

Supplementary Data for:

**The role of PGC-1 α during acute exercise-induced autophagy
and mitophagy in skeletal muscle.**

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Hood

Table S1 mRNA array data

| Gene Symbol | p value | Fold change | Gene Symbol | p value | Fold change |
|--------------------|----------------|--------------------|--------------------|----------------|--------------------|
| Akt1 | 0.76 | -2.67 | Eif2ak3 | 0.75 | -2.08 |
| Ambra1 | 0.61 | -1.83 | Eif4g1 | 0.67 | -2.11 |
| App | 0.73 | -2.49 | Esr1 | 0.58 | -1.96 |
| Atg10 | 0.70 | -2.39 | Fadd | 0.75 | -2.67 |
| Atg12 | 0.76 | -1.71 | Fas | 0.58 | -1.61 |
| Atg16l1 | 0.63 | -2.16 | Gaa | 0.65 | -2.26 |
| Atg16l2 | 0.64 | -2.12 | Gabarap | 0.67 | -2.02 |
| Atg3 | 0.59 | -1.43 | Gabarap11 | 0.61 | -1.78 |
| Atg4a | 0.60 | -1.47 | Gabarap12 | 0.74 | -2.01 |
| Atg4b | 0.65 | -1.99 | Hdac1 | 0.70 | -2.4 |
| Atg4c | 0.60 | -1.67 | Hdac6 | 0.62 | -2.1 |
| Atg4d | 0.68 | -2.61 | Hgs | 0.61 | -1.95 |
| Atg5 | 0.62 | -1.87 | Hsp90aa1 | 0.58 | -1.39 |
| Atg7 | 0.67 | -2.13 | Hspa8 | 0.59 | -1.64 |
| Atg9a | 0.65 | -1.96 | Htt | 0.70 | -2.29 |
| Atg9b | 0.54 | -2.82 | Ifng | 0.29 | -1.43 |
| Bad | 0.76 | -2.25 | Igf1 | 0.77 | -2.45 |
| Bak1 | 0.62 | -2 | Ins2 | 0.52 | -1.1 |
| Bax | 0.62 | -2.15 | Irgm1 | 0.96 | -2.9 |
| Bcl2 | 0.51 | -1.39 | Lamp1 | 0.62 | -1.87 |
| Bcl2l1 | 0.48 | -1.2 | Map1lc3a | 0.67 | -2.36 |
| Becn1 | 0.60 | -1.73 | Map1lc3b | 0.76 | -2.27 |
| Bid | 0.68 | -2.16 | Mapk14 | 0.64 | -2.02 |
| Bnip3 | 0.68 | -1.93 | Mapk8 | 0.63 | -1.79 |
| Casp3 | 0.81 | -3.15 | Mtor | 0.03 | -22.44 |
| Casp8 | 0.75 | -2.35 | Nfkb1 | 0.05 | -20.36 |
| Cdkn1b | 0.66 | -2.19 | Npc1 | 0.05 | -22.12 |
| Cdkn2a | 0.44 | 1.55 | Pik3c3 | 0.73 | -1.89 |
| Cln3 | 0.65 | -2.27 | Pik3cg | 0.05 | -10.45 |
| Ctsb | 0.74 | -2.6 | Pik3r4 | 0.59 | -3.07 |
| Ctsd | 0.68 | -2.31 | Prkaa1 | 0.60 | -1.76 |
| Ctss | 0.83 | -2.73 | Pten | 0.20 | -2.94 |
| Cxcr4 | 0.97 | -3.15 | Rab24 | 0.66 | -2.06 |
| Dapk1 | 0.70 | -2.32 | Rb1 | 0.97 | -2.23 |
| Dram1 | 0.68 | -2 | Rgs19 | 0.51 | -3.22 |
| Dram2 | 0.65 | -1.56 | Rps6kb1 | 0.61 | -1.59 |

Table S1
Continued

| | | |
|---------|------|--------|
| Snca | 0.72 | 1.13 |
| Sqstm1 | 0.67 | -1.84 |
| Tgfb1 | 0.68 | -2.55 |
| Tgm2 | 0.57 | -1.5 |
| Tmem74 | 0.29 | -1.04 |
| Tnf | 0.00 | -6.3 |
| Tnfsf10 | 0.04 | -18.34 |
| Trp53 | 0.74 | -1.94 |
| Ulk1 | 0.47 | -3.06 |
| Ulk2 | 0.28 | -2.59 |
| Uvrag | 0.54 | -1.52 |
| Wipi1 | 0.74 | -2.25 |