

## **Supplementary Information**

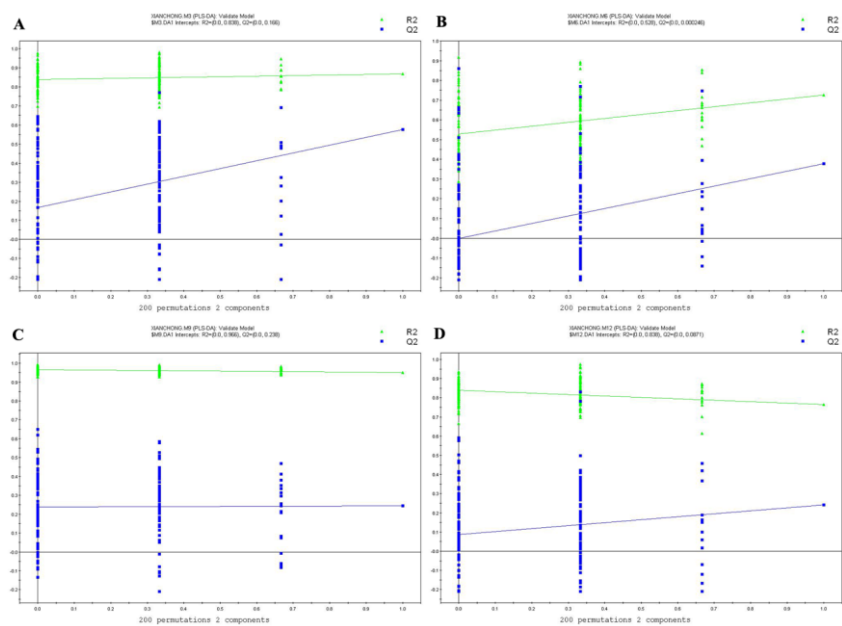
### **The Energy Metabolism in *Caenorhabditis elegans* under The Extremely Low-Frequency Electromagnetic Field Exposure**

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**Figure S1.** Permutation test results for PLS-DA model. (A) For 0.5 mT, (B) For 1 mT, (C) For 2 mT, and (D) For 3 mT. Two hundred Permutations were Performed, and the resulting  $R^2$  and  $Q^2$  value were Plotted.

**Table S1.** The primers used are listed as follows.

<b>Genes</b>	<b>Forward primer (5'- 3')</b>	<b>Reverse primer (5'- 3')</b>
actin-1	GCTGGACGTGATCTTACTGATTACC	GTAGCAGAGCTTCTCCTTGATGTC
C50D2.7	GTTCTTGTATGCCGTTTA	CTACCAATGAGTGGGTCT
gpi-1	GCACTTTGTCGCACTTTC	CACCAACCCAATCCCAGA
pfk-1	GCAGCCGTCCGCTCTTAT	CTCCGTTCATTGCCCAGT
aldo-1	TACATCTCGGGAGTCATCAT	ACGACACCCTTGTCAACC
aldo-2	GAACTCTTCTCAAGCCAAAC	TTACGGTAGCCAATCCAA
tpi-1	TGCTACAAAGTGCCAAAGG	CATGACGACGTTCCGAGT
fbp-1	GCCTGGAAAGGAAATGGT	CGATGGAAGGGTCAAGAGT
gpd-1	CACCAGATGTTTCCGTCGTT	GGCGAGGATTCCCTTCAT
gpd-4	ATCTTCAAGGAGGAGCCA	GCACGATGCGTTAGAAATA
pgk-1	AGTTCAAATCCATCTCCCAGTG	GGCCCAACATCAAGTCCC
ipgm-1	TGGCAGTCAAGAACAACA	CACCTCCGTCAGAAACA
enol-1	TTGCCACTGGACAAATCA	CAGCGTAAACAGCATCAG
pyk-1	TTGGGAAGCAGAAAGGGAGTC	TTCGGATGAATGAAGCAAAGAT
pyk-2	ACTATCGGACCAGCGTGTA	GCATGTGCCTCGTGAGTT
pdha-1a	ATGAAGCGTTGAAGATTG	ATGGCTGGACGATAGTTT
pdha-1b	GAAGAAGCACGGTGATAAG	TGAACTCGCAAATTGGAC
dlat-1	GAAGTGGACCAGGAGGAC	CCAGATACGGCTTGAGTT
pck-1	AGAAGAGTCGCTGGTGGA	ACTTGGGTGTCGAGGAAG
pyc-1	GAACGGTCCAACACTACTCCT	TCCTGGTCTACTGCGAAC

**Table S2.** Results of lifespan.

<b>Groups</b>	<b>M (day)</b>	<b>m (day)</b>	<b>n</b>	<b>SD</b>
Control	30	20.94	182	2.44
12 h	30	20.34	151	1.73
24 h	30	21.32	164	1.09
36 h	30	20.78	139	2.33
48 h	30	21.87	178	2.8
WL	30	20.9	174	2.62

M: maximum life; m: mean life; n: number; SD: standard deviation of mean life; WL: whole life