# Supplemental Table S3

## Quantitative Estimation of Target Metabolites（Total Amount)

| Metabolite | KEGG ID | Concentration (pmol/$10^6$ cells) | | | | | | | | | | Comparative Analysis | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DMSO 48hr | | | FK866 48hr | | | DMSO 48hr | | FK866 48hr | | FK866 48hr vs DMSO 48hr | |
| | | MGG4-1 | MGG4-2 | MGG4-3 | MGG4FK-1 | MGG4FK-2 | MGG4FK-3 | Mean | S.D. | Mean | S.D. | Ratio ¶ | *p*-value ‖ |
| 2-Phosphoglyceric acid | C00631 | 4.6 | 2.3 | 3.0 | 5.2 | 4.3 | 3.8 | 3.3 | 1.2 | 4.4 | 0.7 | 1.3 | 0.239 |
| 3-Phosphoglyceric acid | C00197 | 16 | 19 | 20 | 24 | 21 | 23 | 18 | 2.0 | 23 | 1.7 | 1.3 | 0.039 |
| ATP | C00002 | 4,833 | 4,411 | 4,790 | 1,060 | 1,078 | 1,061 | 4,678 | 232 | 1,066 | 10 | 0.2 | 0.001 |
| Dihydroxyacetone phosphate | C00111 | 84 | 87 | 99 | 2,360 | 2,709 | 2,660 | 90 | 8.0 | 2,576 | 189 | 29 | 0.002 |
| Fructose 1,6-diphosphate | C00354 | 121 | 105 | 123 | 9,597 | 9,872 | 9,716 | 116 | 9.8 | 9,728 | 138 | 84 | 6.3E-05 |
| Fructose 6-phosphate | C05345,C00085 | 7.2 | 7.8 | 10 | 46 | 44 | 45 | 8.5 | 1.7 | 45 | 1.0 | 5.3 | 3.9E-05 |
| Glucose 6-phosphate | C00668,C01172,C00092 | 27 | 22 | 25 | 161 | 163 | 154 | 25 | 2.5 | 159 | 4.5 | 6.5 | 1.8E-05 |
| Glyceraldehyde 3-phosphate | C00118,C00661 | 28 | 28 | 35 | 424 | 483 | 442 | 31 | 3.6 | 449 | 30 | 15 | 0.002 |
| Lactic acid | C00186,C00256,C01432 | 6,228 | 5,330 | 5,430 | 2,304 | 3,110 | 2,823 | 5,663 | 493 | 2,746 | 409 | 0.5 | 0.002 |
| Phosphoenolpyruvic acid | C00074 | 17 | 14 | 14 | 15 | 13 | 9.7 | 15 | 1.4 | 12 | 2.6 | 0.8 | 0.225 |
| Pyruvic acid | C00022 | 74 | 61 | 72 | 44 | 53 | 52 | 69 | 7.0 | 50 | 5.0 | 0.7 | 0.022 |

ID consists of analysis mode and number. 'A' showed anion mode.
N.D. (Not Detected): The target peak or metabolite was below detection limits.
N.A. (Not Available): The calculation was impossible because of insufficience of the data.