

Table S1. CREB-target genes dysregulated in the *mdx* mouse model

Gene Name	Gene Symbol	Accession#	dys-regulation in <i>mdx</i> muscle	cAMP responsive	CREB target gene references
Metabolism					
S-adenosylmethionine decarboxylase 1	Amd1	D12780	down ^{a,b}	yes ^e	^e
hexokinase-2	Hk2	Y11666	down ^a	yes ^f	^{e,f}
carnitine palmitoyltransferase 1, liver	Cpt1a	AF017175	up ^a	yes ^f	^{e,f}
ras-related associated with diabetes	Rrad	AF084466	up ^{a,c}	yes ^f	^f
syndecan binding protein	Sdcbp	AF077527	up ^a	yes ^f	^f
Signaling					
heat shock 70kD protein 5 (glucose-regulated protein, 78kD)	Hspa5	NM_022310	up ^a	yes ^f	^f
A disintegrin and metalloproteinase domain 9 (meltrin gamma)	Adam9	NM_007404	down ^d	yes ^f	^f
RalBP1 associated Eps domain containing protein	Reps1	NM_009048	down ^d	yes ^f	^f
Cell Cycle Control/Cell Survival/Apoptosis					
cyclin D1	Ccnd1	AI849928	up ^{c,g}	yes ^e	^e
regulator of G-protein signaling 2	Rgs2	U67187	up ^{c,a}	yes ^f	^f
proliferating cell nuclear antigen	Pcna	X57800	up ^a	yes ^e	^e
zinc finger protein regulator of apoptosis and cell cycle arrest	Zac1	X95504	up ^a	yes ^f	^f
transducer of ErbB-2.1	Tob1	NM_009427	up ^d	yes ^f	^f
Transcription/Transcription Regulation					
inhibitor of DNA binding 2	Idb2	AF077861	up ^{a,d}	yes ^f	^f
CCAAT/enhancer binding protein (C/EBP), delta	Cebpd	NM_007679	up ^{a,c,d}	yes ^f	^f
CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	NM_009883	down ^{d,g}	yes ^f	^f
activating transcription factor 3	Atf3	NM_007498	up ^{d,a}	yes ^f	^f
Proteolysis					
ubiquitin-conjugating enzyme E2B	Ube2b		down ^a	yes ^f	^f
ATPase, H ⁺ transporting, lysosomal 70kD, V1 subunit A, isoform 1	Atp6v1a1	U13837	up ^a	yes ^f	^f
Other					
UDP-glucose ceramide glucosyltransferase	Ugcg	AI853172	up ^a	yes ^f	^f
tenascin C	Tnc	AV230686	up ^{a,b}	yes ^f	^f
hairy/enhancer-of-split related with YRPW motif 1	Hey1	NM_010423	down ^d	yes ^f	^f

Supplemental Table S1. CREB-target genes dysregulated in the *mdx* mouse model. Dysregulated genes in *mdx* hindlimb muscle^{a,b,c,d} were cross-referenced to known CREB-target genes^e and/or CREB-target genes shown to be responsive to cAMP^f, and therefore downstream of the cAMP-PKA mediated activation of CREB. Genes are listed by functional group. ^a,(ref.40); ^b, (ref.39); ^c,(ref.38); ^d, (ref.41); ^e,(ref.33); ^f,(ref.42); ^g,(ref.35)*dysregulated in DMD.

References for Supplemental Table S1

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