

Supplementary Table S3. Biochemical parameters of rat plasma from de different groups studied.

| | | TC (mg/dL) | | | | TG (mg/dL) | | | | HDLc (mg/dL) | | | | non-HDLc(mg/dL) | | | | ALT (U/L) | | | | AST (U/L) | | | | Insulin (ug/L) | | | | Glucose (mg/dL) | | | |
|-------------------------------------|------------------|---------------|---|------------|------------------------|---------------|---|------------|-----------|--------------|---|-----------|-----------|-----------------|---|------------|------------------------|--------------|---|------------|------------------------|--------------|---|------------|------------------------|----------------|---|----------|-------------------------|-----------------|---|-----------|-----------|
| | | mea n | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> | me an | ± | SD | <i>p</i> | mea n | ± | SD | <i>p</i> |
| SCD | Females (n=3) | 69,2 2 | ± | 7,72 | | 56,3 9 | ± | 29,3 0 | | 52, 46 | ± | 2,8 3 | | 16,7 6 | ± | 6,14 | | 43,3 3 | ± | 16,1 7 | | 170, 00 | ± | 88,6 1 | | 0,4 6 | ± | 0,1 0 | | 221, 67 | ± | 18, 56 | |
| | Males (n=3) | 73,4 7 | ± | 13,3 0 | | 140, 53 | ± | 90,8 5 | | 54, 59 | ± | 7,2 7 | | 18,8 8 | ± | 7,09 | | 44,3 3 | ± | 10,0 7 | | 179, 00 | ± | 1,73 | | 0,8 4 | ± | 0,1 3 | | 264, 00 | ± | 39, 85 | |
| | Total (N=6) | 71,3 5 | ± | 10,0 0 | | 98,4 6 | ± | 75,9 5 | | 53, 53 | ± | 5,0 7 | | 17,8 2 | ± | 6,05 | | 43,8 3 | ± | 12,0 6 | | 174, 50 | ± | 56,2 7 | | 0,6 1 | ± | 0,2 3 | | 242, 83 | ± | 36, 20 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HFD | Females (n=3) | 425, 89 | ± | 146, 85 | 0,05 2 | 129, 90 | ± | 51,4 1 | 0,0 98 | 47, 36 | ± | 12, 40 | 0,5 25 | 378, 53 | ± | 147, 16 | 0,01 3 ^a | 109, 67 | ± | 50,8 2 | 0,09 7 | 447, 33 | ± | 145, 96 | 0,04 8 ^a | 1,2 4 | ± | 0,6 6 | 0,113 | 225, 33 | ± | 22, 94 | 0,8 40 |
| | Males (n=3) | 224, 03 | ± | 61,7 6 | 0,04 6 ^a | 151, 45 | ± | 42,9 5 | 0,8 60 | 36, 30 | ± | 11, 92 | 0,0 86 | 187, 73 | ± | 52,8 2 | 0,02 9 ^a | 188, 67 | ± | 70,0 1 | 0,02 4 ^a | 313, 67 | ± | 76,8 3 | 0,09 3 | 5,2 7 | ± | 0,3 4 | <0,00 1 ^a | 210, 67 | ± | 11, 24 | 0,0 90 |
| | Total (N=6) | 324, 96 | ± | 149, 58 | 0,00 9 ^a | 140, 68 | ± | 43,9 8 | 0,2 66 | 41, 83 | ± | 12, 45 | 0,0 59 | 283, 13 | ± | 143, 87 | 0,00 6 ^a | 149, 17 | ± | 69,7 6 | 0,01 3 ^a | 380, 50 | ± | 127, 45 | 0,00 5 ^a | 3,2 6 | ± | 2,2 5 | 0,035 ^a | 218, 00 | ± | 18, 04 | 0,1 64 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HFD + red- fleshed apple | Females (n=3) | 547, 57 | ± | 306, 95 | ns | 215, 52 | ± | 143, 73 | ns | 44, 81 | ± | 23, 46 | ns | 502, 76 | ± | 288, 71 | ns | 101, 33 | ± | 48,4 2 | ns | 380, 00 | ± | 93,7 4 | ns | 1,3 3 | ± | 0,9 4 | ns | 278, 33 | ± | 62, 32 | ns |
| | Males (n=3) | 232, 54 | ± | 33,6 3 | ns | 88,2 7 | ± | 27,3 3 | ns | 40, 55 | ± | 9,3 7 | ns | 191, 98 | ± | 24,3 7 | ns | 209, 67 | ± | 40,3 8 | ns | 317, 67 | ± | 61,7 8 | ns | 3,2 2 | ± | 0,3 4 | ns | 236, 00 | ± | 14, 53 | ns |
| | Total (N=6) | 390, 05 | ± | 260, 60 | ns | 151, 90 | ± | 115, 84 | ns | 42, 68 | ± | 16, 15 | ns | 347, 37 | ± | 250, 11 | ns | 155, 50 | ± | 71,4 9 | ns | 348, 83 | ± | 78,7 9 | ns | 2,2 8 | ± | 1,2 1 | ns | 257, 17 | ± | 46, 65 | ns |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HFD + white- fleshed apple | Females (n=3) | 476, 80 | ± | 189, 68 | ns | 115, 14 | ± | 7,97 | ns | 33, 46 | ± | 15, 60 | ns | 443, 34 | ± | 174, 08 | ns | 107, 33 | ± | 61,4 4 | ns | 410, 00 | ± | 280, 38 | ns | 1,0 7 | ± | 0,7 4 | ns | 228, 00 | ± | 13, 23 | ns |
| | Males (n=3) | 226, 86 | ± | 41,0 0 | ns | 91,5 2 | ± | 29,8 0 | ns | 55, 30 | ± | 27, 85 | ns | 171, 57 | ± | 39,6 4 | ns | 241, 33 | ± | 101, 69 | ns | 493, 67 | ± | 218, 53 | ns | 3,4 9 | ± | 0,6 3 | ns | 227, 67 | ± | 13, 65 | ns |
| | Total (N=6) | 351, 83 | ± | 183, 86 | ns | 103, 33 | ± | 23,4 1 | ns | 44, 38 | ± | 23, 47 | ns | 307, 45 | ± | 186, 84 | ns | 174, 33 | ± | 105, 04 | ns | 451, 83 | ± | 229, 45 | ns | 2,5 2 | ± | 1,4 4 | ns | 227, 83 | ± | 12, 02 | ns |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HFD + Aronia | Females (n=3) | 535, 58 | ± | 156, 60 | ns | 211, 68 | ± | 68,6 5 | ns | 40, 27 | ± | 2,6 0 | ns | 495, 31 | ± | 154, 01 | ns | 88,6 7 | ± | 61,6 5 | ns | 358, 33 | ± | 197, 45 | ns | 1,3 9 | ± | 1,0 3 | ns | 260, 33 | ± | 44, 29 | ns |
| | Males (n=3) | 236, 02 | ± | 66,8 2 | ns | 137, 28 | ± | 84,1 2 | ns | 43, 39 | ± | 13, 37 | ns | 192, 63 | ± | 72,6 6 | ns | 246, 00 | ± | 23,5 2 | ns | 449, 67 | ± | 83,3 4 | ns | 2,0 8 | ± | 2,2 4 | 0,029 * | 209, 33 | ± | 42, 34 | ns |
| | Total (N=6) | 385, 80 | ± | 196, 26 | ns | 174, 48 | ± | 79,8 5 | ns | 41, 83 | ± | 8,7 8 | ns | 343, 97 | ± | 197, 70 | ns | 167, 33 | ± | 95,7 5 | ns | 404, 00 | ± | 144, 48 | ns | 1,7 3 | ± | 1,6 0 | ns | 234, 83 | ± | 47, 77 | ns |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HFD + Atorvasta tina | Females (n=3) | 644, 50 | ± | 199, 53 | ns | 184, 82 | ± | 82,7 9 | ns | 40, 84 | ± | 24, 26 | ns | 603, 66 | ± | 179, 80 | ns | 145, 00 | ± | 87,4 8 | ns | 512, 33 | ± | 130, 22 | ns | 0,3 8 | ± | 0,0 8 | ns | 238, 33 | ± | 32, 13 | ns |
| | Males (n=3) | 220, 03 | ± | 50,1 6 | ns | 100, 08 | ± | 40,6 7 | ns | 33, 75 | ± | 15, 69 | ns | 186, 29 | ± | 38,1 3 | ns | 262, 33 | ± | 118, 56 | ns | 476, 33 | ± | 163, 69 | ns | 3,3 1 | ± | 0,3 0 | ns | 251, 67 | ± | 14, 57 | ns |
| | Total (N=6) | 432, 27 | ± | 266, 43 | ns | 142, 45 | ± | 74,5 5 | ns | 37, 29 | ± | 18, 68 | ns | 394, 98 | ± | 256, 46 | ns | 203, 67 | ± | 113, 20 | ns | 494, 33 | ± | 133, 75 | ns | 1,8 5 | ± | 1,6 2 | ns | 245, 00 | ± | 23, 48 | ns |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SCD, standard chow diet; HFD, high fat diet; TC, total cholesterol; TG, triglycerides; HDLc, high-density lipoprotein cholesterol; nonHDLc, non-high-density lipoprotein cholesterol; ALT, alanine aminotransferase; AST, aspartate aminotransferase; ns, non significant

^a HFD versus SCD student t-test