JANT PHARMACAL CORPORATION

Hereditary Thyroid Disorder Panel - Genes and Diseases

Downloadable Panel Reference Guide

This sheet summarizes the genes covered in the Hereditary Thyroid Disorder Panel and the associated disease terms represented across the panel.

Total genes listed	Diseases covered
22	70

Genes Covered

DUOX2	**FOXE1**	**HRAS**	**IRS4**
IYD	**KRAS**	**NKX2-1**	**NRAS**
PAX8	**SECISBP2**	**SLC16A2**	**SLC26A4**
SLC5A5	**TBL1X**	**TG**	**THRA**
THRB	**TPO**	**TRH**	**TSHB**
TSHR	**TTR**		

Diseases Covered

#	Diseases
1	familial thyroid dyshormonogenesis
2	thyroid dyshormonogenesis 6
3	Bamforth-Lazarus syndrome
4	thyroid cancer, nonmedullary, 4
5	differentiated thyroid carcinoma
6	familial papillary or follicular thyroid carcinoma
7	athyreosis
8	urinary bladder cancer
9	nevus, epidermal
10	linear nevus sebaceous syndrome
11	thyroid cancer, nonmedullary, 2
12	Costello syndrome
13	phakomatosis pigmentokeratotica
14	wooly hair nevus
15	large congenital melanocytic nevus

#	Disease Term
16	hypothyroidism, congenital, nongoitrous, 9
17	thyroid dyshormonogenesis 4
18	gastric cancer
19	Lynch syndrome
20	arteriovenous malformations of the brain
21	lung cancer
22	Toriello-Lacassie-Droste syndrome
23	juvenile myelomonocytic leukemia
24	Noonan syndrome 3
25	encephalocraniocutaneous lipomatosis
26	autoimmune lymphoproliferative syndrome type 4
27	cardiofaciocutaneous syndrome 2
28	familial pancreatic carcinoma
29	cardiofaciocutaneous syndrome
30	hereditary breast carcinoma
31	pilomyxoid astrocytoma
32	acute myeloid leukemia
33	Noonan syndrome
34	choreatic disease
35	thyroid cancer, nonmedullary, 1
36	brain-lung-thyroid syndrome
37	hereditary progressive chorea without dementia
38	colorectal cancer
39	neurocutaneous melanocytosis
40	Noonan syndrome 6
41	Langerhans cell histiocytosis
42	thyroid ectopia
43	thyroid hypoplasia
44	hypothyroidism, congenital, nongoitrous, 2
45	thyroid hormone metabolism, abnormal 1
46	Allan-Herndon-Dudley syndrome
47	Pendred syndrome
48	autosomal recessive nonsyndromic hearing loss 4
49	hearing loss, autosomal recessive
50	thyroid dyshormonogenesis 1
51	hypothyroidism, congenital, nongoitrous, 8
52	thyroid dyshormonogenesis 3
53	autoimmune thyroid disease, susceptibility to, 3
54	congenital nongoitrous hypothyroidism 6
55	resistance to thyroid hormone due to a mutation in thyroid hormone receptor alpha
56	selective pituitary resistance to thyroid hormone
57	thyroid hormone resistance, generalized, autosomal dominant

#	Disease Term
58	thyroid hormone resistance, generalized, autosomal recessive
59	thyroid dyshormonogenesis 2A
60	isolated thyrotropin-releasing hormone deficiency
61	isolated thyroid-stimulating hormone deficiency
62	hypothyroidism due to TSH receptor mutations
63	familial gestational hyperthyroidism
64	familial hyperthyroidism due to mutations in TSH receptor
65	hyperthyroxinemia, dystransthyretinemic
66	ATTRV122I amyloidosis
67	carpal tunnel syndrome 1
68	euthyroid dysprealbuminemic hyperthyroxinemia
69	ATTRV30M amyloidosis
70	amyloidosis, hereditary systemic 1