

Figure 2-source data 2

Phenotypic analysis of <i>Marf</i> and <i>Drp1</i> mutant alleles						
Alleles/ Experimental Assays	Mitochondria Morphology	MMP	ATP Levels	ROS Intensity	Bouton Quantification	20E Levels
Control	-	1±0.05	0.97±0.06	1±0.08	108±7.57	25.5±2.42
<i>Marf^B</i>	Fragmented	P=1.1±0.03 NP=0.6±0.06	0.57±0.03	2.7±0.23	194±9.06	6.61±0.22
<i>Drp1²</i>	Fused	1.2±0.06	0.63±0.09	1.78±0.14	99±8.28	28.3±1.85
<i>Drp1¹/Drp1²</i>	Fused	1.3±0.11	0.58±0.03	1.85±0.18	112±10.40	22.1±2.27
<i>Drp1¹²⁶¹/Drp1²</i>	Fused	1.2±0.01	0.57±0.05	1.94±0.22	104±6.05	24.6±1.92
<i>Drp1^{KG38015}/Drp1²</i>	Fused	1.3±0.11	0.54±0.02	2.1±0.09	103±5.46	23.8±1.97
<i>Marf^B;Drp1²</i>	Fragmented	P=1.1±0.08 NP=0.5±0.04	0.41±0.04	4.61±0.24	209±11.43	7.32±0.68

MMP=Mitochondria Membrane Potential, ROS=Reactive Oxygen Species, 20E= 20-hydroxyecdysone
P=Punctate, NP=Not Punctate, MMP, ATP levels and ROS intensity were normalized to controls and all
columns are representative of three independent experiments with SEM.