

Cardiovascular Gene Panel List | May 2017

CustomNext-Cardio Up to 106 genes	CardioNext 85 genes	CMNext 55 genes	DCMNext 36 genes	HCMFirst 2 genes	HCMNext 27 genes	ARVDNext 9 genes	LVNCNext 8 genes	CPVTNext 6 genes	RhythmFirst 12 genes	RhythmNext 36 genes	TAADNext 22 genes	FHNext 4 genes + SNP
4-5 weeks	4-5 weeks	4-5 weeks	4-5 weeks	2-3 weeks	4-5 weeks	4-5 weeks	4-5 weeks	4-5 weeks	2-3 weeks	4-5 weeks	2-4 weeks	2-3 weeks
CRYAB	CRYAB	CRYAB										APOB
EMD	EMD	EMD										LDLR
GATAD1	GATAD1	GATAD1										LDLRAP1*
ABCC9	ABCC9	ABCC9	ABCC9									PCSK9
BAG3	BAG3	BAG3	BAG3									SLCO1B1 (c.521T>C)
DES	DES	DES	DES									
DMD	DMD	DMD	DMD									
EYA4	EYA4	EYA4	EYA4									
FKTN	FKTN	FKTN	FKTN									
LAMA4	LAMA4	LAMA4	LAMA4									
RBM20	RBM20	RBM20	RBM20									
TMPO	TMPO	TMPO	TMPO									
TTN*	TTN*	TTN*	TTN*									
TXNRD2^	TXNRD2^	TXNRD2^	TXNRD2^									
ACTN2	ACTN2	ACTN2	ACTN2		ACTN2							
ANKRD1	ANKRD1	ANKRD1	ANKRD1		ANKRD1							
CSRP3	CSRP3	CSRP3	CSRP3		CSRP3							
LAMP2	LAMP2	LAMP2	LAMP2		LAMP2							
MYBPC3	MYBPC3	MYBPC3	MYBPC3	MYBPC3	MYBPC3		MYBPC3					
MYH6	MYH6	MYH6	MYH6		MYH6							
MYH7	MYH7	MYH7	MYH7	MYH7	MYH7		MYH7					
MYPN	MYPN	MYPN	MYPN		MYPN							
NEXN	NEXN	NEXN	NEXN		NEXN							
PLN	PLN	PLN	PLN		PLN							
TCAP	TCAP	TCAP	TCAP		TCAP							
TNNC1	TNNC1	TNNC1	TNNC1		TNNC1							

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TNNI3	TNNI3	TNNI3	TNNI3		TNNI3							
VCL	VCL	VCL	VCL		VCL							
RAF1	RAF1	RAF1	RAF1		RAF1							
LMNA	LMNA	LMNA	LMNA			LMNA	LMNA			LMNA		
NKX2.5	NKX2.5	NKX2.5	NKX2.5							NKX2.5		
SCN5A	SCN5A	SCN5A	SCN5A						SCN5A	SCN5A		
TBX20	TBX20	TBX20	TBX20									
TAZ	TAZ	TAZ	TAZ				TAZ					
ACTC1	ACTC1	ACTC1	ACTC1		ACTC1		ACTC1					
TNNT2	TNNT2	TNNT2	TNNT2		TNNT2		TNNT2					
TPM1	TPM1	TPM1	TPM1		TPM1		TPM1					
TTR	TTR	TTR	TTR		TTR							
LDB3/ZASP	LDB3/ZASP	LDB3/ZASP	LDB3/ZASP				LDB3/ZASP					
FXN	FXN	FXN			FXN							
GLA	GLA	GLA			GLA							
JPH2	JPH2	JPH2			JPH2							
MYL2	MYL2	MYL2			MYL2							
MYL3	MYL3	MYL3			MYL3							
MYOZ2	MYOZ2	MYOZ2			MYOZ2							
PRKAG2	PRKAG2	PRKAG2			PRKAG2							
PTPN11	PTPN11	PTPN11			PTPN11							
DSG2	DSG2	DSG2				DSG2				DSG2		
DSP	DSP	DSP				DSP				DSP		
DSC2	DSC2	DSC2				DSC2				DSC2		
JUP	JUP	JUP				JUP				JUP		
PKP2	PKP2	PKP2				PKP2				PKP2		
TGFB3	TGFB3	TGFB3				TGFB3				TGFB3	TGFB3	
TMEM43	TMEM43	TMEM43				TMEM43				TMEM43		

[illegible]

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KCNJ5	KCNJ5											
SCN2B	SCN2B											
TBX1 [^]	TBX1 [^]											
ACTA2											ACTA2	
CBS [^]											CBS [^]	
COL3A1											COL3A1	
COL5A1 [^]											COL5A1 [^]	
COL5A2											COL5A2	
FBN1											FBN1	
FBN2											FBN2	
FLNA [^]											FLNA [^]	
MED12											MED12	
MYH11											MYH11	
MYLK											MYLK	
NOTCH1											NOTCH1	
PLOD1											PLOD1	
PRKG1											PRKG1	
SKI											SKI	
SLC2A10											SLC2A10	
SMAD3											SMAD3	
SMAD4											SMAD4	
TGFB2											TGFB2	
TGFBR1											TGFBR1	
TGFBR2											TGFBR2	

*TTN is an optional add-on for CardioNext and CMNext, but is automatically included for DCMNext

[^]Deletion/duplication analysis is not included for this gene