**Table S5 The difference in metabolites between the ZJ group and JS group.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | VIP | p\_value | FDR | Type |
| D-galactose | 1.27  | 0.00  | 0.01  | down |
| Palatinose | 1.27  | 0.00  | 0.01  | up |
| D-(+)-trehalose | 1.27  | 0.00  | 0.01  | up |
| Myo-inositol | 1.27  | 0.00  | 0.01  | up |
| Decanoic acid | 1.27  | 0.00  | 0.01  | down |
| Butanedioic acid | 1.27  | 0.00  | 0.00  | down |
| D-ribose | 1.26  | 0.00  | 0.04  | down |
| β-gentiobiose | 1.26  | 0.00  | 0.04  | up |
| Lactic acid | 1.26  | 0.00  | 0.01  | insig |
| Methyl galactoside | 1.26  | 0.01  | 0.05  | up |
| Propanedioic acid | 1.25  | 0.01  | 0.05  | down |
| 1,3-dioxolane-2-methanol | 1.25  | 0.01  | 0.05  | up |
| Pyroglutamic acid | 1.25  | 0.00  | 0.04  | down |
| Tetrasiloxane | 1.25  | 0.00  | 0.03  | down |
| Malic acid | 1.24  | 0.00  | 0.02  | down |
| Decane | 1.24  | 0.01  | 0.06  | down |
| Sulfurous acid | 1.24  | 0.01  | 0.06  | up |
| D-(+)-talofuranose | 1.24  | 0.01  | 0.06  | up |
| 2-pyrrolidinone | 1.24  | 0.01  | 0.07  | up |
| Octanoic acid | 1.23  | 0.01  | 0.07  | down |
| 1,2,4-butanetriol | 1.23  | 0.01  | 0.07  | down |
| 3-hydroxy-2,3-didehydrosebacic acid | 1.23  | 0.02  | 0.08  | down |
| Amphetamine | 1.23  | 0.02  | 0.08  | up |
| Pentasiloxane | 1.21  | 0.02  | 0.09  | insig |
| Heptacosane | 1.20  | 0.02  | 0.09  | up |
| L-proline | 1.19  | 0.03  | 0.11  | up |
| 9-octadecenoic acid | 1.19  | 0.03  | 0.11  | down |
| Cholesterol | 1.18  | 0.04  | 0.12  | down |
| D-arabinose | 1.17  | 0.04  | 0.12  | up |
| Hexanoic acid | 1.16  | 0.05  | 0.14  | up |
| Trisiloxane | 1.16  | 0.04  | 0.13  | down |
| 5-dodecenoic acid | 1.16  | 0.05  | 0.14  | down |
| Acetic acid | 1.15  | 0.05  | 0.14  | down |
| Mandelic acid | 1.11  | 0.03  | 0.12  | down |
| L-serine | 1.10  | 0.03  | 0.11  | up |