|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Metabolic flux | Fed-batch, Biogro-CHO | Fed-batch, PowerCHO-2 | Fed-batch, Biogro-CHO | Fed-batch, PowerCHO-2 |
| Mean value | Confidence interval | Mean value | Confidence interval | Mean value | Confidence interval | Mean value | Confidence interval |
| 48 h | 96 h | 48 h | 96 h | 48 h | 96 h | 48 h | 96 h | 48 h | 96 h | 48 h | 96 h | 48 h | 96 h | 48 h | 96 h |
| *VLDH*/*VPK* | 0.78 | 0.74 | 0.03 | 0.03 | 0.78 | 0.74 | 0.02 | 0.03 | 0.79 | 0.78 | 0.03 | 0.03 | 0.78 | 0.77 | 0.03 | 0.03 |
| *VPDH*/*VPK* | 0.07 | 0.08 | 0.01 | 0.01 | 0.07 | 0.05 | 0.01 | 0.01 | 0.07 | 0.08 | 0.01 | 0.01 | 0.07 | 0.08 | 0.01 | 0.01 |
| Net ATP production from glycolysis | 0.47 | 0.41 | 0.03 | 0.03 | 0.46 | 0.42 | 0.03 | 0.02 | 0.45 | 0.42 | 0.03 | 0.02 | 0.46 | 0.45 | 0.03 | 0.03 |
| VPDH /TCA cycle | 0.22 | 0.24 | 0.005 | 0.01 | 0.22 | 0.16 | 0.01 | 0.01 | 0.22 | 0.22 | 0.004 | 0.01 | 0.22 | 0.25 | 0.005 | 0.01 |
| Amino acids contribution toTCA cycle | 0.60 | 0.67 | 0.01 | 0.02 | 0.61 | 0.65 | 0.01 | 0.01 | 0.62 | 0.65 | 0.01 | 0.01 | 0.61 | 0.61 | 0.01 | 0.01 |
| Net ATP production from respiration | 0.45 | 0.54 | 0.03 | 0.03 | 0.44 | 0.47 | 0.03 | 0.03 | 0.45 | 0.46 | 0.03 | 0.03 | 0.45 | 0.49 | 0.03 | 0.03 |