

## The Genetic Testing and Your Health Study Gene List

Below is a list of the genes and conditions that are included in the Genetic Testing and Your Health Study results report. If you are interested in learning more about a particular gene or condition, we have provided links to websites with reliable health information when available. Please note that the genetic testing performed in this study has limitations. Talk to your doctor or a genetic counselor to see if additional testing is recommended for you based on your personal and/or family history.

CONDITION*	GENE
<b>Cancer/Tumor</b>	
<a href="#">Hereditary breast and ovarian cancer</a>	<i>BRCA1</i> <i>BRCA2</i>
<a href="#">Breast cancer susceptibility</a>	<i>CHEK2</i> <i>PALB2</i> <i>ATM</i>
<a href="#">Li-Fraumeni syndrome</a>	<i>TP53</i>
<a href="#">Peutz-Jeghers syndrome</a>	<i>STK11</i>
<a href="#">Lynch syndrome</a>	<i>MLH1</i> <i>MSH2</i> <i>MSH6</i> <i>PMS2</i>
<a href="#">Familial adenomatous polyposis</a>	<i>APC</i>
<a href="#">MYH-associated polyposis</a>	<i>MUTYH</i>
<a href="#">Juvenile polyposis syndrome</a>	<i>BMPR1A</i> <i>SMAD4</i>
Colorectal cancer susceptibility^	<i>POLE</i> <i>POLD1</i>
<a href="#">Von Hippel-Lindau syndrome</a>	<i>VHL</i>
<a href="#">Multiple endocrine neoplasia type 1</a>	<i>MEN1</i>
<a href="#">Multiple endocrine neoplasia type 2/Familial medullary thyroid cancer</a>	<i>RET</i>
<a href="#">PTEN hamartoma tumor syndrome</a>	<i>PTEN</i>
<a href="#">Retinoblastoma</a>	<i>RB1</i>
<a href="#">Hereditary paraganglioma-pheochromocytoma syndrome</a>	<i>SDHD</i> <i>SDHAF2</i> <i>SDHC</i> <i>SDHB</i>
<a href="#">Tuberous sclerosis complex</a>	<i>TSC1</i> <i>TSC2</i>
<a href="#">WT1-related Wilm's tumor</a>	<i>WT1</i>
<a href="#">Neurofibromatosis type 2</a>	<i>NF2</i>
<b>Cardiac</b>	
<a href="#">Ehlers-Danlos syndrome, vascular type</a>	<i>COL3A1</i>
<a href="#">Marfan syndrome</a>	<i>FBN1</i>
<a href="#">Loeys-Dietz syndrome</a>	<i>TGFBR1</i>
<a href="#">Familial thoracic aortic aneurysms and dissections</a>	<i>TGFBR2</i> <i>SMAD3</i> <i>ACTA2</i> <i>MYLK</i> <i>MYH11</i>

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<b>CONDITION*</b>	<b>GENE</b>
<b>Cardiac (cont.)</b>	
<a href="#">Arterial tortuosity syndrome</a>	<i>SLC2A10</i>
<a href="#">Hypertrophic cardiomyopathy</a>	<i>MYBPC3</i>
<a href="#">Dilated cardiomyopathy</a>	<i>MYH7</i>
	<i>TNNT2</i>
	<i>TNNI3</i>
	<i>TPM1</i>
	<i>MYL3</i>
	<i>ACTC1</i>
	<i>PRKAG2</i>
	<i>MYL2</i>
	<i>LMNA</i>
	<i>GLA</i>
<a href="#">Catecholaminergic polymorphic ventricular tachycardia</a>	<i>RYR2</i>
<a href="#">Arrhythmogenic right-ventricular cardiomyopathy</a>	<i>PKP2</i>
	<i>DSP</i>
	<i>DSC2</i>
	<i>TMEM43</i>
	<i>DSG2</i>
<a href="#">Romano-Ward Long QT syndrome types 1,2 and 3</a>	<i>ANK2</i>
<a href="#">Timothy syndrome</a>	<i>CACNA1C</i>
<a href="#">Brugada syndrome</a>	<i>KCNE1</i>
<a href="#">Jervell and Lange-Nielsen syndrome</a>	<i>KCNQ1</i>
<a href="#">Andersen-Tawil syndrome</a>	<i>KCNH2</i>
	<i>KCNJ2</i>
	<i>SCN5A</i>
<a href="#">Familial hypercholesterolemia</a>	<i>LDLR</i>
	<i>APOB</i>
	<i>PCSK9</i>
<b>Neurologic</b>	
<a href="#">Hemiplegic migraine</a>	<i>ATP1A2</i>
<a href="#">Episodic ataxia type 2</a>	<i>CACNA1A</i>
<a href="#">Hemiplegic migraine</a>	
<a href="#">Spinocerebellar ataxia 6</a>	
<a href="#">Congenital insensitivity to pain with anhidrosis</a>	<i>NTRK1</i>
<a href="#">Seizure disorders</a>	<i>SCN1A</i>
<a href="#">Hemiplegic migraine</a>	
<a href="#">Congenital insensitivity to pain</a>	<i>SCN9A</i>
<a href="#">Inherited erythromelalgia</a>	
<b>Drugs</b>	
<a href="#">Clopidogrel/Voriconazole/Citalopram/Escitalopram/Amitriptyline</a> <sup>^</sup>	<i>CYP2C19</i>
<a href="#">Capecitabine/Fluorouracil/Tegafur</a> <sup>^</sup>	<i>DPYD</i>
<a href="#">Peginterferon alfa-2a/Peginterferon alfa-2b/Ribavirin</a> <sup>^</sup>	<i>IFNL3</i>
<a href="#">Simvastatin</a>	<i>SLCO1B1</i>
<a href="#">Azathioprine/Mercaptopurine/Thioguanine</a>	<i>TPMT1</i>
<a href="#">Warfarin</a>	<i>CYP2C9</i>
	<i>VKORC1</i>

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CONDITION*	GENE
<b>Other</b>	
<a href="#">OTC deficiency</a>	<i>OTC</i>
<a href="#">Malignant hyperthermia susceptibility</a>	<i>RYR1</i> <i>CACNA1S</i>
<a href="#">Hemolytic uremic syndrome</a>	<i>CFH</i>
<a href="#">Cystic fibrosis</a>	<i>CFTR</i>
<a href="#">Ehlers-Danlos syndrome, classic type</a>	<i>COL5A1</i>
<a href="#">Atopic dermatitis</a>	<i>FLG</i>
<a href="#">Maturity onset diabetes of the young (MODY)</a>	<i>HNF1A</i> <i>HNF1B</i>
Obesity^	<i>MC4R</i>
<a href="#">Alpha-1 antitrypsin deficiency</a>	<i>SERPINA1</i>
<a href="#">Pitt-Hopkins syndrome</a>	<i>TCF4</i>
<a href="#">Autosomal recessive osteopetrosis</a>	<i>TCIRG1</i>
<a href="#">Amyloidosis</a>	<i>TTR</i>
Immunodeficiency^	<i>TYK2</i>
<a href="#">Uromodulin kidney disease</a>	<i>UMOD</i>
<a href="#">Vitamin D-dependent Rickets, Type II</a>	<i>VDR</i>

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