

**Table S1.** Summary of shRNA constructs used to engineer gene knockdown in cells

Target gene	Clone ID	Mature antisense sequence
SLC1A5	V2THS_56725	TATCCATTCCTCATAATCC
	V2THS_413549	TGTGAACACATGTACTCCA
	V2THS_393624	AGAGTATGAGCGAAAGGCT
	V2THS_393625	AGGTGGTAGAGTATGAGCG
GLS1	V2THS_233550	TTAACAACTTCAACATGAC
	V2THS_95978	TTTACCATAGGATTATGTG
	V3THS_405623	AAAATATACATCACTACCA
GCLC	V2THS_236238	TCAATAAATCAGGTCCCAG
	V2THS_131972	AATTGCACCTCCATGGGTC
	V3THS_309857	TTCTCTTCAAACAGTGTCA
	V3THS_309858	TGAACTCGGACATTGTTCC
	V3THS_309859	AGATCTCTTTATCTATCGT
	V3THS_309856	ATGACACTGTCTTGCTTGT