Supplementary Material

**Resveratrol prevents cellular and behavioral sensory alterations in the animal model of autism induced by valproic acid**

Mellanie Fontes-Dutra1,2,3\*, Júlio Santos-Terra1,2,3, Iohanna Deckmann1,2,3, Gustavo Brum Schwingel1,2,3, Gustavo Della-Flora Nunes1,3,4, Mauro Mozael Hirsch1,2,3, Guilherme Bauer-Negrini1,2,3, Victorio Bambini-Júnior1,3,6, Rudimar Riesgo1,3,7, Cecília Hedin-Pereira3,5,8, Carmem Gottfried1,2,3\*

1 Translational Research Group in Autism Spectrum Disorders-GETTEA, Universidade Federal do Rio Grande do Sul -UFRGS, 90035-003 Porto Alegre, RS, Brazil.

2 Department of Biochemistry, Universidade Federal do Rio Grande do Sul -UFRGS, 90035-003 Porto Alegre, RS, Brazil.

3 National Institute of Science and Technology on Neuroimmunomodulation -

INCT-NIM, Oswaldo Cruz Institute, Oswaldo Cruz Foundation, Rio de Janeiro,

Brazil.

4 Department of Biochemistry, University of Buffalo, The State University of New York, NY, USA

5 Institute of Biophysics Carlos Chagas Filho, Rio de Janeiro, RJ, Brazil

6 School of Pharmacology and Biomedical Sciences, University of Central Lancashire, PR1 2HE, Preston, UK

7 Child Neurology Unit, Clinical Hospital of Porto Alegre, Federal University of Rio

Grande do Sul, Porto Alegre, Brazil.

8 VPPCB – Oswaldo Cruz Foundation, Fiocruz, Rio de Janeiro, RJ, Brazil

\*Corresponding authors:

Carmem Gottfried

carmem.gottfried@gmail.com

Mellanie Fontes-Dutra

dutra.mellanie@gmail.com

|  |
| --- |
| Table 3S: Western blotting antibodies information |
| Reagent | Medium | Dilution | Supplier | Time |
| Primary Antibodies |
| Anti-PSD95 | 5% BSA-TTBS 0,1% buffer | 1:500 | abcam ab18258 | Overnight at 4ºC |
| Anti-Gephyrin | 5% BSA-TTBS 0,1% buffer | 1:500 | abcam ab32206 | Overnight at 4ºC |
| Anti-Synaptophysin | 5% milk-TTBS 0,1% buffer | 1:1000 | SIGMA Aldrich s5768 | Overnight at 4ºC |
| β-actin | TTBS 0,1% buffer | 1:2000 | Cell Signaling (D6A8) | Overnight at 4ºC |
| Secondary Antibodies |
| Donkey anti-mouse IgG-HRP | 5% milk-TTBS 0,1% buffer | 1:1000 | Santa Cruz Biotechnology, INC., sc2314 | Room temperature for 1h |
| Goat anti-rabbit IgG-HRP | TTBS 0,1% buffer | 1:2000 | Santa Cruz Biotechnology, INC., sc2004 | Room temperature for 1h |