**Table S1.** Compositions of the experimental diets (g/kg diet)

|  |  |  |
| --- | --- | --- |
|  | S1 and OVX | OVX+0.5A |
| Cornstarch | 470.692 | 465.692 |
| Casein | 140.000 | 140.000 |
| Sucrose | 100.000 | 100.000 |
| Beef tallow | 180.000 | 180.000 |
| Cholesterol | 10.000 | 10.000 |
| Fiber | 50.000 | 50.000 |
| Mineral mixture2 | 35.000 | 35.000 |
| Vitamin mixture3 | 10.000 | 10.000 |
| L-cysteine | 1.800 | 1.800 |
| Choline bitartrate | 2.500 | 2.500 |
| TBHQ4 | 0.008 | 0.008 |
| Aqueous *A. pilosa* extract | - | 5.000 |

1 Abbreviations: S, sham-operated + HFD; OVX, ovariectomized + HFD; OVX+0.5A, ovariectomized + HFD with 0.5% aqueous *A. pilosa* extract

2 Mineral mixture: AIN-93M mineral mixture (ICN, CA, USA)

3 Vitamin mixture: AIN-93VX vitamin mixture (ICN, CA, USA)

4 TBHQ: tert-butylhydroquinone