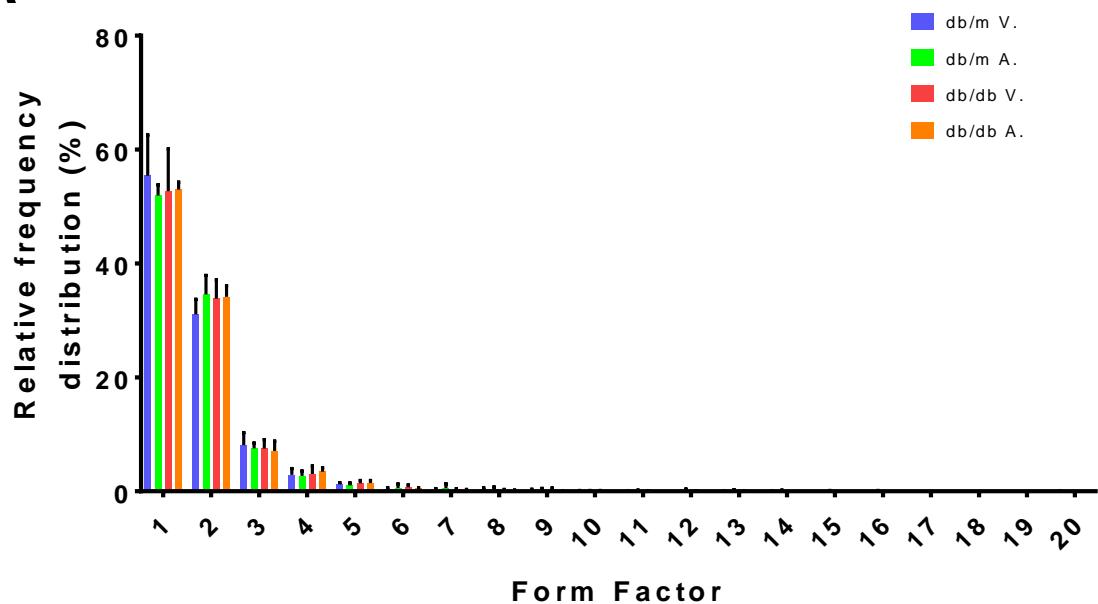
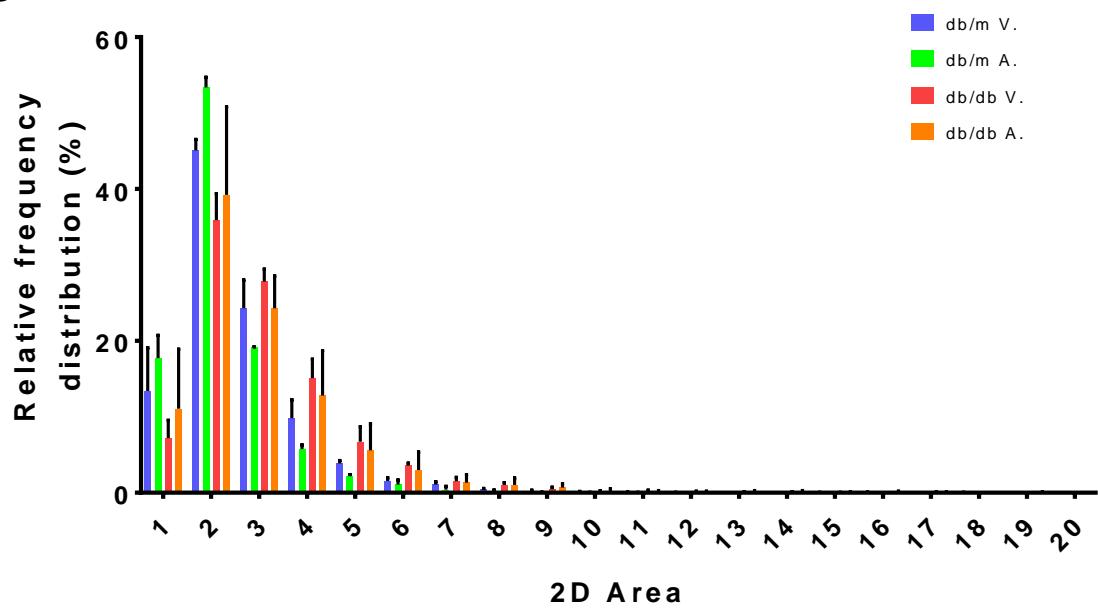


A**B**

Supplementary Figure 1. Frequency Distribution Data for analysis of Electron Microscopy 2D sections of PTEC mitochondria. (A) Shape descriptors of 'Form Factor'. (B) Frequency Distribution of % Area mitochondria in 2D cytosol volume. Frequency data was divided into 20 bins of equal size. Graphs show mean and SD of n=3 per group.

Supplementary Table 1. List of Primers sequences used

Gene (<i>Mus musculus</i>)	Forward 5' – 3'	Reverse 5' – 3'	Genebank accession
Ppif [‡] (Cyclophilin F, Cyclophilin D)	TGGCTCTCAGTTCTTATCTGC	ACATCCATGCCCTCTTGAC	NM_134084.1
Cyt c	CATCTTGGTTCAAGCCCAGA	CTGCCAGGCCAAATTGC	JF919281.1
ATP synthase, F1- α	TGTCCGCTTACATTCCAACAAA	CAGGGCGGATGCCCTTATAG	BC020417
Fibronectin	ACATGGCTTAGGCAGGACAA	ACATTCCGGCAGGTATGGTCTTG	M10905
TGF- β	GCAGTGGCTGAACCAAGGA	GCAGTGAGCGCTGAATCGA	NM_011577
F4/80	GGTACAGTCATCTCCCTGGTATGTCT	GGTTCTGAACAGCACGACACA	X93328
Casp 3	GACGGTCCCTCTGGTCTTG	GTGGCTGGCTGCATTGC	NM_009810
Casp 8	CAACTTCCCTAGACTGCAACCG	TCCAACTCGCTCACTTCTTCT	NM_009812.2
Casp 9	TCCTGGTACATCGAGACCTG	AAGTCCCTTCGCAGAACAG	NM_015733.5
Casp 12	AGACAGAGTTAACGAGTTGCT	TTCACCCCCACAGATTCCCTTC	NM_009808.4
Col I	GAUTGGAAAGAGCGGGAGAGTACTG	CCTTGATGGCGTCCAGGTT	NM_007742
α -SMA	GACGCTGAAGTATCCGATAGAAC	GGCCACACGAAGCTCGTTAT	NM_007392
CTGF	GCTGCCTACCGACTGGAAGA	CTTAGAACAGGCGCTCCACTCT	BC006783
Mief1	GCTTCGCTACACTGATCGAGACT	CTCAAGCTCTGATTTCCCTGAAT	NM_178719
Pink1	AGAAAACCAAGCGCGTGTCT	GGAAAGCCCTGCCAGCAT	NM_026880
Opa1 [□]	ATACTGGGATCTGCTGTTGG	AAGTCAGGCACATCCACTT	NM_001199177.1
Ucp-2	CCGTAATGCCATTGTCAACTGT	GGCTTCAGGAGAGTATCTTGATG	BC012697

Notes: All genes were generated against sequences for *Mus musculus*

[‡]Ppif primer sequence from Lam, CK et al PNAS 2015