Supplementary information

Inhibition of IL-11 signalling extends mammalian healthspan and lifespan

In the format provided by the authors and unedited

Supplementary Figure 1. Raw blots

Figure 1b and Extended Data Figure 1a



Figure 1c and Extended Data Figure 1b



Gastrocnemius, GAPDH

Figure 1e and Extended Data Figure 2a

50kDa	p-ERK	50kDa – 40kDa –		
40kDa		704Da =		ERK
50kDa —		50kDa –		LKB
	p-LKB	70kDa - 50kDa -		AMPK
70kDa —		260kDa —		mTOR
50kDa —	р-АМРК			
260kDa -		100kDa -	-	P70S6K
	p-mTOR			
100kDa —	p-P70S6K	35kDa + 25kDa +	-	S6RP
35kDa 25kDa	p-S6RP			
15kDa	p16			
25kDa — 15kDa —	p21			
35kDa —				

GAPDH

Figure 1j

35kDa - 25kDa -	Liver, IL11	
40kDa – 35kDa –	Liver, GAPDH	
35kDa – 25kDa –		
	Gastrocnemius, IL11	
40kDa 35kDa		
	Gastrocnemius, GAPDH	
35kDa – 25kDa –		
	Soleus, IL11	
40kDa 35kDa		
	Soleus, GAPDH	
35kDa - 25kDa -		
	Abdominal Fat, IL11	
40kDa 35kDa -		

Abdominal Fat, GAPDH

Figure 2j and Extended Data Figure 5k



Figure 3m and Extended Data Figure 7i



GAPDH

Figure 4e







Extended Data Figure 1b



Extended Data Figure 1d



Extended Data Figure 2b



Extended Data Figure 2c



Extended Data Figure 3a



Extended Data Figure 3b



Extended Data Figure 4a



Extended Data Figure 4d



Extended Data Figure 5I



Supplementary Figure 2. Immunoblots densitometry analysis.



Figure 1b (total protein blots in Extended Data Figure 1a)

Figure 1e (total protein blots in Extended Data Figure 2a)









Figure 2j (total protein blots in Extended Data Figure 5k)



Figure 3m (total protein blots in Extended Data Figure 7i)

0.0

0.0



0-

0

0-

Figure 4e



Figure 4f



Extended Data Fig 1b



Extended Data Fig 1c





Extended Data Fig 1d



Extended Data Fig 2b



Extended Data Fig 2c





Extended Data Fig 3a



Extended Data Fig 3b



Extended Data Fig 4a







Extended Data Figure 5I

