

Symbol	Gene product	Enterz Gene	mean log2 ratio on HEEBO array (3 ectopic thyroids VS control AMBION)	RQ of qRTPCR vs normal thyroid (log2 converted)	RQ of qRTPCR vs hot nodules (log2 converted)	Taq Man Assay ID
CHGA	chromogranin A (parathyroid secretory protein 1)	1113	-4,83	-8,38	5,15	Hs00900373_m1
TNNC2	troponin C2, fast	7125	-3,7	-4,64	4,67	Hs00268519_m1
ACTA1	actin, alpha 1, skeletal muscle	58	-5,31	-5,06	2,88	Hs00559403_m1
THRSP	thyroid hormone responsive (SPOT14 homolog, rat)	7069	-1,01	2,52	1,97	Hs00930058_m1
GNG5	guanine nucleotide binding protein (G protein), gamma 5	2787	-1,22	0,56	1,75	Hs00359134_g1
SMOC2	SPARC related modular calcium binding 2	64094	-1,32	-0,03	1,49	Hs00405777_m1
TEF	thyrotrophic embryonic factor	7008	-1,17	-0,13	1,21	Hs00162657_m1
CNTN6	contactin 6	27255	-2,86	-1,64	1,15	Hs00274291_m1
LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	7804	-1,38	1,88	1,09	Hs00182998_m1
EDN3	endothelin 3	1908	-3,4	-1,84	0,99	Hs00171177_m1
FMR1	fragile X mental retardation 1	2332	-1,08	1,42	0,92	Hs00924547_m1
GJA1	gap junction protein, alpha 1, 43kDa (connexin 43)	2697	-1,59	2,36	0,92	Hs00748445_s1
CKM	creatine kinase, muscle	1158	-5,86	-10,31	0,74	Hs00176490_m1
SPRED1	sprouty-related, EVH1 domain containing 1	161742	-1,05	0,19	0,71	Hs00544790_m1
CHORDC1	cysteine and histidine-rich domain (CHORD)-containing, zinc binding protein 1	26973	-1,93	0,67	0,62	Hs00854389_g1
PLEKHA3	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 3	65977	-1,21	1,32	0,57	Hs00604551_m1
MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	10797	-1,86	0,81	0,48	Hs00759197_s1
SMAD9	SMAD, mothers against DPP homolog 9 (Drosophila)	4093	-0,52	0,31	0,42	Hs00195441_m1
SMAD5	SMAD, mothers against DPP homolog 5 (Drosophila)	4090	-0,79	1,15	0,42	Hs00195437_m1
TNFRSF21	tumor necrosis factor receptor superfamily, member 21	27242	1,98	3,48	0,4	Hs00205419_m1
MUC1	mucin 1, transmembrane	4582	-1,63	-0,1	0,39	Hs00159357_m1
PRKCE	protein kinase C, epsilon	5581	-3,32	1,98	0,38	Hs00178455_m1
EMP3	epithelial membrane protein 3	2014	2,06	3,24	0,38	Hs00171319_m1
INHBB	inhibin, beta B (activin AB beta polypeptide)	3625	-2,02	-0,4	0,35	Hs00173582_m1
EVC2	Ellis van Creveld syndrome 2 (limbin)	132884	-1,43	1,19	0,34	Hs00377633_m1
ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	9459	2,25	3,21	0,31	Hs00374462_m1
FOS	v-fos FBJ murine osteosarcoma viral oncogene homolog	2353	3,61	4,46	0,26	Hs99999140_m1
TSHR	thyroid stimulating hormone receptor	7253	1,43	1,49	0,2	Hs01053846_m1
POLD4	polymerase (DNA-directed), delta 4	57804	0,95	1,86	0,2	Hs00221775_m1
RASD1	RAS, dexamethasone-induced 1	51655	-3,53	-1,47	0,12	Hs00607394_g1
EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)	1956	-0,88	1,06	0,08	Hs00193306_m1
PKNOX1	PBX/knotted 1 homeobox 1	5316	-1,59	1,19	0,07	Hs00231814_m1
TCF4	transcription factor 4	6925	0,78	1,83	0,04	Hs00162613_m1
NAV1	neuron navigator 1	89796	1,74	2,67	0,01	Hs00368110_m1
FZD4	frizzled homolog 4 (Drosophila)	8322	0,91	2,23	0,01	Hs00201853_m1
PLXND1	plexin D1	23129	1,97	3,83	0	Hs00391129_m1
ACP2	acid phosphatase 2, lysosomal	53	1,04	2,53	0	Hs00155636_m1
SFRS2	splicing factor, arginine/serine-rich 2	6427	2,03	4,42	-0,01	Hs00293258_m1
DTX4	deltex 4 homolog (Drosophila)	23220	-1,84	-0,3	-0,02	Hs00392288_m1
CTNNA1	catenin (cadherin-associated protein), alpha-like 1	8727	-1,59	0,76	-0,03	Hs00169384_m1
PAX8	paired box gene 8	7849	4,68	2,55	-0,04	Hs00243335_m1
CXCL12	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	6387	1,94	2,71	-0,04	Hs00930455_m1
SFRP1	secreted frizzled-related protein 1	6422	2,88	5,24	-0,07	Hs00610060_m1
TG	thyroglobulin	7038	1,2	2,21	-0,07	Hs00174974_m1
EFNB2	ephrin-B2	1948	0,95	2,83	-0,07	Hs00187950_m1
ROBO4	roundabout homolog 4, magic roundabout (Drosophila)	54538	1,63	3,4	-0,1	Hs00219408_m1
ASPM	asp (abnormal spindle)-like, microcephaly associated (Drosophila)	259266	-0,76	4,18	-0,12	Hs00396967_m1
FN1	fibronectin 1	2335	1,94	3,66	-0,13	Hs00415006_m1
AKT3	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)	10000	-1,14	1,71	-0,13	Hs00289302_s1
CYBRD1	cytochrome b reductase 1	79901	-1,17	1,63	-0,13	Hs00227411_m1
CXCR4	chemokine (C-X-C motif) receptor 4	7852	0,68	1,16	-0,15	Hs00237052_m1
FZD3	frizzled homolog 3 (Drosophila)	7976	-0,63	1,08	-0,15	Hs00184043_m1
AKT1	v-akt murine thymoma viral oncogene homolog 1	207	-0,89	1,8	-0,18	Hs00920503_m1
LMO3	LIM domain only 3 (rhombotin-like 2)	55885	-1,15	0,16	-0,18	Hs00375237_m1
NLK	nemo like kinase	51701	1,03	2,17	-0,18	Hs00212076_m1
DKK3	dickkopf homolog 3 (Xenopus laevis)	27122	2,15	3,77	-0,2	Hs00247429_m1
LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	7804	-1,38	0,9	-0,2	Hs00182998_m1
CTGF	connective tissue growth factor	1490	2,45	3,26	-0,22	Hs00170014_m1
HSPA1B	heat shock 70kDa protein 1B	3304	-2,57	-2,25	-0,22	Hs00359147_s1
FGFR1	fibroblast growth factor receptor 1 (fms-related tyrosine kinase 2, Pfeiffer syndrome)	2260	2,32	2,4	-0,23	Hs00241111_m1
KPNA4	karyopherin alpha 4 (importin alpha 3)	3840	-1,22	1,14	-0,25	Hs00927639_g1
SNX1	sorting nexin 1	6642	-1,38	1,17	-0,25	Hs00541723_m1
VEGFA	vascular endothelial growth factor	7422	3,07	3,07	-0,27	Hs00900055_m1
FZD1	frizzled homolog 1 (Drosophila)	8321	-1,28	0,3	-0,27	Hs00268943_s1
LAMA4	laminin, alpha 4	3910	2,13	4,03	-0,29	Hs00158588_m1
CDC42EP4	CDC42 effector protein (Rho GTPase binding) 4	23580	-1,54	-0,2	-0,29	Hs00201664_m1
CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	1051	-1,58	-0,2	-0,37	Hs00270923_s1
TPO	thyroid peroxidase	7173	-0,93	0	-0,43	Hs00174927_m1
DMD	dystrophin (muscular dystrophy, Duchenne and Becker types)	1756	-1,41	1,93	-0,49	Hs01049436_m1
FXR1	fragile X mental retardation, autosomal homolog 1	8087	-1,03	1,11	-0,64	Hs01096865_m1
DUOX2	dual oxidase 2	50506	2,46	3,99	-0,66	Hs00204187_m1
CCND1	cyclin D1 (PRAD1: parathyroid adenomatosis 1)	595	0,96	2,55	-0,86	Hs00277039_m1
DIO1	deiodinase, iodothyronine, type I	1733	2,71	5,1	-0,89	Hs00174944_m1
DIO2	deiodinase, iodothyronine, type II	1734	2,03	3,85	-0,89	Hs00255341_m1
CLDN5	claudin 5 (transmembrane protein deleted in velocardiofacial syndrome)	7122	-2,44	0,06	-0,92	Hs01561351_m1
FGF12	fibroblast growth factor 12	2257	2,19	3,37	-1,03	Hs00374427_m1
CDH16	cadherin 16, KSP-cadherin	1014	-1,81	0,81	-1,43	Hs00187880_m1
CDH2	cadherin 2, type 1, N-cadherin (neuronal)	1000	-0,86	-0,16	-2,0	Hs00169953_m1
FOSB	FBJ murine osteosarcoma viral oncogene homolog B	2354	5,48	5,61	-2,73	Hs00171851_m1
PAX2	paired box gene 2	5076	-0,92	1,78	-3,47	Hs01057416_m1
MYL2	myosin, light polypeptide 2, regulatory, cardiac, slow	4633	-2,78	0,26	-4,32	Hs00166405_m1