

Supplementary Table 1. Cancer metastasis related protein for docking study

Number	Gene	Protein
No.1	<i>HTCF4</i>	Human T-Cell Transcription Factor-4
No.2	<i>EXO1</i>	exonuclease 1
No.3	<i>DLC-1</i>	Deleted in liver cancer-1
No.4	<i>SLC19A1</i>	solute carrier family 19 (folate transporter), member 1
No.5	<i>NQO1</i>	NAD(P)H dehydrogenase, quinone 1
No.6	<i>MIEN1</i>	migration and invasion enhancer 1
No.7	<i>SCAI</i>	suppressor of cancer cell invasion
No.8	<i>DHFR</i>	dihydrofolate reductase
No.9	<i>VEGFR1</i>	Vascular endothelial growth factor receptor 1
No.10	<i>GSTP1</i>	glutathione S-transferase pi 1
No.11	<i>MIIP</i>	migration and invasion inhibitory protein
No.12	<i>TIAM1</i>	T-cell lymphoma invasion and metastasis 1
No.13	<i>MAPKs</i>	Mitogen-activated protein kinases
No.14	<i>PTEN</i>	phosphatase and tensin homolog
No.15	<i>EGFR</i>	epidermal growth factor receptor
No.16	<i>ICAM-1</i>	Intercellular Adhesion Molecule 1
No.17	<i>ITGB4</i>	Integrin-beta 4
No.18	<i>GSTM3</i>	glutathione S-transferase mu 3
No.19	<i>MLCK</i>	Myosin light-chain kinase
No.20	<i>SOD3</i>	superoxide dismutase 3, extracellular

No.21	<i>TIAM2</i>	T-cell lymphoma invasion and metastasis 2
No.22	<i>TTIM1</i>	T-cell tumor invasion and metastasis 1
No.23	<i>NOS3</i>	nitric oxide synthase 3
No.24	<i>CCNB1IP1</i>	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase
No.25	<i>MRII</i>	methylthioribose-1-phosphate isomerase 1
No.26	<i>STIM1</i>	Stromal interaction molecule 1
No.27	<i>NQO1</i>	NAD(P)H dehydrogenase, quinone 1
No.28	<i>CYP2D6</i>	cytochrome P450, family 2, subfamily D, polypeptide 6
No.29	<i>CEMIP</i>	cell migration inducing protein, hyaluronan binding
No.30	<i>CYP19A1</i>	cytochrome P450, family 19, subfamily A, polypeptide 1
No.31	<i>GSK-3β</i>	Glycogen synthase kinase 3beta
No.32	<i>AXIN</i>	axin
No.33	<i>FN1</i>	fibronectin 1
No.34	<i>GSTT1</i>	glutathione S-transferase theta 1
No.35	<i>A3AR</i>	Adenosine A3 receptor
No.36	<i>IGF1R</i>	Insulin-like growth factor I receptor
No.37	<i>DLH5</i>	discs, large homolog 5
No.38	<i>HSP90</i>	Heat shock protein 90
No.39	<i>UMPS</i>	uridine monophosphate synthetase
No.40	<i>MALAT1</i>	metastasis associated lung adenocarcinoma transcript 1

		(non-protein coding)
No.41	<i>REV3L</i>	REV3-like, polymerase (DNA directed), zeta, catalytic subunit
No.42	<i>MTSSI</i>	metastasis suppressor 1
No.43	<i>UMPS</i>	uridine monophosphate synthetase
No.44	<i>MTA1</i>	metastasis associated 1
No.45	<i>MTSSIL</i>	metastasis suppressor 1-like
No.46	<i>SOD2</i>	superoxide dismutase 2, mitochondrial
No.47	<i>KISS1</i>	KiSS-1 metastasis-suppressor
No.48	<i>MTA3</i>	metastasis associated 1 family, member 3
No.49	<i>WDR7</i>	WD repeat domain 7
No.50	<i>MMP-9</i>	matrix metalloproteinase 9
No.51	<i>PON1</i>	paraoxonase 1
No.52	<i>MMP-2</i>	matrix metalloproteinase 2
No.53	<i>TK1</i>	thymidine kinase 1, soluble
No.54	<i>MTA2</i>	metastasis associated 2
No.55	<i>SDCCAG8</i>	serologically defined colon cancer antigen 8
No.56	<i>CASC2</i>	cancer susceptibility candidate 2
No.57	<i>SDCCAG3P1</i>	serologically defined colon cancer antigen 3 pseudogene 1
No.58	<i>HULC</i>	highly up-regulated in liver cancer long non-coding RNA
No.59	<i>CT45B1P</i>	cancer/testis antigen family 45, member B1 pseudogene
No.60	<i>CT45A7</i>	cancer/testis antigen family 45, member A7

No.61	<i>CT45A8</i>	cancer/testis antigen family 45, member A8
No.62	<i>CT45A9</i>	cancer/testis antigen family 45, member A9
No.63	<i>UGT2B17</i>	UDP glucuronosyltransferase 2 family, polypeptide B17
No.64	<i>VEGFA</i>	vascular endothelial growth factor A
No.65	<i>UGT2B4</i>	UDP glucuronosyltransferase 2 family, polypeptide B4
No.66	<i>UGT2B5</i>	UDP glucuronosyltransferase 2 family, polypeptide B5
No.67	<i>UGT2B6</i>	UDP glucuronosyltransferase 2 family, polypeptide B6
No.68	<i>UGT2B7</i>	UDP glucuronosyltransferase 2 family, polypeptide B7
No.69	<i>UGT2B8</i>	UDP glucuronosyltransferase 2 family, polypeptide B8
No.70	<i>UPA</i>	urokinase-type plasminogen activator
No.70	<i>TGFRB</i>	Transforming growth factor receptor b
No.71	<i>OIP5</i>	Opa interacting protein 5
No.72	<i>SCF</i>	Stem cell factor
No.73	<i>TNFRSF12A</i>	tumor necrosis factor receptor superfamily member 12A
No.74	<i>FAM46C</i>	Family-with-sequence-similarity-46 C
No.75	<i>NEK2</i>	Never in mitosis gene A

		(NIMA)-related kinase 2
No.76	<i>TALIN1</i>	Talin-1
No.77	<i>CAPZA1</i>	Capping Actin Protein Of Muscle Z-Line Alpha Subunit 1
No.78	<i>RKIP</i>	Raf kinase inhibitor protein
No.79	<i>BCL9</i>	B-cell CLL/lymphoma 9
No.80	<i>FAK</i>	focal adhesion kinase
No.81	<i>CHKA</i>	Choline kinase alpha
No.82	<i>RYBP</i>	Ring1- and YY1-binding protein
No.83	<i>ALDH2</i>	Aldehyde Dehydrogenase-2
No.84	<i>NEK2</i>	NIMA-related expressed kinase 2
No.85	<i>PRSS8</i>	Protease serine 8
No.86	<i>A7</i>	Annexin seven
No.87	<i>TMED3</i>	Transmembrane p24 trafficking protein 3
No.88	<i>hEXO1</i>	Human exonuclease 1
No.89	<i>MAZ</i>	MYC associated zinc finger protein
No.90	<i>MARCO</i>	macrophage receptor with collagenous structure
No.91	<i>HACE1</i>	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1
No.92	<i>CTSS</i>	Cathepsin S
No.93	<i>GPC-3</i>	membrane-associated heparan sulfate proteoglycan glypican-3
No.94	<i>FBP1</i>	fructose-1, 6-bisphosphatase 1
No.95	<i>Cav1</i>	caveolin-1
No.96	<i>MSI2</i>	Musashi 2
No.97	<i>TJPI</i>	tight junction protein ZO-1

No.98	<i>Ovol2</i>	Ovo-like family2
No.99	<i>IL-6</i>	Interleukin-6
No.100	<i>USP16</i>	ubiquitin specific peptidase 16
No.101	<i>Sulf-1</i>	Sulfatase-1
No.102	<i>Hint1</i>	Histidine triad nucleotide-binding protein 1
No.103	<i>GOLM1</i>	Golgi membrane protein 1
No.104	<i>SHP</i>	Small heterodimer partner
No.105	<i>EP3</i>	prostaglandin E receptor 3
No.106	<i>SOCS2</i>	cytokine signaling 2
No.107	<i>IKKα</i>	inhibitor- κ B kinase- α
No.108	<i>Sp1</i>	Transcription factor specificity protein 1
No.109	<i>HIF1α</i>	hypoxia-inducible factor 1 α
No.110	<i>AEG-1</i>	Astrocyte-elevated gene-1
No.111	<i>CDH1</i>	E-cadherin
No.112	<i>DLX2</i>	Distal-less homeobox 2
No.113	<i>HDGF</i>	hepatoma-derived growth factor
No.114	<i>RECK</i>	reversion-inducing-cysteine-rich protein with Kazal motifs
No.115	<i>PTPN12</i>	nonreceptor-type 12
No.116	<i>HUWE1</i>	WWE domain containing 1
No.117	<i>GAB1</i>	GRB2-associated binding protein 1
No.118	<i>ASGR</i>	asialoglycoprotein receptor
No.119	<i>MTSS1</i>	Metastasis suppressor 1
No.120	<i>TMEM9</i>	transmembrane protein 9
No.121	<i>HNF4α</i>	Hepatocyte nuclear factor 4 α
No.122	<i>K19</i>	keratin 19
No.123	<i>CTSC</i>	Cathepsin C
