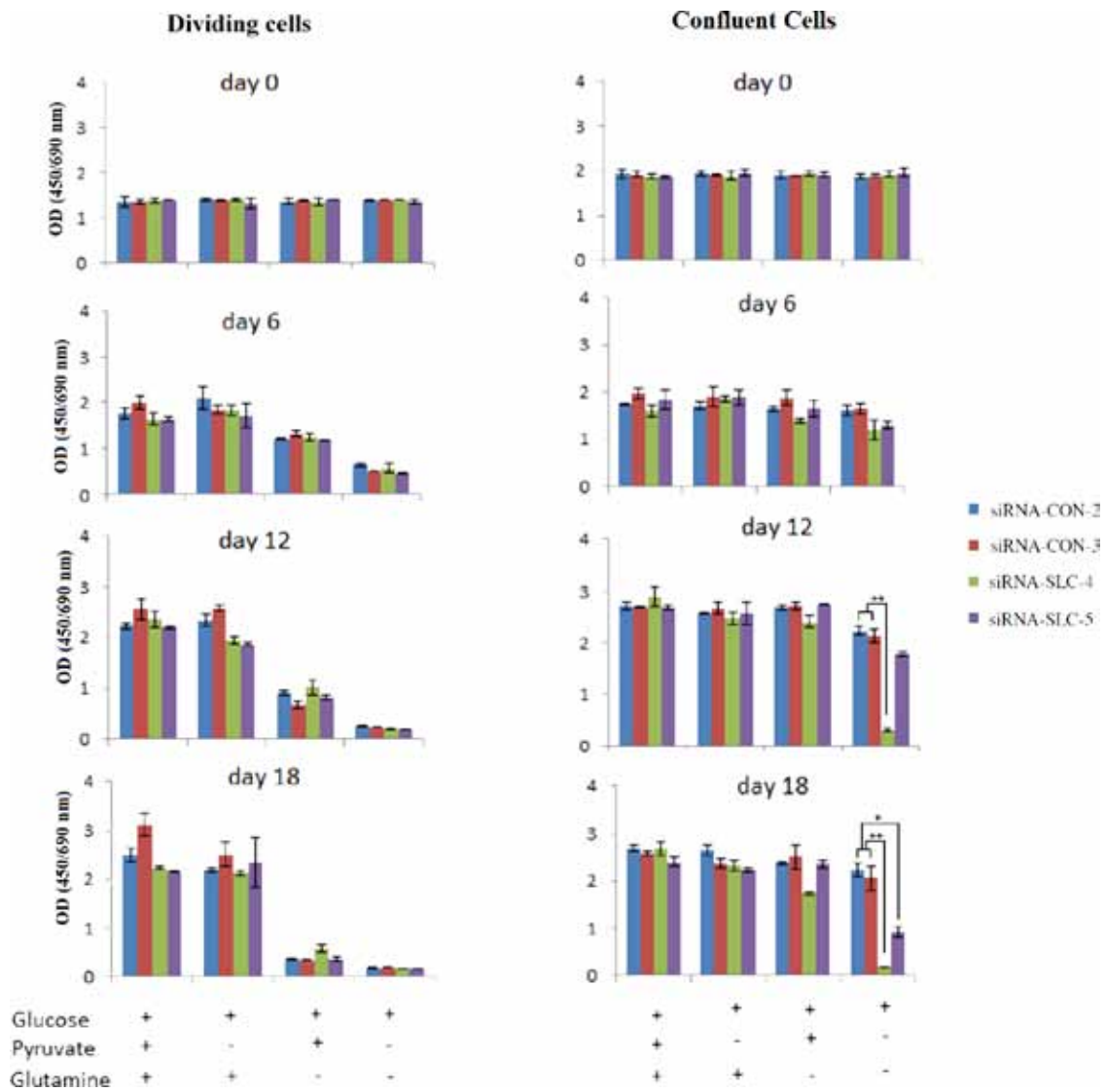
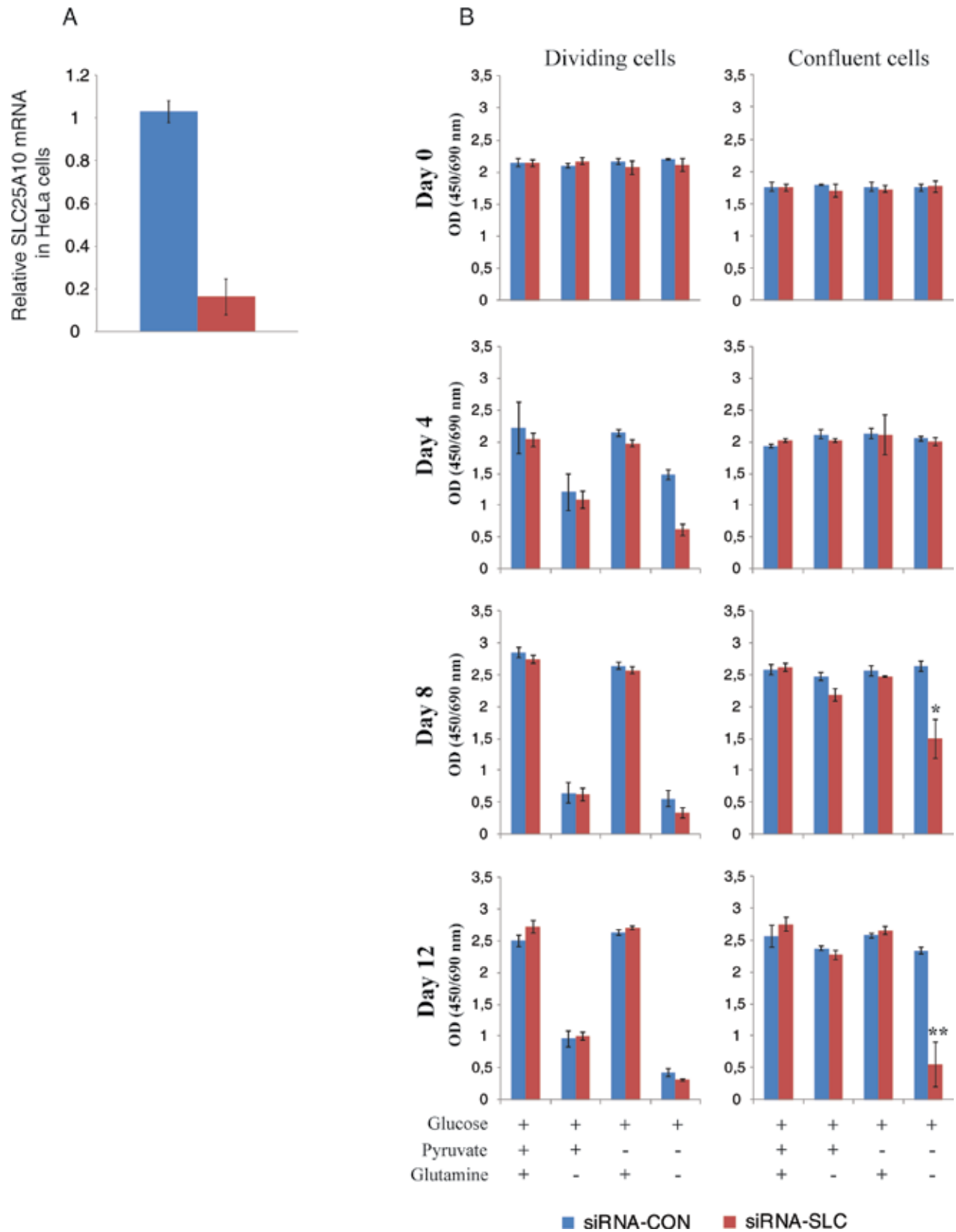


SUPPLEMENTARY FIGURES AND TABLES



**Supplementary Figure S1: SLC25A10 knockdown in A549 cells.** Glutamine sensitivity changes in proliferating and confluent cells. Glucose, glutamine and pyruvate concentrations were 25 mM, 2 mM and 1 mM respectively. The experiment was repeated 3 times, and all data are presented as mean  $\pm$  SD, \* represents  $p < 0.05$ ; \*\* represents  $p < 0.01$ .



**Supplementary Figure S2: SLC25A10 knockdown in HeLa cells.** (A) Gene expression of SLC25A10 in siRNA-CON and siRNA-SLC knockdown cells. (B) Glutamine sensitivity changes in proliferating and confluent cells. Glucose, glutamine and pyruvate concentrations were 25 mM, 2 mM and 1 mM respectively. The experiment was repeated 3 times, and all data are presented as mean  $\pm$  SD, \* represents  $p < 0.05$ ; \*\* represents  $p < 0.01$ .

**Supplementary Table S1: Sequences for the primers used in real-time PCR analysis**

SLC25A10	5'-CTTAGCACCGGGTACCTCTC-3' 5'-GCACATCCACCTGCAATAAA-3'
DRP1	5'-GCTCATTCTTCGGTTCATCA-3' 5'-GCGACCATCTGGATCTACCT-3'
MFN1	5'-ACTCCCCTGCTCCTACCAC-3' 5'-TCCAAATCACTCCTCCAACA-3'
GLUD1	5'-GACAGGATATCGGGTGCATCT-3' 5'-CATGGCTGTGCGCATAATT-3'
GLUD2	5'-GCCTTGGCATAACAATGGA-3' 5'-TGAAGGTCACACCAGCTTCAC-3'
PDHA1	5'-CTGAGAGTGGATGGAATGGA-3' 5'-AATAGGCAGCAGCAAACCTT-3'
LDHA	5'-ATGGAGATTCAGTGTGCCT-3' 5'-TGGGTGCAGAGTCTTCAGAG-3'
LDHB	5'-GAGGCAACAGTTCCAAACAA-3' 5'-AGCCAGAGACTTCCAGAA-3'
CDKN1A (p21)	5'-CAGACCAGCATGACAGATTC-3' 5'-TTAGGGCTTCCTCTTGAGAA-3'
GAPDH	5'-CATCTTCCAGGAGCGAGATCC-3' 5'-GCAAATGAGCCCCAGCCT-3'
TXN	5'-CAAGCCTTCTTTCATTCCC-3' 5'-ATGTTGGCATGCATTTGACT-3'
TXNRD1	5'-TGAACAAATTGAAGCAGGGA-3' 5'-TGCCAGCATCACCGTATTAT-3'
TXN2	5'-GCCGAGGTTAGAGAAGATGG-3' 5'-CACCGCTGACACCTCATACT-3'
TXNRD2	5'-GTGTCCAGCTTCAGGACAGA-3' 5'-GCAGAATCTTTCCACCT-3'
GSR	5'-ACTTGCGTGAATGTTGGATG-3' 5'-ACCCTCACAACCTTGAAAGC-3'
GSS	5'-AAGCCTATGCTGTGCAGATG-3' 5'-TTTGATGGTGCTGGAAAGAG-3'