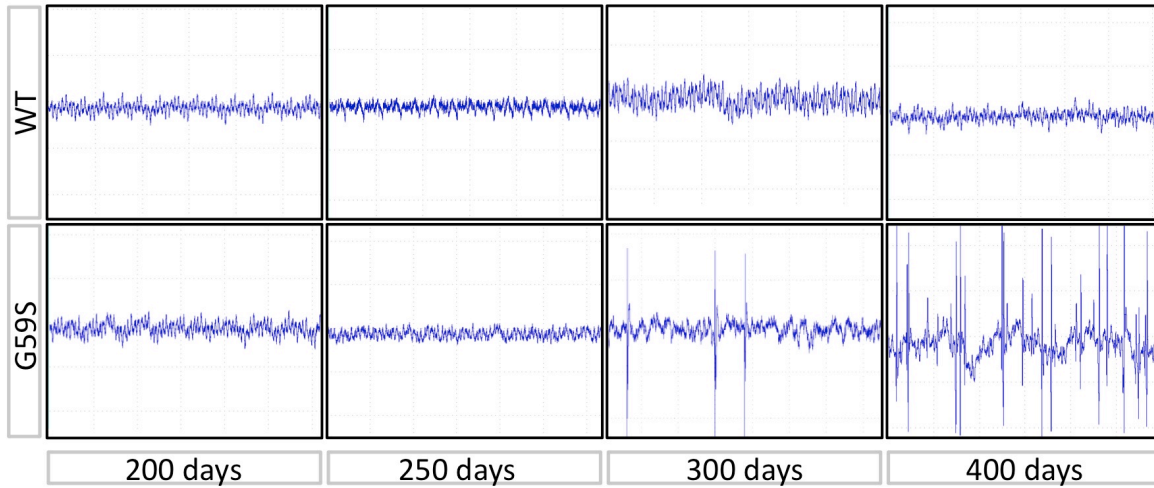


**Wiesner, Sinniger and collaborators**

**Supplemental material**

**Fig. S1:** EMG analysis in wild type and G59S-mice at the age of 200, 250, 300 and 400 days. Dynactin (G59S) mutant mice show evidences of denervation, demonstrated in EMG abnormalities at the age of 300 days to end stage.



**Table S1: compositions of diets used in this study**

	<b>CHOW</b>	<b>LPD</b>
protein (%)	20.8	5.1
fat (%)	4.2	10.0
fibres (%)	5.0	4.3
starch (%)	46.8	39.2
sugar (%)	10.8	13.0
Nutrient content (MJ/kg)	18.0	18.3

**Table S2: primer sequences for qPCR**

<b>Primer</b>	<b>Forward 5' - 3'</b>	<b>Reverse 5' - 3'</b>
LC3	CATGAGCGAGTTGGTCCAGA	TGACTCAGAAGCCGAAGGTT
p62	GAAGCTGCCCTATACCCACA	TGGGAGAGGGACTCAATCAG
FoxO3	GCTAAGCAGGCCTCATCTCA	TTCCGTCAGTTTGAGGGTCT
Beclin1	GCCTCTGAAACTGGACACGA	TAGCCTCTTCCTCCTGGGTC
Lamp 1	GCCCTGGAATTGCAGTTTGG	TGCTGAATGTGGGCACTAGG
Cathepsin B	AGGCTGGACGCAACTTCTAC	CCAAATGCCCAACAAGAGCC
Cathepsin D	CAACGTGCTTCCGGTCTTTG	CTCATTGCCACCTCCAAC
ATP6v1h	TTAGCTGTTGCTGCTCACGA	CCAACTGCTTCCACCAAGC
D1A	GAACCCAGAAGACAGGTGGA	GCTTAGCCCTCACGTTCTTG
Lamp2-A	GCAGTGCAGATGAAGACAAC	AGTATGATGGCGCTTGAGAC
Snat 2	TGAAAAGCCATTATGCCGACG	CCCACAATCGCATTGCTCAG
Actin	CCACCAGTTCGCCATGGAT	GGCTTTGCACATGCCGGAG
Pol2	GCTGGGAGACATAGCACCA	TTACTCCCCTGCATGGTCTC
HPRT	GGAGCGGTAGCACCTCCT	CTGGTTCATCATCGCTAATCAC