**Table S3. The wald scores of each gene computed by superPC and description of fatty acid signature genes.**

|  |  |  |
| --- | --- | --- |
| **Gene** | **Gene name** | **Wald Score** |
| G0S2 | G0/G1 switch protein 2 | 1.771195 |
| LDHA | Lactate dehydrogenase A | 1.222994 |
| ACOT7 | Cytosolic acyl coenzyme A thioester hydrolase | 0.950138 |
| ADH1C | Alcohol dehydrogenase 1C | 0.666446 |
| ADH1A | Alcohol dehydrogenase 1A | 0.823875 |
| APEX1 | DNA repair nuclease/redox regulator APEX1 | -1.33836 |
| CBR1 | Carbonyl reductase [NADPH] 1 | 1.165048 |
| NBN | Nibrin | -1.00085 |
| CD1D | Antigen-presenting glycoprotein CD1d | 1.082245 |
| GPX2 | Glutathione peroxidase 2 | 1.244164 |