

## Melatonin promotes the proliferation of GC-1 spg cells by inducing metallothionein-2 expression through ERK1/2 signaling pathway activation

### SUPPLEMENTARY MATERIALS

**Supplementary Table 1: Differentially expressed mRNAs between control (C) and melatonin-treated (M) group in GC-1 spg cells, showing as the fold changes of M/C expression values**

Genes (Upregulation)	Fold change	Genes (Downregulation)	Fold change
<i>Ccne1</i>	1.3	<i>Bbc3</i>	0.8
<i>Erc1</i>	2.2	<i>Prrg2</i>	0.3
<i>Them4</i>	2.1	<i>Lamc2</i>	0.5
<i>Coq3</i>	2.2	<i>Psd4</i>	0.2
<i>Mettl10</i>	2.3	<i>Tceanc2</i>	0.0
<i>Mt2</i>	2.0	<i>Ptprf</i>	0.5
<i>Traf3ip1</i>	2.3	<i>Dbn1</i>	0.5
<i>Zfp580</i>	2.2	<i>Mtg1</i>	0.4
<i>Ttc26</i>	2.2	<i>Ppp1r3f</i>	0.5
<i>Gm10184</i>	2.1	<i>Ccr4</i>	0.5
<i>Gm26870</i>	2.9	<i>Olfir368</i>	0.5
		<i>Klhdc1</i>	0.4
		<i>Ccdc171</i>	0.5
		<i>Kcnn4</i>	0.8
		<i>Gm15298</i>	0.5
		<i>4933407K13Rik</i>	0.3
		<i>RP23-246J18.5</i>	0.4