|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplementary Table 4. The differential flux of the intersecting reactions after Min-Max normalization.** | | | | | | | |
| **reaction** | **iMAT\_flux** | **nor\_iMAT\_flux** | **E-Flux\_flux** | **nor\_E-Flux\_flux** | **HPCOF\_flux** | **nor\_HPCOF\_flux** | **nor\_average** |
| ARGDr | 476.522 | 1.000 | 0.007220 | 1.000 | 11.074 | 0.942 | 0.981 |
| CBMKr | 476.522 | 1.000 | 0.007220 | 1.000 | 12.439 | 1.000 | 1.000 |
| OCBT\_2 | 476.522 | 1.000 | 0.007220 | 1.000 | 10.953 | 0.937 | 0.979 |
| ACLS | 10.062 | 0.613 | 0.005310 | 0.909 | 9.267 | 0.866 | 0.796 |
| VALTA | 10.159 | 0.613 | 0.002800 | 0.789 | 0.585 | 0.499 | 0.633 |
| G3PD1ir | 21.026 | 0.622 | 0.000163 | 0.663 | 2.556 | 0.582 | 0.622 |
| NDPK1 | 2.543 | 0.607 | 0.000130 | 0.662 | 2.151 | 0.565 | 0.611 |
| HXPRT | 2.257 | 0.606 | 0.000053 | 0.658 | 0.332 | 0.488 | 0.584 |
| 3NUCLE3 | 2.330 | 0.606 | 0.000041 | 0.658 | 0.787 | 0.507 | 0.590 |
| ASNabc | 5.692 | 0.609 | 0.000025 | 0.657 | 0.076 | 0.477 | 0.581 |
| PUNP1 | 3.547 | 0.607 | 0.000000 | 0.656 | 0.326 | 0.488 | 0.583 |
| PUNP2 | 10.543 | 0.613 | 0.000000 | 0.656 | 0.194 | 0.482 | 0.584 |
| IPDDI | 0.017 | 0.604 | 0.000000 | 0.656 | 0.002 | 0.474 | 0.578 |
| NADHPO | -727.953 | 0.000 | -0.013740 | 0.000 | -2.540 | 0.366 | 0.122 |
| NOX | -719.626 | 0.007 | -0.013740 | 0.000 | -11.197 | 0.000 | 0.002 |