

Supplementary Table 1. Selected group of genes whose expression was found up- or down-regulated by a factor of at least 1.5-fold in HeLa spheroid cells compared with HeLa monolayer cells.

Cancer-initiating cells (CICs)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>CD44</i>	CD44 molecule (Indian blood group)	NM_000610.3	11.95
<i>ITGB1</i>	Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	NM_002211.3	5.29
<i>PSCA</i>	Prostate stem cell antigen	NM_005672.4	2.37
<i>NT5E</i>	5'-nucleotidase, ecto (CD73)	NM_002526.3	12.73
<i>PCGF4</i>	BMI1 polycomb ring finger oncogene	NM_005180.8	2.66
<i>ABCG2</i>	ATP-binding cassette, sub-family G (WHITE), member 2	NM_004827.2	3.02
<i>ALCAM</i>	Activated leukocyte cell adhesion molecule	NM_001627.2	3.17
<i>MET</i>	Met proto-oncogene (hepatocyte growth factor receptor)	NM_001127500.1	2.94
<i>ITGA6</i>	Integrin, alpha 6	NM_001079818.1	3.79
<i>KRT15</i>	Keratin 15	NM_002275.3	2.40

Epithelial to mesenchymal transition (EMT)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>SERPINE1</i>	Serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	NM_000602.3	2.43
<i>YBX1</i>	Y box binding protein 1	NM_004559.3	2.91
<i>ACTC1</i>	Actin, alpha, cardiac muscle 1	NM_005159.4	2.88
<i>SMAD2</i>	SMAD family member 2	NM_005901.4	2.59
<i>CTNNB1</i>	Catenin (cadherin-associated protein), beta 1, 88kDa	NM_001904.3	1.67
<i>DSP</i>	Desmoplakin	NM_004415.2	-2.25
<i>VIM</i>	Vimentin	NM_003380.3	3.99
<i>ITGA5</i>	Integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	NM_002205.2	2.92
<i>ITGAV</i>	Integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	NM_002210.3	1.96
<i>LEF1</i>	Lymphoid enhancer-binding factor 1	NM_016269.4	1.76

Non-homologous end-joining (NHEJ)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>XRCC6</i>	X-ray repair complementing defective repair in Chinese hamster cells 6	NM_001469.3	2.75
<i>XRCC5</i>	X-ray repair complementing defective repair in Chinese hamster cells 5	NM_021141.3	2.67
<i>XRCC4</i>	X-ray repair complementing defective repair in Chinese hamster cells 4	NM_003401.3	2.29
<i>XRCC2</i>	X-ray repair complementing defective repair in Chinese hamster cells 2	NM_005431.1	2.11

Homologous recombination (HR)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>RAD51L3</i>	RAD51-like 3	NM_002878.3	3.46
<i>RBBP8</i>	Retinoblastoma binding protein 8	NM_002894.2	2.82
<i>RAD54B</i>	RAD54 homolog B	NM_012415.3	2.57

Metabolism of reactive oxygen species (ROS)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>CYBA</i>	Cytochrome b-245, alpha polypeptide	NM_000101.2	3.16
<i>PRDX3</i>	Peroxiredoxin 3	NM_006793.2	3.66
<i>PRDX4</i>	Peroxiredoxin 4	NM_006406.1	2.27
<i>PRNP</i>	Prion protein	NM_000311.3	7.80
<i>SOD2</i>	Superoxide dismutase 2	NM_000636.2	3.16