Entry ID: 474
Description: 3-Methyladenine increases activity of motor neuron degeneration
Comment: The autophagy inhibitor 3-Ma (3-Methyladenine) increased O93A motor neuron (MN) death by 58% compared with NT 093A MN and by 53% compared with lithium-treated 093A MN. 3-Ma administration 2h before lithium treatment; the latter could no longer counteract the effects of 3-Ma confirming that lithium neuroprotection occurs, at least partially, through an autophagic route.
Disease: Amyotrophic lateral sclerosis
Organism: Mice, mouse
Tissue/Cell line: Spinal cord;

Additional nodes: HSPA5, Thapsigargin, Sodium valproate, HSP90B1, CALR, cell death, 3-Methyladenine, Lithium, astrocyte activation, interneuron, Kainic acid, mitochondrion, vacuole organization, SOD1 protein aggregates.