

ExonArrayDx Gene List - Research Use

ExonArrayDx is a microarray-based (array CGH) test developed by GeneDx to examine one or more genes for full or partial gene deletions or duplications **at the exon level** for a list of 52 genetic disorders for research purposes (a separate list of 433 genes is available for clinical testing). The ExonArrayDx test can be ordered for one specific gene or for a custom panel of clinically related genes (upto 10 genes). The following list contains genes (and their associated disorders) tested by ExonArrayDx. Please use the ExonArrayDx submission form to request a test.

Genes listed individually by disease name

<i>Disorder</i>	<i>Gene</i>
Achondroplasia	FGFR3
Alzheimer disease	PSEN1
Alzheimer disease	PSEN2
Alzheimer disease, early-onset	APP
Apert syndrome	FGFR2
Arrhythmogenic right ventricular dysplasia type 1	TGFB3
Arrhythmogenic right ventricular dysplasia type 5	TMEM43
Arrhythmogenic right ventricular dysplasia, familial type 10	DSG2
Arrhythmogenic right ventricular dysplasia, familial type 11	DSC2
Arrhythmogenic right ventricular dysplasia, familial type 12	JUP
Arrhythmogenic right ventricular dysplasia, familial, 9	PKP2
Cardiofaciocutaneous syndrome	BRAF
Cardiofaciocutaneous syndrome	MAP2K1
Cardiofaciocutaneous syndrome	MAP2K2
Cardiofaciocutaneous syndrome	KRAS
Costello syndrome	HRAS
Crouzon syndrome	FGFR2
Danon disease	LAMP2
Dilated cardiomyopathy	ACTC1
Dilated cardiomyopathy	PLN
Dilated cardiomyopathy	TNNC1
Dilated cardiomyopathy 1A	LMNA
Dilated cardiomyopathy 1C	LDB3 (ZASP)
Dilated cardiomyopathy type 1	DES
Dilated cardiomyopathy type 1L	SGCD
Dilated cardiomyopathy type 3A	TAZ
Dilated cardiomyopathy with wooly hair and keratoderma	DSP
Familial cutaneous melanoma	CDKN2A
Familial hypertrophic cardiomyopathy	TNNI3
Familial hypertrophic cardiomyopathy	TNNT2
Familial hypertrophic cardiomyopathy	TPM1
Hay-Wells and related disorders	TP63
Hypertrophic cardiomyopathy	CAV3
Hypertrophic cardiomyopathy	MYBPC3
Hypertrophic cardiomyopathy	MYH7
Hypertrophic cardiomyopathy	MYL3
Hypertrophic cardiomyopathy / Wolff-Parkinson-White syndrome	PRKAG2
Hypertrophic cardiomyopathy, mid-left ventricular chamber type	MYL2
Hypertrophic cardiomyopathy, midventricular digenic	MYLK2
LEOPARD syndrome	PTPN11
Multiple endocrine neoplasia type 2A	RET
Multiple endocrine neoplasia type 2B	RET
Multiple endocrine neoplasia, RET-related NOS	RET
Noonan syndrome	RAF1
Noonan syndrome	SOS1
Noonan syndrome	KRAS
Noonan syndrome	PTPN11
Parkinson disease	PARK2
Parkinson disease	SNCA
Premature chromosome condensation syndrome	MCPH1
Schizophrenia susceptibility	DISC1
Serotonin transporter activity (increased/decreased)	SLC6A4