





Fold difference (cKO - WT)

В







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Functional class	Protein	cKO_Sham/ WT_Sham	WT_TAC/ WT_Sham	cKO_TAC/ cKO_Sham	cKO_TAC/ WT_TAC
Cardiac stress factor	NPPA				
Contractile apparatus	α-MyHC β-MyHC ACTIN				
Markers of fibrosis	COL1A1 FN CTGF				
		≤ - 1.5	log ₂ () ratio)	≥ 4.0

Fu	nctional class	Protein	cKO_Sham/ WT_Sham	WT_TAC/ WT_Sham	cKO_TAC/ cKO_Sham	TAC_cKO/ TAC_WT
		TFAM				
	Mitochondrial	CPT1B				
	biogenesis and	GYS1				
en	ergy metabolism	НК2				
		SLC2A4				
		FIS1				
Mit	ochondrial fission	DRP1				
	and fusion	MFN1				
		MFN2				
S)		MT-ND1				
HC	Complex I	MT-ND4				
XO)		NDUFB8				
in	Constantin	SDHA				
CP.	Complex II	SDHB				
port	Complex III	MT-CYTB				
ans	Complex III	UQCRC2				
n tr	Complay IV	COX4				
ctro	Complex IV	MT-CO1				
Ele	Complex V	ATP5A1				
			≤ - 1.5	log ₂ () ratio)	≥ 1.5

WT_TAC/WT_Sham [signal_log2_ratio]

-	cKO_TAC/	cKO_TAC/	WT_TAC/	cKO_Sham/	Proteine	
	WI_IAC	CKO_Sham	wi_sham	wi_sham	NDUFA11 [CI]	u
Ac					SDHC [II]	latio
					NDUFAB1[I]	hory
					MTCO1 [IV]	lqsc
					ATPAF1 [V]	Pho
					UQCRB [III]	tive
					UQCRFS1 [III]	cida.
					ATP5F1B[V]	ô
Butar	cKO_TAC/	cKO_TAC/	WT TAC/	cKO_Sham/		
Dutai	WT TAC	cKO Sham	WT Sham	WT Sham	Proteine	
			_		HSD17B4	
					SCP2	
					ACSL6	
					ACAA1A	
					ECHS1	_
					HSD17B8	tion
						Cidat
Hexar					ECHDU3	}-ox
					AUH	cid B
					ECI2	y Ac
					ACADM	Fatt
					HADHA	
					HADH	
					HADHB	
					ECI1	
					SLC27A1	
Octar						
					ACAAZ	
	cKO_TAC/	cKO_TAC/	WT TAC/	cKO_Sham/		
	WT TAC	cKO Sham	WT Sham	WT Sham	Proteine	, of
	-		_		LBR	way erol ìesis
					ACAT1	ath lest /nth
					HADHA	oerp Cho Sios'
					HADHB	Sup
_					ACAA2	
Deca						
	CKO TAC/		WT TAC/	cKO_Sham/		
	WT TAC	cKO Sham	WT Sham	WT Sham	Proteine	e v
					NQ01	lativ e
					SOD3	Oxic onse
					TXNRD1	ted (
					ABCC1	diat ss Re
					RALA	-me itres
					CBR1	RF2. S
Dadaaa					SOD1	Z
Dodeca					AKR/A2	
Dodeca						
Dodeca			WT TAC/	cKO Sham/		
Dodeca	cKO_TAC/	cKO_TAC/	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine	
Dodeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A	
Dodeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2	
Dodeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9	ling
Dodeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN	gnaling
Dodeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4	n Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B	leton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA	skeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A	ytoskeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A ARPC5 PA16	in Cytoskeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A ARPC1A ARPC5 RALA	Actin Cytoskeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A ARPC1A ARPC5 RALA ITGA1 FGE1	Actin Cytoskeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	cKO_TAC/ cKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham 2 2 3 4 4 5 4 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A ARPC5 RALA ITGA1 FGF1 MYLK	Actin Cytoskeleton Signaling
Dodeca Tetradeca	cKO_TAC/ WT_TAC	CKO_TAC/ CKO_Sham	WT_TAC/ WT_Sham	cKO_Sham/ WT_Sham Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganaga Ganag	Proteine PPP1R12A CFL2 MYH9 MSN ACTN4 MYL12B FLNA ARPC1A ARPC5 RALA ITGA1 FGF1 MYLK MYLK3	Actin Cytoskeleton Signaling



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