**Table S3. Correlations of variables used in the linear discriminant analysis to the discriminant functions at the age of 8-10 years**, based on levels of 19 amino acids determined in fecal samples of autistic children, their siblings and children from the general population.

| Metabolite | F1 | F2 |
|---|---|---|
| Aspartate | -0,283 | 0,177 |
| Glutamate | -0,251 | 0,470 |
| Asparagine | -0,287 | -0,017 |
| Serine | -0,194 | 0,156 |
| Glutamine | -0,413 | 0,133 |
| Histidine | -0,311 | 0,332 |
| Glycine | -0,448 | 0,295 |
| Threonine | -0,268 | 0,207 |
| Arginine | -0,113 | -0,042 |
| Alanine | -0,624 | 0,223 |
| Tyrosine | -0,346 | 0,256 |
| Valine | -0,412 | 0,254 |
| Methionine | -0,385 | 0,227 |
| Tryptophan | -0,377 | 0,206 |
| Isoleucine | -0,385 | 0,231 |
| Leucine | -0,393 | 0,218 |
| Phenylalanine | -0,371 | 0,263 |
| Ornithine | -0,218 | 0,239 |
| Lysine | -0,388 | 0,199 |