SUPPLEMENTARY TABLE S1. LIST OF GENES RELATED TO THYROID DISORDERS

Gene	*Condition*
ALB	Familial dysalbuminemic hyperthyroxinemia (FDH)
ALMS1	Alstrom syndrome
CDCA8	Thyroid dysgenesis
DIO1	High T4
DIO2	High T4
DIO3	Low rT3
DUOX1	Thyroid dyshormonogenesis
DUOX2	Thyroid dyshormonogenesis
DUOXA2	Thyroid dyshormonogenesis
FGF8	Combined pituitary hormone deficiency
FOXE1 (TTF2)	Thyroid dysgenesis
GLIS3	Thyroid dysgenesis
HHEX	Thyroid dysgenesis
IGSF1	Central hypothyroidism
IRS4	Central hypothyroidism
IYD (DEHAL1)	Thyroid dyshormonogenesis
JAG1	Thyroid dysgenesis
KDM6A	Kabuki Syndrome
KMT2D	Kabuki Syndrome
NCOR2	(Corepressor of TH receptors)
NKX2-1 (TTF1)	Thyroid dysgenesis
NKX2-3	Thyroid dysgenesis
NKX2-5	Thyroid dysgenesis
NKX2-6	Thyroid dysgenesis
NTN1	Thyroid dysgenesis
PAX8	Thyroid dysgenesis
POU1F1	Combined pituitary hormone deficiency
PROP1	Combined pituitary hormone deficiency
PTRH2	Infantile-onset multisystem neurologic, endocrine, and pancreatic disease
RYR2	Hyperemesis
SALL1	Townes–Brocks syndrome
SECISBP2	SBP2 deficiency
SERPINA7(TBG)	TBG deficiency
SLC16A2(MCT8)	MCT8 deficiency
SLC26A4(PDS)	Thyroid dyshormonogenesis
SLC5A5(NIS)	Thyroid dyshormonogenesis
SLC30A10	SLC30A10 deficiency
SLCO1C1 (OATP1C1)	OATP1C1 (T4 transporter) deficiency
STAMBP	Microcephaly-capillary malformation syndrome
TBL1X	Hypersensitivity to thyroid hormone
TBX1	Thyroid dysgenesis
TG	Thyroid dyshormonogenesis
THRA	Resistance to TH
THRB	Resistance to TH
TPO	Thyroid dyshormonogenesis
TRH	Central hypothyroidism
TRHR	Resistance to TRH
TRIP11	(Interactor of TH receptor)
TRIP12	(Interactor of TH receptor)
TSHB	Central hypothyroidism
TSHR	Thyroid dysgenesis/resistance to TSH
TTR	Dystransthyretinemic hyperthyroxinemia
UBR1	Johanson–Blizzard syndrome