Known Transcription Factor Biological Roles				Experimental Support in Literature	Mostly Novel Target Genes and Binding Site Predictions			
Transcription Factor	Species	Ontology	PRISM Biological Role	Selected citation	PRISM Target Genes	PRISM Binding Sites	p-value	Fold
MEF2A	Human	GO Cellular Component	contractile fiber	"Cardiomyocytes from viable Mef2a-/- mutants at P5 exhibited pronounced myofibrillar fragmentation and disorganization compared with control mice." (Naya et al. 2002)	65	128	1.22×10^{-13}	2.1
Myod1	Mouse	GO Biological Process	striated muscle tissue development	"…MyoD1 plays a primary role in the commitment of primitive mesenchymal cells to a striated muscle lineage." (Parham et al. 1994)	80	236	4.59×10^{-23}	2.0
MYOG	Human	Mouse Phenotypes	abnormal muscle development	"Myogenin [MYOG] (−/−) and MRF4 [MYF6] (−/−) mouse embryos… are deficient in differentiated muscles." (Pownall et al. 2002)	51	146	2.81×10^{-25}	2.7
MYF5	Human	GO Cellular Component	myosin complex	"Myf5, and the calcineurin pathway activate the developmental myosin heavy chain genes." (Beylkin et al. 2006)	36	59	8.31×10^{-8}	2.2
MYF6	Human	Mouse Phenotypes	abnormal muscle development	"Myogenin [MYOG] (−/−) and MRF4 [MYF6] (−/−) mouse embryos… are deficient in differentiated muscles." (Pownall et al. 2002)	42	110	3.27×10^{-11}	2.0