**S. Table 1**. lipids with statistical difference between the SI group and the NC group in the serum of xenograft model mice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lipid species | Class | Fold Change | P-value | VIP |
| PC(40:5) | PC | 0.606861274 | 0.000146217 | 1.293832624 |
| PC(16:0/18:1) | PC | 0.652940198 | 0.0009727 | 5.132363475 |
| PC(34:1) | PC | 0.688473495 | 0.001101035 | 4.589966646 |
| PC(18:0/22:5) | PC | 0.609724731 | 0.001564124 | 1.304737578 |
| PC(19:0/18:2) | PC | 1.815707573 | 0.004303177 | 1.861554243 |
| PC(18:0/18:1) | PC | 0.705689199 | 0.005239839 | 2.224959257 |
| PC(37:2) | PC | 1.918144952 | 0.007154039 | 1.615076842 |
| PC(40:6) | PC | 0.760881153 | 0.007353041 | 1.208853235 |
| PC(38:6) | PC | 0.634926524 | 0.008231877 | 6.197728317 |
| PC(40:6) | PC | 0.616193876 | 0.00905955 | 4.864028231 |
| PC(18:0/22:5) | PC | 0.492276664 | 0.009701744 | 1.10156799 |
| PC(40:5) | PC | 0.47371179 | 0.010543472 | 1.099871504 |
| PC(36:1) | PC | 0.695476198 | 0.011096746 | 2.135737506 |
| PC(18:1/22:5) | PC | 0.641165583 | 0.013680425 | 4.375149905 |
| PC(18:0/20:3) | PC | 0.667905815 | 0.014119295 | 1.976565091 |
| PC(18:1/20:4) | PC | 0.710391654 | 0.019505485 | 1.545029009 |
| PC(16:0/20:3) | PC | 1.545831113 | 0.01962593 | 4.112272738 |
| PC(18:0/18:0) | PC | 0.668247029 | 0.021469668 | 2.722419705 |
| PC(17:0/18:2) | PC | 1.366541342 | 0.02425792 | 1.7203511 |
| PC(38:5) | PC | 0.719549962 | 0.024911798 | 1.910492654 |
| PC(34:0) | PC | 1.485813124 | 0.025116434 | 3.721822686 |
| PC(16:0e/20:4) | PC | 1.291513047 | 0.026483253 | 1.136715623 |
| PC(40:7) | PC | 0.641958099 | 0.026768199 | 1.643085114 |
| PC(18:1/22:6) | PC | 0.678675435 | 0.029994914 | 1.213161556 |
| PC(18:1/22:6) | PC | 0.678675435 | 0.029994914 | 1.213161556 |
| PC(35:2) | PC | 1.423153812 | 0.041669887 | 1.734053241 |
| PC(18:2/18:2) | PC | 2.064505113 | 0.042469368 | 3.465072113 |
| PC(36:4) | PC | 2.263643706 | 0.045431772 | 3.563209015 |
| TG(16:0/18:2/22:6) | TG | 0.628769802 | 0.001674306 | 1.241862126 |
| TG(18:0e/18:2/20:1) | TG | 2.375543568 | 0.003730566 | 1.085033498 |
| TG(16:0/18:1/22:6) | TG | 0.555407217 | 0.004059466 | 2.078944586 |
| TG(18:0e/16:0/18:2) | TG | 2.474541175 | 0.005470381 | 1.127705414 |
| TG(18:1/18:1/22:6) | TG | 0.595932815 | 0.015090541 | 1.045272898 |
| TG(16:0/18:2/22:6) | TG | 0.538622864 | 0.015565003 | 2.055893056 |
| TG(18:1/18:1/20:3) | TG | 1.836006105 | 0.045399529 | 1.677455104 |
| TG(20:1/18:1/18:1) | TG | 1.719466726 | 0.046337984 | 1.2579123 |
| LPC(18:2) | LPC | 1.204102214 | 0.005239327 | 3.656326664 |
| LPC(18:2) | LPC | 1.214202242 | 0.010334903 | 5.090147053 |
| LPC(16:0) | LPC | 0.835148058 | 0.011175414 | 3.03358946 |
| LPC(16:0) | LPC | 0.857889412 | 0.029634051 | 2.421885983 |
| LPC(22:6) | LPC | 0.648957748 | 0.030344382 | 2.778036988 |
| LPC(18:0) | LPC | 0.78248739 | 0.038392644 | 3.649013266 |
| LPC(22:6) | LPC | 0.652122394 | 0.039053494 | 1.989803763 |
| PS(41:5) | PS | 0.607814368 | 0.00640558 | 5.720280235 |
| PS(41:4) | PS | 0.702496684 | 0.019897852 | 1.109084271 |
| LPE(22:6) | LPE | 0.632485347 | 0.008719669 | 2.402023855 |
| LPE(18:2) | LPE | 1.621950079 | 0.020607788 | 2.134092407 |
| PI(18:0/20:4) | PI | 0.697563414 | 0.016141065 | 1.188468417 |
| ChE(22:6) | ChE | 0.583439591 | 0.019185873 | 2.489101221 |
| SM(d36:1) | SM | 0.571097682 | 0.031166924 | 1.304581748 |
| SM(d18:0/18:1) | SM | 0.60491159 | 0.035501299 | 1.702978847 |
| SM(d22:1/18:0) | SM | 0.744353492 | 0.035877274 | 1.101105314 |
| SM(d34:1) | SM | 0.654088037 | 0.043893677 | 2.692797765 |
| PE(38:3p) | PE | 1.588771197 | 0.01059404 | 1.252675805 |
| PE(42:5p) | PE | 1.417128633 | 0.024055327 | 1.060394515 |
| PE(36:2e) | PE | 1.769083901 | 0.041213626 | 1.054906109 |
| PE(18:0p/22:5) | PE | 1.556126597 | 0.042225782 | 1.802433845 |