SUPPLEMENTAL MATERIAL

Supplemental Table 1. List of the genes selected to perform the panel design

Gene Name	Location	Transcripts ID	OMIM Gene-Phenotype Relationships	Inheritance
SDHD	11q23.1	NM_602690	Pheochromocytoma	AD
			Mitochondrial complex II deficiency	AR
			Paraganglioma and gastric stromal sarcoma	
			Paragangliomas 1, with or without deafness	AD
SDHAF2	11q12.2	NM_613019	Paragangliomas 2	AD
SDHC	1q23.3	NM_602413	Paragangliomas 3	AD
			Paraganglioma and gastric stromal sarcoma	
			Gastrointestinal stromal tumor	AD
SDHB	1p36.13	NM_185470	Paragangliolas 4	AD
			Paraganglioma and gastric stromal sarcoma	
			Pheochromocytoma	AD
			Gastrointestinal stromal tumor	
SDHA	5p15.33	NM_600857	Paragangliomas 5	AD
			Cardiomyopathy, dilated, 1GG	
			Leigh syndrome	AR
			Mitochondrial respiratory chain complex II deficiency	AR
VHL	3p25.3	NM_608537	Pheochromocytoma	AD
			Erythrocytosis, familial, 2	AR
			Hemangioblastoma, cerebellar, somatic	
			Renal cell carcinoma, somatic	
			von Hippel-Lindau syndrome	AD
NF1	17q11.2	NM_162200	Neurofibromatosis, type 1	AD
FH	1q43	NM_136850	pheochromocytomas and paragangliomas	AD
			Fumarase deficiency	AR
			Leiomyomatosis and renal cell cancer	AD
EPAS1	2p21	NM_603349	pheochromocytomas and paragangliomas	AD
			Erythrocytosis, familial, 4	
MAX	14q23.3	NM_154950	Pheochromocytoma, susceptibility to	AD
TMEM127	2q11.2	NM_613403	Pheochromocytoma, susceptibility to	AD

EGLN2	19q13.2	NM_606424	Pheochromocytomas and paragangliomas	AD
EGLN1	1q42.2	NM_606425	Pheochromocytomas and paragangliomas	AD
			Erythrocytosis, familial, 3	AD
			Hemoglobin, high altitude adaptation	AD
KIF1B	1p36.22	NM_605995	Pheochromocytoma	AD
			Charcot-Marie-Tooth disease, type 2A1?	AD
			Neuroblastoma, susceptibility to, 1	AD
NR3C2	4q31.23	NM_600983	Hypertension, early-onset, autosomal dominant, with exacerbation in pregnancy	
			Pseudohypoaldosteronism type I, autosomal dominant	AD
NOS3	7q36.1	NM_163729	Hypertension, pregnancy-induced	AD
			Alzheimer disease, late-onset, susceptibility to	AD
			Coronary artery spasm 1, susceptibility to	
			Hypertension, susceptibility to	
			Ischemic stroke, susceptibility to	
			Placental abruption	
WNK4	17q21.2	NM_601844	Arrhythmogenic right ventricular dysplasia 8	AD
WNK1	12p13.33	NM_605232	Neuropathy, hereditary sensory and autonomic, type II	AR
			Pseudohypoaldosteronism, type IIC	AD
KLHL3	5q31.2	NM_605775	Pseudohypoaldosteronism, type IID	AR,AD
CUL3	2q36.2	NM_603136	Pseudohypoaldosteronism, type IIE	AD
NR3C1	5q31.3	NM_138040	Glucocorticoid resistance	AD
CYP11B1	8q24.3	NM_610613	Adrenal hyperplasia, congenital, due to 11-beta-hydroxylase deficiency	AR
			Aldosteronism, glucocorticoid-remediable	AD
CYP21A2	6p21.33	NM_613815	Adrenal hyperplasia, congenital, due to 21-hydroxylase deficiency	AR
			Hyperandrogenism, nonclassic type, due to 21-hydroxylase deficiency	AR
KCNJ5	11q24.3	NM_600734	Hyperaldosteronism, familial, type III	AD
			Long QT syndrome 13	AD
CACNA1H	16p13.3	NM_607904	Hyperaldosteronism, familial, type	AD

			IV Epilepsy, childhood absence, susceptibility to, 6 Epilepsy, idiopathic generalized, susceptibility to, 6	
CACNA1D	3p21.1	NM_114206	Primary aldosteronism, seizures, and neurologic abnormalities Sinoatrial node dysfunction and deafness	AD AR
PDE3A	12p12.2	NM_123805	Hypertension and brachydactyly syndrome	AD
SCNN1B	600760	NM_600760	Liddle syndrome 1 Pseudohypoaldosteronism, type I Bronchiectasis with or without elevated sweat chloride 1	AD AR AD
SCNN1G	16p12.2	NM_600761	Liddle syndrome Pseudohypoaldosteronism, type I Bronchiectasis with or without elevated sweat chloride 3	AD AR AD
HSD11B2	16q22.1	NM_614232	Apparent mineralocorticoid excess	AR
PRKAR1A	17q24.2	NM_188830	Pigmented nodular adrenocortical disease, primary, 1 Acrodysostosis 1, with or without hormone resistance Adrenocortical tumor, somatic Carney complex, type 1 Myxoma, intracardiac	AD AD AD AD
PDE11A	2q31.2	NM_604961	Pigmented nodular adrenocortical disease, primary, 2	AD
PDE8B	5q13.3	NM_603390	Pigmented nodular adrenocortical disease, primary, 3 Striatal degeneration, autosomal dominant	AD
AIP	11q13.2	NM_605555	Pituitary adenoma 1, multiple types Pituitary adenoma predisposition	AD AD
ARMC5	16p11.2	NM_615549	ACTH-independent macronodular adrenal hyperplasia 2	AD
MEN1	11q13.1	NM_131100	Multiple endocrine neoplasia 1	AD
RET	10q11.21	NM_164761	Multiple endocrine neoplasia IIA Multiple endocrine neoplasia IIB Central hypoventilation syndrome, congenital	AD AD AD

			Medullary thyroid carcinoma	AD
			Pheochromocytoma	AD
			Hirschsprung disease, protection against	AD
			Hirschsprung disease, susceptibility to, 1	AD
CLCNKB	1p36.13	NM_602023	Bartter syndrome, type 3	AR
			Bartter syndrome, type 4b, digenic	DR
SLC12A1	15q21.1	NM_600839	Bartter syndrome, type 1	AR
KCNJ1	11q24.3	NM_600359	Bartter syndrome, type 2	AR
SLC12A3	16q13	NM_600968	Gitelman syndrome	AR