

Supplementary Table 2. Selected group of genes whose expression was found up- or down-regulated by a factor of at least 1.5-fold in SiHa spheroid cells compared with SiHa 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	3.31
<i>ITGB1</i>	Integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	NM_002211.3	3.61
<i>PSCA</i>	Prostate stem cell antigen	NM_005672.4	5.77
<i>NT5E</i>	5'-nucleotidase, ecto (CD73)	NM_002526.3	2.17
<i>ENG</i>	Endoglin	NM_001114753.1	2.44
<i>MYC</i>	v-myc myelocytomatosis viral oncogene homolog	NM_002467.4	2.39
<i>ITGB6</i>	Integrin, beta 6	NM_000888.3	7.08
<i>MET</i>	Met proto-oncogene (hepatocyte growth factor receptor)	NM_001127500.1	2.32
<i>ITGA6</i>	Integrin, alpha 6	NM_001079818.1	2.66
<i>KRT15</i>	Keratin 15	NM_002275.3	2.90

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	5.99
<i>YBX1</i>	Y box binding protein 1	NM_004559.3	4.58
<i>SMAD3</i>	SMAD family member 3	NM_005902.3	2.67
<i>ACTC1</i>	Actin, alpha, cardiac muscle 1	NM_005159.4	2.53
<i>SMAD2</i>	SMAD family member 2	NM_005901.4	2.28
<i>CTNNB1</i>	Catenin (cadherin-associated protein), beta 1, 88kDa	NM_001904.3	1.82
<i>CDH1</i>	Cadherin 1, type 1, E-cadherin (epithelial)	NM_004360.3	-2.21
<i>TJP1</i>	Tight junction protein 1 (zona occludens 1)	NM_003257.3	-3.08
<i>DSP</i>	Desmoplakin	NM_004415.2	-5.04
<i>VIM</i>	Vimentin	NM_003380.3	

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	5.24
<i>XRCC4</i>	X-ray repair complementing defective repair in Chinese hamster cells 4	NM_003401.3	1.97

Homologous recombination (HR)-associated genes

Official symbol	Official full name	Genbank account no.	Fold change
<i>RAD51</i>	RAD51 homolog	NM_002875.4	2.52
<i>RAD21</i>	RAD21 homolog	NM_006265.2	2.35
<i>SHFM1</i>	Split hand/foot malformation (ectrodactyly) type 1	NM_006304.1	2.39

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	2.67
<i>PRDX3</i>	Peroxiredoxin 3	NM_006793.2	2.86
<i>PRDX4</i>	Peroxiredoxin 4	NM_006406.1	2.15
<i>PRNP</i>	Prion protein	NM_000311.3	4.63
<i>SOD2</i>	Superoxide dismutase 2	NM_000636.2	2.67