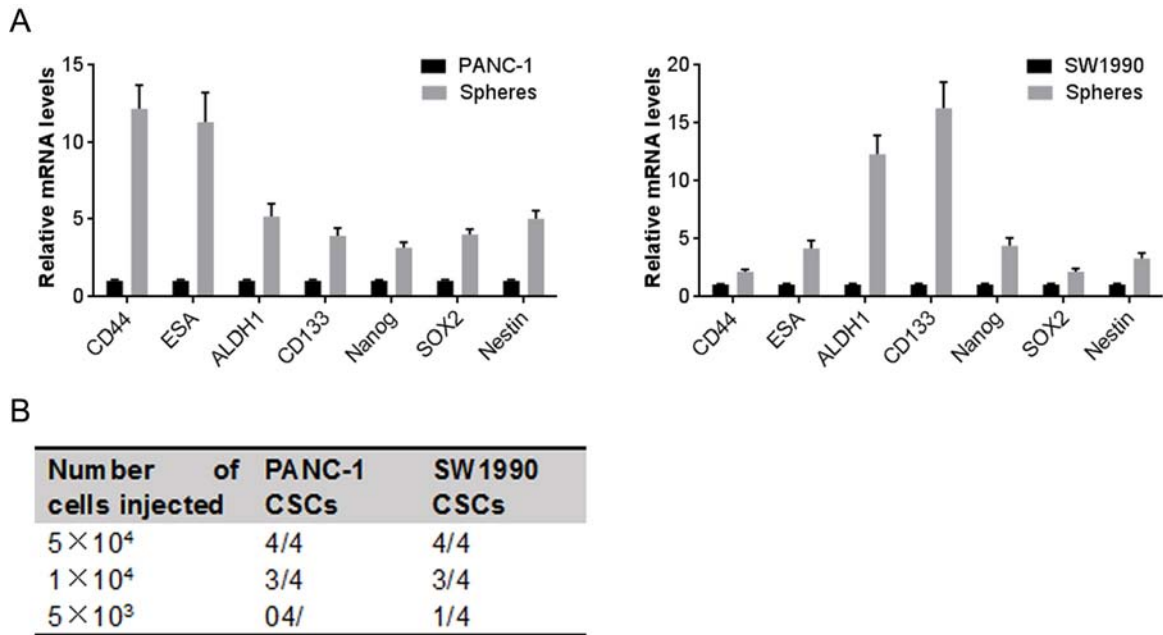
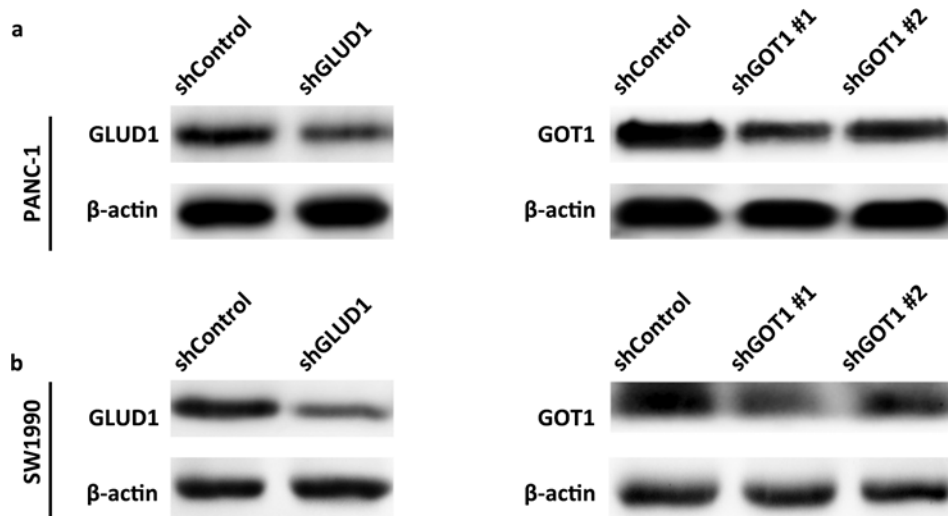


SUPPLEMENTARY FIGURES AND TABLES



Supplementary Figure S1: A. Relative mRNA expression of stemness-related genes (normalized to GAPDH) in PANC-1 (left panel) and SW1990 cells (right panel) as evaluated by qRT-PCR (spheres vs. parental cell line). B. Indicated numbers of spheroids cells were injected subcutaneously into nude mice, and the tumorigenicity rates are shown.



Supplementary Figure S2: A. Knockdown efficiencies of shRNA against GLUD1 and GOT1 in PANC-1 cells. B. Knockdown efficiencies of shRNA against GLUD1 and GOT1 in SW1990 cells.

Supplementary Table S1: The sequences of PCR primers

ALDH1	Forward Primer	5'-	GTT CCT GGT TAT GGG CCT AC	-3'
	Reverse Primer	5'-	CCT GGA TGC GGC TAT ACA AC	-3'
CD133	Forward Primer	5'-	GGTCTGGCGAGCTAAGGGAA	-3'
	Reverse Primer	5'-	GGGGAAGGCAAGCGTGTT	-3'
CD44	Forward Primer	5'-	TTTGCATTGCAGTCAACAGTC	-3'
	Reverse Primer	5'-	GTTACACCCCAATCTTCATGTCCAC	-3'
ESA	Forward Primer	5'-	ACCTGCTCTGAGCGAGTGAGAACCT	-3'
	Reverse Primer	5'-	GACCAGGATCCAGATCCAGTTG	-3'
GLS1	Forward Primer	5'-	GCTTTCCATGTTGGTCTTCC	-3'
	Reverse Primer	5'-	AAACAAGATCGTGACAAAAGTGAA	-3'
GLUD1	Forward Primer	5'-	GGGATTCTAACTACCACTTGCTCA	-3'
	Reverse Primer	5'-	AACTCTGCCGTGGGTACAAT	-3'
GOT1	Forward Primer	5'-	CAACTGGGATTGACCCAACT	-3'
	Reverse Primer	5'-	GGAACAGAAACCGGTGCTT	-3'
GOT2	Forward Primer	5'-	GGATCTGGAGGTCCCATTTTC	-3'
	Reverse Primer	5'-	ATGGCCCTGCTGCACTC	-3'
MDH1	Forward Primer	5'-	TAAGGTTATCGTGGTGGG	-3'
	Reverse Primer	5'-	TGCTTTAGCTCGGTTGTG	-3'
ME1	Forward Primer	5'-	GTTGCCCTTGGTGTGT	-3'
	Reverse Primer	5'-	GGATAAATGGTGGCTGTC	-3'
Nanog	Forward Primer	5'-	TCCAGCAGATGCAAGAACTCTCCA	-3'
	Reverse Primer	5'-	CACACCATTGCTATTCTTCGGCCA	-3'
SOX2	Forward Primer	5'-	ATGACCAGCTCGCAGACCTAC	-3'
	Reverse Primer	5'-	TTGACCACCGAACCCATGGAG	-3'