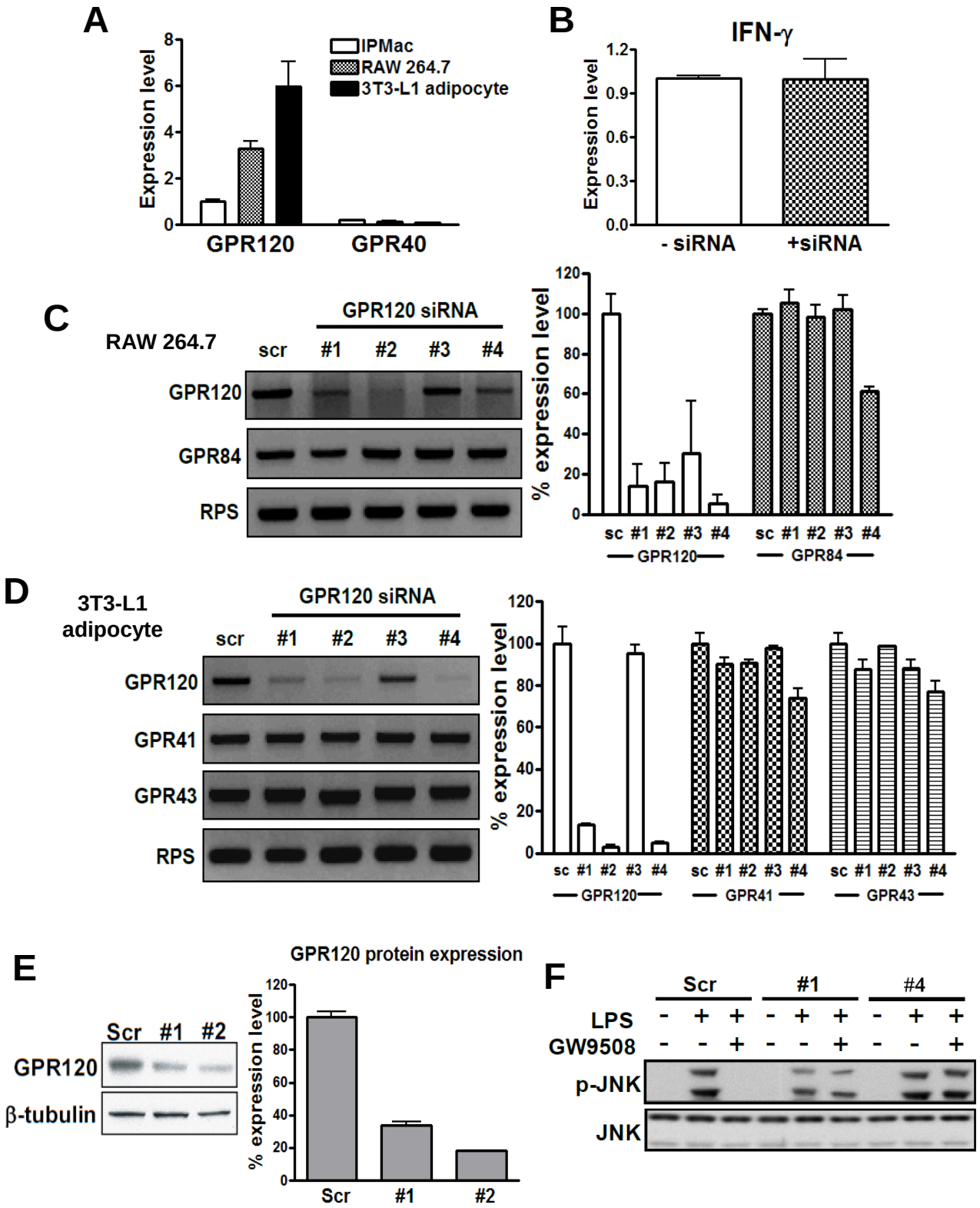
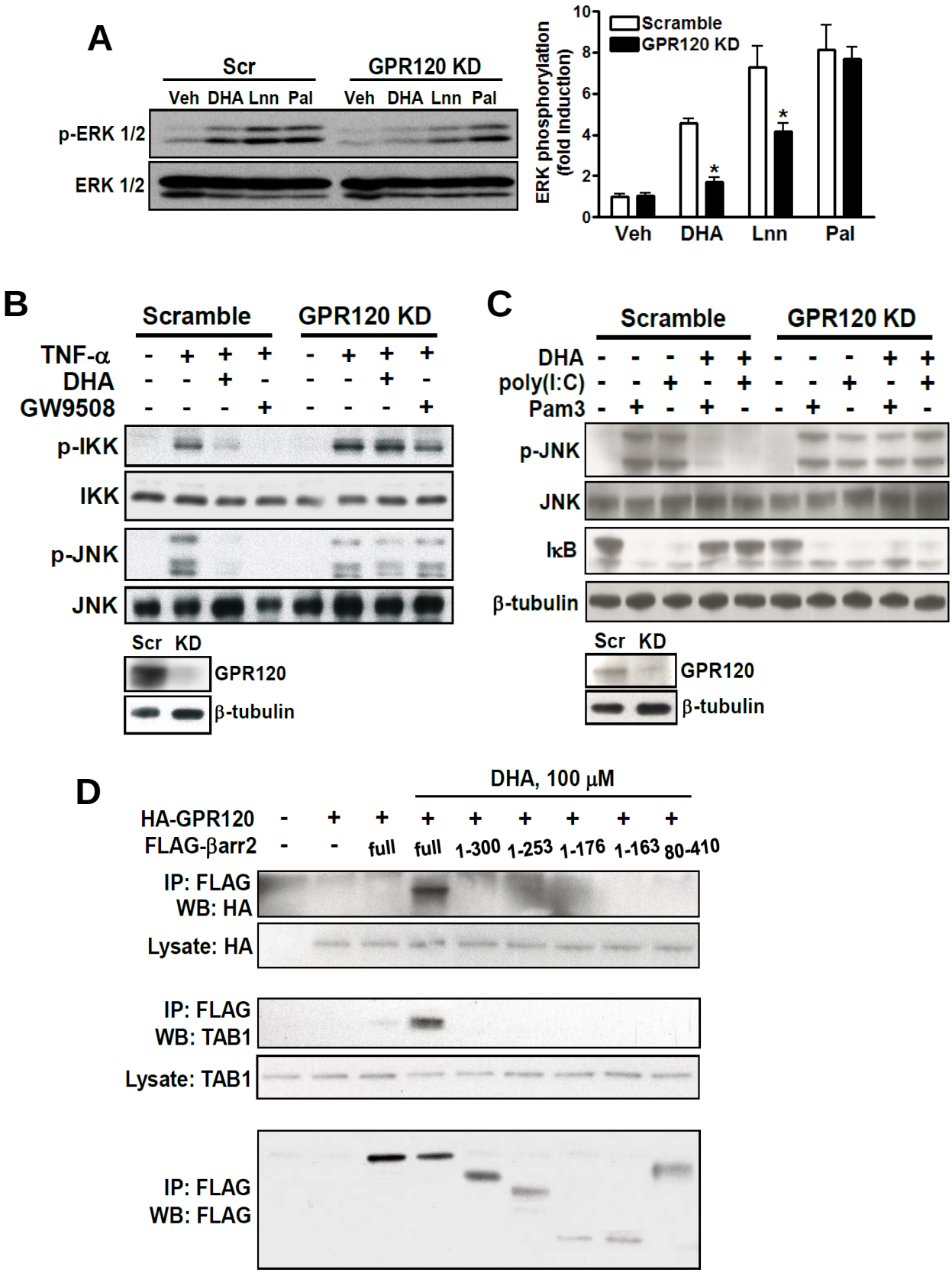
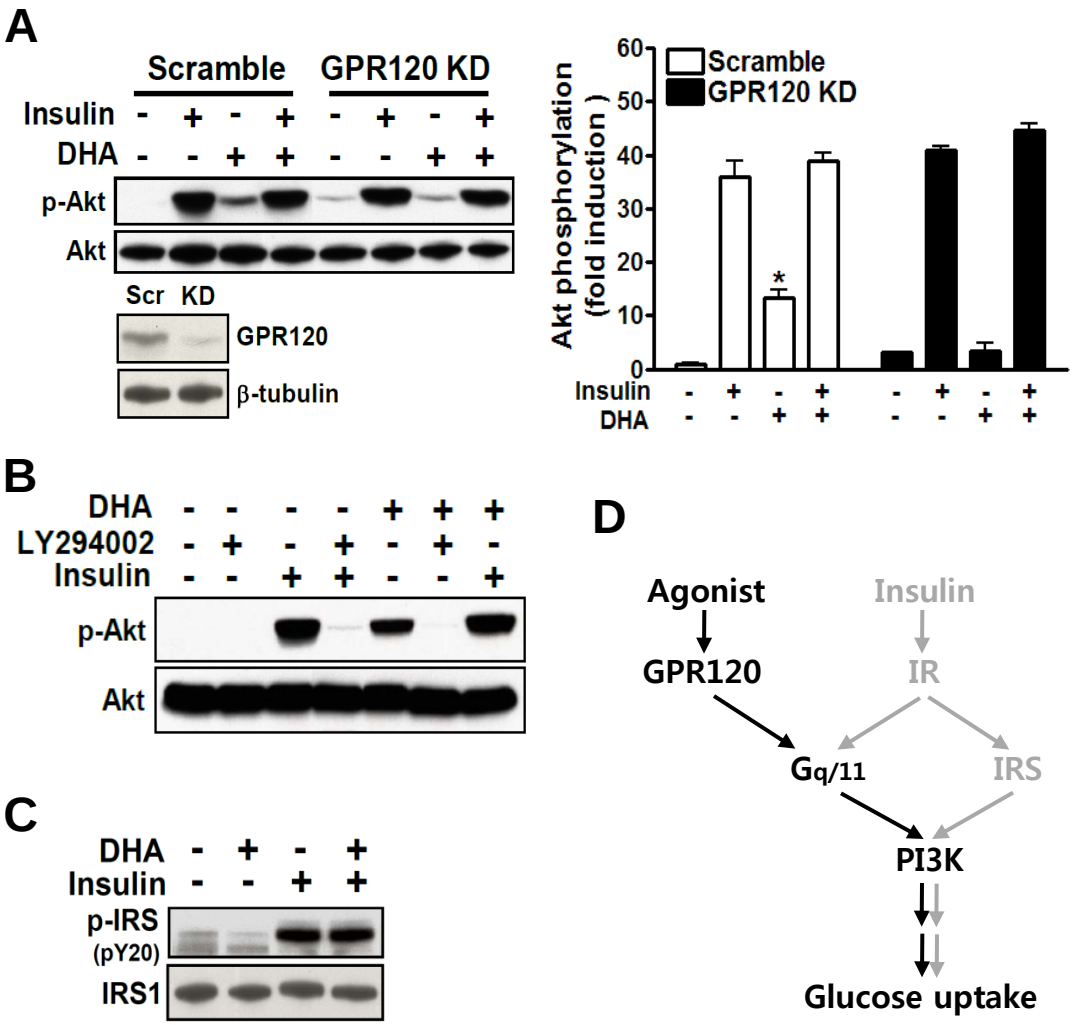
Supplemental Figure 1. Oh *et al*. --- related to Figure 1.



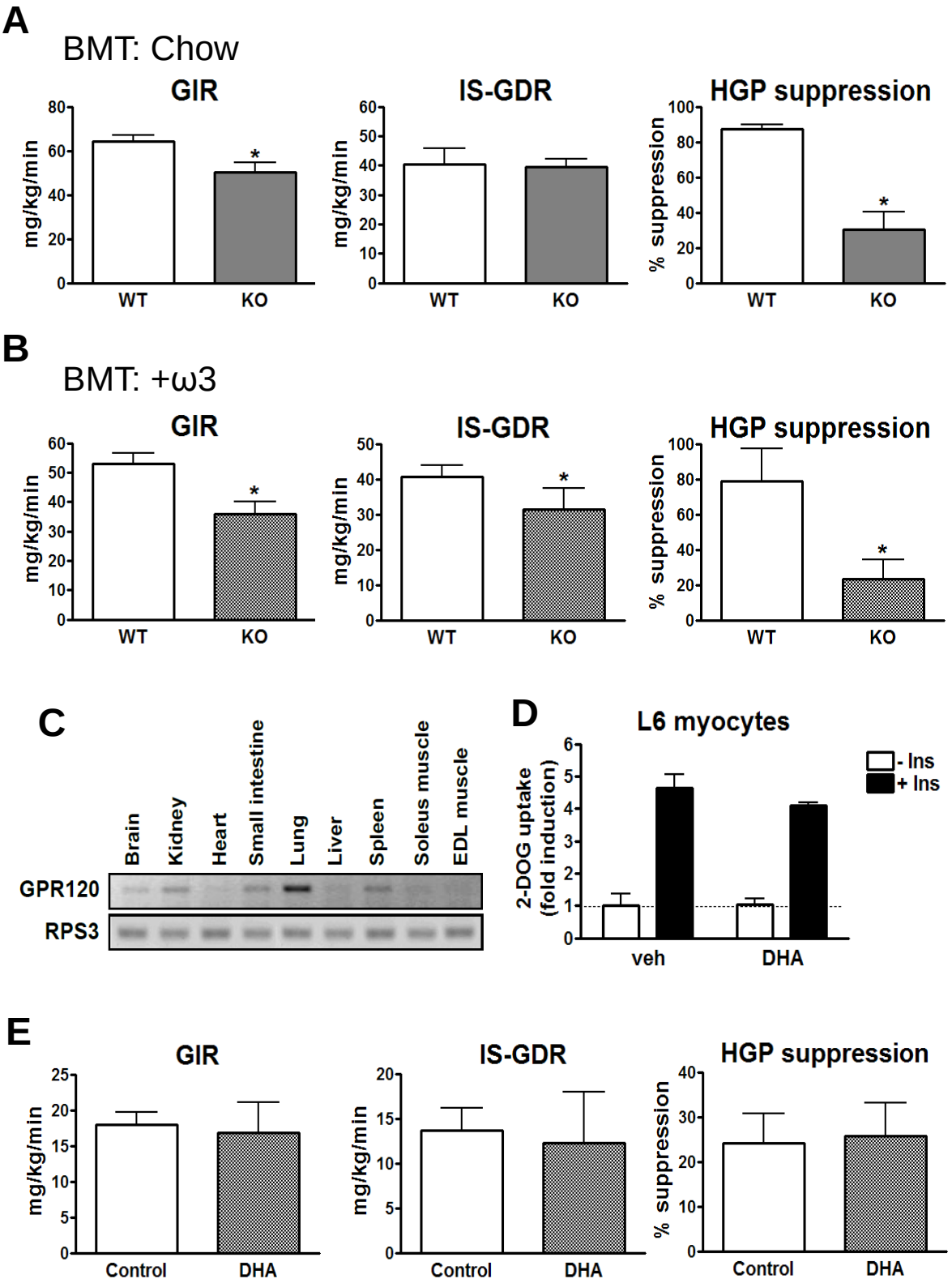
Supplemental Figure 2. Oh *et al*. ---- related to Figure 2 and 3.



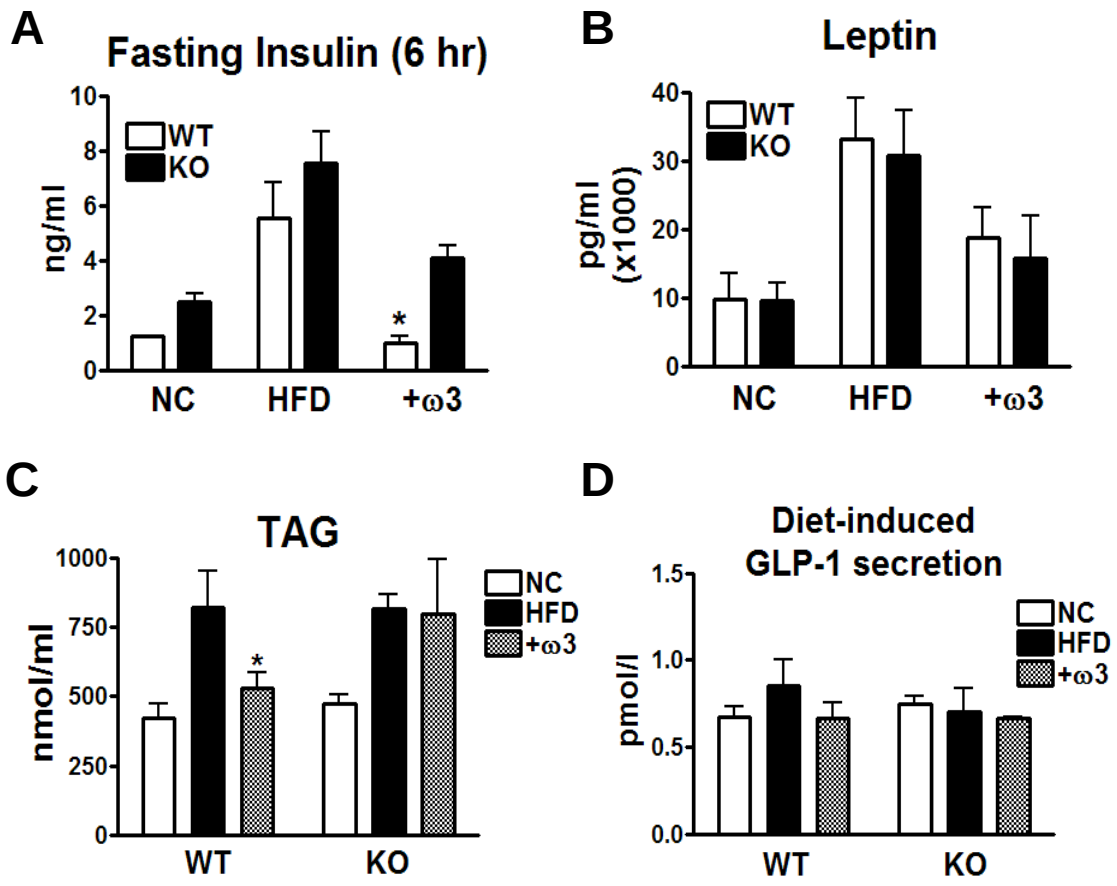
Supplemental Figure 3. Oh *et al*. --- related Figure 4.



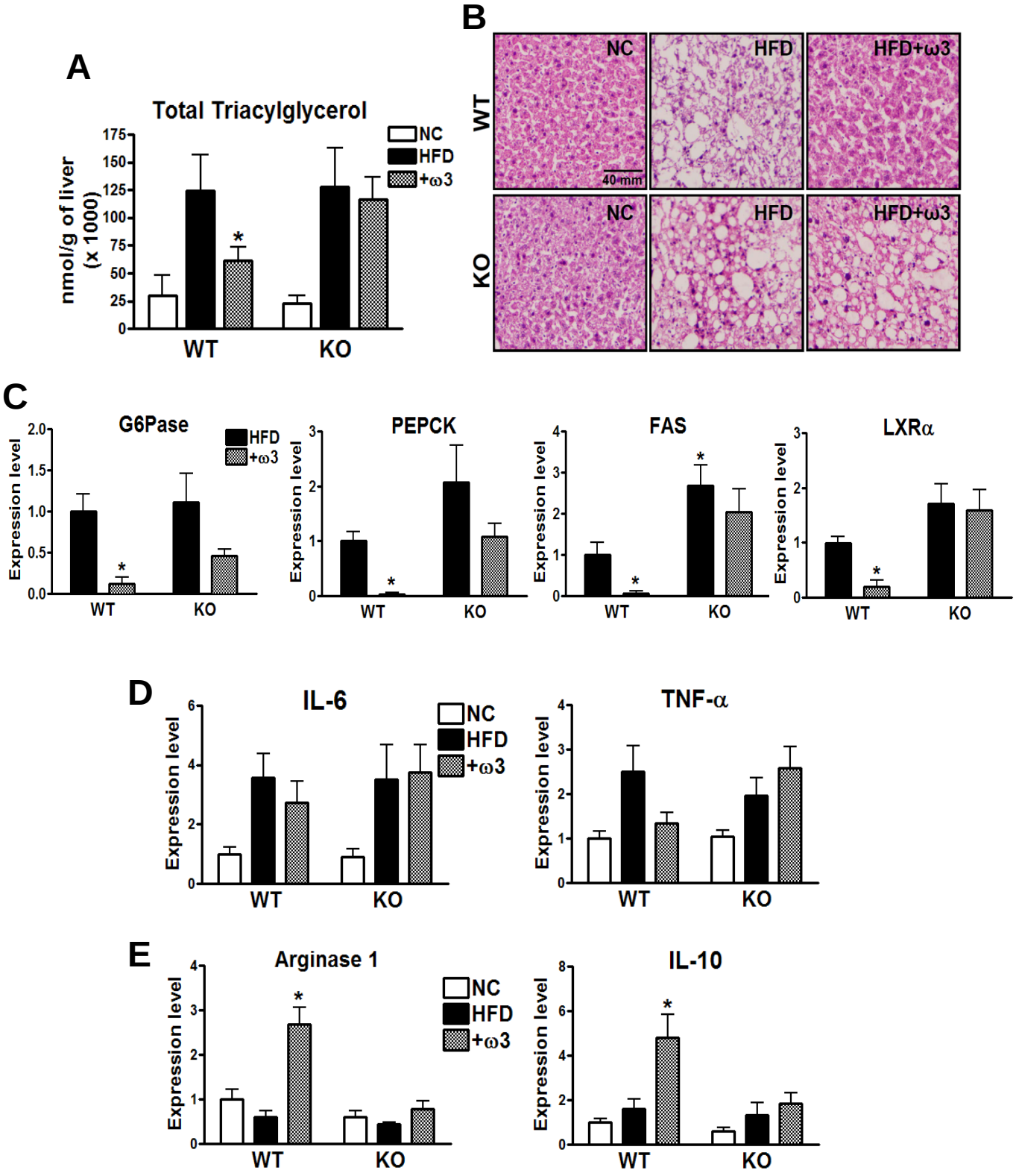
Supplemental Figure 4. Oh *et al*. --- related to Figure 5.



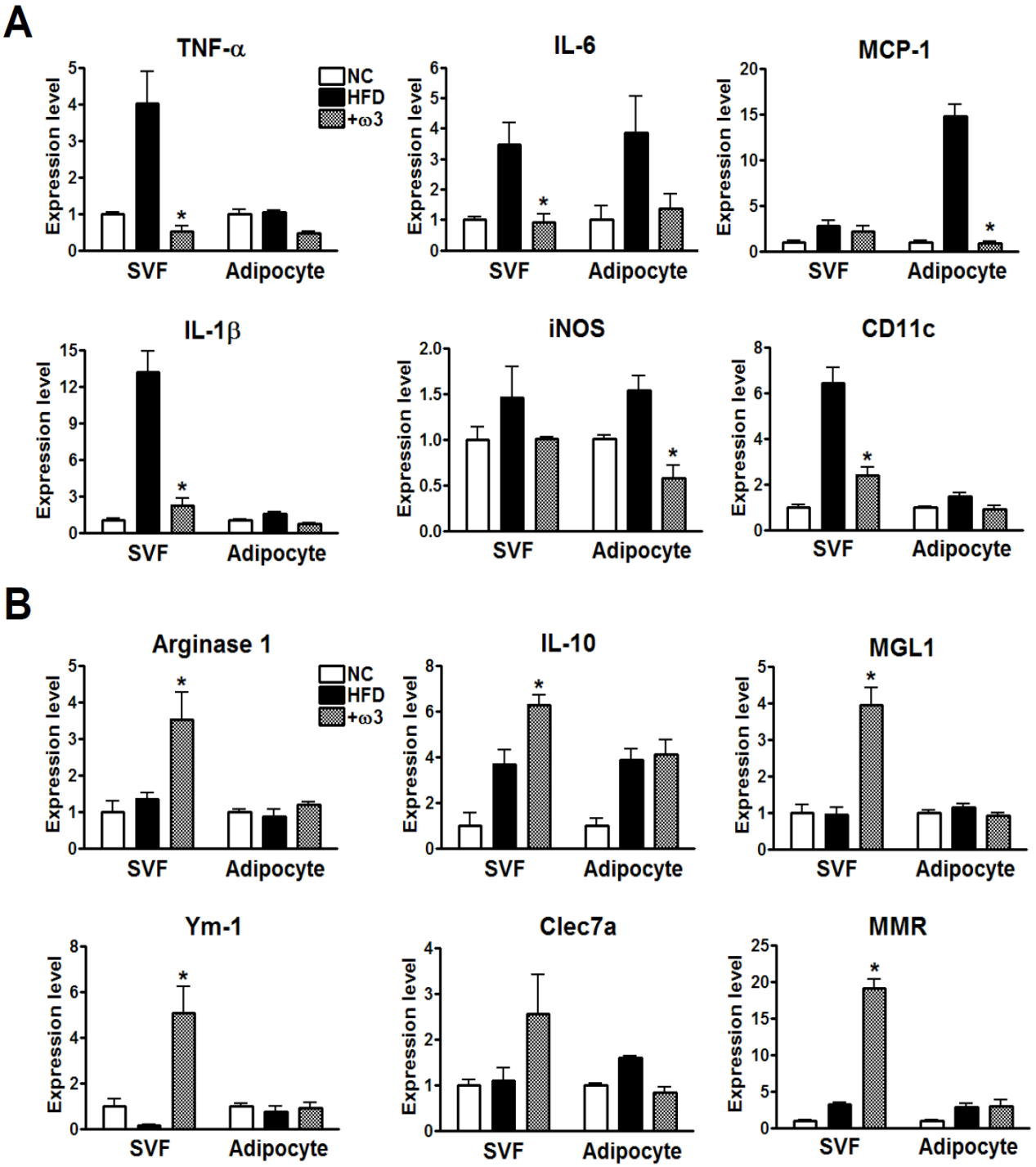
Supplemental Figure 5. Oh *et al*. --- related to Figure 5.



Supplemental Figure 6. Oh *et al*. --- related to Figure 5 and 7.



Supplemental Figure 7. Oh *et al*. --- related to Figure 7.



Supplemental Table 1. Oh *et al*.

Name	Primer Sequence
GPR40	F: 5'-GCTATTCCTGGGGTGTGTGT-3' R: 5'-CCCTGTGATGAGTCCCAACT-3'
GPR41	F: 5'-CTGCTCCTGCTCCTCTTC-3' R: 5'-CCAGGCGACTGTAGCAGTA-3'
GPR43	F: 5'-GGCTTCTACAGCAGCATCTA-3' R: 5'-AAGCACACCAGGAAATTAAG-3'
GPR84	F: 5'-TCCAATTCTGTCTCCATCCT-3' R: 5'-CTGACTGGCTCAGATGAAA-3'
GPR120	F: 5'-CCATCCCTCTAGTGCTCGTC-3' R: 5'-TGCGGAAGAGTCGGTAGTCT-3'
RPS3	F: 5'-ATCAGAGAGTTGACCGCAGTTG-3' R: 5'-AATGAACCGAAGCACACCATAG-3'
TNF-α	F: 5'-GCCACCACGCTCTTCTGCCT-3' R: 5'-GGCTGATGGTGTGGGTGAGG-3'
IL-6	F: 5'-CCAGAGATACAAAGAAATGATGG-3' R: 5'-ACTCCAGAAGACCAGAGGAAAT-3'
MCP-1	F: 5'-TCTGGACCCATTCCTTCTTG-3' R: 5'-AGGTCCCTGTCATGCTTCTG-3'
IL-1β	F: 5'-AAATACCTGTGGCCTTGGGC-3' R: 5'-CTTGGGATCCACACTCTCCAG-3'
iNOS	F: 5'-AATCTTGGAGCGAGTTGTGG-3' R: 5'-CAGGAAGTAGGTGAGGGCTTG-3'
CD11c	F: 5'-ACGTCAGTACAAGGAGATGTTGGA-3' R: 5'-ATCCTATTGCAGAATGCTTCTTTACC-3'
Arginase 1	F: 5'-ATGGAAGAGACCTTCAGCTAC-3' R: 5'-GCTGTCTTCCCAAGAGTTGGG-3'
IL-10	F: 5'-CATGGCCCAGAAATCAAGGA-3' R: 5'-GGAGAAATCGATGACAGCGC-3'
MGL1	F: 5'-ATGATGTCTGCCAGAGAACC-3' R: 5'-ATCACAGATTTCAGCAACCTTA-3'

Continued….

Supplemental Table 1. Oh *et al*.

Name	Primer Sequence
Ym-1	F: 5'-GGGCATACCTTTATCCTGAG-3' R: 5'-CCACTGAAGTCATCCATGTC-3'
Clec7a	F: 5'-AGGTTTTTCTCAGTCTTGCCTTC-3' R: 5'-GGGAGCAGTGTCTCTTACTTCC-3'
MMR	F: 5'-CTCGTGGATCTCCGTGACAC-3' R: 5'-GCAAATGGAGCCGTCTGTGC-3'
G6Pase	F: 5'-GTTGAACCAGTCTCCGACCA-3' R: 5'-CGACTCGCTATCTCCAAGTGA-3'
PEPCK	F: 5'-CTGCATAACGGTCTGGACTTC-3' R: 5'--CAGCAACTGCCCGTACTCC-3'
FAS	F: 5'-GGAGGTGGTGATAGCCGGTAT-3' R: 5'-TGGGTAATCCATAGAGCCCAG-3'
ACC1	F: 5'-TAATGGGCTGCTTCTGTGACTC-3' R: 5'-CTCAATATCGCCATCAGTCTTG-3'
LXRα	F: 5'-GCTCTGCTCATTGCCATCAG-3' R: 5'-TGTTGCAGCCTCTCTACTTGG-3'
GAPDH	F: 5'-TCACCACCATGGAGAAGGC-3' R: 5'-GCTAAGCAGTTGGTGGTGCA-3'

Clec7a, C-type lectin domain family 7, member a; MMR, macrophage mannose receptor.

Supplemental Table 2. Oh *et al*. --- related to Figure 5.

Individual fatty acid content in the various lipid classes (nmol/g of liver sample)

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
WT :NC	CE	1079±318	146±22	85±23	330±114	6±3	46±7
	Cardiolipin	1046±174	510±154	388±28	915±89	11±2	402±203
	DAG	694±98	125±30	186±4	762±180	9±3	82±31
	FFA	910±153	293±20	112±20	530±69	7±1	115±27
	LYPC	600±228	171±46	40±18	156±62	5±2	58±19
	PC	10788±1648	3399±927	528±85	3482±862	86±27	3229±666
	PE	4862±1328	5987±1363	266±78	2054±526	19±6	6420±1884
	PS	616±168	1268±250	23±7	300±62	3±1	523±172
	TAG	9901±2706	723±168	2366±839	14240±3806	96±20	396±94

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
KO :NC	CE	1702±320	176±12	93±26	276±65	2±0.4	36±6
	Cardiolipin	951±125	606±117	254±44	890±148	15±1	411±52
	DAG	577±90	114±8	91±34	528±115	10±2	70±4
	FFA	833±125	254±19	64±21	339±49	7±1	77±10
	LYPC	293±15	187±5	7±2	51±3	1±0.3	56±5
	PC	10760± 544	4490±221	345±66	2435±109	87±12	3401±168
	PE	4346±277	6960±556	153±25	1636±108	14±2	6273±446
	PS	902±270	1924±235	27±9	292±67	5±2	801±130
	TAG	14337±4492	1233±664	3227±1275	16560±6067	224±15	586±97

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
WT :HFD	CE	1293±98	183±11	437±87	2252±303	6±1	191±13
	Cardiolipin	786±66	421±32	134±21	1213±113	19±1	500±28
	DAG	1689±403	189±23	181±45	2392±54	32±5	218±33
	FFA	971±106	182±6	83±18	965±172	13±2	238±41
	LYPC	393±75	250±13	8±3	76±11	2±0.2	138±6
	PC	9692±540	541±389	176±22	2512±180	87±9	7199±295
	PE	2156±140	444±333	58±9	1322±124	9±1	5658±313
	PS	392±23	1421±116	11±2	224±19	1±0.2	1274±105
	TAG	95051±22995	5463±1200	12968±3700	148220±39008	1784±520	7221±2125

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
KO :HFD	CE	1165±71	165±11	374±109	2048±447	7±1	212±16
	Cardiolipin	954±121	674±92	133±16	1311±165	23±3	786±109
	DAG	1639±432	198±25	145±34	2192±562	31±7	220±24
	FFA	910±57	187±13	65±4	865±62	12±1	240±20
	LYPC	390±52	263±19	6±2	76±8	2±0.4	144±13
	PC	9224±312	5599±444	146±7	2299±130	81±9	7588±526
	PE	1961±29	4099±223	51±2	1194±34	9±1	5100±154
	PS	404±9	1358±110	10±1	233±8	1±0.2	1227±43
	TAG	92932±28951	6421±1735	9855±2533	144137±49878	1707±446	7556±2025

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
WT :+ω3	CE	865±82	90±11	294±53	684±60	4±1	71±12
	Cardiolipin	1410±294	666±78	263±55	1251±276	14±4	322±88
	DAG	875±71	123±5	126±30	935±87	8±0.8	73±5
	FFA	854±61	150±8	67±15	418±33	4±0.2	81±6
	LYPC	525±34	199±12	14±3	67±3	1±0.1	66±4
	PC	13212±412	3750±289	385±60	2178±57	38±2	2474±210
	PE	3963±331	6397±763	152±30	1259±31	8±0.4	3478±415
	PS	673±17	1533±97	26±4	279±16	2±0.3	328±28
	TAG	34899±5385	3717±603	5067±1297	42842±7018	469±104	1602±385

	Lipid classes	Palmitic C16:0	Stearic C18:0	Palmitoleic C16:1n7	Oleic C18:1n9	γ-Linolenic C18:3n6	Arachidonic C20:4n6
KO :+ω3	CE	974±71	112±10	462±133	1413±500	5±0.7	85±12
	Cardiolipin	1376±142	1003±147	222±24	1198±105	14±3	502±107
	DAG	1000±239	144±17	143±46	1413±484	15±6	108±32
	FFA	839±147	152±8	71±21	590±220	5±3	82±60
	LYPC	523±70	220±13	15±5	78±10	2±0.3	56± 20
	PC	12206±537	4190±345	320±39	2452±218	37±13	2689±861
	PE	3818±425	7027±719	100±17	1272±128	9±1	4123±420
	PS	630±24	1645±106	21±4	278±41	2±0.4	648±271
	TAG	75375±15383	6127±768	8862±2180	113937±31584	1302±438	4999±1806

CE, cholesterol ester; DAG , diacylglycerol; FFA, free fatty acid; LYPC, lysophosphatidylcholine; PC, phosphatidylcholine; PE, phosphatitylethanolamine; PS, phosphatidylserine; TAG, triacylglycerol