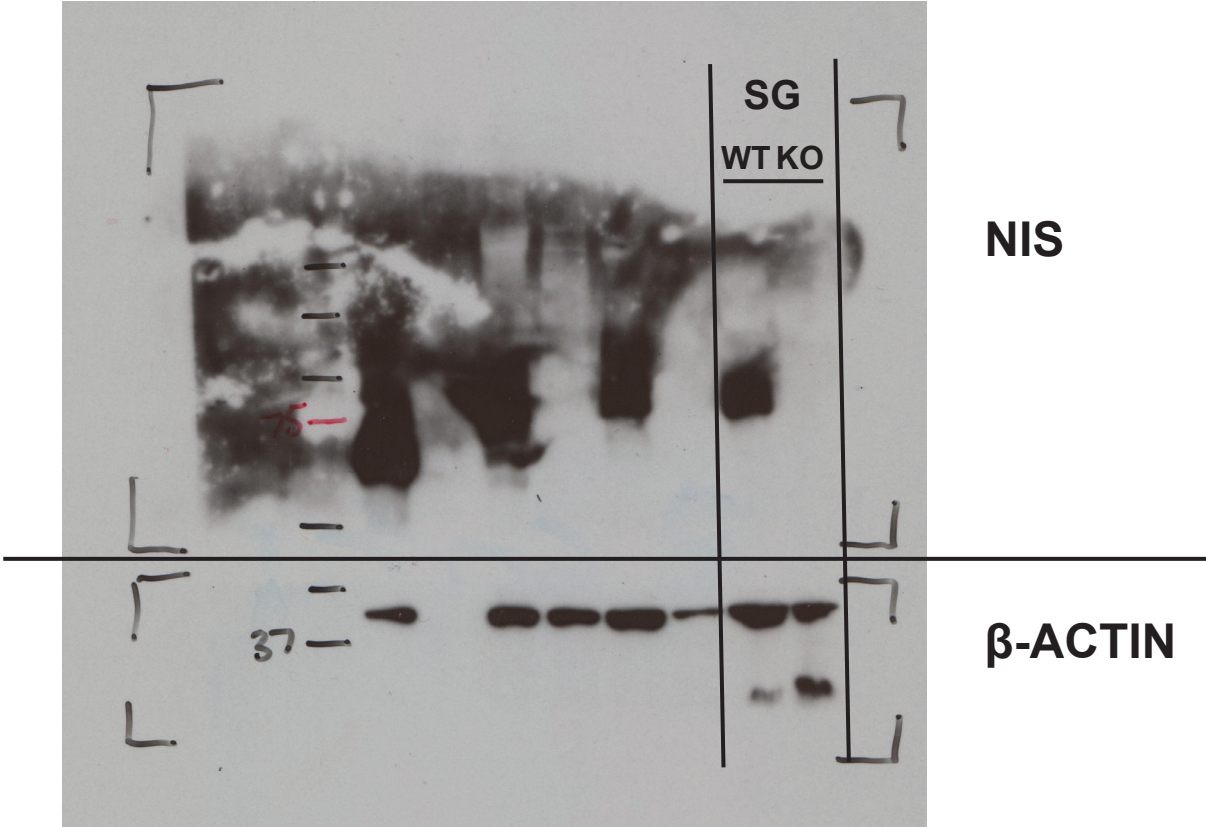
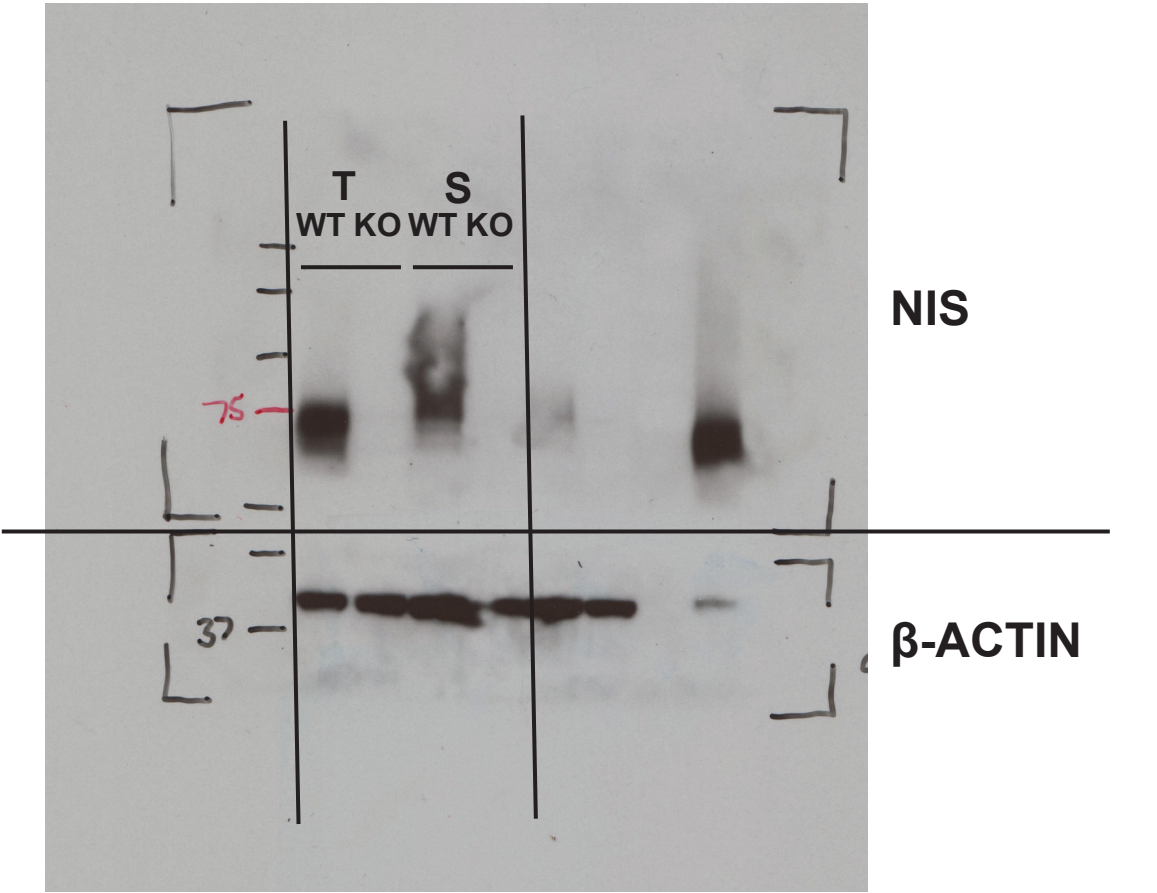


# An extremely high dietary iodide supply forestalls severe hypothyroidism in $\text{Na}^+/\text{I}^-$ symporter (NIS) knockout mice

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Supplementary Figure 1. Full images of the Western blots of NIS expression in WT and NIS KO mice fed a CD.

<b>Table 1. List of primers used for quantitative RT-PCR</b>			
Primer name	Gene ID / primer bank ID	Primer sequence	Primer efficiency
<i>SLC5a5 fw</i>	114479	CCAGTTGCTCAATTCGCTGC	2
<i>SLC5a5 rev</i>		CGCAGTTCTAGGTAAGTGGTAGG	
<i>TSHr fw</i>	22095	GCGCTTTTAAGAACCAGAAGAA	2
<i>TSHr rev</i>		GGTCCGGATACTGCTCTCA	
<i>TPO fw</i>	22018	TTTGAGCCAGACATTGGCA	1.8
<i>TPO rev</i>		GCAGCCTTGGGCTGATGATA	
<i>Dehal fw</i>	70337	ACCCGATACCCAGAACAGGA	2
<i>Dehal rev</i>		CGTGCTCGCTGCTGATAAAC	
<i>Tg fw</i>	21819	CCCAGACTACTTCAGTCCGC	2
<i>Tg rev</i>		ACAGCTATCGAACGCAGGAG	
<i>Duox1 fw</i>	99439 / 26331898a1	AAAACACCAGGAACGGATTGT <sup>1</sup>	2
<i>Duox1 rev</i>		AGAAGACATTGGGCTGTAGGG <sup>1</sup>	
<i>Duox2 fw</i>	214593 / 26348219a1	AAGTTCAAGCAGTACAAGCGAT <sup>1</sup>	2
<i>Duox2 rev</i>		TAGGCACGGTCTGCAAACAG <sup>1</sup>	
<i>Clc5 fw</i>	12728	GTGCCTGGTTACACACAACG	1.9
<i>Clc5 rev</i>		CTGTGCTATATGCTTTAACACATCC	
<i>Cftr fw</i>	12638	CAGCAGCTCAAACAACCTGGA	2
<i>Cftr rev</i>		TGTCACAAGGTGGGTGAAAA	
<i>Slc26a4 fw</i>	23985	GCTGGCCTCATCTCAGCTG <sup>2</sup>	2
<i>Slc26a4 rev</i>		GCAAGGGTTCCAGAAGCCT <sup>2</sup>	
<i>Slc5a8 fw</i>	216225	CTTATGGGCGGTCCGAGTAT	2
<i>Slc5a8 rev</i>		AAAACGGTAGACCTCGGCAG	
<i>Nfe2l2 fw</i>	18024	AGGTTGCCACATTCCCAA	1.8
<i>Nfe2l2 rev</i>		CCTGATGAGGGGCAGTGAAG	
<i>Gpx1 fw</i>	14775	TGCAATCAGTTCGGACACCA	1.8
<i>Gpx1 rev</i>		AAGGTAAAGAGCGGGTGAGC	
<i>Sod 1 fw</i>	20655	GGAACCATCCACTTCGAGCA	1.8
<i>Sod 1 rev</i>		CCCATGCTGGCCTTCAGTTA	
<i>Sod 2 fw</i>	20656	GTAGGGCCTGTCCGATGATG	2
<i>Sod 2 rev</i>		CGCTACTGAGAAAGGTGCCA	
<i>Catalase fw</i>	12359	AGCGACCAGATGAAGCAGTG	1.8
<i>Catalase rev</i>		TCCGCTCTGTCAAAGTGTG	
<i>Txn1 fw</i>	22166	GCGCTCCGCCCTATTTCTAT	2
<i>Txn1 rev</i>		TCACCATTTTGGCTGTTGCG	
<i>Gstp1 fw</i>	14870	GCGGCAAATATGTCACCCTCA	1.9
<i>Gstp1 rev</i>		GAAAGCTTTGCCTCCCTGGT	
<i>Gsta2 fw</i>	14858	GAGCTTGATGCCAGCCTTCT	1.8
<i>Gsta2 rev</i>		GCATCCAAGGGAGGCTTTCT	
<i>Dio1 fw</i>	13370	CCCTGGTGTTGAACCTTTGGC	1.8
<i>Dio1 rev</i>		TGAGGAAATCGGCTGTGGA	
<i>18s fw</i>	19791	AACCCGTTGAACCCATT	2
<i>18s rev</i>		CCATCCAATCGGTAGTAGCG	
<i>Slc16a2 fw</i>	20502 / 27370260a1	CGGCTGGATAGTGGTGTGTTG	2
<i>Slc16a2 rev</i>		CAGAGTTATGGATGCCGAAGATG	

### Supplementary references

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2. Wall, S.M., *et al.* Localization of pendrin in mouse kidney. *Am J Physiol-Renal* **284**, F229-F241 (2003).