Table SI. Differentially expressed serum endogenous metabolites in Nor, Cis and MEAG groups.

| Metabolite | RT, min | Measured m/z | Adduct | Formula | Cis vs. Nor | | | | MEAG vs. Cis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | FC | V | P-value | Trend | FC | V | P-value | Trend |
| L-phenylalanine | 1.287 / 1.343 | 166.0860 / 164.0715 | (M+H)+ / (M−H)− | C9H11NO2 | 2.6645 / 3.7194 | 1.0618 / 1.3234 | $2.8132x10^{-5}$ / $7.0602x10^{-7}$ | ↑/↑. | -1.8279 / -2.1005 | 1.1342 / 1.1563 | $7.9870x10^{-4}$ / $9.3350x10^{-4}$ | ↓/↓. |
| L-carnitine | 0.835 | 162.1128 | (M+H)+ | C7H15NO3 | 3.3979 | 1.0839 | $1.4820x10^{-5}$ | ↑ | -2.5086 | 1.1840 | $4.0438x10^{-4}$ | ↓ |
| Creatine | 0.858 | 132.0763 | (M+H)+ | C4H9N3O2 | -3.9873 | 1.1408 | $1.5123x10^{-8}$ | ↓ | 2.3159 | 1.2268 | $1.5702x10^{-4}$ | ↑ |
| Phosphocholine | 11.821 | 184.0728 | (M)+ | C5H15NO4P | 1.6580 | 1.0996 | $5.2402x10^{-6}$ | ↑ | -1.0745 | 1.1725 | $2.6454x10^{-4}$ | ↓ |
| LysoPE (16:0/0:0) | 11.727 | 454.2934 | (M+H)+ | C21H44NO7P | -4.0524 | 1.1468 | $5.0280x10^{-9}$ | ↓ | 2.0566 | 1.2379 | $1.4216x10^{-4}$ | ↑ |
| sStearoyl-L-carnitine | 12.937 | 428.3734 | (M+H)+ | C25H49NO4 | -4.6133 | 1.1197 | $3.3669x10^{-7}$ | ↓ | 2.5077 | 1.1712 | $4.1441x10^{-4}$ | ↑ |
| L-tryptophan | 4.118 | 203.0826 | (M−H)− | C11H12N2O2 | 3.3316 | 1.2970 | $7.2559x10^{-6}$ | ↑ | -2.1848 | 1.1798 | $6.7676x10^{-4}$ | ↓ |
| Citric acid | 0.922 | 191.0188 | (M−H)− | C6H8O7 | 3.5848 | 1.1097 | $1.2978x10^{-3}$ | ↑ | -1.5454 | 1.1738 | $5.8196x10^{-4}$ | ↓ |
| Ascorbic acid | 0.919 | 175.0243 | (M−H)− | C6H8O6 | -3.1022 | 1.0061 | $6.5670x10^{-3}$ | ↓ | 2.6874 | 1.2327 | $4.2563x10^{-4}$ | ↑ |
| Hyocholic acid | 6.792 | 407.2796 | (M−H)− | C24H40O5 | 5.2868 | 1.0319 | $7.4059x10^{-3}$ | ↑ | -10.7310 | 1.2635 | $2.0890x10^{-5}$ | ↓ |
| Docosahexaenoic acid | 11.173 | 327.2325 | (M−H)− | C22H32O2 | -3.4037 | 1.1619 | $4.2741x10^{-4}$ | ↓ | 3.6107 | 1.2709 | $2.8350x10^{-5}$ | ↑ |
| L-tyrosine | 1.216 | 180.0660 | (M−H)− | C9H11NO3 | 5.2108 | 1.2661 | $1.4192x10^{-5}$ | ↑ | -3.2157 | 1.1713 | $5.2116x10^{-4}$ | ↓ |
| L-pyroglutamic acid | 0.952 | 128.0350 | (M−H)− | C5H7NO3 | 3.6354 | 1.3284 | $4.3286x10^{-7}$ | ↑ | -1.5794 | 1.0661 | $3.4123x10^{-3}$ | ↓ |

LysoPE, lysophosphatidylethanolamine; RT, retention time; measured m/z, measured mass-to-charge ratio; FC, fold change; V, variable importance in projection; Nor, normal control group; Cis, cisplatin group; MEAG, methanolic extract of BaiYangJie. iYangJie. BaiYangJie. iYangJie. atin group; Mrease in the corresponding comparison.

Table SII. Topological properties of core targets.

| No. | Gene name | Degree centrality | Betweenness centrality | Closeness centrality |
|---|---|---|---|---|
| 1 | AKT1 | 117 | 3287.6824 | 0.6923 |
| 2 | EGFR | 101 | 2511.0270 | 0.6592 |
| 3 | ALB | 103 | 2134.2258 | 0.6571 |
| 4 | BCL2 | 98 | 2081.5960 | 0.6469 |
| 5 | HIF1A | 92 | 1869.2987 | 0.6449 |
| 6 | HSP90AA1 | 95 | 1563.5806 | 0.6409 |
| 7 | SRC | 102 | 1432.9989 | 0.6350 |
| 8 | ESR1 | 93 | 1420.6189 | 0.6311 |
| 9 | PTGS2 | 82 | 1304.1351 | 0.6292 |
| 10 | MAPK3 | 85 | 1108.3928 | 0.6106 |
| 11 | GSK3B | 73 | 965.2620 | 0.6000 |

For each centrality metric, genes are ranked independently. Thus, the three gene columns list the top-ranked genes for degree centrality, betweenness centrality and closeness centrality, respectively, and row-wise entries are not intended for direct one-to-one comparison.s