0.5139	K.ELDSTGTPTGK.E
Cadherin-5	CDH5	1105.53716	2	2.7275	0.7069	K.ELDSTGTPTGK.E
Cadherin-5	CDH5	1105.53716	1	2.7441	0.4692	K.ELDSTGTPTGK.E
Cadherin-5	CDH5	966.48909	2	3.0493	0.2333	K.KGDIYNEK.E
Cadherin-5	CDH5	966.48909	2	2.8634	0.3334	K.KGDIYNEK.E
Cadherin-5	CDH5	1667.9149	2	4.0874	0.7237	K.KPLIGTVLAMPDAAR.H
Cadherin-5	CDH5	1667.9149	3	4.5346	0.6711	K.KPLIGTVLAMPDAAR.H
Cadherin-5	CDH5	1667.9149	2	4.1881	0.6923	K.KPLIGTVLAMPDAAR.H
Cadherin-5	CDH5	1667.9149	3	4.4553	0.5157	K.KPLIGTVLAMPDAAR.H
Cadherin-5	CDH5	1085.53743	2	3.1732	0.5031	R.TSDKGQFFR.V
Cadherin-5	CDH5	1085.53743	2	3.1009	0.4432	R.TSDKGQFFR.V

<sup>a</sup> Protein name (UniProtKB/Swiss-Prot), <sup>b</sup> Gene name (UniProtKB/Swiss-Prot), <sup>c</sup> Calculated mass for a given singly-charged peptide, <sup>d</sup> Charge state of the precursor ion selected for CID, <sup>e</sup> Cross-correlation score, <sup>f</sup> Delta correlation score.

**Table S-6.** All peptides identifying cadherin-5 detected by LC-MS/MS in plasma.

Protein <sup>a</sup>	Gene <sup>b</sup>	MH <sup>+</sup> <sup>c</sup>	z <sup>d</sup>	Xcorr <sup>e</sup>	ΔCn <sup>f</sup>	Peptide sequence
Cadherin-5	CDH5	1105.537	2	2.9475	0.5093	K.ELDSTGTPTGK.E
Cadherin-5	CDH5	1667.915	2	3.5155	0.6865	K.KPLIGTVLAMPDAAR.H

<sup>a</sup> Protein name (UniProtKB/Swiss-Prot), <sup>b</sup> Gene name (UniProtKB/Swiss-Prot), <sup>c</sup> Calculated mass for a given singly-charged peptide, <sup>d</sup> Charge state of the precursor ion selected for CID, <sup>e</sup> Cross-correlation score, <sup>f</sup> Delta correlation score.