

**Figure 7 – figure supplement 1**

Protein	Mean(HFD)	Mean(ND)	FoldChange
Spt5	2246267	14483.5	155.09
fs(1)N	606550	6754.1	89.80
fon	2152300	28661	75.10
yellow-f	1204840	33431.5	36.04
Zasp67	2373967	67897.67	34.96
Fkbp14	442890	26349	16.81
CG11835	597690	39310	15.20
wupA	3896733	266110	14.64
up	9704700	682020	14.23
EbplII	9465933	700143.3	13.52
ps	313256.7	25229	12.42
CG30069	80875	6844.467	11.82
Pect	1285830	114704	11.21
cl	1859900	182010	10.22
RpL35	18551000	1865233	9.95
PGRP-SB1	10918233	1150600	9.49
CTPsyn	391933.3	41764.5	9.38
B52	8089367	869540	9.30
Tm1	1698567	183915	9.24
levy	5521933	598895	9.22
CG11583	59047.33	6064000	0.01
CG3800	44102	3060267	0.01
Bap55	18786.33	1110087	0.02
CG15784	16769	233556.7	0.07
COX2	245860	1931500	0.13
CG8417	150146.7	1161633	0.13
yip7	512070	3887367	0.13
CG11334	34703.5	255253.3	0.14
CG8774	22960.67	159130	0.14
GM130	43539.33	298606.7	0.15
slgA	16584.53	105703.7	0.16
Elp1	11282.67	71393.67	0.16
Jhl-26	55973	336606.7	0.17
Taldo	223103.3	1329970	0.17
Galphao	41287.33	242873.3	0.17
l(2)k09913	42732	225593.3	0.19
spheroid	173284.5	892760	0.19
GstE6	135883.3	699236.7	0.19
DhpD	130434.3	670470	0.19
CG33301	78626	382673.3	0.21

**Top40 differential expression proteins in fly hemolymph by HFD treatment**