

SUPPLEMENTARY MATERIAL

to the article by N.M. Levanova, E.G. Vergunov, A.N. Savostyanov, I.V. Yatsyk, V.A. Ivanisenko
"In silico reconstruction of the gene network
for cytokine regulation of ASD-associated genes and proteins"

Table S1. Templates used in the Pathway Wizard software

Structure	Template 1	Template 2	Template 3	Template 4	Template 5
First Pathway Element	Proteins – Cytokines	Proteins – Cytokines	Proteins – Cytokine Receptors	Proteins – Cytokines	Proteins – Cytokine Receptors
Interaction Type	Activity Regulation, Degradation Regulation, Transport Regulation	Expression Regulation	Activity Regulation, Degradation Regulation, Transport Regulation	Expression Regulation	Activity Regulation, Degradation Regulation, Transport Regulation
Second Pathway Element	Human Genes	Human Genes	Human Proteins	Genes associated with ASD	Proteins associated with ASD
Interaction Type	Expression	Expression	Activity Regulation, Degradation Regulation, Transport Regulation		
Third Pathway Element	Human Proteins	Human Proteins	Proteins associated with ASD		
Interaction Type	Activity Regulation, Degradation Regulation, Transport Regulation	Expression Regulation			
Fourth Pathway Element	Proteins associated with ASD	Genes associated with ASD			