代谢评分 分组比较图.tiff

Figure S1 Comparison of fatty acid metabolism scores in the GSE28829 dataset. \*\*\*p < 0.001.

热图.tiff

Figure S2 The heatmap revealed the presence of FRGs between the early AS and advanced AS groups in the GSE28829 dataset.

Table S1 Patient characteristics for AAA samples in the GEO database.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Characteristic | GSE57691 |  |  | GSE47472 |  | GSE98278 |
|  | Small AAA | Large AAA | Control | Large AAA | Control | Large AAA |
| Number | 20 | 29 | 10 | 14 | 8 | 31 |
| Aortic diameter (mm) | 53.4±2.3 | 68.4±14.3 | 25.7±1.2 | 62.6±18 | N/A | 62.3±12.1 |
| Sex | Women, 0 (0%) | Women, 2 (7%) | Women, 4 (40%) | Women, 3 (21%) | Women, 3 (38%) | Male, 30 (97%) |
| Age (years) | 68.8±6.9 | 70.5±7.1 | 68.4±4.5 | 71.1±6.2 | 66.8±2.9 | 69.5±7.2 |
| Peripheral arterial disease | 3 (15%) | 5 (17%) | N/A | 1 (7%) | N/A | N/A |
| Hypertension | 15 (75%) | 25 (86%) | N/A | 10 (71%) | N/A | 29 (93.5%) |
| Diabetes mellitus | 4 (20%) | 7 (24%) | N/A | 1 (7%) | N/A | 10 (32.3%) |
| Dyslipidemia | 15 (75%) | 20 (69%) | N/A | 10 (71%) | N/A | 24 (77.4%) |
| Coronary heart disease | 8 (40 %) | 17 (59%) | N/A | 7 (50%) | N/A | 18 (58.1%) |
| Ever smoker | 7 (35%) | 21 (72%) | N/A | 8 (57%) | N/A | 18 (58.1%) |
| BMI (kg/m2) | 28.8±3.2 | 26.8±4.0 | 22.7±9.6 | 28.7±4.6 | N/A | 27.2±3.3 |

Table S2 Baseline characteristics of participants.

|  |  |  |  |
| --- | --- | --- | --- |
| Variables | Normal (n = 6) | AS (n = 8) | AAA (n = 8) |
| Age, years | 51 (48-58) | 61 (51-72) | 59 (52-71) |
| Male, n (%) | 4 (66.6%) | 3 (37.5%) | 4 (50%) |
| SBP, mmHg | 121 (114-128) | 142 (129-152) | 144 (125-155) |
| DBP, mmHg | 70 (65-75) | 88 (78-96) | 86 (77-93) |
| TC, mmol/L | 4.25 (3.3-5.3) | 6.59 (5.82-6.9) | 6.83 (5.71-7.21) |
| TG, mmol/L | 1.2 (0.6-1.6) | 1.84 (1.68-1.96) | 1.82 (1.65-1.94) |
| LDL-C, mmol/L | 2.25 (1.36-3.31) | 3.86 (3.58-4.1) | 4.33 (3.6-5.62) |
| HDL-C, mmol/L | 1.9 (1.15-2.21) | 0.83 (0.63-1.1) | 0.75 (0.41-1.23) |