

Supplementary Table 1. Free T3 and T4 content in serum of 2-week old animals.

	FT3 pmol/l	FT4 pmol/l
Pax8 WT	8.3±2	25.5±9
Pax8^{-/-}	0.6±0.1	1.1±0.4
Pax8^{-/-} inj TH 2d	24.5±3	85.7±10
TR WT control	8.6±3	16.9±8.5
TR WT PTU	4.2±1.3	3.5±3.2
TR WT inj TH 6h	63±10	90.6±14.3
TR WT inj TH 2d	29.7±3.5	81.55±11
TRα^{0/0} control	7.5±6	14.5±4
TRα^{0/0} PTU	1.9±2.5	6.04±3
TRα^{0/0} inj TH 6h	40.5±5	88.7±15
TRα^{0/0} inj TH 2d	36.7±3.4	75.24±5.7
TRβ^{-/-} control	19±7	57±6
TRβ^{-/-} PTU	1.5±0.3	1.7±0.4
TRβ^{-/-} inj TH 6h	48.6±3.8	85.5±4.8
TRβ^{-/-} inj TH 2d	42.68±5.7	80.34±2.8

Values represent Mean ± SD, N=6.

Supplementary Table 2. Free T3 and T4 content in serum of 8-week old animals.

	FT3 pmol/l	FT4 pmol/l
TR WT control	3.6±3	12.49±4.2
TR WT PTU	1.2±0.42	3.25±5.2
TR WT inj TH 2d	29.7±13.5	91.75±22
TR$\alpha^{0/0}$ control	4.8±5	18.35±3
TR$\alpha^{0/0}$ PTU	1.2±0.1	6.1±4
TR$\alpha^{0/0}$ inj TH 2d	43.7±11.4	87.5±23.8

Values represent Mean \pm SD, N=2.

Supplementary Table 3. Oligonucleotides used for the real time RT PCR study

cDNA detected	Nucleotide sequence	Fragment length
β-catenin	F, 5'-agccgagatggcccagaat R, 5'-aagggaaggttcgaatcaa	126
Cyclin D1	F, 5'-cagaggcggatgagaacaagt R, 5'-gcgtagcaggagaggaag	180
Villin	F, 5'-tggaggaggaggatgtgttc R, 5'-gggtctcaaggctcggttt	149
36B4	F, 5'-acctccttctccaggcttt R, 5'-cccacctgtctccagtcttt	100

Supplementary Table 4. Oligonucleotides used for the real time PCR study after ChIP assay

cDNA detected	Nucleotide sequence	Fragment length
Catnb1	F, 5'- atgtgtgctcaggaaaactgg R, 5'- cactagtgatgggcagagac	236
Catnb2	F, 5'-aagtgaggatggggaact R, 5'-gagttgtccctcgggttg	328
Catnb3	F, 5'- tcttagtgaccctgtgaaa R, 5'- agtcccatcgtcactacagca	128
Catnb4	F, 5'-ggtgcttagagattgcctgtg R, 5'-aatggatcaggtcatgggttc	158
p36B4	F, 5'-taaaagatgtccgctctctg R, 5'-tccttcagctcttcttgctc	110
pVillin	F, 5'-cagacatacatgcaggcaaaa 5, 5'-ccagatccctcttcagtgtgt	137