Appendix

Reported fold differences from the DNA microarray for all genes are reported as significantly different between paretic and nonparetic leg muscles as grouped by function of the gene. Positive numbers indicate higher gene expression levels in the paretic muscle samples, whereas negative numbers represent lower gene transcript levels in the paretic muscle samples. The genes without known identities or functions are not included.

Gene Symbol	Fold Change	Function
C10orf116	1.84	Adipose Tissue
BEXL1	1.51	Brain Function
BLCAP	1.69	Cancer
ACTC	1.92	Cardiac Muscle Contraction
DLEU2L	2.41	Cell Cycle
CDKN1A	2.35	Cell Cycle
GADD45A	2.13	Cell Cycle
(FLJ41484, GAS6)	2.12	Cell Cycle
ERBB3	2.09	Cell Cycle
EPB41L3	1.74	Cell Cycle
ETS2	1.66	Cell Cycle
OIP5	1.58	Cell Cycle
CUGBP2	1.56	Cell Cycle
CYHR1	-1.59	Cell Cycle
MSH3	-1.66	Cell Cycle
KCNN3	1.96	Cell Membrane Permeability
LRRN3	1.58	Cell Membrane Permeability
SRD5A2L2	-1.61	Cell Membrane Permeability
LRP11	1.53	Cell Receptor Activity
OSBPL6	1.5	Cell Receptor Activity
ARHGAP26	1.95	Cytoskeleton
CDC42EP3	1.72	Cytoskeleton
ENAH	1.6	Cytoskeleton
ADAMTS1	1.63	Inflammation
DUSP1	1.59	Inflammation
PLP2	1.51	Inflammation
IL17D	-1.52	Inflammation
(LOC285181, PRKAG3)	1.63	Insulin Signaling
CHRNA1	1.59	Ion Transport
SLC16A6	1.57	Ion Transport
MEGF10	1.75	Metabolism
(C18orf23, RNF165)	1.58	Metabolism
PFKFB3	1.65	Metabolism
CYP1B1	1.61	Metabolism
MTHFD2	1.56	Metabolism
GPD2	1.55	Metabolism
PDE5A	1.52	Metabolism
(NSUN5B, PPAP2A)	-1.62	Metabolism
(BDH1, DKFZP586B0319)	-1.85	Metabolism
OXCT1	-2.01	Metabolism
OGFOD1	1.52	Metabolism
AGMAT	1.51	Metabolism
RP13-102H20.1	3.19	Mitogenesis

Gene Symbol	Fold Change	Function
PDGFC	2.08	Mitogenesis
PDGFC	1.62	Mitogenesis
MYOG	1.57	Mitogenesis
NARG2	-1.53	Mitogenesis
(MYH3, MYH8)	4.27	Muscle Contraction
MYH8	3.66	Muscle Contraction
(ATP5I, LOC649851, MYL5)	2.97	Muscle Contraction
LIMA1	1.52	Muscle Contraction
MRCL3	-1.51	Muscle Contraction
MYL6B	-1.62	Muscle Contraction
FEZ1	1.68	Neuronal Development
ZA20D1	1.51	NFκB Activity
FRZB	2.16	Osteoarthritis
KIAA1799	2.36	Signal Transduction
CDC42EP3	1.97	Signal Transduction
CDC42EP3	1.96	Signal Transduction
FST	1.96	Signal Transduction
DCAMKL1	1.89	Signal Transduction
SNX7	1.78	Signal Transduction
PLCE1	1.77	Signal Transduction
PLCE1	1.75	Signal Transduction
(CDC2L1, CDC2L2)	1.73	Signal Transduction
RAPH1	1.68	Signal Transduction
PPAPDC1B	1.68	Signal Transduction
ARL6IP6	1.63	Signal Transduction
RASIP1	1.63	Signal Transduction
(FLJ23185, PPM1F)	1.61	Signal Transduction
FOSL2	1.58	Signal Transduction
DCAMKL1	1.58	Signal Transduction
MEGF10	1.58	Signal Transduction
FST	1.56	Signal Transduction
RHOB	1.56	Signal Transduction
CDC42EP3	1.53	Signal Transduction
MAST4	1.51	Signal Transduction
PPP1R1C	-1.65	Signal Transduction
MYOZ2	-1.72	Signal Transduction
ID4	2.46	Transcription
ZNF329	2.01	Transcription
ELL2	1.72	Transcription
MAF	1.72	Transcription
SOX4	1.58	Transcription
ZNF134	1.57	Transcription
SOX4	1.53	Transcription
(MIRN21, TMEM49)	1.52	Transcription
ATOH8	-1.51	Transcription
NRBF2	-1.51	Transcription
ZNF533	-1.52	Transcription
SMARCA4	-1.78	Transcription
(EIF4A1, SNORA67, ZDHHC9)	1.52	Translation
SEC24D	1.59	Vesicle Formation