

When time to diagnosis matters, the NewbornDx™ Advanced Sequencing Evaluation from Athena Diagnostics delivers rapid, 3- to 7-day results on a targeted 1,722-genes.

A2ML1	ALAD	ATM	CAV1	CLDN19	CTNS	DOCK7	ETFB	FOXC2	GLUL	HOXC13	JAK3
AAAS	ALAS2	ATP1A2	CBL	CLIC2	CTRC	DOCK8	ETFDH	FOXE1	GLYCTK	HOXD13	JUP
AARS2	ALDH18A1	ATP1A3	CBS	CLMP	CTSA	DOK7	ETHE1	FOXE3	GM2A	HPD	KANK1
AASS	ALDH1A2	ATP2B3	CC2D2A	CLN3	CTSD	DOLK	EVC	FOXF1	GMPPA	HPGD	KANKL1
ABAT	ALDH3A2	ATP5A1	CCDC103	CLN5	CTSK	DPAGT1	EVC2	FOXG1	GMPPB	HPRT1	KAT6B
ABCA12	ALDH4A1	ATP5E	CCDC114	CLN6	CUBN	DPM1	EXOC4	FOXH1	GNA11	HPSE2	KCNA2
ABCA3	ALDH5A1	ATP6AP2	CCDC151	CLN8	CUL4B	DPM2	EXOSC3	FOX1	GNAI3	HRAS	KCNB1
ABCA4	ALDH7A1	ATP6V0A2	CCDC22	CLP1	CUL7	DPM3	EXPH5	FOXL2	GNAO1	HSD17B10	KCND2
ABCB11	ALDOA	ATP6V1B1	CCDC39	CLP6	CXCR4	DPP6	EYA1	FOXP1	GNAS	HSD17B4	KCNE1
ABCB4	ALDOB	ATP7A	CCDC40	CLPP	CYB5R3	DPYD	EZH2	FOXP2	GNE	HSD3B2	KCNE2
ABCB6	ALG1	ATP8A2	CCDC65	CNNM2	CYC1	DPYS	F10	FOXP3	GNMT	HSD3B7	KCNH2
ABCB7	ALG11	ATP8B1	CCDC78	CNTN1	CYP11B1	DRC1	F11	FOXRED1	GNPAT	HSPD1	KCNH5
ABCC2	ALG12	ATPAF2	CCDC8	CNTNAP1	CYP11B2	DSC2	F13A1	FRAS1	GNPTAB	HSPG2	KCNJ10
ABCC8	ALG13	ATR	CCDC88C	CNTNAP2	CYP17A1	DSG1	F13B	FREM1	GNPTG	HUWE1	KCNJ11
ABCC9	ALG14	ATRX	CCND2	COA5	CYP1B1	DSP	F2	FREM2	GNS	HYDIN	KCNJ13
ABCD3	ALG2	AUH	CENO	COG1	CYP24A1	DST	F5	FRMD7	GORAB	HYLS1	KCNJ2
ABCD4	ALG3	B3GALNT2	CCS	COG4	CYP26C1	DSTYK	F7	FTCD	GP1BA	IBA57	KCNJ5
ABHD5	ALG6	B3GAT3	CCT5	COG5	CYP27A1	DTNA	F8	FTO	GP1BB	ICK	KCNJ8
ACAD8	ALG8	B3GLCT	CD151	COG6	CYP27B1	DUOX2	F9	FUCA1	GP27B1	ICOS	KCNK3
ACAD9	ALG9	B4GALT1	CD19	COG7	CYP2R1	DUOXA2	FADD	G6PC	GP9	IDS	KCNMA1
ACADL	ALK	B4GALT7	CD247	COG8	CYP4F22	DYM	FAH	G6PC3	GPC3	IDUA	KCNQ1
ACADM	ALMS1	B4GAT1	CD27	COL11A1	CYP7B1	DYNC1H1	FAM126A	G6PD	GPC6	IER3IP1	KCNQ2
ACADS	ALOX12B	B9D1	CD320	COL11A2	D2HGDH	DYNC2H1	FAM20C	GAA	GPD1	IFIH1	KCNQ3
ACADSB	ALOXE3	BBIP1	CD3D	COL12A1	DAG1	DYRK1A	FANCA	GABRA1	GPHN	IFITM5	KCNT1
ACADVL	ALPL	BCKDHA	CD3E	COL17A1	DARS	DYSF	FANCB	GABRB3	GPR179	IFT122	KCTD1
ACAN	AMACR	BCKDHB	CD59	COL18A1	DARS2	DYX1C1	FANCC	GABRD	GPSM2	IFT140	KCTD7
ACAT1	AMER1	BCKDK	CD79A	COL1A1	DBH	EARS2	FANCD2	GABRG2	GRHR	IFT172	KDM5C
ACO2	AMPD1	BCKDK	CD79B	COL1A2	DBT	EBP	FANCE	GAD1	GAD1	IFT27	KDM6A
ACOX1	AMPD2	BCS1L	CD81	COL2A1	DCDC2	ECEL1	FANCF	GALE	GRIN2A	IFT43	KIAA0196
ACP5	AMT	BICD2	CDAN1	COL3A1	DCLRE1C	ECHS1	FANCG	GALK1	GRIN2B	IFT80	KIAA1279
ACSF3	ANK1	BIN1	CD6	COL5A1	DCX	EDA	FANCI	GALT	GRIPI	IGF1	KIAA2022
ACTA1	ANKH	BLK	CDH3	COL5A2	DDC	EDAR	FANCL	GAMT	GRM1	IGF1R	KIF11
ACTB	ANKRD1	BLM	CDK5RAP2	COL6A1	DDOST	EDARADD	FAR1	GARS	GRM6	IGFBP7	KIF1A
ACTC1	ANKRD11	BLNK	CDK6	COL6A2	DDR2	EDN3	FARS2	GATA1	GRN	IGHM	KIF21A
ACTG1	ANO6	BLOC1S6	CDKL5	COL6A3	DDX11	EDNRB	FAS	GATA3	GSS	IGHMBP2	KIF22
ACTG2	ANTXR1	BMP1	CDKN1C	COL7A1	DEC1	EEF1A2	FASLG	GATA4	GTF2H5	IGLL1	KIF2A
ACTN2	AP1S1	BMP2	CDON	COL9A1	DEPDC5	EFEMP2	FASTKD2	GATA6	GTPBP3	IGSF1	KIF5A
ACVR1	AP2S1	BMP4	CDT1	COLQ	DGAT1	EFHC1	FAT4	GATAD2B	GUCY2C	IHH	KIF5C
ACVR2B	AP3B1	BMPR1B	CENPJ	COQ2	DGKE	EFTUD2	FBLN1	GATM	GUCY2D	IKBKAP	KIF7
ACVRL1	AP4B1	BMPR2	CEP135	COQ6	DGUOK	EGR2	FBLN5	GBA	GUSB	IKBKB	KISS1
ACY1	AP4E1	BOLA3	CEP152	COQ9	DHCR24	EHHADH	FBN1	GBE1	GYG1	IKBKG	KISS1R
ADA	AP4M1	BRAF	CEP290	COX10	DHCR7	EHMT1	FBN2	GCDH	GY1	IL20RA	KLF1
ADAMTS10	AP4S1	BRAT1	CEP41	COX14	DHFR	EIF2AK3	FBP1	GCH1	GYS2	IL21	KLF11
ADAMTS13	AP0C2	BRCA2	CEP63	COX15	DHODH	EIF2AK4	FBXL4	GCK	HACD1	IL21R	KLHL40
ADAMT-SL2	APOP11	BRIP1	CERS3	COX20	DHTKD1	EIF2B4	FBXW4	GCSH	HADH	IL2RA	KLHL41
ADAR	APTX	BSCL2	CFL2	COX4I1	DICER1	ELAC2	FECH	GDAP1	HADHA	IL2RG	KMT2A
ADAT3	AQP2	BSND	CFTR	COX4I2	DIS3L2	ELANE	FERMT1	GDF1	HADHB	IL7R	KMT2D
ADCK3	ARFGEF2	BTB	CHAT	COX6B1	DISP1	ELN	FERMT3	GDF3	HAL	IMPAD1	KPTN
ADCY5	ARG1	BUB1B	CHD2	CPOX	DKC1	ELOVL4	FGA	GDF5	HAND2	IMPDH1	KRAS
ADCY6	ARHGAP31	CHD7	CHD7	CPS1	DLAT	EML1	FBG	GDF6	HARS2	INPP5E	KRT1
ADGRG1	ARHGDIA	CHKB	CHKB	CPT1A	DLD	EMX2	FGD1	GDNF	HAX1	INPPL1	KRT10
ADK	ARHGEF9	CHMP1A	CHMP1A	CPT1B	DLG3	ENG	FGD4	GFAP	HBB	INS	KRT14
ADNP	ARID1A	CHN1	CHN1	CPT2	DLL3	ENPP1	FGF10	GFER	HCCS	INSR	KRT16
ADSL	ARID1B	CHRD1	CHRD1	CRB1	DLX3	EOGT	FGF3	GF11	HCF1	INVS	KRT2
AGA	ARL13B	CHRNA1	CHRNA1	CREBBP	DLX5	EP300	FGF8	GF11	HCN1	IQCB1	KRT5
AGK	ARL6	CHRNA4	CHRNA4	CRELD1	DMD	EPB42	FGFR1	GF11	HCN4	IRAK4	KRT81
AGL	ARMC4	CHRNA7	CHRNA7	CRHBP	DNA2	EPG5	FGFR2	GF11	HDAC4	IRF6	KRT83
AGPAT2	ARRDC4	CHRNB1	CHRNB1	CRHR1	DNAAF1	EPHA2	FGFR3	GH1	HDAC8	IRF8	KRT86
AGPS	ARSA	CRTP	CRTP	DNAAF2	EPHA2	EPH2	FGG	GJA1	HEPACAM	IRX4	KRT9
AGRN	ARSE	CRX	CRX	DNAAF3	ERBB3	ERBB3	FH	GJB2	HES7	ISCU	L1CAM
AGXT	ARX	CRYAA	CRYAA	DNAAF5	ERCC1	ERCC1	FIG4	GJB4	HESX1	ISP1	L2HGDH
AHCY	ASAH1	CRYAB	CRYAB	DNAH11	ERCC2	ERCC2	FKBP10	GJC2	HEXA	ITGA2B	LAMA2
AHDC1	ASCL1	CRYBA1	CRYBA1	DNAH5	ERCC3	ERCC3	FKBP14	GLA	HEXB	ITGA3	LAMA3
AHI1	ASL	CRYGC	CRYGC	DNAI1	ERCC4	ERCC4	FKRP	GLB1	HGSNAT	ITGA6	LAMB1
AIFM1	ASNS	CRYGD	CRYGD	DNAI2	ERCC5	ERCC5	FKTN	GLDC	HIBCH	ITGA7	LAMB2
AIMP1	ASPA	CSF3R	CSF3R	DNAJC19	ERCC6	ERCC6	FLG	GLE1	HLCS	ITGB3	LAMB3
AIP1	ASPM	CLCN1	CLCN1	CSP1	ERCC8	ERCC8	FLNA	GLI2	HMBS	ITGB4	LAMC2
AK2	ASS1	CARD11	CARD11	CTC1	ERF	ERF	FLNB	GLI3	HMGCL	ITPR1	LAMTOR2
AKR1D1	ASXL1	CTCF	CTCF	DNM1L	ERLIN2	ERLIN2	FLT4	GLIS3	HMGCS2	IVD	LARGE1
AKT2	ASXL3	CTDP1	CTDP1	DNM2	ERMARD	ERMARD	FLVCR2	GLRA1	HNFA1A	IYD	LARS
AKT3	ATIC	CTLA4	CTLA4	DNM3	ESCO2	ESCO2	FOLR1	GLRB	HNFB1B	JAG1	LARS2
		CLDN1	CLDN1	DOCK6	ETFA	ETFA	FOXC1	GLUD1	HNFA4A	JAGN1	LBR

LCA5	MEOX1	NBN	NR2F1	PEX3	POMT1	RELN	SECISBP2	SLC3A1	STK4	TMEM165	UGT1A1
LCK	MESP2	NDE1	NR2F2	PEX5	POMT2	RET	SEMA3E	SLC46A1	STRA6	TMEM216	UMPS
LDHA	MFF	NDP	NR3C1	PEX6	POP1	RFT1	SEPSECS	SLC4A1	STS	TMEM231	UNC13D
LEFTY2	MFSD8	NDUFA1	NR3C2	PEX7	POR	RFX6	SERAC1	SLC4A4	STT3A	TMEM237	UPB1
LEMD3	MGAT1	NDUFA10	NR5A1	PFKM	PORCN	RIPK4	SERPINA1	SLC52A1	STT3B	TMEM38B	UPF3B
LGI1	MGAT2	NDUFA11	NRAS	PGAP3	POU1F1	RIT1	SERPINC1	SLC52A2	STX1B	TMEM43	UQC2
LHCGR	MGME1	NDUFA12	NRXN1	PGK1	PPIB	RMND1	SERPINF1	SLC52A3	STXBP1	TMEM5	UQC3
LHX1	MGP	NDUFA13	NSD1	PGM1	PPT1	RMRP	SERPING1	SLC6A1	STXBP2	TMEM67	UQCRB
LHX3	MIB1	NDUFA2	NSDHL	PGM3	PQBP1	RNASEH2A	SERPINH1	SLC6A3	SUCLA2	TMEM70	UQCRC2
LHX4	MID1	NDUFA4	NSMF	PHEX	PREPL	RNASEH2B	SERPINI1	SLC6A5	SUCLG1	TNFRSF11A	UQCRQ
LIAS	MITF	NDUFA9	NSUN2	PHF6	PRF1	RNASEH2C	SETBP1	SLC6A8	SUGCT	TNFRSF11B	UROD
LIFR	MKKS	NDUFAF1	NTRK1	PHF8	PRICKLE1	RNASET2	SETD5	SLC7A7	SULF1	TNFRSF13C	UROS
LIG4	MKS1	NDUFAF2	NUBPL	PHGDH	PRKAG2	ROBO3	SF3B4	SLC7A9	SUMF1	TNFSF11	USB1
LIPA	MLC1	NDUFAF3	NUP62	PHKA2	PRKAR1A	ROGDI	SFTPBP	SLC9A6	SUOX	TNK2	USH1C
LIPN	MLYCD	NDUFAF4	NYX	PHKB	PRKCD	ROR2	SFTPC	SLIT3	SURF1	TNNI2	USP9X
LIPT1	MMAA	NDUFAF5	OAT	PHKG2	PROC	RPE65	SFTPD	SLURP1	SYNE1	TNNI3K	UVSSA
LMAN1	MMAB	NDUFAF6	OBSL1	PHOX2B	PRODH	RPGRIP1	SFXN4	SLX4	SYNE2	TNNT1	VANGL1
LMBR1	MMACHC	NDUFAF7	OCLN	PHYH	PROKR2	RPGRIP1L	SGCE	SMAD3	SYNGAP1	TNNT3	VARS2
LMBRD1	MMADHC	NDUFB3	OCLN	PIEZO1	PROP1	RPL11	SGSH	SMAD4	SZT2	TP63	VDR
LMNA	MMP13	NDUFB9	OGDH	PIEZO2	PROS1	RPL15	SH3PXD2B	SMAD6	TAB2	TP1	VEGFC
LMOD3	MMP14	NDUFS1	OPA1	PIGA	PRPS1	RPL26	SHANK3	SMAD9	TAC3	TPM2	VIPAS39
LMX1B	MMP2	NDUFS2	OPA3	PIGL	PRRT2	RPL35A	SHH	SMARCA2	TAC01	TPM3	VLDR
LPIN1	MMP9	NDUFS3	OPHN1	PIGM	PRSS56	RPL5	SHOC2	SMARCA4	TACR3	TPO	VMA21
LPIN2	MOCS1	NDUFS4	OPLAH	PIGN	PRX	RPN2	SHOX	SMARCAL1	TALDO1	TPP1	VPS11
LPL	MOCS2	NDUFS6	ORC1	PIGO	PSAP	RPS10	SIK1	SMARCB1	TARS2	TRAC	VPS13B
LRAT	MOGS	NDUFS7	ORC4	PIGQ	PSAT1	RPS19	SIL1	SMARCE1	TAT	TRAP1	VPS33B
LRBA	MPC1	NDUFS8	ORC6	PIGT	PSPH	RPS24	SIX1	SMC1A	TAZ	TRAPPC9	VPS45
LRI73	MPDU1	NDUFV1	OSTM1	PIGV	PSTPIP1	RPS26	SIX2	SMC3	TBC1D20	TREX1	VPS53
LRP2	MPDZ	NDUFV2	OTC	PIK3CA	PTCH1	RPS28	SIX3	SMPD1	TBC1D24	TRHR	VRK1
LRP4	MPI	NEB	OXCT1	PIK3CD	PTCH2	RPS29	SIX5	SMS	TBCE	TRIM32	VWF
LRP5	MPL	NECAP1	P3H1	PIK3R1	PTDSS1	RPS6KA3	SKI	SNAI2	TBX1	TRIP11	WAC
LRPPRC	MPV17	NEK1	PACS1	PIK3R2	PTEN	RPS7	SLC10A2	SNAP25	TBX15	TRMT10A	WAS
LRRC6	MPZ	NEU1	PAFAH1B1	PIP5K1C	PTF1A	RPSA	SLC12A1	SNAP29	TBX19	TRMU	WDPCP
LRRC8A	MRAP	NEUROD1	PAH	PITX1	PTH1R	RRAS	SLC12A5	SNIP1	TBX20	TRNT1	WDR19
LTBP4	MRE11A	NEUROG3	PANK2	PITX2	PTHLH	RRM2B	SLC12A6	SNRPB	TBX3	TRPA1	WDR35
LYRM4	MRPL3	NF1	PAX2	PKHD1	PTPN11	RSPH1	SLC13A5	SNRPN	TBX4	TRPM1	WDR45
LYST	MRPL44	NFIX	PAX3	PKHD1	PTPRC	RSPH3	SLC16A1	SNTA1	TBX5	TRPM6	WDR62
LZTFL1	MRPS16	NFKB1	PAX6	PKLR	PTRF	RSPH4A	SLC16A2	SOD3	TBX6	TRPS1	WDR73
LZTR1	MRPS22	NFKBIA	PAX8	PKP1	PTK5	RSPH9	SLC17A5	SOS1	TBKAS1	TRPV4	WDR81
MAF	MS4A1	NFU1	PBX1	PKP2	PURA	RTEL1	SLC19A2	SOS2	TCAP	TSC1	WFS1
MAFB	MSMO1	NGF	PC	PLA2G6	PUS1	RTTN	SLC19A3	SOX10	TCF12	TSC2	WNK1
MAGEL2	MTFMT	NGLY1	PCBD1	PLCB1	PYCR1	RUNX1	SLC22A5	SOX11	TCF4	TSEN2	WNT1
MAN1B1	MTHFR	NHEJ1	PCCA	PLCB4	PYCR2	RUNX2	SLC25A1	SOX18	TCIRG1	TSEN34	WNT10A
MAN2B1	MTM1	NHLRC1	PCCB	PLCG2	PYGL	RYR1	SLC25A12	SOX2	TCN2	TSEN54	WNT3
MANBA	MTO1	NHS	PCDH19	PLEC	PYGM	SALL1	SLC25A13	SOX3	TCOF1	TSFM	WNT5A
MAP2K1	MTOR	NID1	PCK1	PLG	QARS	SALL4	SLC25A15	SOX9	TCTN1	TSHB	WNT7A
MAP2K2	MTPAP	NIN	PCK2	PLOD1	QDPR	SAMHD1	SLC25A19	SP7	TCTN2	TSHR	WT1
MARS2	MTR	NIPAL4	PCNT	PLOD2	RAB18	SAR1B	SLC25A20	SPAG1	TCTN3	TSR2	WWOX
MASP1	MTRR	NIPBL	PDE4D	PLOD3	RAB23	SARS2	SLC25A22	SPATA5	TDGF1	TTC19	XDH
MASTL	MUSK	NKX2-1	PDE5A	PLP1	RAB27A	SATB2	SLC25A3	SPECC1L	TECPR2	TTC21B	XIAP
MAT1A	MUT	NKX2-2	PDE6D	PMM2	RAB33B	SBDS	SLC25A38	SPEG	TEK	TTC7A	XPA
MBD5	MVK	NKX2-5	PDGFRA	PMP22	RAB3GAP1	SC5D	SLC25A4	SPINK5	TERT	TTN	XPC
MC2R	MYBPC1	NKX2-6	PDGFRA	PNKD	RAB3GAP2	SCARF2	SLC26A2	SPR	TFAP2A	TUBA1A	XRCC2
MC4R	MYCN	NKX3-2	PDHA1	PNKP	RAC2	SCN11A	SLC26A3	SPRED1	TFAP2B	TUBA8	XYLT1
MCCC1	MYH11	NLRP3	PDHB	PNLIP	RAD51	SCN1A	SLC26A4	SPTA1	TFB1M	TUBB	YARS2
MCCC2	MYH2	NME8	PDHX	PNP	RAD51C	SCN1B	SLC27A4	SPTAN1	TG	TUBB2A	ZAP70
MCEE	MYH3	NMNAT1	PDP1	PNPLA1	RAF1	SCN2A	SLC27A5	SPTB	TGDS	TUBB2B	ZBTB24
MCFD2	MYH6	NNT	PDSS1	PNPLA8	RAG1	SCN4A	SLC29A3	SPTBN2	TGFB1	TUBB3	ZC4H2
MCM4	MYH7	NODAL	PDSS2	PNPO	RAG2	SCN4B	SLC2A1	SPTLC1	TGFB2	TUBB4A	ZEB2
MCOLN1	MYH7B	NOG	PDX1	PNPT1	RAI1	SCN5A	SLC2A10	SRCAP	TGFB3	TUBG1	ZFP57
MCPH1	MYH8	NOS3	PEPD	POC1A	RANBP2	SCN8A	SLC2A2	SRD5A3	TGFBR1	TUBGCP6	ZFPM2
MCTP2	MYH9	NOTCH1	PET100	POLG	RAPSN	SCN9A	SLC33A1	SRPX2	TGFBR2	TUFM	ZIC2
MECP2	MYO18B	NOTCH2	PEX1	POLG2	RARB	SCNN1A	SLC34A1	SSR4	TGIF1	TULP1	ZIC3
MED12	MYO5A	NPC1	PEX10	POLR1C	RARS2	SCNN1B	SLC34A3	ST14	TGM1	TUSC3	ZMPSTE24
MED13L	NAA10	NPC2	PEX11B	POLR1D	RASA1	SCNN1G	SLC35A1	ST3GAL3	TGM5	TWIST1	ZMYND10
MED17	NADK2	NPHP1	PEX12	POLR3A	RASA2	SCO1	SLC35A2	ST3GAL5	TH	TYR	ZNF141
MEF2A	NAGA	NPHP3	PEX13	POLR3B	RASGRP2	SCO2	SLC35A3	STAC3	THRB	UBA1	ZNF335
MEF2C	NAGLU	NPHP4	PEX14	POMC	RBBP8	SDCCAG8	SLC35C1	STAMPB	TINF2	UBA2T	
MEFV	NAGS	NPHS1	PEX16	POMGNT1	RBCK1	SDHAF1	SLC35D1	STAR	TJP2	UBE3A	
MEGF10	NALCN	NPR2	PEX19	POMGNT2	RBM10	SDHB	SLC37A4	STAT1	TK2	UBE3B	
MEGF8	NARS2	NROB1	PEX2	POMK	RBM8A	SDHD	SLC39A13	STAT3	TMEM126A	UBR1	
MEIS2	NBEAL2	NR1H4	PEX26	POMP	RECQL4	SEC23B	SLC39A4	STIL	TMEM138	UCP2	

Client Service Representatives are available from 8:30 AM to 6:30 PM Eastern Time (US). Customers in the US and Canada please call toll free **1.800.394.4493** or visit us online at AthenaDiagnostics.com.



AthenaDiagnostics.com

Athena, Athena Diagnostics and any associated logos, registered or unregistered trademarks are the property of Athena Diagnostics, Inc. All third-party marks—© and ™—are the property of their respective owners. © 2019 Athena Diagnostics Incorporated. All rights reserved. ADX609 3/20