

## 1 Supplementary Material

2 **Table S1.** Name, acronym, and function of the genes analyzed in the present work.

Acronym	Name	Function
<i>Cyt-c</i>	<i>Cytochrome c</i>	<i>Cytochrome c</i> is an heme protein that is involved in the electron transport chain and plays a role in the regulation of apoptosis.
<i>Atfc</i>	<i>Activating transcription factor-3</i>	<i>Activating transcription factor-3</i> is a transcription factor that regulates gene expression and is involved in the regulation of cell growth and differentiation.
<i>CatB</i>	<i>Cathepsin B</i>	<i>Cathepsin B</i> is a lysosomal protease involved in the degradation of cellular proteins.
<i>HtrA2</i>	<i>High-temperature requirement A2</i>	<i>High-temperature requirement A2</i> is a serine protease that plays a role in the regulation of cell apoptosis and is also involved in the regulation of the unfolded protein response.
<i>Dronc</i>	<i>Death receptor-associated nemesis-like</i>	<i>Death receptor-associated nemesis-like</i> is an activator of apoptosis and plays a role in the regulation of the cell cycle.
<i>Tspo</i>	<i>Translocator protein</i>	<i>Translocator protein</i> is a mitochondrial protein involved in the regulation of cellular stress response and the modulation of neurosteroid synthesis.
<i>Pclo</i>	<i>Parc</i>	<i>Parc</i> is a cytosolic protein involved in the regulation of autophagy and the maintenance of cellular homeostasis.
<i>Ac</i>	<i>Adenylate Cyclase</i>	<i>Adenylate Cyclase</i> is an enzyme involved in the regulation of intracellular signaling, particularly in the regulation of cAMP signaling.
<i>M3R</i>	<i>Muscarinic acetylcholine receptor M3</i>	<i>Muscarinic acetylcholine receptor M3</i> is a G protein-coupled receptor involved in the regulation of neurotransmitter signaling, particularly acetylcholine signaling.
<i>Cckar</i>	<i>Cholecystokinin A Receptor</i>	The CCKAR gene encodes a protein that acts as a receptor for cholecystokinin. The role of <i>cholecystokinin</i> signalling in regulating a wide range of physiological processes, including digestion, behaviour, and reproduction.
<i>Vamp3</i>	<i>Vesicle-associated membrane protein 3</i>	<i>Vesicle-associated membrane protein 3</i> is a SNARE protein involved in the regulation of vesicle trafficking and the fusion of vesicles with the plasma membrane.
<i>Plc</i>	<i>Phospholipase C</i>	<i>Phospholipase C</i> is an enzyme involved in the regulation of intracellular signaling and the generation of second messengers.
<i>Snp25</i>	<i>Synaptosomal-associated protein 25</i>	<i>Synaptosomal-associated protein 25</i> is a protein involved in the regulation of vesicle trafficking and the formation of the presynaptic active zone.
<i>Gshi</i>	<i>Gamma Glutamylcysteine Synthetase</i>	<i>Gamma Glutamylcysteine Synthetase</i> is involved in the metabolism and the maintenance of cellular redox homeostasis.
<i>Ste3</i>	<i>Sterile alpha-motif domain-containing protein 3</i>	<i>Sterile alpha-motif domain-containing protein 3</i> is a regulatory protein involved in the regulation of gene expression and the control of cell differentiation.
<i>Gpx4</i>	<i>Glutathione peroxidase 4</i>	<i>Glutathione peroxidase 4</i> is an enzyme involved in the elimination of reactive oxygen species and the maintenance of cellular redox homeostasis.
<i>Sat</i>	<i>Spermidine/spermine N1-acetyltransferase</i>	<i>Spermidine/spermine N1-acetyltransferase</i> is an enzyme involved in the regulation of polyamine metabolism and the maintenance of cellular homeostasis.

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