

**Supplemental Table S1** Selection of animals for microarray analysis.

<b>Animals group</b>	<b>Animal ID</b>	<b>Body weight (g)</b>	<b>plasma TG (mM)</b>	<b>plasma chol. (mM)</b>
Control	3527	31.2	1.24	8.2
Control	7343	37.4	0.92	4.8
<b>Control</b>	5122	29.8	1.12	6,0
<b>Control</b>	7037	30,0	0.52	4.6
<b>Control</b>	3377	28.1	1,00	4.8
<b>Control</b>	0311	28.4	0.88	6.4
Control	4356	33,0	1.12	5.2
Control	5807	32.8	0.72	5.2
Control	0104	31.6	0.4	4.8
<b>HFD_EPA/DHA</b>	2824	30.5	0.92	5.4
<b>HFD_EPA/DHA</b>	0864	26.7	1.12	7,0
HFD_EPA/DHA	6534	30	0.84	6,0
HFD_EPA/DHA	7887	30.3	0.68	4.8
HFD_EPA/DHA	6304	30.2	1.04	5.4
<b>HFD_EPA/DHA</b>	7011	23.5	0.92	6.4
HFD_EPA/DHA	5345	31.1	1.2	4.2
<b>HFD_EPA/DHA</b>	6572	29.4	2,00	4.6
HFD_EPA/DHA	2790	27.1	1.16	6,0
HFD_EPA/DHA	5304	32	1.16	5.2
HFD_EPA/DHA	7538	27.4	1.16	8,0
HFD_EPA/DHA	4869	24.7	1,00	2.8
<b>HFD_corn oil</b>	1787	26	0.64	4
HFD_corn oil	9895	25.2	0.48	3.2
<b>HFD_corn oil</b>	6524	21.3	0.56	3.6
HFD_corn oil	5592	24.3	0.44	3
HFD_corn oil	5008	24.8	0.56	5
<b>HFD_corn oil</b>	3014	24.4	0.84	6.4
HFD_corn oil	6523	25.9	0.72	5.6
HFD_corn oil	9101	25	0.64	5.4
<b>HFD_corn oil</b>	3358	27	0.92	6
HFD_corn oil	2539	23.5	0.72	7
HFD_corn oil	1091	22.2	1.12	10
HFD_corn oil	1088	22.2	0.4	3.6

The animals marked in bold letters were selected for microarray analysis.