|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Metabolite** | **Aligned Retention Time** | **Max. No. Glucose-derived Carbons** | **13C labeled m/z (theoretical)** | **Detected m/z** | **Mass Error (ppm)** |
| Pyruvate | 14.12 | 3 | 90.0189691 | 90.0182423 | 8.07386736 |
| Lactate | 13.07 | 3 | 92.0346181 | 92.0340567 | 6.09947799 |
| Succinate | 14.52 | 3 | 120.029534 | 120.028628 | 7.55036581 |
| Aspartate | 13.30 | 3 | 135.040433 | 135.040497 | 0.47173434 |
| Acetyl-P | 20.88 | 2 | 140.986985 | 140.986189 | 5.64597728 |
| Histidine | 12.86 | 5 | 159.079201 | 159.077028 | 13.6628837 |
| Glyceraldehyde-3-phosphate/  Dihydroxyacetone phosphate | 34.23 | 3 | 172.00095 | 172.00017 | 4.53856615 |
| Glucose | 14.48 | 6 | 185.076514 | 185.075593 | 4.98060011 |
| Tyrosine | 14.20 | 9 | 189.097218 | 189.095695 | 8.05604078 |
| Ribulose-5-phosphate | 19.21 | 5 | 234.02888 | 234.027845 | 4.42525765 |
| 6-phosphogluconolactone | 24.08 | 6 | 263.027195 | 263.026148 | 3.98376788 |
| Glucose-6-phosphate/  Fructose-6-phosphate | 14.41 | 6 | 265.042845 | 265.041793 | 3.97069804 |
| 6-phosphogluconate | 27.19 | 6 | 281.03776 | 281.036581 | 4.19826553 |
| Sedoheptulose-7-phosphate | 18.44 | 5 | 296.056811 | 296.055299 | 5.1058181 |
| Fructose-1,6-bisphosphate | 24.55 | 6 | 345.009176 | 345.007811 | 3.95796794 |
| Acetyl-CoA | 28.91 | 2 | 810.125302 | 810.123184 | 2.61456579 |

**Supplemental Table 1.**