Supporting information for Porter *et al.* (September 25, 2001) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.211257298.

Table 4. EOM-specific genes by SAM analysis

Accession no.	Gene	Putative function	Change
SAM threshold = 1.0			
L03279	Core binding factor beta (Cbfb)	Transcription regulation	↓
U60884	myc box dependent interacting protein 1 (Bin1)	Myogenesis	↓
AB015652	DJ-1	Oncogene	↓
AW122197	Protein kinase, cAMP-dependent regulatory, type 1, alpha (Prkar1a)	Signal transduction	↑
L12447	Insulin-like growth factor binding protein 5 (Igfbp5)	Growth factor binding	↑
AF030343	Peroxisomal/mitochondrial dienoyl-CoA isomerase (Ech1)	Fatty acid metabolism	↑
D12780	*S*-adenosylmethionine decarboxylase 1 (Amd1)	Polyamine biosynthesis	↓
Z23077	*S*-adenosylmethionine decarboxylase 2 (Amd2)	Polyamine biosynthesis	↓
AJ242874	Slow skeletal muscle troponin I (Tnni1)	Muscle contraction regulation	↑
AF087687	S100A1	Calcium-binding protein	↑
U93291	Skeletal muscle calsequestrin	Calcium binding protein	↑
X59382	Parvalbumin	Calcium-binding protein	↓
AJ006306	Skeletal muscle calcium channel, γ-subunit (Cacng1)	Calcium channel subunit	↓
M28383	Solute carrier family 4 (anion exchanger), member 3 (Slc4a3)	Inorganic ion transport	↑
M15501	Actin, alpha, cardiac (Actc1)	Cytoskeletal organization	↑
AF100171	Myelodysplasia/myeloid leukemia factor 1 (Mlf1)	Unknown	↓
AF084482	Transmembrane protein (Wfs1)	Unknown	↑
SAM threshold = 0.8			
D78382	Transducer of ErbB-2.1 (Tob1)	Signal transduction	↓
U47323	Stromal interaction molecule 1 (Stim1)	Growth supressor	↑
M74495	Adenylosuccinate synthetase 1, muscle (Adss1)	Purine nucleotide biosynthesis	↓
M29793	Slow/cardiac troponin C	Muscle contraction regulation	↑
X12973	Myosin alkali light chain, fast skeletal muscle isoform	Muscle contraction	↑
M28729	Tubulin α-1 (Tuba1)	Cytoskeleton	↑
AI853444	Expressed sequence tag	Unknown	↑
AI837116	Eexpressed sequence tag	Unknown	↑

Listed are all genes meeting SAM thresholds at which FDR = 0 for EOM versus jaw-leg. Change denotes direction of EOM expression level relative to the other muscles.