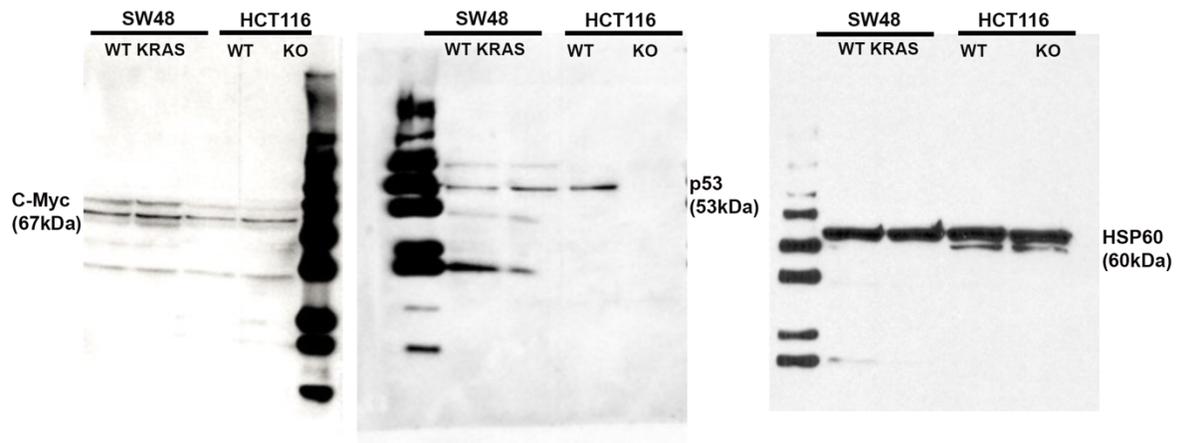


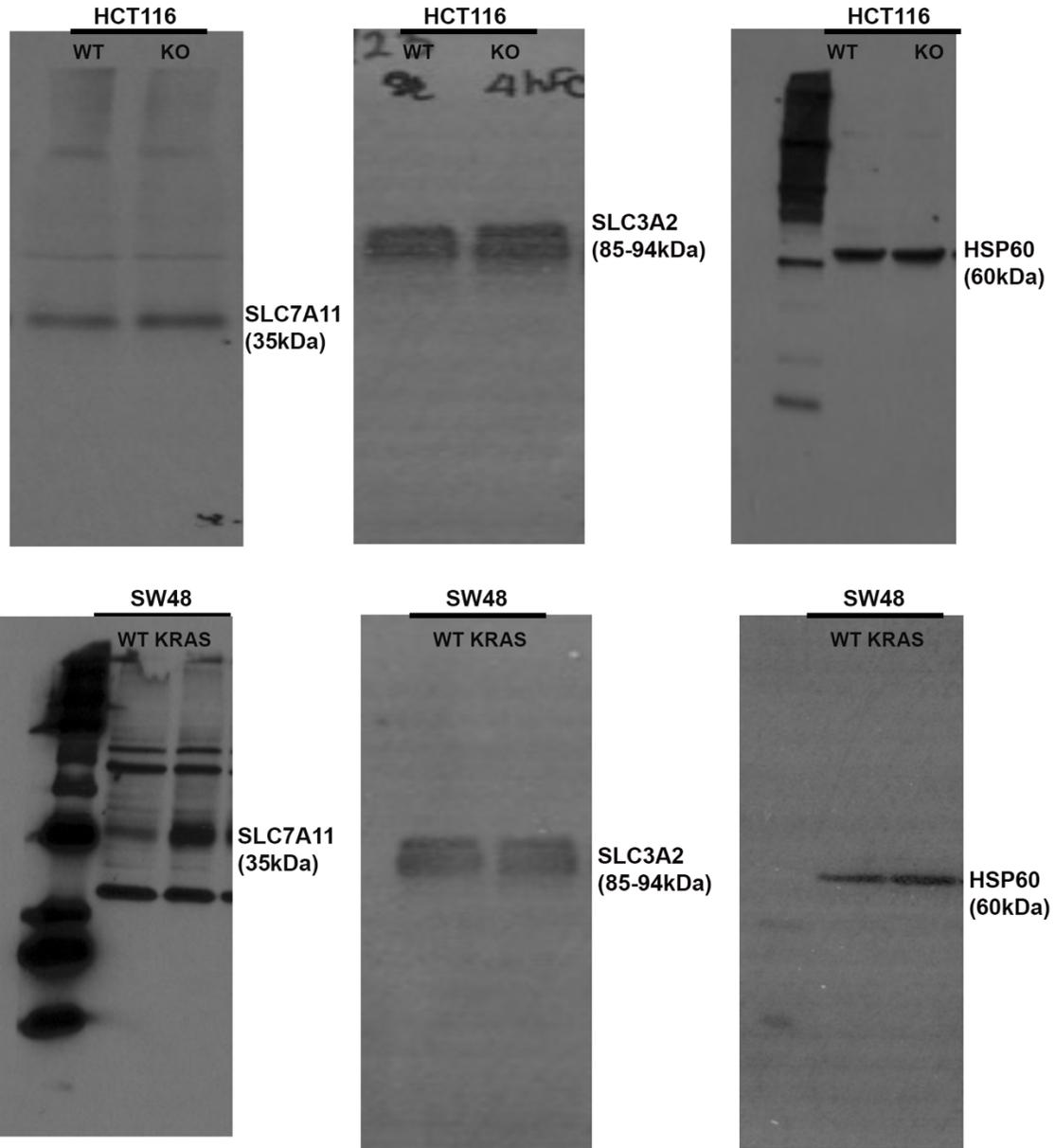
Supplementary Materials

Supplementary table 1: Primer sequences

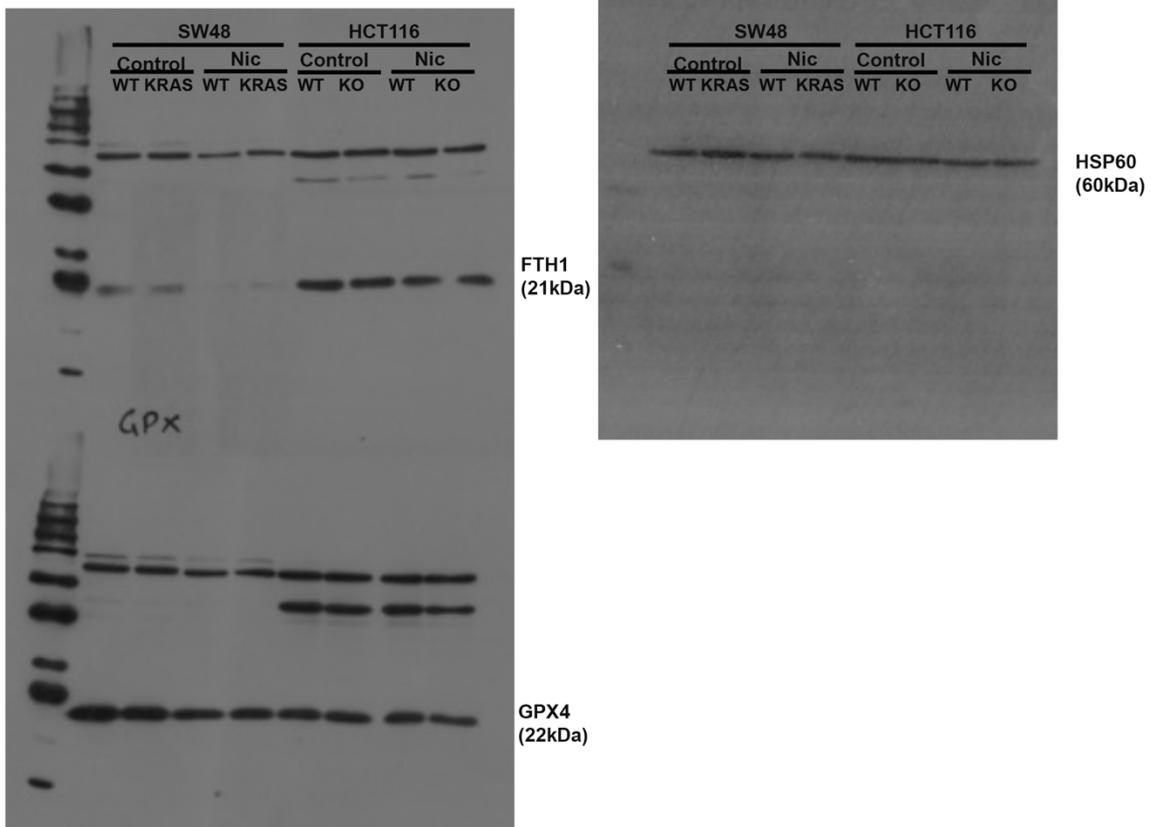
Gene	Forward	Reverse
SLC38A5	GTTGGGGCCATGTCCAGTTA	AGTGTTTCATGAGGGCGAGG
SLC38A3	GAGGCCAGACATCTGACTGTT	GGTCCTCGACCCTCTGGTT
SLC7A11	TGTGTGGGGTCCTGTCACTA	CAGTAGCTGCAGGGCGTATT
SLC3A2	CTCGTGGTTCTCCACTCAGG	CCGCAATCAAGAGCCTGTCT
18S	CCCGTTGAACCCCATTCGT	GCCTCACTAAACCATCCAATCGGTA
SLC38A5 promoter	GAGGCCTCTTGTCCACCTG	TTGTCCAAGCCCTGAGAAGT



Supplementary Fig. 1. Original blot for Fig. 2B.



Supplementary Fig. 2. Original blot for Fig. 4 E & F



Supplementary Fig. 3. Original blot for Fig. 14.