|  |  |  |  |
| --- | --- | --- | --- |
| **Metabolites** | **VIP value** | ***P* value** | **Fold Change** |
| Glutaric acid | 2.22  | 0.0001  | 0.56  |
| Biphenyl | 2.28  | 0.0002  | 1.79  |
| Azelaic acid | 2.24  | 0.0003  | 0.55  |
| Glutamic acid | 2.24  | 0.0003  | 0.74  |
| Lactitol | 2.30  | 0.0004  | 0.45  |
| Sophorose | 2.07  | 0.0004  | 1.36  |
| Glucose-6-phosphate | 2.18  | 0.0005  | 0.45  |
| 6-hydroxy caproic acid dimer | 2.18  | 0.0007  | 0.58  |
| Quinolinic acid | 2.10  | 0.0009  | 1.66  |
| Carbazole | 2.13  | 0.0009  | 2.01  |
| Aspartic acid | 2.14  | 0.0010  | 0.77  |
| Adipic acid | 2.15  | 0.0011  | 0.72  |
| O-phosphorylethanolamine | 2.15  | 0.0018  | 1.60  |
| 1,5-anhydroglucitol | 1.91  | 0.0021  | 1.34  |
| 3-indoleacetonitrile | 2.03  | 0.0024  | 0.00  |
| Cyclohexylsulfamic acid | 2.03  | 0.0026  | 0.15  |
| 1-hexadecanol | 2.00  | 0.0033  | 1.60  |
| Menthone | 1.93  | 0.0038  | 1.51  |
| Erythrose | 1.93  | 0.0065  | 1.31  |
| Taurine | 1.99  | 0.0073  | 1.29  |
| Glucosaminic acid | 1.84  | 0.0118  | 0.33  |
| 2-hydroxypyridine | 1.79  | 0.0121  | 1.27  |
| Cytosine | 1.70  | 0.0144  | 1.48  |
| Alpha-Tocopherol | 1.80  | 0.0154  | 1.49  |
| 2,3-dihydroxypyridine | 1.78  | 0.0157  | 1.40  |
| M-cresol | 1.71  | 0.0180  | 1.35  |
| Oleic acid | 1.73  | 0.0184  | 0.70  |
| Creatine degr | 1.71  | 0.0200  | 1.28  |
| Adenine | 1.77  | 0.0200  | 1.61  |
| Mevalonic acid lactone | 1.64  | 0.0217  | 1.24  |
| Nicotinoylglycine | 1.66  | 0.0218  | 1.22  |
| 4-Hydroxymethyl-3-methoxyphenoxyacetic acid | 1.69  | 0.0235  | 1.19  |
| Diglycerol | 1.63  | 0.0269  | 0.45  |
| 1-hydroxyanthraquinone | 1.56  | 0.0271  | 1.26  |
| Prostaglandin E2 | 1.57  | 0.0273  | 1.27  |
| 4-methylumbelliferone | 1.57  | 0.0332  | 1.27  |
| 1-methylhydantoin | 1.50  | 0.0373  | 1.23  |
| Carbobenzyloxy-L-leucine deg | 1.50  | 0.0380  | 1.34  |
| Lactic acid | 1.39  | 0.0400  | 1.28  |