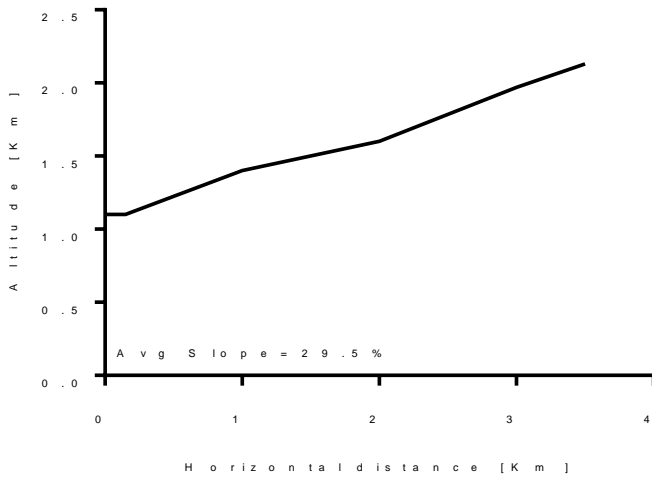
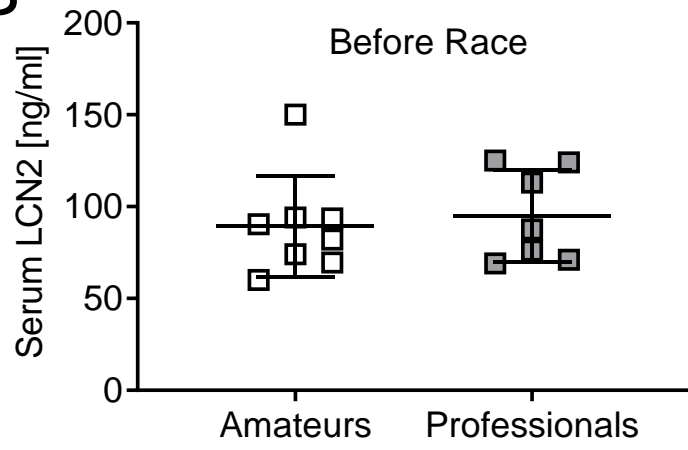
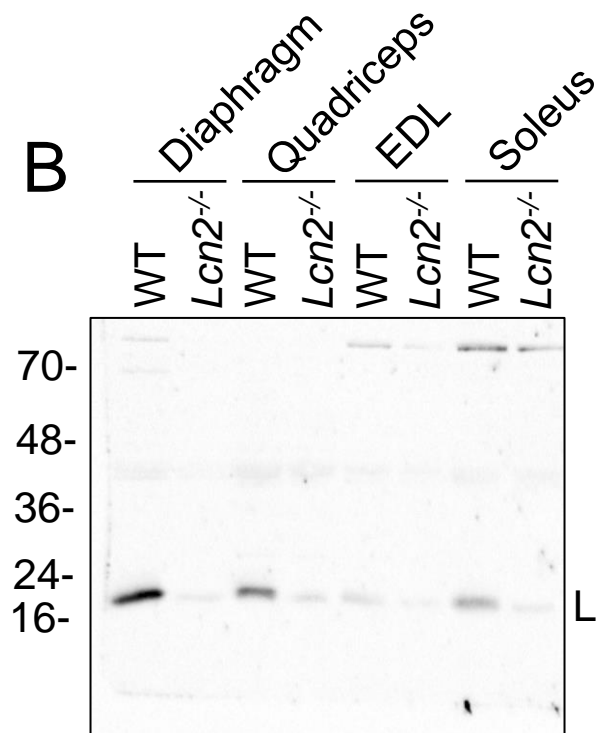
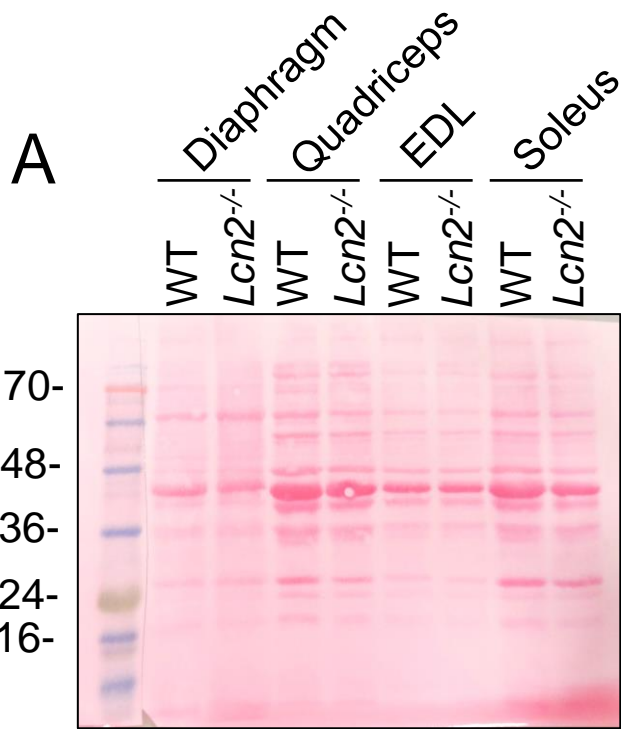
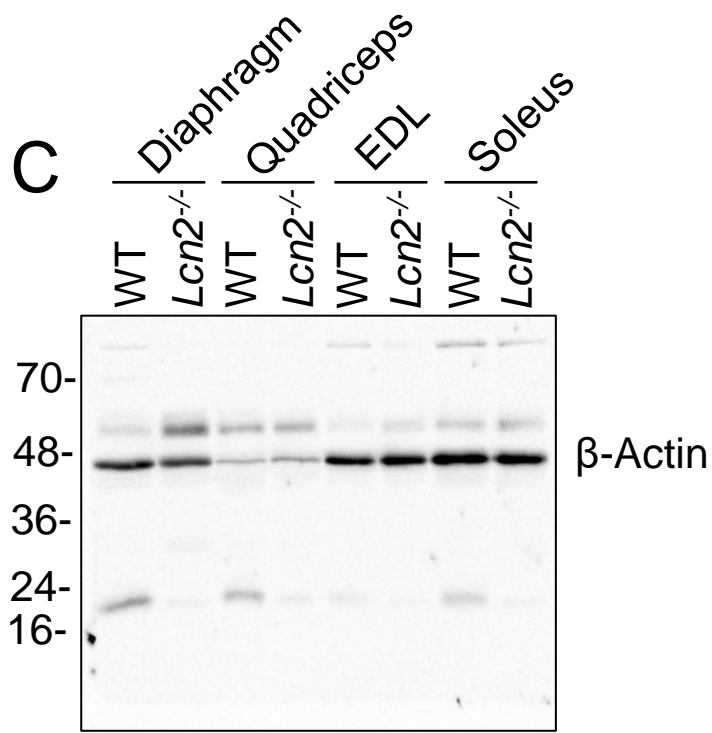


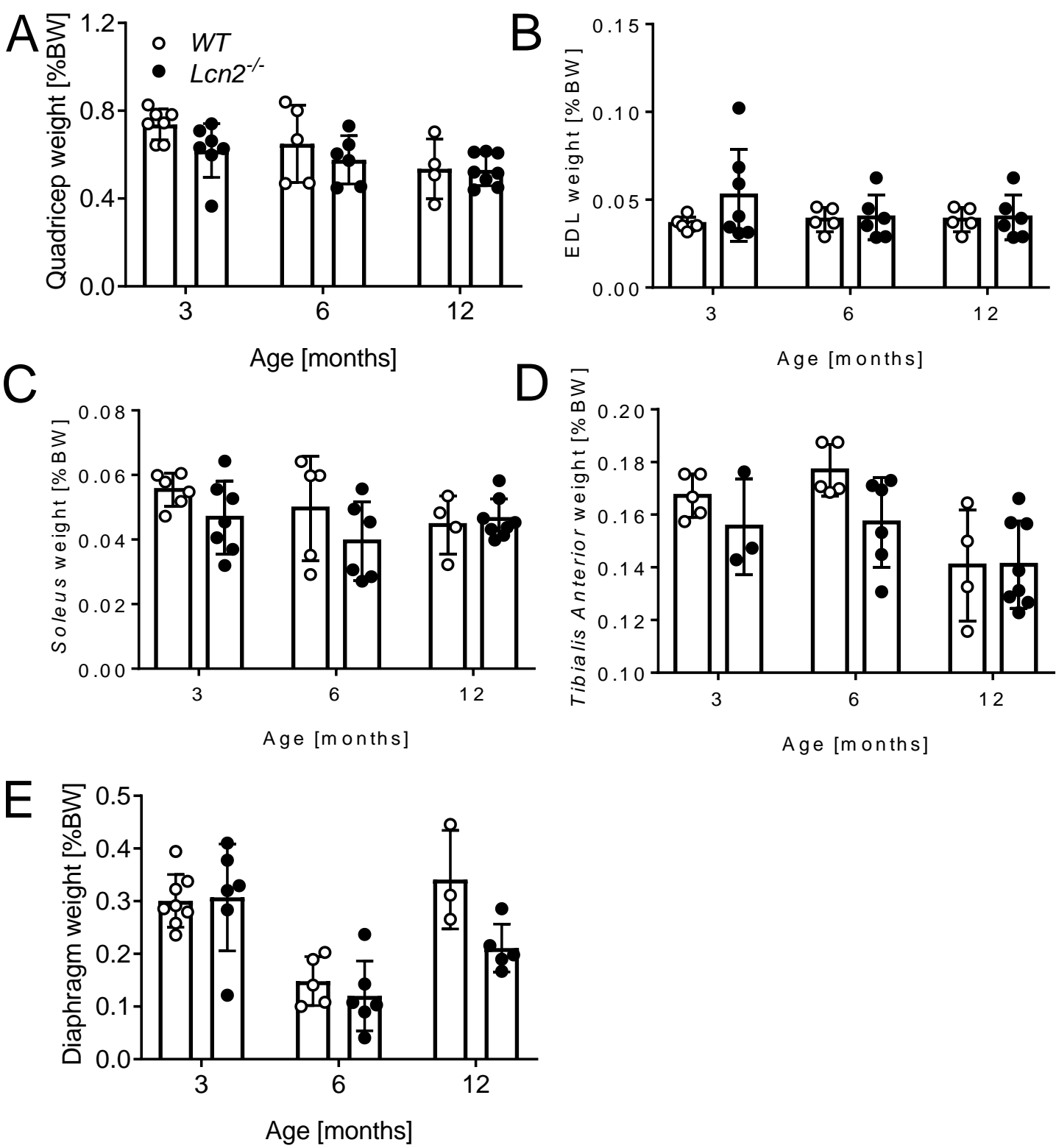
**A****B**



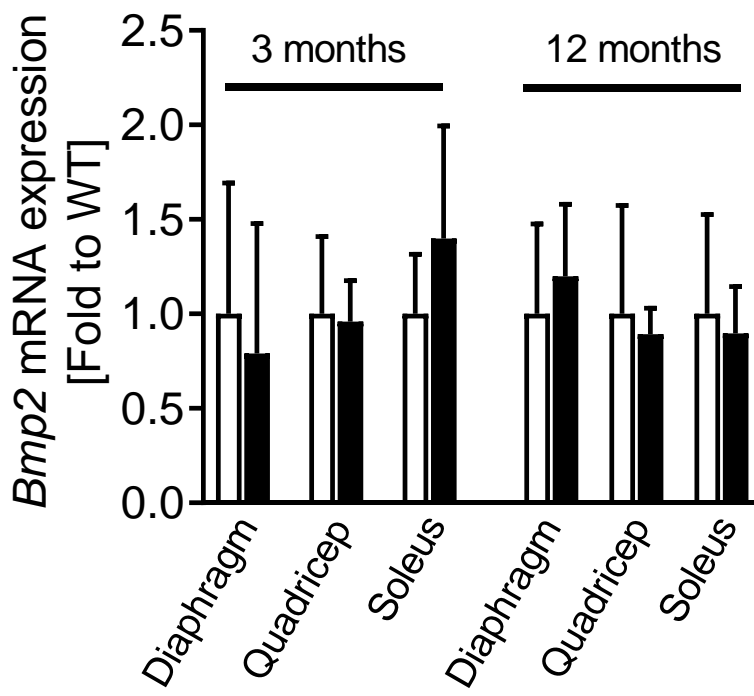
Lcn2 expected  
MW:22KDa



β-Actin expected  
MW:42KDa



□ WT  
■ *Lcn2*<sup>-/-</sup>



High-intensity exercise → ↑CK and Myoglobin release  
↑LCN2 release  
↑DKK1 release  
↑IL6 release

*Lcn2* genetic removal → Normal muscle function  
↓IL6 release  
↓Muscle fibre size

rLcn2 treatment → ↓%myotubes ↑%myoblasts  
↓*Myod* and *Myogenin*