

	Fundamental (male)	Fundamental (female)	Core (male)	Core (female)	Expanded (male)	Expanded (female)	Comprehensive (male)	Comprehensive (female)
	2 genes	2 genes	30 genes	39 genes	99 genes	115 genes	257 genes	278 genes
ABCA3			ABCC8	ABCC8	ABCA3	ABCA3	ABCA3	ABCA3
ABCC8				ABCC8	ABCC8	ABCC8	ABCC8	ABCC8
ABCD1				ABCD1		ABCD1		ABCD1
ACADM			ACADM	ACADM	ACADM	ACADM	ACADM	ACADM
ACADS							ACADS	ACADS
ACADVL					ACADVL	ACADVL	ACADVL	ACADVL
ACAT1					ACAT1	ACAT1	ACAT1	ACAT1
ADA							ADA	ADA
ADAMTS2							ADAMTS2	ADAMTS2
AGA					AGA	AGA	AGA	AGA
AGL							AGL	AGL
AGXT					AGXT	AGXT	AGXT	AGXT
AHI1					AHI1	AHI1	AHI1	AHI1
AIRE					AIRE	AIRE	AIRE	AIRE
ALDH3A2							ALDH3A2	ALDH3A2
ALDOB			ALDOB	ALDOB	ALDOB	ALDOB	ALDOB	ALDOB
ALG6							ALG6	ALG6
ALMS1							ALMS1	ALMS1
ALPL					ALPL	ALPL	ALPL	ALPL
AMT							AMT	AMT
ANO10					ANO10	ANO10	ANO10	ANO10
ARG1							ARG1	ARG1
ARSA					ARSA	ARSA	ARSA	ARSA
ARSB							ARSB	ARSB
ARX						ARX		ARX
ASL					ASL	ASL	ASL	ASL
ASNS							ASNS	ASNS
ASPA			ASPA	ASPA	ASPA	ASPA	ASPA	ASPA
ASS1							ASS1	ASS1
ATM							ATM	ATM
ATP6V1B1							ATP6V1B1	ATP6V1B1
ATP7A								ATP7A
ATP7B			ATP7B	ATP7B	ATP7B	ATP7B	ATP7B	ATP7B
BB51					BB51	BB51	BB51	BB51
BBS10							BBS10	BBS10
BBS12							BBS12	BBS12
BBS2					BBS2	BBS2	BBS2	BBS2
BCKDHA					BCKDHB	BCKDHB	BCKDHA	BCKDHA
BCKDHB							BCKDHB	BCKDHB
BCS1L							BCS1L	BCS1L
BLM			BLM	BLM	BLM	BLM	BLM	BLM
BTD					BTD	BTD	BTD	BTD
CAPN3							CAPN3	CAPN3
CB5					CB5	CB5	CB5	CB5
CC2D2A					CC2D2A	CC2D2A	CC2D2A	CC2D2A
CCDC88C					CCDC88C	CCDC88C	CCDC88C	CCDC88C
CDH23							CDH23	CDH23
CEP290					CEP290	CEP290	CEP290	CEP290
CERKL							CERKL	CERKL
CFTR	CFTR	CFTR	CFTR	CFTR	CFTR	CFTR	CFTR	CFTR
CHM								CHM
CHRNA					CHRNA	CHRNA	CHRNA	CHRNA
CLCN1					CLCN1	CLCN1	CLCN1	CLCN1
CLN3							CLN3	CLN3
CLN5							CLN5	CLN5
CLN6							CLN6	CLN6
CLN8							CLN8	CLN8
CLRN1					CLRN1	CLRN1	CLRN1	CLRN1
CNGB3					CNGB3	CNGB3	CNGB3	CNGB3
COL4A3							COL4A3	COL4A3
COL4A4							COL4A4	COL4A4
COL4A5				COL4A5		COL4A5		COL4A5
COL7A1					COL7A1	COL7A1	COL7A1	COL7A1
CP51							CP51	CP51
CPT1A							CPT1A	CPT1A
CPT2			CPT2	CPT2	CPT2	CPT2	CPT2	CPT2
CRYL1					CRYL1*	CRYL1*	CRYL1*	CRYL1*
CTNS							CTNS	CTNS
CTSK							CTSK	CTSK
CYBA							CYBA	CYBA
CYP11A1					CYP11A1	CYP11A1	CYP11A1	CYP11A1
CYP11B1							CYP11B1	CYP11B1
CYP11B2							CYP11B2	CYP11B2
CYP21A2					CYP21A2	CYP21A2	CYP21A2	CYP21A2
CYP27A1					CYP27A1	CYP27A1	CYP27A1	CYP27A1
CYP27B1					CYP27B1	CYP27B1	CYP27B1	CYP27B1
DBT							DBT	DBT
DCLRE1C							DCLRE1C	DCLRE1C
DHCR7			DHCR7	DHCR7	DHCR7	DHCR7	DHCR7	DHCR7
DHDDS					DHDDS	DHDDS	DHDDS	DHDDS
DLD			DLD	DLD	DLD	DLD	DLD	DLD
DMD				DMD		DMD		DMD
DNAH5							DNAH5	DNAH5
DNAI1							DNAI1	DNAI1
DNAI2							DNAI2	DNAI2
DPYD							DPYD	DPYD
DYNC2H1					DYNC2H1	DYNC2H1	DYNC2H1	DYNC2H1
DYSF			ELP1	ELP1			DYSF	DYSF
ELP1				ELP1	ELP1	ELP1	ELP1	ELP1
ERCC2					ERCC2	ERCC2	ERCC2	ERCC2
ERCC6							ERCC6	ERCC6
ERCC8							ERCC8	ERCC8
ETHE1							ETHE1	ETHE1
EVC							EVC	EVC
EVC2					EVC2	EVC2	EVC2	EVC2
EYS							EYS	EYS
F11							F11	F11
F9						F9		F9
FAH					FAH	FAH	FAH	FAH
FAM161A							FAM161A	FAM161A
FANCA							FANCA	FANCA
FANCC			FANCC	FANCC	FANCC	FANCC	FANCC	FANCC
FKRP					FKRP	FKRP	FKRP	FKRP
FKTN			FKTN	FKTN	FKTN	FKTN	FKTN	FKTN
FMO3					FMO3	FMO3	FMO3	FMO3
FMRI				FMRI			FMRI	FMRI
G6PC1					G6PC1	G6PC1	G6PC1	G6PC1
GAA			GAA	GAA			GAA	GAA
GALC			GALC	GALC	GALC	GALC	GALC	GALC
GALK1							GALK1	GALK1
GALNS							GALNS	GALNS
GALT					GALT	GALT	GALT	GALT
GAMT							GAMT	GAMT
GBA			GBA	GBA	GBA	GBA	GBA	GBA
GBE1					GBE1	GBE1	GBE1	GBE1
GCDH							GCDH	GCDH
GJB1								GJB1
GJB2					GJB2	GJB2	GLB2	GJB2
GJB6					GJB6*	GJB6*	GLB6*	GJB6*
GLA				GLA				GLA
GLB1							GLB1	GLB1
GLDC							GLDC	GLDC
GLE1							GLE1	GLE1
GNE							GNE	GNE
GNPTAB					GNPTAB	GNPTAB	GNPTAB	GNPTAB
GNPTG							GNPTG	GNPTG
GNS							GNS	GNS
GRHPR							GRHPR	GRHPR
GRIPI					GRIPI	GRIPI	GRIPI	GRIPI
GUSB							GUSB	GUSB
	Fundamental (male)	Fundamental (female)	Core (male)	Core (female)	Expanded (male)	Expanded (female)	Comprehensive (male)	Comprehensive (female)
HADHA							HADHA	HADHA
HBA1			HBA1	HBA1	HBA1	HBA1	HBA1	HBA1
HBA2			HBA2	HBA2	HBA2	HBA2	HBA2	HBA2
HBB			HEXA	HBB	HEXA	HEXA	HBB	HBB
HEXA			HEXA	HEXA	HEXA	HEXA	HEXA	HEXA
HEXB							HEXB	HEXB
HGD							HGD	HGD
HGSNAT							HGSNAT	HGSNAT
HLCS							HLCS	HLCS
HMGCL							HMGCL	HMGCL
HOGA1			HOGA1	HOGA1	HOGA1	HOGA1	HOGA1	HOGA1
HPS1					HPS1	HPS1	HPS1	HPS1
HPS3					HPS3	HPS3	HPS3	HPS3
HSD17B4							HSD17B4	HSD17B4
HYLS1							HYLS1	HYLS1
IDS				IDS		IDS		IDS
IDUA					IDUA	IDUA	IDUA	IDUA
IL2RG							IL2RG	IL2RG
IVD							IVD	IVD
KCNJ11							KCNJ11	KCNJ11
LICAM						LICAM		LICAM
LAMA2							LAMA2	LAMA2
LAMA3							LAMA3	LAMA3
LAMB3							LAMB3	LAMB3
LAMC2							LAMC2	LAMC2
LIPA							LIPA	LIPA
LOXHD1							LOXHD1	LOXHD1
LRP2					LRP2	LRP2	LRP2	LRP2
LRPPRC							LRPPRC	LRPPRC
MAN2B1							MAN2B1	MAN2B1
MCCC1							MCCC1	MCCC1
MCCC2					MCCC2	MCCC2	MCCC2	MCCC2
MCOLN1			MCOLN1	MCOLN1	MCOLN1	MCOLN1	MCOLN1	MCOLN1
MCPH1					MCPH1	MCPH1	MCPH1	MCPH1
MED17							MED17	MED17
MEFV							MEFV	MEFV
MESP2							MESP2	MESP2
MID1						MID1		MID1
MLC1					MLC1	MLC1	MLC1	MLC1
MMAA							MMAA	MMAA
MMAB							MMAB	MMAB
MMACHC					MMACHC	MMACHC	MMACHC	MMACHC
MMUT					MMUT	MMUT	MMUT	MMUT
MPL							MPL	MPL
MTHFR							MTHFR	MTHFR
MTM1				MTM1		MTM1		MTM1
MTTP							MTTP	MTTP
MVK					MVK	MVK	MVK	MVK
MYO7A							MYO7A	MYO7A
NAGA					NAGA	NAGA	NAGA	NAGA
NAGLU							NAGLU	NAGLU
NBN							NBN	NBN
NDUFAF5							NDUFAF5	NDUFAF5
NDUF54							NDUF54	NDUF54
NDUF56							NDUF56	NDUF56
NEB					NEB	NEB		NEB
NPC1							NPC1	NPC1
NPC2							NPC2	NPC2
NPHS1					NPHS1	NPHS1	NPHS1	NPHS1
NPHS2							NPHS2	NPHS2
NROB1				NROB1		NROB1		NROB1
NR2E3							NR2E3	NR2E3
NTRK1							NTRK1	NTRK1
OAT							OAT	OAT
OCA2					OCA2	OCA2	OCA2	OCA2
OPA3							OPA3	OPA3
OTC							OTC	OTC
PAH			PAH	PAH	PAH	PAH	PAH	PAH
PC							PC	PC
PCCA							PCCA	PCCA
PCCB							PCCB	PCCB
PCDH15					PCDH15	PCDH15	PCDH15	PCDH15
PDHA1							PDHA1	PDHA1
PEX1							PEX1	PEX1
PEX10							PEX10	PEX10
PEX12							PEX12	PEX12
PEX2							PEX2	PEX2
PEX26							PEX26	PEX26
PEX6							PEX6	PEX6
PEX7							PEX7	PEX7
PFKM							PFKM	PFKM
PHGDH							PHGDH	PHGDH
PKHD1			PKHD1	PKHD1	PKHD1	PKHD1	PKHD1	PKHD1
PLP1						PLP1		PLP1
PMM2			PMM2	PMM2	PMM2	PMM2	PMM2	PMM2
POLG					POLG	POLG	POLG	POLG
POMGNT1							POMGNT1	POMGNT1
PPT1							PPT1	PPT1
PRF1					PRF1	PRF1	PRF1	PRF1
PROP1							PROP1	PROP1
PTS							PTS	PTS
PUS1			</					