

Supplemental Table 1- Oligonucleotide sequences used for qRT-PCR

Genes	<i>Forward</i>	<i>Reverse</i>
β-actin	5' – CACTTTCTACAATGAGCTGCG – 3'	5' – CTGGATGGCTACGTACATGG – 3'
D1	5' – GTGATACAGGAAGGCAGGATC – 3'	5' – GAACGAAGGTCAAAGCTAAAGG – 3'
DUOX1	5' – ATT TCT TGG GAG GTA CAG CG – 3'	5' – GTT AGG CAG GTA GGG TTC TTT C – 3'
DUOX2	5' – TGC TCT CAA CCC CAA AGT G – 3'	5' – TCT CAA ACC AGT AGC GAT CAC – 3'
NIS	5' – GCTCATCCTGAACCAAGTGA – 3'	5' – ACGAGCATTACCACAACCTG – 3'
TPO	5' – GAA TGA GGA ACT GAC CGA GAG – 3'	5' – TGA CAA GCC ACA GAA CTC TC – 3'
TRH	5'-GAA CGT CGA TTC TTG TGG AAA G-3'	5'-TTC TCC CAA GTC TCC CCT C-3'
TSHR	5' – AGG TCC CTT GGA AAA ATG AGG – 3'	5' – GTC TCG AGT AGC TTC AGA GTC – 3'

-actin (beta- actin), **D1** (type 1 deiodinase), **DUOX1** (Dual Oxidase 1), **DUOX2** (Dual Oxidase 2), **NIS** (sodium-iodide symporter), **TPO** (thyroperoxidase), **TRH** (thyrotrophic hormone), **TSHR** (thyrotropin receptor).