

Supplementary Table S2. The formula of normal-chow diet and high-fat diet, respectively

| | MD12031(10%) | MD12032(45%) |
|-------------------------|--------------|--------------|
| casein | 18.96% | 23.31% |
| L-cystine | 0.28% | 0.35% |
| corn starch | 29.86% | 8.48% |
| maltodextrin | 3.32% | 11.65% |
| sucrose | 33.17% | 20.14% |
| cellulose | 4.74% | 5.83% |
| soybean oil | 2.37% | 2.91% |
| lard oil | 1.90% | 20.68% |
| complex mineral | 4.24% | 5.23% |
| decavitamin | 0.95% | 1.16% |
| Choline tartrate | 0.19% | 0.23% |
| Total calories (kcal/g) | 3.85 | 4.73 |