

Table S1. KEGG pathways significantly enriched in the metabolomic response to warming (MS Peaks to Pathways, MetaboAnalyst)(Chong et al. 2019).

| Pathway | Total Compounds | Compounds in Dataset | P-val | Adjusted P-val | NES |
|---|-----------------|----------------------|-------|----------------|-------|
| Glycine, serine and threonine metabolism | 25 | 17 | 0.010 | 0.079 | 1.81 |
| Amino sugar and nucleotide sugar metabolism | 34 | 20 | 0.010 | 0.079 | 1.607 |
| Pyruvate metabolism | 24 | 15 | 0.010 | 0.079 | 1.885 |
| Fructose and mannose metabolism | 18 | 13 | 0.010 | 0.079 | 1.562 |
| beta-Alanine metabolism | 13 | 8 | 0.011 | 0.079 | 1.724 |
| Valine, leucine and isoleucine degradation | 35 | 10 | 0.011 | 0.079 | 1.676 |
| Valine, leucine and isoleucine biosynthesis | 13 | 9 | 0.011 | 0.079 | 1.869 |
| Propanoate metabolism | 18 | 9 | 0.011 | 0.079 | 1.786 |
| Glycerolipid metabolism | 16 | 6 | 0.011 | 0.079 | 1.604 |
| Arachidonic acid metabolism | 10 | 2 | 0.014 | 0.087 | 1.473 |