

Supplemental Table 1: Effect of HFD on HDL composition in SHAM mice. **1)** Gene name of identified protein. **2)** Normalized spectra for SHAM-LFD mice $\times 10^4$. **3)** Normalized spectra for SHAM-HFD $\times 10^4$. **4)** Log_2 (rate of SHAM-HFD/rate of SHAM-LFD) **5)** quasi p-value. **6)** Protein name / description.

Supplemental Table 2: Effect of HFD on HDL composition in OVX mice. **1)** Gene name of identified protein. **2)** Normalized spectra for OVX-LFD mice $\times 10^4$. **3)** Normalized spectra for OVX-HFD mice $\times 10^4$. **4)** Log_2 (rate of OVX-HFD/rate of OVX-LFD). **5)** quasi p-value. **6)** Protein name / description.

Supplemental Table 3: Effect of OVX on HDL composition in LFD-fed mice. **1)** Gene name of identified protein **2)** Normalized spectra for SHAM-LFD mice $\times 10^4$. **3)** Normalized spectra for OVX-LFD mice $\times 10^4$. **4)** Log_2 (rate of OVX-LFD/rate of SHAM-LFD) **5)** quasi p-value. **6)** Protein name / description.

Supplemental Table 4: Effect of OVX on HDL composition in HFD-fed mice. **1)** Gene name of identified protein. **2)** Normalized spectra for SHAM-HFD mice $\times 10^4$. **3)** Normalized spectra for OVX-HFD mice $\times 10^4$. **4)** Log_2 (rate of OVX-HFD/rate of SHAM-HFD). **5)** quasi p-value. **6)** Protein name / description.

Supplemental Table 5: List of shared and unique proteins presented in the Venn Diagram (Fig 5).

1) Gene	2) SHAM-LFD	3) SHAM-HFD	4) log(<u>1/2</u>)	5) p-value	6) Description
Lipoprotein / Lipid Transport					
Apoa1	298.94	269.36	-0.15	0.63978	Apolipoprotein A-I
Apoa2	67.02	66.83	0.00	0.99149	Apolipoprotein A-II
Apoa4	116.68	147.08	0.33	0.01946	Apolipoprotein A-IV
Apoc1	1.93	1.46	-0.40	0.70796	Apolipoprotein C-I
Apoc2	6.27	18.09	1.53	0.03054	Apolipoprotein C-II
Apoc3	40.02	40.56	0.02	0.97107	Apolipoprotein C-III
Apoe	71.84	50.78	-0.50	0.46183	Apolipoprotein E
ApoM	2.41	1.17	-1.05	0.13981	Apolipoprotein M
Apob	0.96	2.63	1.45	0.15808	Apolipoprotein B
Binding Proteins/Transporters					
CETP PE	14.95	9.63	-0.63	0.42181	Cholesteryl ester transfer prot.
Pltp	0.48	1.75	1.86	0.12082	Phospholipid transfer protein
Rbp4	8.68	2.04	-2.09	0.05300	Retinol-binding protein 4
Cp	241.08	260.02	0.11	0.45519	Ceruloplasmin
Tf	647.54	658.65	0.02	0.82721	Serotransferrin
dpb	81.49	63.62	-0.36	0.06349	vitamin D binding Protein
Enzymes					
Pon1	14.95	16.93	0.18	0.66934	Serum paraoxonase 1
Pcyox1	0.96	1.46	0.60	0.35517	Prenylcysteine oxidase
Serpina1e	239.63	272.27	0.18	0.62779	Alpha-1-antitrypsin 1-5
F10	11.57	13.13	0.18	0.56775	Coagulation factor X
Acute Phase Response/Immune Response					
Saa4	6.27	7.00	0.16	0.78890	serum amyloid A-4 protein
Saa2	9.64	13.42	0.48	0.51514	serum amyloid A-2 protein
H2-Q10	24.11	36.48	0.60	0.05164	H-2 class I HC antigen
C3	685.63	632.97	-0.12	0.57927	Complement component 3
Orm2	160.56	211.28	0.40	0.36739	Alpha-1-acid glycoprotein 2
C5	160.56	211.28	-0.30	0.21089	Complement component 5
Other HDL Proteins					
Vtn	22.18	18.97	-0.23	0.57196	vitronectin
Kng1	155.26	108.27	-0.52	0.08393	Kininogen
Serpinc1	141.76	197.57	0.48	0.00727	antithrombin III
		white	no change		
		light green	significantly increased in SHAM-HFD		
		light blue	significantly decreased in SHAM-HFD		

Supplemental Table 1: Effect of HFD on HDL composition in SHAM mice.

1) Gene	2) OVX-LFD	3) OVX-HFD	4) log($\lambda_1\lambda_2$)	5) p-value	6) Description
Lipoprotein / Lipid Transport					
Apoa1	269.83	335.48	0.31	0.09464	Apolipoprotein A-I
Apoa2	31.10	144.37	2.21	0.00046	Apolipoprotein A-II
Apoa4	87.87	136.11	0.63	0.03284	Apolipoprotein A-IV
Apoc1	1.94	5.01	1.37	0.28963	Apolipoprotein C-I
Apoc2	2.72	26.99	3.31	0.00907	Apolipoprotein C-II
Apoc3	12.83	41.58	1.70	0.00860	Apolipoprotein C-III
Apoe	42.77	53.38	0.32	0.45907	Apolipoprotein E
ApoM	1.17	2.36	1.02	0.27345	Apolipoprotein M
Apob	3.89	4.13	0.09	0.89443	Apolipoprotein B
Binding Proteins/Transporters					
CETP PE	8.16	13.71	0.75	0.23775	Cholesteryl ester transfer prot.
Rbp4	12.44	7.96	-0.64	0.35274	Retinol-binding protein 4
Cp	269.83	237.27	-0.19	0.21064	Ceruloplasmin
Tf	731.34	571.42	-0.36	0.07013	Serotransferrin
dpb	50.16	63.85	0.35	0.19213	vitamin D binding Protein
Enzymes					
Pon1	14.39	21.82	0.60	0.05689	Serum paraoxonase 1
Serpina1e	161.35	284.31	0.82	0.01466	Alpha-1-antitrypsin 1-5
F10	9.72	11.06	0.19	0.52969	Coagulation factor X
Sod1	3.89	6.64	0.77	0.15936	Superoxide dismutase
Acute Phase Response/Immune Response					
Saa4	10.11	14.89	0.56	0.06875	serum amyloid A-4 protein
Saa2	8.94	16.96	0.92	0.25943	serum amyloid A-2 protein
H2-Q10	1.17	2.51	1.10	0.31839	H-2 class I HC antigen
C3	595.65	694.41	0.22	0.20073	Complement component 3
Orm2	131.03	194.06	0.57	0.24231	Alpha-1-acid glycoprotein 2
C5	48.21	58.10	0.27	0.24874	Complement component 5
Other HDL Proteins					
Vtn	11.28	20.06	0.83	0.00126	vitronectin
Kng1	219.67	101.46	-1.11	0.00058	Kininogen
Serpinc1	79.32	134.05	0.76	0.02076	antithrombin III
		white	no change		
		light green	significantly increased in OVX-HFD		
		light blue	significantly decreased in OVX-HFD		

Supplemental Table 2: Effect of HFD on HDL composition in OVX mice.

1) Gene	2) Sham-LFD	3) OVX-LFD	4) log(λ_1/λ_2)	5) p-value	6) Description
Lipoprotein / Lipid Transport					
Apoa1	298.94	269.83	-0.15	0.57122	Apolipoprotein A-I
Apoa2	67.02	31.10	-1.11	0.02883	Apolipoprotein A-II
Apoa4	116.68	87.87	-0.41	0.15440	Apolipoprotein A-IV
Apoc1	1.93	1.94	0.01	0.99421	Apolipoprotein C-I
Apoc2	6.27	2.72	-1.20	0.42863	Apolipoprotein C-II
Apoc3	40.02	12.83	-1.64	0.13121	Apolipoprotein C-III
Apoe	71.84	42.77	-0.75	0.36490	Apolipoprotein E
ApoM	2.41	1.17	-1.05	0.47014	Apolipoprotein M
Apob	0.96	3.89	2.01	0.13569	Apolipoprotein B
Binding Proteins/Transporters					
CETP PE	14.95	8.16	-0.87	0.19878	Cholesteryl ester transfer prot.
Rbp4	8.68	12.44	0.52	0.51683	Retinol-binding protein 4
Cp	241.08	269.83	0.16	0.32198	Ceruloplasmin
Tf	647.54	731.34	0.18	0.60625	Serotransferrin
dpb	81.49	50.16	-0.70	0.08657	vitamin D binding Protein
Enzymes					
Pon1	14.95	14.39	-0.06	0.92275	Serum paraoxonase 1
Serpina1e	239.63	161.35	-0.57	0.34242	Alpha-1-antitrypsin 1-5
F10	11.57	9.72	-0.25	0.25767	Coagulation factor X
Sod1	4.34	3.89	-0.16	0.77328	Superoxide dismutase
Acute Phase Response/Immune Response					
Saa4	6.27	10.11	0.69	0.19700	serum amyloid A-4 protein
Saa2	9.64	8.94	-0.11	0.84516	serum amyloid A-2 protein
H2-Q10	2.41	1.17	-1.05	0.38485	H-2 class I HC antigen
C3	685.63	595.65	-0.20	0.49863	Complement component 3
Orm2	160.56	131.03	-0.29	0.75467	Alpha-1-acid glycoprotein 2
C5	54.97	48.21	-0.19	0.55641	Complement component 5
Other HDL Proteins					
Vtn	22.18	11.28	-0.98	0.00727	vitronectin
Kng1	155.26	219.67	0.50	0.25725	Kininogen
Serpinc1	141.76	79.32	-0.84	0.05427	antithrombin III
		white	no change		
		light green	significantly increased in OVX-LFD		
		light blue	significantly decreased in OVX-LFD		

Supplemental Table 3: Effect of OVX on HDL composition in LFD-fed mice.

1) Gene	2) Sham-HFD	3) OVX-HFD	4) log(λ 1 λ 2)	5) p-value	6) Description
Lipoprotein / Lipid Transport					
Apoa1	269.36	335.48	0.32	0.11366	Apolipoprotein A-I
Apoa2	66.83	144.37	1.11	0.00575	Apolipoprotein A-II
Apoa4	147.08	136.11	-0.11	0.54012	Apolipoprotein A-IV
Apoc1	9.92	0.74	1.78	0.12463	Apolipoprotein C-I
Apoc2	18.09	26.99	0.58	0.26879	Apolipoprotein C-II
Apoc3	40.56	41.58	0.04	0.90899	Apolipoprotein C-III
ApoE	50.78	53.38	0.07	0.84527	Apolipoprotein E
ApoM	1.17	2.36	1.02	0.10402	Apolipoprotein M
ApoB	2.63	4.13	0.65	0.28864	Apolipoprotein B
Binding Proteins/Transporters					
CETP PE	9.63	13.71	0.51	0.39197	Cholesteryl ester transfer prot.
Rbp4	2.04	7.96	1.96	0.05342	Retinol-binding protein 4
Cp	260.02	237.27	-0.13	0.31110	Ceruloplasmin
Tf	658.65	571.42	-0.20	0.03676	Serotransferrin
dpb	63.62	63.85	0.01	0.97581	vitamin D binding Protein
Enzymes					
Pon1	16.93	21.82	0.37	0.11478	Serum paraoxonase 1
Pcyox1	1.46	1.33	-0.14	0.88101	Prenylcysteine oxidase
Serpina1e	272.27	284.31	0.06	0.74775	Alpha-1-antitrypsin 1-5
F10	13.13	11.06	-0.25	0.36516	Coagulation factor X
Sod1	4.96	6.64	0.42	0.32289	Superoxide dismutase
Acute Phase Response/Immune Response					
Saa4	7.00	14.89	1.09	0.00459	serum amyloid A-4 protein
Saa2	13.42	16.96	0.34	0.60895	serum amyloid A-2 protein
H2-Q10	0.29	2.51	3.10	0.03760	H-2 class I HC antigen
C3	632.97	694.41	0.13	0.30218	Complement component 3
Orm2	211.28	194.06	-0.12	0.60861	Alpha-1-acid glycoprotein 2
C5	44.65	58.10	0.38	0.05786	Complement component 5
Other					
Vtn	18.97	20.06	0.08	0.73091	vitronectin
Kng1	108.27	101.46	-0.09	0.59785	Kininogen
Serpinc1	197.57	134.05	-0.56	0.00499	antithrombin III
		white	no change		
		light green	significantly increased in OVX-HFD		
		light blue	significantly decreased in OVX-HFD		

Supplemental Table 4: Effect of OVX on HDL composition in HFD-fed mice.

Supplemental Table 5: List of shared and unique proteins presented in the Venn Diagram, Figure 5 in main text

Elements only in "SHAM-LFD":

g|1258645100|ref|NP_001158262.1|-secretogranin-3 isoform 2 precursor [Mus musculus]
g|6677867|ref|NP_033156.1|-secretogranin-3 isoform 1 precursor [Mus musculus]
g|9910582|ref|NP_064365.1|-testis-expressed protein 101 precursor [Mus musculus]

Elements only in "SHAM-HFD":

g|124248484|ref|NP_035988.2|-teneurin-4 [Mus musculus]
g|7242187|ref|NP_035305.1|-legumain precursor [Mus musculus]
g|12963569|ref|NP_075689.1|-protein phosphatase 1 regulatory subunit 7 [Mus musculus]
g|189458800|ref|NP_032409.3|-centrosome-associated protein CEP250 isoform 1 [Mus musculus]
g|189458802|ref|NP_796191.2|-centrosome-associated protein CEP250 isoform 1 [Mus musculus]
g|194018503|ref|NP_001123472.1|-centrosome-associated protein CEP250 isoform 3 [Mus musculus]
g|194097345|ref|NP_001123471.1|-centrosome-associated protein CEP250 isoform 2 [Mus musculus]
g|254039627|ref|NP_001156800.1|-RNA-binding Raly-like protein isoform a [Mus musculus]
g|254039629|ref|NP_001156801.1|-RNA-binding Raly-like protein isoform b [Mus musculus]
g|283436085|ref|NP_851289.2|-coiled-coil domain-containing protein 79 [Mus musculus]
g|30519977|ref|NP_848746.1|-RNA-binding Raly-like protein isoform a [Mus musculus]
g|52138546|ref|NP_001004366.1|-signal peptide, CUB and EGF-like domain-containing protein 3 precursor [Mus musculus]
g|6679509|ref|NP_032979.1|-Psp [Mus musculus]

Common elements in "OVX-LFD" and "HFD-OVX":

g|158853992|ref|NP_075608.2|-alpha-enolase [Mus musculus]
g|309265176|ref|XP_003086460.1|-PREDICTED: alpha-enolase-like isoform 7 [Mus musculus]
g|309265178|ref|XP_003086461.1|-PREDICTED: alpha-enolase-like isoform 8 [Mus musculus]
g|309265180|ref|XP_003086459.1|-PREDICTED: alpha-enolase-like isoform 6 [Mus musculus]
g|309265182|ref|XP_003086454.1|-PREDICTED: alpha-enolase-like isoform 1 [Mus musculus]
g|309265184|ref|XP_003086455.1|-PREDICTED: alpha-enolase-like isoform 2 [Mus musculus]
g|309265186|ref|XP_003086458.1|-PREDICTED: alpha-enolase-like isoform 5 [Mus musculus]
g|309265188|ref|XP_003086457.1|-PREDICTED: alpha-enolase-like isoform 4 [Mus musculus]
g|309265757|ref|XP_003086596.1|-PREDICTED: alpha-enolase-like [Mus musculus]
g|70794816|ref|NP_001020559.1|-hypothetical protein LOC433182 [Mus musculus]
g|209862931|ref|NP_001129534.1|-beta-enolase isoform 2 [Mus musculus]
g|6679651|ref|NP_031959.1|-beta-enolase isoform 1 [Mus musculus]
g|257743039|ref|NP_001129541.2|-L-lactate dehydrogenase A chain isoform 2 [Mus musculus]
g|6754524|ref|NP_034829.1|-L-lactate dehydrogenase A chain isoform 1 [Mus musculus]
g|226958349|ref|NP_033441.2|-triosephosphate isomerase [Mus musculus]
g|7305395|ref|NP_038660.1|-purine nucleoside phosphorylase [Mus musculus]
g|21450291|ref|NP_659152.1|-fructose-bisphosphate aldolase B [Mus musculus]
g|237757318|ref|NP_001025148.3|-complement factor H-related protein C isoform 1 [Mus musculus]
g|237757322|ref|NP_001153775.1|-complement factor H-related protein C isoform 2 [Mus musculus]
g|83921618|ref|NP_033536.2|-ezrin [Mus musculus]
g|226874906|ref|NP_033562.3|-14-3-3 protein epsilon [Mus musculus]
g|153792131|ref|NP_038659.2|-pyruvate kinase isozymes R/L isoform 1 [Mus musculus]
g|153792772|ref|NP_001093249.1|-pyruvate kinase isozymes R/L isoform 2 [Mus musculus]
g|7106439|ref|NP_035785.1|-tubulin beta-5 chain [Mus musculus]
g|40556608|ref|NP_032328.2|-heat shock protein HSP 90-beta [Mus musculus]
g|33859482|ref|NP_031933.1|-elongation factor 2 [Mus musculus]
g|6680836|ref|NP_031617.1|-calreticulin precursor [Mus musculus]
g|268836255|ref|NP_573461.2|-glycogen phosphorylase, liver form [Mus musculus]
g|9910486|ref|NP_064316.1|-platelet factor 4 precursor [Mus musculus]
g|31982260|ref|NP_032368.2|-insulin-like growth factor-binding protein 2 precursor [Mus musculus]
g|6677837|ref|NP_033140.1|-protein S100-A9 [Mus musculus]
g|109638747|ref|NP_001035916.1|-alpha-synuclein [Mus musculus]
g|6678047|ref|NP_033247.1|-alpha-synuclein [Mus musculus]
g|110625656|ref|NP_035180.2|-programmed cell death protein 4 [Mus musculus]
g|270309159|ref|NP_001161963.1|-programmed cell death protein 4 [Mus musculus]
g|270309161|ref|NP_001161964.1|-programmed cell death protein 4 [Mus musculus]
g|240120112|ref|NP_034306.2|-fumarylacetoacetate [Mus musculus]
g|112293266|ref|NP_032326.3|-heat shock 70 kDa protein 4 [Mus musculus]
g|13386054|ref|NP_080828.1|-actin-related protein 2/3 complex subunit 4 isoform 1 [Mus musculus]
g|170172562|ref|NP_032897.2|-plasminogen activator inhibitor 1 precursor [Mus musculus]
g|162139827|ref|NP_032641.2|-NADP-dependent malic enzyme isoform 1 [Mus musculus]
g|262263372|ref|NP_057870.3|-adenosylhomocysteinase [Mus musculus]
g|45597447|ref|NP_035564.1|-superoxide dismutase [Cu-Zn] [Mus musculus]

Elements only in "OVX-LFD":

g|6671762|ref|NP_031736.1|-creatine kinase M-type [Mus musculus]
g|147679082|ref|NP_067447.2|-ribonuclease 4 precursor [Mus musculus]
g|147679097|ref|NP_957691.1|-ribonuclease 4 precursor [Mus musculus]
g|70778976|ref|NP_032854.2|-phosphoglycerate kinase 1 [Mus musculus]
g|6680832|ref|NP_031615.1|-calmodulin [Mus musculus]
g|6680834|ref|NP_031616.1|-calmodulin [Mus musculus]
g|6753244|ref|NP_033920.1|-calmodulin [Mus musculus]
g|6754976|ref|NP_035164.1|-peroxiredoxin-1 [Mus musculus]
g|1227330633|ref|NP_082408.3|-phosphoglucomutase-1 [Mus musculus]
g|164519050|ref|NP_032720.2|-neutrophilic granule protein [Mus musculus]
g|31982030|ref|NP_598557.3|-rho GDP-dissociation inhibitor 1 [Mus musculus]
g|160298209|ref|NP_034454.2|-aspartate aminotransferase, cytoplasmic [Mus musculus]
g|6678674|ref|NP_032518.1|-L-lactate dehydrogenase B chain [Mus musculus]
g|10946574|ref|NP_067248.1|-creatine kinase B-type [Mus musculus]
g|255759941|ref|NP_001157589.1|-serpin B6 isoform a [Mus musculus]

Elements only in "HFD-OVX":

g|149273202|ref|XP_001476757.1|-PREDICTED: glyceraldehyde-3-phosphate dehydrogenase-like isoform 2 [Mus musculus]
g|6679937|ref|NP_032110.1|-glyceraldehyde-3-phosphate dehydrogenase [Mus musculus]
g|172534792|ref|NP_084127.2|-cytoplasmic dynein 2 heavy chain 1 [Mus musculus]
g|144953885|ref|NP_757342.2|-suprabasin isoform 1 [Mus musculus]
g|13386452|ref|NP_084358.1|-histone H2B type 3-A [Mus musculus]
g|160420308|ref|NP_835509.2|-histone H2B type 1-P [Mus musculus]
g|160420310|ref|NP_001091448.2|-H2b histone family, member A [Mus musculus]
g|160420312|ref|NP_001104025.1|-predicted gene 11277 [Mus musculus]
g|28316760|ref|NP_783595.1|-histone H2B type 1-B [Mus musculus]
g|294997245|ref|NP_001171124.1|-histone H2B type 1-C/E/G [Mus musculus]
g|30061377|ref|NP_835503.1|-histone H2B type 1-C/E/G [Mus musculus]
g|30061381|ref|NP_835505.1|-histone H2B type 1-F/J/L [Mus musculus]
g|30061383|ref|NP_835502.1|-histone H2B type 1-F/J/L [Mus musculus]
g|30061385|ref|NP_835507.1|-histone H2B type 1-M [Mus musculus]
g|30061387|ref|NP_835504.1|-histone H2B type 1-H [Mus musculus]
g|30061389|ref|NP_835506.1|-histone H2B type 1-F/J/L [Mus musculus]
g|30061395|ref|NP_835508.1|-histone H2B type 1-F/J/L [Mus musculus]
g|30089704|ref|NP_783596.1|-histone H2B type 1-K [Mus musculus]
g|30089706|ref|NP_835501.1|-histone H2B type 1-C/E/G [Mus musculus]
g|146049029|ref|NP_996765.1|-histone H2B type 3-B [Mus musculus]
g|68131547|ref|NP_075911.2|-histone H2B type 1-C/E/G [Mus musculus]
g|68226431|ref|NP_835586.2|-histone H2B type 2-E [Mus musculus]

g| 68226433|ref|NP_783597.2|-histone H2B type 2-B [Mus musculus]
g| 7305247|ref|NP_038618.1|-lysozyme C-1 precursor [Mus musculus]
g| 6679813|ref|NP_032055.1|-vascular endothelial growth factor receptor 3 precursor [Mus musculus]
g| 6671501|ref|NP_031411.1|-apolipoprotein C-IV precursor [Mus musculus]
g| 114520600|ref|NP_034414.2|-growth hormone receptor isoform 1 precursor [Mus musculus]
g| 124286805|ref|NP_031598.2|-complement C1q subcomponent subunit A precursor [Mus musculus]
g| 23956222|ref|NP_076224.1|-actin-related protein 3 [Mus musculus]
g| 11230802|ref|NP_068695.1|-alpha-actinin-4 [Mus musculus]
g| 225543434|ref|NP_766267.2|-fragile site-associated protein [Mus musculus]
g| 31982755|ref|NP_035831.2|-vimentin [Mus musculus]
g| 7305453|ref|NP_038678.1|-protein S100-A8 [Mus musculus]
g| 160333381|ref|NP_032637.3|-neutrophil collagenase precursor [Mus musculus]
g| 176866245|ref|NP_291030.2|-sodium-driven chloride bicarbonate exchanger [Mus musculus]
g| 22128627|ref|NP_666238.1|-sorbitol dehydrogenase [Mus musculus]
g| 13195690|ref|NP_077239.1|-ubiquitin-40S ribosomal protein S27a [Mus musculus]
g| 15082218|ref|NP_083545.1|-secreted phosphoprotein 24 precursor [Mus musculus]
g| 157671923|ref|NP_062613.3|-polyubiquitin-C [Mus musculus]
g| 158937312|ref|NP_038588.2|-heat shock protein beta-1 [Mus musculus]
g| 172072643|ref|NP_057887.2|-reversion-inducing cysteine-rich protein with Kazal motifs precursor [Mus musculus]
g| 291327510|ref|NP_083177.2|-myosin XVIIIb [Mus musculus]
g| 6755919|ref|NP_035794.1|-polyubiquitin-B [Mus musculus]
g| 76443694|ref|NP_001029037.1|-ubiquitin-40S ribosomal protein S27a [Mus musculus]
g| 9845265|ref|NP_063936.1|-ubiquitin-60S ribosomal protein L40 [Mus musculus]
g| 226958505|ref|NP_808257.2|-serine/threonine-protein kinase ULK4 [Mus musculus]
g| 7106355|ref|NP_032613.1|-tyrosine-protein kinase Mer precursor [Mus musculus]
g| 6680840|ref|NP_031620.1|-calumenin isoform 1 [Mus musculus]
g| 124517663|ref|NP_034860.2|-annexin A1 [Mus musculus]
g| 71896653|ref|NP_082534.2|-zinc finger protein DZIP1L [Mus musculus]

Common elements in "SHAM-HFD" and "OVX-LFD":

g| 84042523|ref|NP_001033581.1|-lysosomal protective protein isoform b [Mus musculus]
g| 84042525|ref|NP_032932.2|-lysosomal protective protein isoform a [Mus musculus]
g| 126723006|ref|NP_032535.2|-lipoprotein lipase precursor [Mus musculus]
g| 226423933|ref|NP_034060.2|-collagen alpha-1(III) chain precursor [Mus musculus]
g| 209862989|ref|NP_001129557.1|-ubiquitin-like modifier-activating enzyme 1 isoform 2 [Mus musculus]
g| 34328049|ref|NP_032517.1|-neutrophil gelatinase-associated lipocalin precursor [Mus musculus]
g| 6678483|ref|NP_033483.1|-ubiquitin-like modifier-activating enzyme 1 isoform 1 [Mus musculus]
g| 19526986|ref|NP_598529.1|-argininosuccinate lyase [Mus musculus]
g| 225735645|ref|NP_035309.3|-sulfated glycoprotein 1 isoform B preproprotein [Mus musculus]
g| 225735649|ref|NP_001139592.1|-sulfated glycoprotein 1 isoform A preproprotein [Mus musculus]
g| 225735651|ref|NP_001139593.1|-sulfated glycoprotein 1 isoform C preproprotein [Mus musculus]
g| 225735653|ref|NP_001139594.1|-sulfated glycoprotein 1 isoform D preproprotein [Mus musculus]
g| 225735655|ref|NP_001139595.1|-sulfated glycoprotein 1 isoform E preproprotein [Mus musculus]
g| 84871986|ref|NP_032186.2|-glutathione peroxidase 1 [Mus musculus]
g| 153791547|ref|NP_035206.2|-multidrug resistance protein 3 [Mus musculus]
g| 254281348|ref|NP_034022.2|-chitinase-3-like protein 3 precursor [Mus musculus]
g| 254540027|ref|NP_032644.3|-malate dehydrogenase, cytoplasmic [Mus musculus]

Common elements in "OVX-LFD" and "HFD-OVX":

g| 158853992|ref|NP_075608.2|-alpha-enolase [Mus musculus]
g| 309265176|ref|XP_003086460.1|-PREDICTED: alpha-enolase-like isoform 7 [Mus musculus]
g| 309265178|ref|XP_003086461.1|-PREDICTED: alpha-enolase-like isoform 8 [Mus musculus]
g| 309265180|ref|XP_003086459.1|-PREDICTED: alpha-enolase-like isoform 6 [Mus musculus]
g| 309265182|ref|XP_003086454.1|-PREDICTED: alpha-enolase-like isoform 1 [Mus musculus]
g| 309265184|ref|XP_003086455.1|-PREDICTED: alpha-enolase-like isoform 2 [Mus musculus]
g| 309265186|ref|XP_003086458.1|-PREDICTED: alpha-enolase-like isoform 5 [Mus musculus]
g| 309265188|ref|XP_003086457.1|-PREDICTED: alpha-enolase-like isoform 4 [Mus musculus]
g| 309265757|ref|XP_003086596.1|-PREDICTED: alpha-enolase-like [Mus musculus]
g| 70794816|ref|NP_001020559.1|-hypothetical protein LOC433182 [Mus musculus]
g| 209862931|ref|NP_001129534.1|-beta-enolase isoform 2 [Mus musculus]
g| 6679651|ref|NP_031959.1|-beta-enolase isoform 1 [Mus musculus]
g| 257743039|ref|NP_001129541.2|-L-lactate dehydrogenase A chain isoform 2 [Mus musculus]
g| 6754524|ref|NP_034829.1|-L-lactate dehydrogenase A chain isoform 1 [Mus musculus]
g| 226958349|ref|NP_033441.2|-triosephosphate isomerase [Mus musculus]
g| 7305395|ref|NP_038660.1|-purine nucleoside phosphorylase [Mus musculus]
g| 21450291|ref|NP_659152.1|-fructose-bisphosphate aldolase B [Mus musculus]
g| 237757318|ref|NP_001025148.3|-complement factor H-related protein C isoform 1 [Mus musculus]
g| 237757322|ref|NP_001153775.1|-complement factor H-related protein C isoform 2 [Mus musculus]
g| 83921618|ref|NP_033536.2|-ezrin [Mus musculus]
g| 226874906|ref|NP_033562.3|-14-3-3 protein epsilon [Mus musculus]
g| 153792131|ref|NP_038659.2|-pyruvate kinase isozymes R/L isoform 1 [Mus musculus]
g| 153792772|ref|NP_001093249.1|-pyruvate kinase isozymes R/L isoform 2 [Mus musculus]
g| 7106439|ref|NP_035785.1|-tubulin beta-5 chain [Mus musculus]
g| 40556608|ref|NP_032328.2|-heat shock protein HSP 90-beta [Mus musculus]
g| 33859482|ref|NP_031933.1|-elongation factor 2 [Mus musculus]
g| 6680836|ref|NP_031617.1|-calreticulin precursor [Mus musculus]
g| 268836255|ref|NP_573461.2|-glycogen phosphorylase, liver form [Mus musculus]
g| 9910486|ref|NP_064316.1|-platelet factor 4 precursor [Mus musculus]
g| 31982260|ref|NP_032368.2|-insulin-like growth factor-binding protein 2 precursor [Mus musculus]
g| 6677837|ref|NP_033140.1|-protein S100-A9 [Mus musculus]
g| 109638747|ref|NP_001035916.1|-alpha-synuclein [Mus musculus]
g| 6678047|ref|NP_033247.1|-alpha-synuclein [Mus musculus]
g| 110625656|ref|NP_035180.2|-programmed cell death protein 4 [Mus musculus]
g| 270309159|ref|NP_001161963.1|-programmed cell death protein 4 [Mus musculus]
g| 270309161|ref|NP_001161964.1|-programmed cell death protein 4 [Mus musculus]
g| 240120112|ref|NP_034306.2|-fumarylacetoacetase [Mus musculus]
g| 112293266|ref|NP_032326.3|-heat shock 70 kDa protein 4 [Mus musculus]
g| 13386054|ref|NP_080828.1|-actin-related protein 2/3 complex subunit 4 isoform 1 [Mus musculus]
g| 170172562|ref|NP_032897.2|-plasminogen activator inhibitor 1 precursor [Mus musculus]
g| 162139827|ref|NP_032641.2|-NADP-dependent malic enzyme isoform 1 [Mus musculus]
g| 262263372|ref|NP_057870.3|-adenosylhomocysteinase [Mus musculus]
g| 45597447|ref|NP_035564.1|-superoxide dismutase [Cu-Zn] [Mus musculus]

Common elements in "SHAM-HFD", "OVX-LFD" and "HFD-OVX":

g| 6753332|ref|NP_033971.1|-monocyte differentiation antigen CD14 precursor [Mus musculus]
g| 255708471|ref|NP_001157531.1|-L-selectin isoform 2 [Mus musculus]
g| 6755454|ref|NP_035476.1|-L-selectin isoform 1 [Mus musculus]
g| 6753824|ref|NP_035942.1|-fibulin-5 precursor [Mus musculus]
g| 225007619|ref|NP_853627.2|-resistin-like gamma [Mus musculus]
g| 31543976|ref|NP_061359.2|-14-3-3 protein gamma [Mus musculus]
g| 33468855|ref|NP_032160.1|-glycosylation-dependent cell adhesion molecule 1 precursor [Mus musculus]
g| 160707996|ref|NP_067256.2|-cathepsin 5 preproprotein [Mus musculus]
g| 21389311|ref|NP_034623.1|-intercellular adhesion molecule 1 precursor [Mus musculus]
g| 149270456|ref|XP_001478454.1|-PREDICTED: cytochrome c, somatic-like isoform 2 [Mus musculus]
g| 170295823|ref|NP_035823.3|-vascular cell adhesion protein 1 precursor [Mus musculus]
g| 309267105|ref|XP_003086954.1|-PREDICTED: cytochrome c, somatic-like [Mus musculus]
g| 6681095|ref|NP_031834.1|-cytochrome c, somatic [Mus musculus]

g|111120329|ref|NP_031769.2|-collagen alpha-2(I) chain precursor [Mus musculus]
g|157951741|ref|NP_033934.2|-catalase [Mus musculus]
g|148747558|ref|NP_035693.3|-peroxiredoxin-2 [Mus musculus]
g|309265328|ref|XP_979506.2|-PREDICTED: alpha-fetoprotein, partial [Mus musculus]
g|309272159|ref|XP_891828.4|-PREDICTED: alpha-fetoprotein, partial [Mus musculus]
g|166235886|ref|NP_031825.2|-cathepsin E preproprotein [Mus musculus]
g|34328108|ref|NP_031768.2|-collagen alpha-1(I) chain precursor [Mus musculus]
g|6679731|ref|NP_032002.1|-coagulation factor V precursor [Mus musculus]
g|33859640|ref|NP_035658.1|-transaldolase [Mus musculus]
g|70778915|ref|NP_034963.2|-moesin [Mus musculus]

Common elements in "SHAM-LFD", "SHAM-HFD", "OVX-LFD" and "HFD-OVX":

g|163310765|ref|NP_033784.2|-serum albumin precursor [Mus musculus]
g|148747546|ref|NP_035588.2|-serine protease inhibitor A3K precursor [Mus musculus]
g|126518317|ref|NP_033908.2|-complement C3 [Mus musculus]
g|20330802|ref|NP_598738.1|-serotransferrin precursor [Mus musculus]
g|309266718|ref|XP_003086840.1|-PREDICTED: complement C3-like, partial [Mus musculus]
g|76881807|ref|NP_033270.3|-alpha-1-antitrypsin 1-2 precursor [Mus musculus]
g|6678085|ref|NP_033272.1|-alpha-1-antitrypsin 1-4 precursor [Mus musculus]
g|6678083|ref|NP_033271.1|-alpha-1-antitrypsin 1-3 [Mus musculus]
g|6678079|ref|NP_033269.1|-alpha-1-antitrypsin 1-1 precursor [Mus musculus]
g|309267120|ref|XP_003086957.1|-PREDICTED: serine protease inhibitor A3K-like [Mus musculus]
g|160333004|ref|NP_033822.2|-apolipoprotein A-I preproprotein [Mus musculus]
g|160358829|ref|NP_059067.2|-hemopexin precursor [Mus musculus]
g|31982171|ref|NP_032671.2|-muringlobulin-1 precursor [Mus musculus]
g|160333710|ref|NP_033279.2|-serine protease inhibitor A3M precursor [Mus musculus]
g|110347564|ref|NP_031778.2|-ceruloplasmin isoform b [Mus musculus]
g|6678087|ref|NP_033273.1|-alpha-1-antitrypsin 1-5 precursor [Mus musculus]
g|28916693|ref|NP_666232.2|-gelsolin precursor [Mus musculus]
g|226531069|ref|NP_001152771.1|-inter-alpha-trypsin inhibitor, heavy chain 4 isoform 2 [Mus musculus]
g|6679182|ref|NP_032794.1|-alpha-1-acid glycoprotein 1 precursor [Mus musculus]
g|6754950|ref|NP_035146.1|-alpha-1-acid glycoprotein 2 precursor [Mus musculus]
g|156231021|ref|NP_001095881.1|-kininogen-1 isoform 1 [Mus musculus]
g|257471003|ref|NP_032903.3|-plasminogen [Mus musculus]
g|130503031|ref|NP_033278.2|-serine protease inhibitor A3N precursor [Mus musculus]
g|18252782|ref|NP_543120.1|-antithrombin-III precursor [Mus musculus]
g|62548316|ref|NP_038651.2|-alpha-1-acid glycoprotein 3 precursor [Mus musculus]
g|7304875|ref|NP_038493.1|-alpha-2-HS-glycoprotein precursor [Mus musculus]
g|157951698|ref|NP_033910.2|-complement C4-B precursor [Mus musculus]
g|110347473|ref|NP_031494.2|-apolipoprotein A-IV precursor [Mus musculus]
g|218156289|ref|NP_032224.2|-complement factor B isoform 1 [Mus musculus]
g|309265692|ref|XP_922625.4|-PREDICTED: muringlobulin-1-like [Mus musculus]
g|309268554|ref|XP_001480324.2|-PREDICTED: muringlobulin-1-like [Mus musculus]
g|159110717|ref|NP_032433.2|-inter-alpha-trypsin inhibitor heavy chain H3 precursor [Mus musculus]
g|21313642|ref|NP_082194.1|-inhibitor of carbonic anhydrase [Mus musculus]
g|51172612|ref|NP_032122.1|-vitamin D-binding protein precursor [Mus musculus]
g|247269929|ref|NP_031980.2|-liver carboxylesterase N precursor [Mus musculus]
g|153945747|ref|NP_032672.2|-muringlobulin-2 precursor [Mus musculus]
g|6679383|ref|NP_032904.1|-alpha-2-antiplasmin precursor [Mus musculus]
g|163644329|ref|NP_033826.2|-apolipoprotein E precursor [Mus musculus]
g|7305599|ref|NP_038725.1|-transthyretin [Mus musculus]
g|157951676|ref|NP_038502.2|-apolipoprotein A-II precursor [Mus musculus]
g|160358825|ref|NP_038503.4|-beta-2-glycoprotein 1 precursor [Mus musculus]
g|110347406|ref|NP_031712.2|-complement factor I precursor [Mus musculus]
Cnrm_Q652C0|Q652C0_MOUSE-Kappa light chain C_region (Fragment) - Mus musculus (Mouse).
g|6754164|ref|NP_034536.1|-complement C5 preproprotein [Mus musculus]
g|126215532|ref|NP_035543.2|-sex-limited protein [Mus musculus]
g|124487013|ref|NP_001074841.1|-carboxylesterase 1B [Mus musculus]
g|6753798|ref|NP_034298.1|-prothrombin [Mus musculus]
g|214010170|ref|NP_038520.2|-clusterin precursor [Mus musculus]
g|226958456|ref|NP_444406.2|-histidine-rich glycoprotein [Mus musculus]
g|10947006|ref|NP_067539.1|-fetuin-B isoform 1 [Mus musculus]
g|144226227|ref|NP_001077374.1|-fetuin-B isoform 3 [Mus musculus]
g|15421856|ref|NP_075603.1|-apolipoprotein C-III precursor [Mus musculus]
g|22122667|ref|NP_666260.1|-complement component C8 alpha chain precursor [Mus musculus]
g|46560582|ref|NP_997538.1|-epidermal growth factor receptor isoform 1 [Mus musculus]
g|68131562|ref|NP_001020116.1|-sulfhydryl oxidase 1 isoform a [Mus musculus]
g|12963609|ref|NP_075757.1|-sulfhydryl oxidase 1 isoform b [Mus musculus]
g|6680856|ref|NP_031644.1|-corticosteroid-binding globulin precursor [Mus musculus]
g|309268896|ref|XP_003084761.1|-PREDICTED: hemoglobin subunit beta-1-like isoform 1 [Mus musculus]
g|309268898|ref|XP_003084763.1|-PREDICTED: hemoglobin subunit beta-1-like isoform 3 [Mus musculus]
g|309268900|ref|XP_003084764.1|-PREDICTED: hemoglobin subunit beta-1-like isoform 4 [Mus musculus]
g|309268902|ref|XP_003084762.1|-PREDICTED: hemoglobin subunit beta-1-like isoform 2 [Mus musculus]
g|31982300|ref|NP_032246.2|-hemoglobin subunit beta-1 [Mus musculus]
g|156231029|ref|NP_001095879.1|-kininogen 2 isoform 2 [Mus musculus]
g|163914390|ref|NP_033906.2|-plasma protease C1 inhibitor precursor [Mus musculus]
g|226874935|ref|NP_034712.2|-inter-alpha-trypsin inhibitor heavy chain H2 [Mus musculus]
g|7304867|ref|NP_038487.1|-complement factor D precursor [Mus musculus]
g|125347464|ref|NP_660128.2|-afamin precursor [Mus musculus]
g|124486702|ref|NP_001074536.1|-alpha-1B-glycoprotein precursor [Mus musculus]
Cnrm_P01868|IGHG1_MOUSE-Ig gamma-1 chain C region secreted form - Mus musculus (Mouse).
g|15375312|ref|NP_038513.1|-complement component C9 [Mus musculus]
Cnrm_P03987|GC3M_MOUSE-Ig gamma-3 chain C region, membrane-bound form - Mus musculus (Mouse).
Cnrm_P22436|GC3_MOUSE-Ig gamma-3 chain C region, secreted form - Mus musculus (Mouse).
g|6754132|ref|NP_034521.1|-H-2 class I histocompatibility antigen, Q10 alpha chain precursor [Mus musculus]
g|269973844|ref|NP_001161767.1|-serine protease inhibitor A3F [Mus musculus]
g|269973937|ref|NP_001028507.2|-serine protease inhibitor A3F [Mus musculus]
g|269973939|ref|NP_001161766.1|-serine protease inhibitor A3F [Mus musculus]
g|6671509|ref|NP_031419.1|-actin, cytoplasmic 1 [Mus musculus]
g|6752954|ref|NP_033739.1|-actin, cytoplasmic 2 [Mus musculus]
g|124249351|ref|NP_032432.2|-inter-alpha-trypsin inhibitor heavy chain H1 precursor [Mus musculus]
g|33563297|ref|NP_598643.1|-complement component C8 beta chain precursor [Mus musculus]
g|16418335|ref|NP_084072.1|-leucine-rich alpha-2-glycoprotein [Mus musculus]
g|148277054|ref|NP_659187.2|-complement C1s-A subcomponent [Mus musculus]
g|148277056|ref|NP_001091086.1|-complement C1s-A subcomponent [Mus musculus]
g|6755987|ref|NP_035837.1|-vitronectin precursor [Mus musculus]
g|236465805|ref|NP_032481.2|-plasma kallikrein precursor [Mus musculus]
g|226958497|ref|NP_035448.2|-serum amyloid P-component precursor [Mus musculus]
g|110735408|ref|NP_001036078.1|-selenoprotein P precursor [Mus musculus]
g|110735411|ref|NP_001036079.1|-selenoprotein P precursor [Mus musculus]
g|74271806|ref|NP_033181.3|-selenoprotein P precursor [Mus musculus]
g|7305235|ref|NP_038612.1|-leukemia inhibitory factor receptor isoform 1 precursor [Mus musculus]
g|113195684|ref|NP_034799.2|-keratin, type II cytoskeletal 6B [Mus musculus]
g|157951596|ref|NP_033931.4|-carbonic anhydrase 2 [Mus musculus]
g|111378397|ref|NP_032182.2|-phosphatidylinositol-glycan-specific phospholipase D [Mus musculus]
g|161377465|ref|NP_032249.3|-heparin cofactor 2 precursor [Mus musculus]
g|6681079|ref|NP_031824.1|-cathepsin B preproprotein [Mus musculus]

g|109627652|ref|NP_034018.2|-complement factor H [Mus musculus]
g|145301549|ref|NP_001077424.1|-hemoglobin alpha, adult chain 2 [Mus musculus]
g|145301578|ref|NP_032244.2|-hemoglobin subunit alpha [Mus musculus]
g|113461998|ref|NP_031454.3|-angiotensinogen [Mus musculus]
g|31981720|ref|NP_659083.2|-protein Z-dependent protease inhibitor precursor [Mus musculus]
g|31560677|ref|NP_032548.2|-lactoferrin precursor [Mus musculus]
g|261823995|ref|NP_035264.2|-serum paraoxonase/arylesterase 1 [Mus musculus]
sp|P47896|CETP_MACFA-Cholesteryl ester transfer protein OS=Macaca fascicularis GN=CETP PE=2 SV=1
g|162138926|ref|NP_031794.3|-C-reactive protein precursor [Mus musculus]
g|117606335|ref|NP_035470.3|-pigment epithelium-derived factor precursor [Mus musculus]
g|29789317|ref|NP_579935.1|-keratin, type II cytoskeletal 75 [Mus musculus]
g|114145561|ref|NP_112447.2|-keratin, type II cytoskeletal 8 [Mus musculus]
g|157951694|ref|NP_038512.2|-complement C2 precursor [Mus musculus]
Cntm_P01866|GCB_MOUSE-Ig gamma-2B chain C region secreted form - Mus musculus (Mouse).
Cntm_P01867|GCB_MOUSE-Ig gamma-2B chain C region, membrane-bound form - Mus musculus (Mouse).
Cntm_P01864|GCB_MOUSE-Ig gamma-2A chain C region secreted form - Mus musculus (Mouse).
g|110625994|ref|NP_031998.3|-coagulation factor X precursor [Mus musculus]
g|6677843|ref|NP_033143.1|-serum amyloid A-1 protein precursor [Mus musculus]
g|33563240|ref|NP_033736.1|-actin, alpha skeletal muscle [Mus musculus]
g|31982712|ref|NP_062749.2|-carboxypeptidase B2 precursor [Mus musculus]
g|112983636|ref|NP_034790.2|-keratin, type I cytoskeletal 10 [Mus musculus]
g|167555029|ref|NP_001104518.1|-fibrinogen, alpha polypeptide isoform 1 [Mus musculus]
g|33563252|ref|NP_034326.1|-fibrinogen, alpha polypeptide isoform 2 [Mus musculus]
g|160415217|ref|NP_038506.2|-zinc-alpha-2-glycoprotein precursor [Mus musculus]
g|6755394|ref|NP_035444.1|-serum amyloid A-2 protein precursor [Mus musculus]
g|110347469|ref|NP_031402.3|-alpha-2-macroglobulin precursor [Mus musculus]
g|14527179|ref|NP_001077398.1|-glutathione peroxidase 3 isoform 1 [Mus musculus]
g|15011841|ref|NP_032187.2|-glutathione peroxidase 3 isoform 2 [Mus musculus]
g|126116585|ref|NP_032499.2|-keratin, type II cytoskeletal 1 [Mus musculus]
g|16033372|ref|NP_032550.2|-lumican precursor [Mus musculus]
g|226958688|ref|NP_001152959.1|-retinol-binding protein 4 isoform 1 [Mus musculus]
g|33859612|ref|NP_035385.1|-retinol-binding protein 4 isoform 2 precursor [Mus musculus]
g|244791354|ref|NP_032516.2|-phosphatidylcholine-sterol acyltransferase precursor [Mus musculus]
g|31543942|ref|NP_033528.3|-vinculin [Mus musculus]
g|161086891|ref|NP_057913.2|-complement component 6 [Mus musculus]
g|171906584|ref|NP_067464.2|-coagulation factor XII [Mus musculus]
g|274321952|ref|NP_080588.3|-thyroxine-binding globulin precursor [Mus musculus]
g|31982258|ref|NP_032366.2|-insulin-like growth factor-binding protein complex acid labile subunit precursor [Mus musculus]
g|188219651|ref|NP_062320.2|-hepatocyte growth factor activator preproprotein [Mus musculus]
g|58037159|ref|NP_081338.1|-complement component C8 gamma chain precursor [Mus musculus]
g|85701680|ref|NP_001028349.1|-keratin, type II cytoskeletal 2 oral [Mus musculus]
g|164518925|ref|NP_075632.3|-complement C1r-A subcomponent precursor [Mus musculus]
g|31981890|ref|NP_033865.2|-beta-2-microglobulin precursor [Mus musculus]
g|19882203|ref|NP_598864.1|-interleukin-1 receptor accessory protein isoform b precursor [Mus musculus]
g|226693331|ref|NP_001152789.1|-interleukin-1 receptor accessory protein isoform c precursor [Mus musculus]
g|226693333|ref|NP_001152790.1|-interleukin-1 receptor accessory protein isoform d precursor [Mus musculus]
g|6680421|ref|NP_032390.1|-interleukin-1 receptor accessory protein isoform a precursor [Mus musculus]
g|6755398|ref|NP_035446.1|-serum amyloid A-4 protein precursor [Mus musculus]
g|31543113|ref|NP_032905.2|-platin-2 [Mus musculus]
g|190684696|ref|NP_033535.2|-villin-1 [Mus musculus]
g|219521935|ref|NP_001137161.1|-MHC class I like protein GS10 [Mus musculus]
g|13385306|ref|NP_080110.1|-vitamin K-dependent protein Z precursor [Mus musculus]
g|147904569|ref|NP_082180.2|-carboxypeptidase N subunit 2 [Mus musculus]
g|6753100|ref|NP_033825.1|-apolipoprotein C-II precursor [Mus musculus]
g|33859809|ref|NP_862897.1|-fibrinogen beta chain precursor [Mus musculus]
g|31981562|ref|NP_035229.2|-pyruvate kinase isozymes M1/M2 [Mus musculus]
Cntm_Q9DCD9|Q9DCD9_MOUSE-Adult male kidney cDNA, RIKEN full-length enriched library, clone:0610041A01 product:IG ALPHA CHAIN C REGION homolog - Mus musculus (Mouse).
g|22122613|ref|NP_666213.1|-hyaluronan-binding protein 2 [Mus musculus]
g|6680684|ref|NP_031469.1|-protein AMBP precursor [Mus musculus]
g|293597567|ref|NP_001170778.1|-fructose-bisphosphate aldolase A isoform 1 [Mus musculus]
g|293597569|ref|NP_001170779.1|-fructose-bisphosphate aldolase A isoform 2 [Mus musculus]
g|6671539|ref|NP_031464.1|-fructose-bisphosphate aldolase A isoform 2 [Mus musculus]
g|6680606|ref|NP_032497.1|-keratin, type I cytoskeletal 19 [Mus musculus]
g|224967112|ref|NP_112441.2|-coagulation factor XIII B chain [Mus musculus]
g|267844860|ref|NP_001161177.1|-serine protease inhibitor A3A precursor [Mus musculus]
g|190194418|ref|NP_076331.2|-desmoplakin [Mus musculus]
g|158635948|ref|NP_067294.2|-N-acetyl(muramoyl)-L-alanine amidase precursor [Mus musculus]
g|126723423|ref|NP_001032948.2|-macrophage colony-stimulating factor 1 receptor precursor [Mus musculus]
g|6755600|ref|NP_035565.1|-extracellular superoxide dismutase [Cu-Zn] precursor [Mus musculus]
g|309263192|ref|XP_909773.4|-PREDICTED: complement component C7 [Mus musculus]
g|309270498|ref|XP_356827.7|-PREDICTED: complement component C7 [Mus musculus]
g|114326449|ref|NP_032849.2|-properdin precursor [Mus musculus]
g|17647499|ref|NP_058652.1|-hemoglobin subunit beta-2 [Mus musculus]
g|6680806|ref|NP_031589.1|-bisphosphoglycerate mutase [Mus musculus]
g|164607147|ref|NP_666127.2|-EGF-containing fibulin-like extracellular matrix protein 1 precursor [Mus musculus]
g|30425250|ref|NP_780706.1|-beta-actin-like protein 2 [Mus musculus]
g|171184425|ref|NP_035736.2|-tetranectin precursor [Mus musculus]
g|19527078|ref|NP_598623.1|-fibrinogen gamma chain precursor [Mus musculus]
Cntm_P01845|LAC3_MOUSE-Ig lambda-3 chain C region - Mus musculus (Mouse).
g|148232950|ref|NP_061225.2|-plasma glutamate carboxypeptidase precursor [Mus musculus]
g|28570174|ref|NP_788262.1|-plasma glutamate carboxypeptidase precursor [Mus musculus]
g|46849812|ref|NP_034363.1|-fibronectin precursor [Mus musculus]
g|13384648|ref|NP_079571.1|-biotinidase [Mus musculus]
g|254675205|ref|NP_032269.3|-hepatocyte growth factor-like protein [Mus musculus]
g|7656969|ref|NP_056595.1|-complement factor H-related 1 [Mus musculus]
g|73661202|ref|NP_032005.1|-coagulation factor IX precursor [Mus musculus]
g|13507644|ref|NP_109628.1|-carboxypeptidase N catalytic chain precursor [Mus musculus]
g|30725720|ref|NP_849216.1|-hypothetical protein LOC98870 [Mus musculus]
g|112421010|ref|NP_032960.2|-vitamin K-dependent protein C [Mus musculus]
g|112421031|ref|NP_001036232.1|-vitamin K-dependent protein C [Mus musculus]
g|112421046|ref|NP_001036233.1|-vitamin K-dependent protein C [Mus musculus]
Cntm_P01843|LAC1_MOUSE-Ig lambda-1 chain C region - Mus musculus (Mouse).
g|262331536|ref|NP_663569.2|-fibrinogen-like protein 1 precursor [Mus musculus]
g|6678359|ref|NP_033414.1|-transketolase [Mus musculus]
g|6756041|ref|NP_035870.1|-14-3-3 protein zeta/delta [Mus musculus]
g|225543550|ref|NP_034302.2|-coagulation factor VII precursor [Mus musculus]
g|8850219|ref|NP_059066.1|-haptoglobin precursor [Mus musculus]
g|148277039|ref|NP_783327.2|-alpha-2-macroglobulin-P precursor [Mus musculus]
g|9055162|ref|NP_061286.1|-apolipoprotein M [Mus musculus]
g|6981086|ref|NP_034647.1|-insulin-like growth factor-binding protein 4 precursor [Mus musculus]
g|31981690|ref|NP_112442.2|-heat shock cognate 71 kDa protein [Mus musculus]
g|254750698|ref|NP_001157134.1|-nucleobindin-1 isoform 1 [Mus musculus]
g|309266677|ref|XP_003086828.1|-PREDICTED: hypothetical protein LOC100505002 [Mus musculus]
g|254540166|ref|NP_071705.3|-78 kDa glucose-regulated protein precursor [Mus musculus]
g|254540168|ref|NP_001156906.1|-78 kDa glucose-regulated protein precursor [Mus musculus]
g|194394234|ref|NP_001123931.1|-transcobalamin-2 precursor [Mus musculus]
g|194440742|ref|NP_001123930.1|-transcobalamin-2 precursor [Mus musculus]

g| 7657639|ref|NP_056564.1|-transcobalamin-2 precursor [Mus musculus]
g| 158517825|ref|NP_001103479.1|-apolipoprotein C-I precursor [Mus musculus]
g| 6680704|ref|NP_031495.1|-apolipoprotein C-I precursor [Mus musculus]
g| 77682555|ref|NP_035853.2|-xanthine dehydrogenase/oxidase [Mus musculus]
g| 255069715|ref|NP_077754.3|-cytosol aminopeptidase [Mus musculus]
g| 38490561|ref|NP_033998.2|-cadherin-5 precursor [Mus musculus]
g| 6678321|ref|NP_033395.1|-transforming growth factor-beta-induced protein ig-h3 precursor [Mus musculus]
g| 6753960|ref|NP_034396.1|-guanine deaminase [Mus musculus]
g| 122425580|ref|NP_083669.1|-keratin, type I cytoskeletal 24 [Mus musculus]
g| 11968166|ref|NP_071720.1|-cathepsin Z preproprotein [Mus musculus]
g| 54112422|ref|NP_001003893.1|-mannan-binding lectin serine protease 2 isoform 1 [Mus musculus]
g| 88196796|ref|NP_001034633.1|-major urinary protein 3 precursor [Mus musculus]
g| 47523977|ref|NP_998893.1|-keratin, type II cytoskeletal 72 [Mus musculus]
g| 161702988|ref|NP_033823.2|-apolipoprotein B precursor [Mus musculus]
g| 28395018|ref|NP_034723.1|-junction plakoglobin [Mus musculus]
g| 7657429|ref|NP_056599.1|-periostin [Mus musculus]
g| 42415475|ref|NP_035162.1|-protein disulfide-isomerase precursor [Mus musculus]
g| 6678788|ref|NP_032574.1|-mannosyl-oligosaccharide 1,2-alpha-mannosidase IA [Mus musculus]
g| 30519997|ref|NP_848760.1|-bleomycin hydrolase [Mus musculus]
g| 47271507|ref|NP_034934.2|-protein AF-10 [Mus musculus]
g| 31982147|ref|NP_775547.2|-GDH/6GL endoplasmic bifunctional protein [Mus musculus]
g| 295293144|ref|NP_001171256.1|-CD44 antigen isoform d precursor [Mus musculus]
g| 295293146|ref|NP_001171257.1|-CD44 antigen isoform e precursor [Mus musculus]
g| 295293148|ref|NP_001171258.1|-CD44 antigen isoform f precursor [Mus musculus]
g| 85540466|ref|NP_001034239.1|-CD44 antigen isoform b precursor [Mus musculus]
g| 85540468|ref|NP_001034240.1|-CD44 antigen isoform c precursor [Mus musculus]
g| 85540471|ref|NP_033981.2|-CD44 antigen isoform a precursor [Mus musculus]
g| 160358823|ref|NP_033820.2|-CD5 antigen-like precursor [Mus musculus]
g| 6681297|ref|NP_031945.1|-chymotrypsin-like elastase family member 2A precursor [Mus musculus]

Common elements in "SHAM-LFD" and "OVX-LFD":

g| 31543867|ref|NP_035724.2|-metalloproteinase inhibitor 2 precursor [Mus musculus]
g| 6753374|ref|NP_033994.1|-cadherin-1 [Mus musculus]

Common elements in "SHAM-LFD", "OVX-LFD" and "HFD-OVX":

g| 285403616|ref|NP_722487.2|-E3 ubiquitin-protein ligase TRAF7 isoform 3 [Mus musculus]
g| 285403618|ref|NP_001165584.1|-E3 ubiquitin-protein ligase TRAF7 isoform 1 [Mus musculus]
g| 133922588|ref|NP_001001892.2|-H-2 class I histocompatibility antigen, K-W28 alpha chain isoform 1 [Mus musculus]
g| 9256624|ref|NP_061358.1|-phosphoglycerate mutase 2 [Mus musculus]
g| 114326546|ref|NP_075907.2|-phosphoglycerate mutase 1 [Mus musculus]
g| 254553458|ref|NP_032181.2|-glucose-6-phosphate isomerase [Mus musculus]
Cnrm_P01872|MUC_MOUSE-Ig mu chain C region secreted form - Mus musculus (Mouse).
g| 160298213|ref|NP_034474.4|-glutathione reductase, mitochondrial precursor [Mus musculus]
g| 37700232|ref|NP_032730.1|-nucleoside diphosphate kinase A [Mus musculus]
g| 100815972|ref|NP_034411.2|-gamma-glutamyl hydrolase precursor [Mus musculus]
g| 111378400|ref|NP_032369.2|-insulin-like growth factor-binding protein 3 [Mus musculus]
g| 117606270|ref|NP_001070997.1|-nucleoside diphosphate kinase B [Mus musculus]
g| 6679078|ref|NP_032731.1|-nucleoside diphosphate kinase B [Mus musculus]
g| 82900057|ref|XP_485703.2|-PREDICTED: nucleoside diphosphate kinase B-like [Mus musculus]
g| 94375800|ref|XP_980967.1|-PREDICTED: nucleoside diphosphate kinase B-like [Mus musculus]

Common elements in "SHAM-LFD", "SHAM-HFD" and "HFD-OVX":

g| 309264248|ref|XP_003086233.1|-PREDICTED: dynein heavy chain 7, axonemal [Mus musculus]
g| 309267418|ref|XP_003084484.1|-PREDICTED: dynein heavy chain 7, axonemal [Mus musculus]
g| 160358795|ref|NP_001103968.1|-interferon alpha/beta receptor 2 isoform b precursor [Mus musculus]
g| 160358845|ref|NP_034639.2|-interferon alpha/beta receptor 2 isoform a precursor [Mus musculus]
g| 31560083|ref|NP_082497.2|-NEFA-interacting nuclear protein NIP30 [Mus musculus]
g| 170295832|ref|NP_031925.2|-extracellular matrix protein 1 precursor [Mus musculus]
g| 149252547|ref|XP_001472259.1|-PREDICTED: hypothetical protein LOC100039116 [Mus musculus]
g| 309268101|ref|XP_003084617.1|-PREDICTED: hypothetical protein LOC100039116 [Mus musculus]
g| 309268103|ref|XP_003084618.1|-PREDICTED: hypothetical protein LOC100039116 [Mus musculus]
g| 124487403|ref|NP_001074576.1|-helicase POLQ-like [Mus musculus]
g| 11596855|ref|NP_035768.1|-transferrin receptor protein 1 [Mus musculus]
g| 255918225|ref|NP_001157643.1|-myosin-6 [Mus musculus]
g| 6754774|ref|NP_034986.1|-myosin-6 [Mus musculus]
g| 165932341|ref|NP_291090.2|-chymotrypsin-like elastase family, member 1 [Mus musculus]
g| 6678902|ref|NP_032636.1|-72 kDa type IV collagenase precursor [Mus musculus]
g| 13385294|ref|NP_080099.1|-prenylcysteine oxidase precursor [Mus musculus]
g| 31980752|ref|NP_038765.2|-platelet-activating factor acetylhydrolase [Mus musculus]
g| 115430101|ref|NP_031602.3|-C4b-binding protein precursor [Mus musculus]
g| 46309455|ref|NP_035303.1|-vitamin K-dependent protein S precursor [Mus musculus]
g| 309264020|ref|XP_001474061.2|-PREDICTED: hypothetical protein LOC100045292 [Mus musculus]
g| 85701905|ref|NP_001028580.1|-RNA-binding protein 44 [Mus musculus]

Common elements in "SHAM-HFD" and "HFD-OVX":

g| 10946576|ref|NP_067249.1|-C-X-C motif chemokine 10 precursor [Mus musculus]
g| 6755112|ref|NP_035255.1|-phospholipid transfer protein precursor [Mus musculus]
g| 46559389|ref|NP_997507.1|-angiotensin-converting enzyme isoform 1 [Mus musculus]
g| 19527214|ref|NP_598757.1|-apolipoprotein N [Mus musculus]
g| 244792700|ref|NP_032763.2|-neuropilin-1 precursor [Mus musculus]
g| 236467129|ref|NP_081046.1|-cell growth regulator with EF hand domain protein 1 isoform 1 [Mus musculus]
g| 236467215|ref|NP_001153621.1|-cell growth regulator with EF hand domain protein 1 isoform 2 [Mus musculus]
g| 27229204|ref|NP_083112.1|-di-N-acetylchitinase [Mus musculus]
g| 93004085|ref|NP_032813.3|-pericentrin [Mus musculus]
g| 124486789|ref|NP_001074778.1|-phosphoinositide 3-kinase regulatory subunit 4 [Mus musculus]
g| 6996913|ref|NP_031611.1|-annexin A2 [Mus musculus]
g| 6753556|ref|NP_034113.1|-cathepsin D precursor [Mus musculus]
g| 56605682|ref|NP_001008422.1|-splicing factor, arginine/serine-rich 19 [Mus musculus]
g| 238018071|ref|NP_001074401.2|-forkhead box protein K2 [Mus musculus]
g| 124487350|ref|NP_033868.3|-cholinesterase precursor [Mus musculus]

Common elements in "SHAM-LFD" and "HFD-OVX":

g| 33469117|ref|NP_038941.1|-angiopoietin-related protein 3 precursor [Mus musculus]
g| 77812697|ref|NP_035782.3|-titin isoform N2-A [Mus musculus]
g| 6679441|ref|NP_032934.1|-peptidyl-prolyl cis-trans isomerase C [Mus musculus]
g| 1225637487|ref|NP_032512.2|-aminopeptidase N [Mus musculus]
g| 309266074|ref|XP_003086710.1|-PREDICTED: LOW QUALITY PROTEIN: dynein heavy chain 3, axonemal [Mus musculus]
g| 309268955|ref|XP_003084792.1|-PREDICTED: LOW QUALITY PROTEIN: dynein heavy chain 3, axonemal [Mus musculus]
g| 31981310|ref|NP_036190.2|-B-cell receptor-associated protein 31 [Mus musculus]
g| 50054054|ref|NP_848788.2|-follistatin-related protein 5 precursor [Mus musculus]
g| 148226524|ref|NP_032581.2|-mannan-binding lectin serine protease 1 [Mus musculus]
g| 110625894|ref|NP_082346.1|-probable alpha-ketoglutarate-dependent dioxygenase ABH4 [Mus musculus]