| **Glutamate Metabolism** | |
| --- | --- |
| **Metabolite** | **Interaction P-Value** |
| glutamine | 0.023 |
| carboxyethyl-GABA | 0.061 |
| alpha-ketoglutaramate\* | 0.072 |
| N-methyl-GABA | 0.076 |
| N-acetylglutamine | 0.091 |
| N-acetylglutamate | 0.091 |
| N-acetyl-aspartyl-glutamate (NAAG) | 0.093 |
| glutamate | 0.233 |
| 4-hydroxyglutamate | 0.248 |
| S-1-pyrroline-5-carboxylate | 0.356 |