**Title:** Supplementary Data 1.

**Description:** Drosophila RNAi screening identifies evolutionary conserved myokines that regulate

myofiber size.

**Title:** Supplementary Data 2.

 $\textbf{Description:} \ \textbf{Genes regulated in diaphragm muscles from mice with LLC cancers but not in}$ 

diaphragm muscles from mice with LLC cancers upon treatment with rFibcd1.

**Title:** Supplementary Data 3. **Description:** qRT-PCR oligos.

**Title:** Supplementary Data 4.

**Description:** Genes that are commonly upregulated and downregulated in the diaphragm, tibialis anterior, and soleus muscles of mice with cachectic versus non-cachectic melanomas.

anterior, and soleds muscles of finee with eacheetic versus non-eacheetic mer

**Title:** Supplementary Data 5.

**Description:** Genes differentially regulated in diaphragm muscles of mice with cachectic versus non cachectic melanomas, and treated with either rFibcd1 or mock.