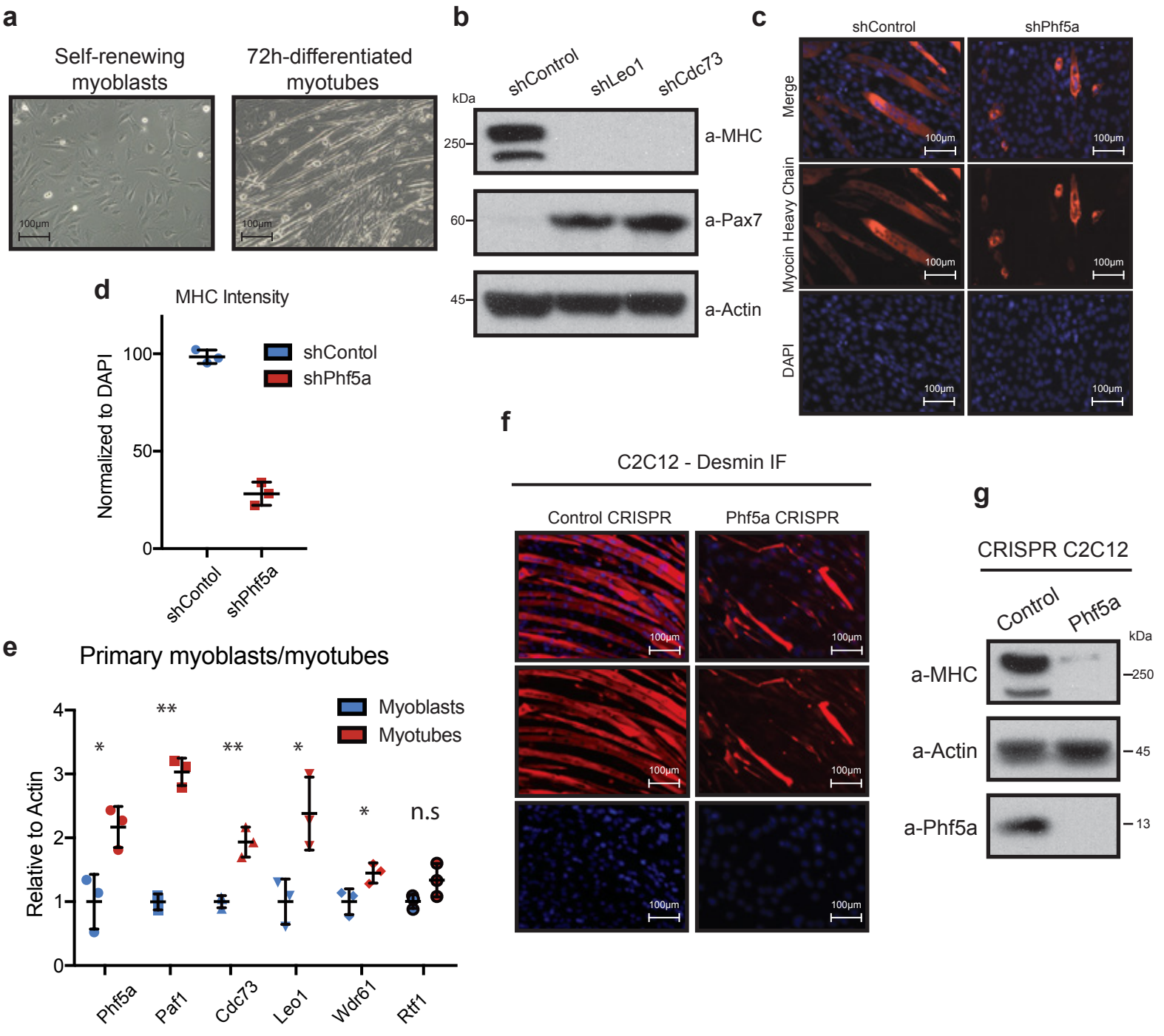
Supplementary Figure 6 - Strikoudis et al.



h

Leo1-bound genes Myoblasts (shControl)

Term	P-Value
cellular macromolecular complex assembly	1.30E-15
nucleosome assembly	1.30E-15
chromatin assembly	2.40E-15
protein-DNA complex assembly	3.20E-15
nucleosome organization	3.20E-15
chromatin assembly or disassembly	8.90E-15
DNA packaging	1.50E-14
cellular macromolecular complex subunit organization	5.00E-14
macromolecular complex assembly	2.90E-13
macromolecular complex subunit organization	4.00E-12
translation	9.40E-11
chromatin organization	4.60E-09
chromosome organization	1.30E-08
RNA splicing	1.30E-07
mRNA processing	1.10E-05
mRNA metabolic process	1.20E-05
RNA processing	1.10E-04
protein polymerization	1.50E-04
cell cycle	3.20E-04
mitotic cell cycle	3.60E-04

i

Leo1-bound genes Myotubes (shControl)

Term	P-Value
actin filament-based process	5.30E-16
actin cytoskeleton organization	5.00E-15
cytoskeleton organization	3.80E-11
muscle cell development	5.10E-10
striated muscle cell development	7.00E-10
muscle organ development	2.20E-09
muscle cell differentiation	2.20E-09
muscle tissue development	2.30E-08
striated muscle cell differentiation	3.00E-08
muscle system process	3.10E-08
in utero embryonic development	3.30E-08
protein catabolic process	5.50E-08
phosphate metabolic process	6.80E-08
phosphorus metabolic process	6.80E-08
heart development	9.60E-08
myofibril assembly	2.50E-07
modification-dependent macromolecule catabolic process	2.60E-07
modification-dependent protein catabolic process	2.60E-07
phosphorylation	3.10E-07
cellular protein catabolic process	2.60E-07

j

Leo1-bound genes Myotubes (shPhf5a)

Term	P-Value
neurological system process	1.50E-19
cognition	2.70E-16
G-protein coupled receptor protein signaling pathway	3.30E-16
sensory perception of chemical stimulus	1.70E-15
sensory perception	2.50E-15
sensory perception of smell	1.80E-14
cell surface receptor linked signal transduction	7.60E-14
cell adhesion	7.90E-07
biological adhesion	8.40E-07
synaptic transmission	1.70E-05
homophilic cell adhesion	1.10E-04
nerve-nerve synaptic transmission	1.20E-04
transmission of nerve impulse	2.00E-04
synaptic transmission, glutamatergic	2.70E-04
cell-cell adhesion	3.70E-04
cell-cell signaling	5.00E-04
startle response	5.10E-04
regulation of neurotransmitter levels	4.10E-03
central nervous system projection neuron axonogenesis	9.30E-03
ion transport	9.60E-03