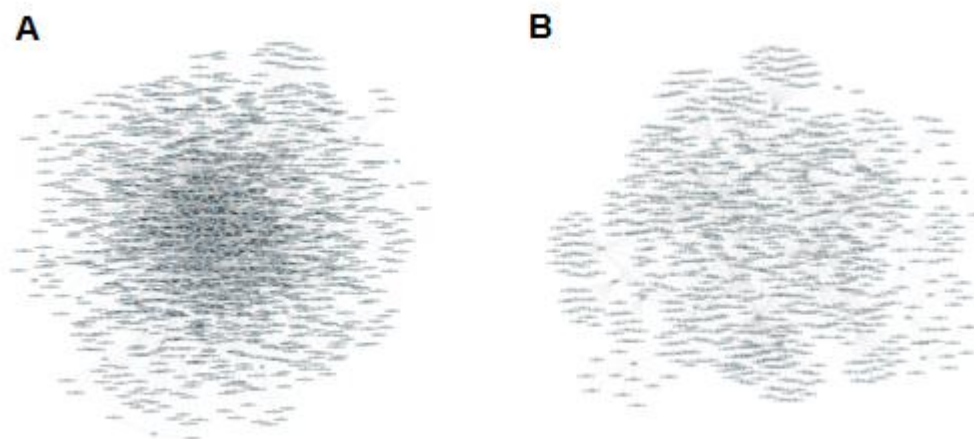
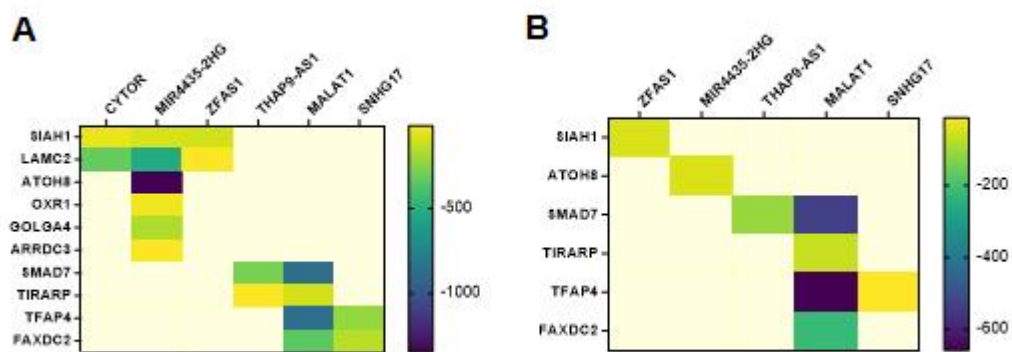


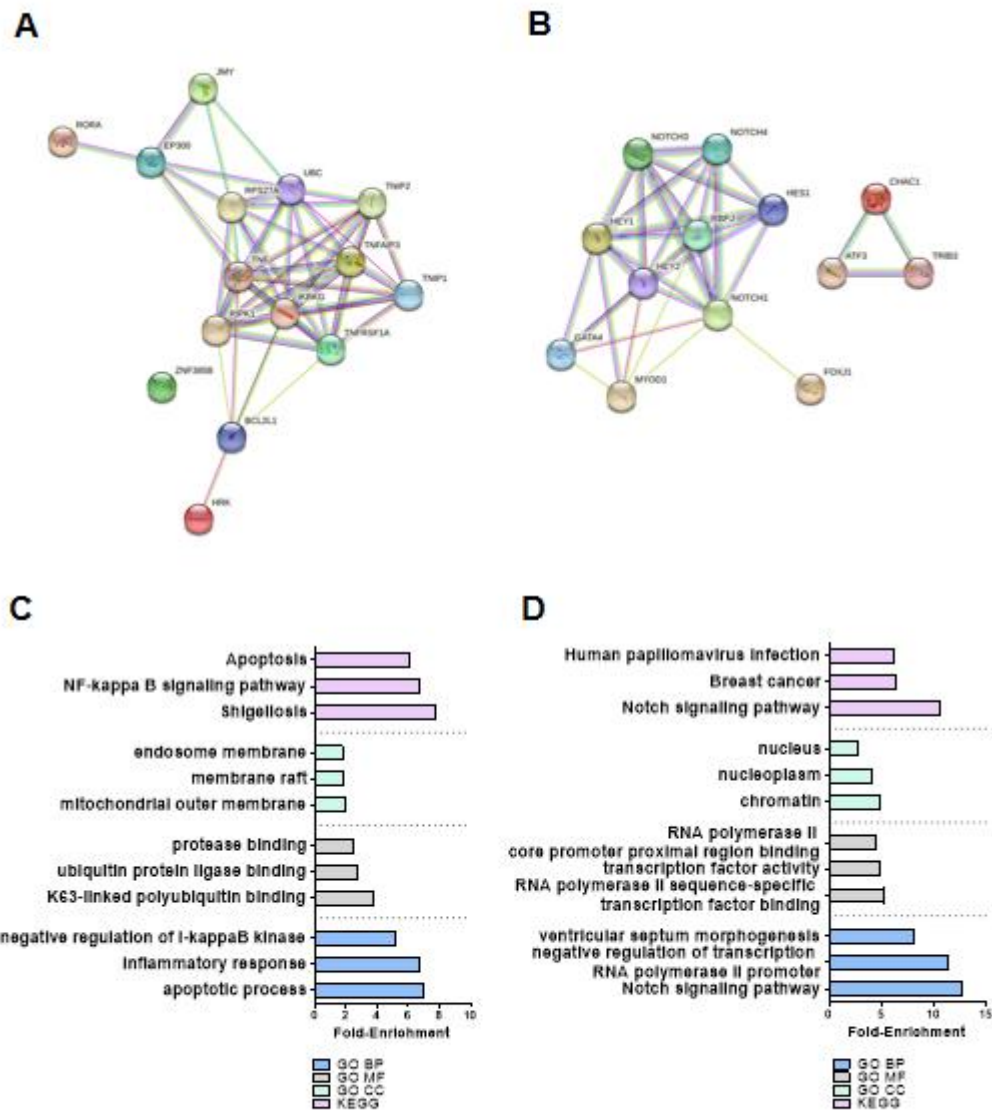
Supplementary Figure 1 Bubble plots of enriched GSEA terms in HepG2 cells (A) and SNU449 cells (B) treated with Sorafenib 6 hours. Bubble size is representative of gene count and color is representative of the normalized enrichment score (NES).



Supplementary Figure 2 Gene regulatory network showing miRNA-mRNA target predictions in HepG2 (A) and SNU449 cells (B) treated with Sorafenib for 6 hours.



Supplementary Figure 3 Heatmaps representing the number of interactions between lncRNA and mRNA targets of their corresponding miRNA interactions in HepG2 (D) and SNU449 cells (F) treated with Sorafenib (6 hours).



Supplementary Figure 4 Identification of protein interactions at 6 hours. STRING pathways of targets regulated by lncRNAs or miRNAs with no more than 10 interactions in HepG2 (A) and SNU499 cells (B) treated with Sorafenib (6 hours). Top 3 enriched GO and KEGG terms in the STRING pathway analysis in HepG2 (C) and SNU499 cells (D) treated with Sorafenib (6 hours).

Supplementary Table 1. Regulation of mRNA expression by Sorafenib (SF) in HepG2 and SNU449 at 6 and 24 hours.

Gene Symbol	Transcript ID	Base Mean	log ₂ FC	p-adj	Sample Set	GSEA_GOBP_Set
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	REGULATION_OF_LEUKOCYTE_DIFFERENTIATION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
EPO	ENSG00000130427.3	60.4954014	-1.27822953	9.6823E-06	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
DYRK3	ENSG00000143479.17	126.290036	-1.05191835	0.00642248	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
IL11	ENSG00000095752.7	71.8899143	-1.33271869	0.02655741	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2 6h	IMMUNE_SYSTEM_DEVELOPMENT
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ZNF488	ENSG00000265763.4	50.4140345	-1.31127816	3.0641E-05	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
EPO	ENSG00000130427.3	60.4954014	-1.27822953	9.6823E-06	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SOCS3	ENSG00000184557.4	331.98687	-1.25829419	1.2484E-12	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
LRP8	ENSG00000157193.18	704.670349	-1.27739345	1.3638E-09	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CDC471L	ENSG00000253276.3	65.2698492	-1.59684565	7.4686E-10	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
WNT3	ENSG00000108379.10	180.574241	-1.44139895	5.2779E-13	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CNTF	ENSG00000242689.3	35.1066763	-1.26830041	0.00453909	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
INSIG1	ENSG00000186480.13	1244.2108	-1.79484804	1.0237E-17	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
CYP11B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
CYP11A1	ENSG00000140465.14	1189.10831	-3.60857206	5.463E-93	HepG2 6h	SENSORY_ORGAN_DEVELOPMENT
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
IL11	ENSG00000095752.7	71.8899143	-1.33271869	0.02655741	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2 6h	LEUKOCYTE_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	PLACENTA_BLOOD_VESSEL_DEVELOPMENT
SOCS3	ENSG00000184557.4	331.98687	-1.25829419	1.2484E-12	HepG2 6h	PLACENTA_BLOOD_VESSEL_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0243421	-1.43418973	8.9014E-05	HepG2 6h	PLACENTA_BLOOD_VESSEL_DEVELOPMENT
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
CYP11B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
CNTF	ENSG00000242689.3	35.1066763	-1.26830041	0.00453909	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT

SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
CYPIA1	ENSG00000140465.14	1189.10831	-3.60857206	5.463E-93	HepG2 6h	SENSORY_SYSTEM_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	RENAL_TUBULE_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	RENAL_TUBULE_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	RENAL_TUBULE_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	REGULATION_OF_CELL_ADHESION_MEDIATED_BY_INTEGRIN
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
ADAMTS19	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
POS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	METANEPHROS_DEVELOPMENT
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	METANEPHROS_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	METANEPHROS_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	METANEPHROS_DEVELOPMENT
GNNT1	ENSG00000187210.14	554.10421	-1.02756322	0.00013241	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
AMH	ENSG00000104899.8	149.373381	-1.04972948	3.515E-05	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	UROGENITAL_SYSTEM_DEVELOPMENT
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	SPROUTING_ANGIOGENESIS
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	SPROUTING_ANGIOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	SPROUTING_ANGIOGENESIS
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	SPROUTING_ANGIOGENESIS
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	SPROUTING_ANGIOGENESIS
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	SPROUTING_ANGIOGENESIS
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	SPROUTING_ANGIOGENESIS
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	SPROUTING_ANGIOGENESIS
STPR3	ENSG00000213694.5	46.632795	-1.15827065	0.00508429	HepG2 6h	EPITHELIUM_DEVELOPMENT
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2 6h	EPITHELIUM_DEVELOPMENT
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	EPITHELIUM_DEVELOPMENT
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	EPITHELIUM_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	EPITHELIUM_DEVELOPMENT
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	EPITHELIUM_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	EPITHELIUM_DEVELOPMENT
DZIP1L	ENSG00000158163.15	177.419417	-1.10869293	3.6919E-05	HepG2 6h	EPITHELIUM_DEVELOPMENT
ASB2	ENSG00000100628.12	48.1047009	-1.48926751	0.00090342	HepG2 6h	EPITHELIUM_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	EPITHELIUM_DEVELOPMENT
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	EPITHELIUM_DEVELOPMENT
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2 6h	EPITHELIUM_DEVELOPMENT
RHOB	ENSG00000143878.70	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	EPITHELIUM_DEVELOPMENT
SOC3	ENSG00000184557.4	331.98687	-1.25829419	1.2484E-12	HepG2 6h	EPITHELIUM_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	EPITHELIUM_DEVELOPMENT
MAFF	ENSG00000185022.12	229.116208	-1.27329426	1.7122E-13	HepG2 6h	EPITHELIUM_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	EPITHELIUM_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	EPITHELIUM_DEVELOPMENT
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	EPITHELIUM_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	EPITHELIUM_DEVELOPMENT
WNT3	ENSG000001108379.10	180.574241	-1.44139895	5.2779E-13	HepG2 6h	EPITHELIUM_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	EPITHELIUM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	EPITHELIUM_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	EPITHELIUM_DEVELOPMENT
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	EPITHELIUM_DEVELOPMENT
CYPIA1	ENSG00000140465.14	1189.10831	-3.60857206	5.463E-93	HepG2 6h	EPITHELIUM_DEVELOPMENT
TIGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
EPO	ENSG00000130427.3	60.4954014	-1.27822953	9.6823E-06	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
DYRK3	ENSG00000143479.17	126.290036	-1.05191835	0.00642248	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
IL1I1	ENSG00000095752.7	71.8899143	-1.33271869	0.02655741	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	MYELOID_CELL_DIFFERENTIATION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	T_CELL_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	T_CELL_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	T_CELL_DIFFERENTIATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	T_CELL_DIFFERENTIATION
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	T_CELL_DIFFERENTIATION
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	T_CELL_DIFFERENTIATION
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	T_CELL_DIFFERENTIATION
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	T_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	T_CELL_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	T_CELL_DIFFERENTIATION
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2 6h	T_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	NEPHRON_EPITHELIUM_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	NEPHRON_EPITHELIUM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	NEPHRON_EPITHELIUM_DEVELOPMENT
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
STPR3	ENSG00000213694.5	46.632795	-1.15827065	0.00508429	HepG2 6h	EPITHELIAL_CELL_DIFFERENTIATION
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2 6h	EPITHELIAL_CELL_DIFFERENTIATION
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	EPITHELIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	EPITHELIAL_CELL_DIFFERENTIATION
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	EPITHELIAL_CELL_DIFFERENTIATION

NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
MAFF	ENSG00000185022.12	229.116208	-1.27329426	1.7122E-13	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
CYPIA1	ENSG00000140465.14	1189.10831	-3.60857206	5.463E-93	HepG2_6h	EPITHELIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2_6h	KIDNEY_EPITHELIUM_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2_6h	KIDNEY_EPITHELIUM_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2_6h	KIDNEY_EPITHELIUM_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	KIDNEY_EPITHELIUM_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2_6h	ARTERY_DEVELOPMENT
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2_6h	ARTERY_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	ARTERY_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2_6h	ARTERY_DEVELOPMENT
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2_6h	ARTERY_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	ARTERY_DEVELOPMENT
LDLR	ENSG00000130164.13	2918.04325	-2.22625382	1.0079E-74	HepG2_6h	ARTERY_DEVELOPMENT
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
GCNT1	ENSG00000187210.14	554.10421	-1.02756322	0.00013241	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
CCL20	ENSG00000115009.13	686.125301	-1.54268349	0.00017392	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2_6h	REGULATION_OF_LEUKOCYTE_MIGRATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2_6h	REGULATION_OF_OSTEOCLAST_DIFFERENTIATION
HSPA1B	ENSG00000204388.7	4442.46713	-3.0735475	3.2052E-11	HepG2_6h	POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
HSPA1A	ENSG00000204389.10	2779.91976	-3.20161244	2.7872E-12	HepG2_6h	POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2_6h	REGULATION_OF_NEUTROPHIL_MIGRATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2_6h	REGULATION_OF_NEUTROPHIL_MIGRATION
SIPR3	ENSG00000213694.5	46.632795	-1.15827065	0.00508429	HepG2_6h	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2_6h	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2_6h	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2_6h	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2_6h	EMBRYO_DEVELOPMENT
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2_6h	EMBRYO_DEVELOPMENT
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2_6h	EMBRYO_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2_6h	EMBRYO_DEVELOPMENT
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2_6h	EMBRYO_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2_6h	EMBRYO_DEVELOPMENT
DZIP1L	ENSG00000158163.15	177.419417	-1.10869293	3.6919E-05	HepG2_6h	EMBRYO_DEVELOPMENT
ASB2	ENSG00000100628.12	48.1047009	-1.48926751	0.00090342	HepG2_6h	EMBRYO_DEVELOPMENT
MAPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2_6h	EMBRYO_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2_6h	EMBRYO_DEVELOPMENT
DLX4	ENSG00000108813.11	59.8610234	-1.43390233	1.9243E-06	HepG2_6h	EMBRYO_DEVELOPMENT
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2_6h	EMBRYO_DEVELOPMENT
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2_6h	EMBRYO_DEVELOPMENT
SOCS3	ENSG00000184557.4	331.98687	-1.25829419	1.2484E-12	HepG2_6h	EMBRYO_DEVELOPMENT
MAFF	ENSG00000185022.12	229.116208	-1.27329426	1.7122E-13	HepG2_6h	EMBRYO_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	EMBRYO_DEVELOPMENT
CDK5R1	ENSG00000176749.9	165.874662	-1.37960655	7.3571E-13	HepG2_6h	EMBRYO_DEVELOPMENT
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2_6h	EMBRYO_DEVELOPMENT
KBTBD8	ENSG00000163376.11	166.820737	-1.44263446	3.5421E-12	HepG2_6h	EMBRYO_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2_6h	EMBRYO_DEVELOPMENT
WNT3	ENSG00000108379.10	180.574241	-1.44139895	5.2779E-13	HepG2_6h	EMBRYO_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	EMBRYO_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2_6h	EMBRYO_DEVELOPMENT
INSIG1	ENSG00000186480.13	1244.2108	-1.79484804	1.0237E-17	HepG2_6h	EMBRYO_DEVELOPMENT
DUSP5	ENSG00000138166.6	181.552733	-1.99043454	2.4042E-08	HepG2_6h	EMBRYO_DEVELOPMENT
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2_6h	EMBRYO_DEVELOPMENT
DUSP4	ENSG00000120875.9	438.11802	-2.38325436	5.4867E-30	HepG2_6h	EMBRYO_DEVELOPMENT
SIPR3	ENSG00000213694.5	46.632795	-1.15827065	0.00508429	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
MAFF	ENSG00000185022.12	229.116208	-1.27329426	1.7122E-13	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2_6h	REGULATION_OF_EPITHELIAL_CELL_DIFFERENTIATION
CNTF	ENSG00000242689.3	35.1066763	-1.26830041	0.00453909	HepG2_6h	NEGATIVE_REGULATION_OF_NEURON_DIFFERENTIATION
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2_6h	NEGATIVE_REGULATION_OF_NEURON_DIFFERENTIATION
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	NEGATIVE_REGULATION_OF_NEURON_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	NEGATIVE_REGULATION_OF_NEURON_DIFFERENTIATION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2_6h	POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2_6h	POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2_6h	POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2_6h	CARDIAC_CHAMBER_MORPHOGENESIS
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2_6h	CARDIAC_CHAMBER_MORPHOGENESIS
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	CARDIAC_CHAMBER_MORPHOGENESIS
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2_6h	CARDIAC_CHAMBER_MORPHOGENESIS
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2_6h	VASCULOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2_6h	VASCULOGENESIS
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2_6h	VASCULOGENESIS
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	VASCULOGENESIS
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	VASCULOGENESIS
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2_6h	AORTA_DEVELOPMENT
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2_6h	AORTA_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2_6h	AORTA_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2_6h	AORTA_DEVELOPMENT
ZNF488	ENSG00000265763.4	50.4140345	-1.31127816	3.0641E-05	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
ZNF488	ENSG00000265763.4	50.4140345	-1.31127816	3.0641E-05	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2_6h	POSITIVE_REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2_6h	MONONUCLEAR_CELL_DIFFERENTIATION

IL11	ENSG00000095752.7	71.8899143	-1.33271869	0.02655741	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2 6h	MONONUCLEAR_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION
FOS	ENSG00000170345.10	49.4703632	-3.9668603	1.3519E-16	HepG2 6h	POSITIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION
CCL20	ENSG00000115009.13	686.125301	-1.54268349	0.00017392	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION
CCR6	ENSG00000112486.16	61.9394819	-6.1888788	3.0721E-22	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_MIGRATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	SOMITE_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	SOMITE_DEVELOPMENT
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	SOMITE_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	SOMITE_DEVELOPMENT
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	MIDBRAIN_DEVELOPMENT
NR4A2	ENSG00000153234.14	91.7549732	-1.37445165	1.4856E-05	HepG2 6h	MIDBRAIN_DEVELOPMENT
WNT3	ENSG00000108379.10	180.574241	-1.44139895	5.2779E-13	HepG2 6h	MIDBRAIN_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	MIDBRAIN_DEVELOPMENT
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	TUBE_DEVELOPMENT
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	TUBE_DEVELOPMENT
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	TUBE_DEVELOPMENT
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	TUBE_DEVELOPMENT
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	TUBE_DEVELOPMENT
MIR17HG	ENSG000000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	TUBE_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	TUBE_DEVELOPMENT
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	TUBE_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	TUBE_DEVELOPMENT
DZIP1L	ENSG00000158163.15	177.419417	-1.10869293	3.6919E-05	HepG2 6h	TUBE_DEVELOPMENT
ASB2	ENSG00000100628.12	48.1047009	-1.48926751	0.00090342	HepG2 6h	TUBE_DEVELOPMENT
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	TUBE_DEVELOPMENT
MMPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	TUBE_DEVELOPMENT
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	TUBE_DEVELOPMENT
ARG1	ENSG00000118520.15	44.6578564	-1.59756098	0.00117517	HepG2 6h	TUBE_DEVELOPMENT
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2 6h	TUBE_DEVELOPMENT
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	TUBE_DEVELOPMENT
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	TUBE_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	TUBE_DEVELOPMENT
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	TUBE_DEVELOPMENT
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	TUBE_DEVELOPMENT
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	TUBE_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	TUBE_DEVELOPMENT
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	TUBE_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	TUBE_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	TUBE_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	TUBE_DEVELOPMENT
LDLR	ENSG00000130164.13	2918.04325	-2.22625382	1.0079E-74	HepG2 6h	TUBE_DEVELOPMENT
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	TUBE_DEVELOPMENT
CYP11B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	TUBE_DEVELOPMENT
CYP11A1	ENSG00000140465.14	1189.10831	-3.60857206	5.463E-93	HepG2 6h	TUBE_DEVELOPMENT
ZNF488	ENSG00000265763.4	50.4140345	-1.31127816	3.0641E-05	HepG2 6h	OLIGODENDROCYTE_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	OLIGODENDROCYTE_DEVELOPMENT
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
MMPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
LFNG	ENSG00000106003.13	102.146697	-1.26888611	3.9657E-05	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NKX3-2	ENSG00000109705.8	72.3571823	-1.3572168	3.7918E-05	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
LRP8	ENSG00000157193.18	704.670349	-1.27739345	1.3638E-09	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CDK5R1	ENSG00000176749.9	165.874662	-1.37960655	7.3571E-13	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
KBTBD8	ENSG00000163376.11	166.820737	-1.44263446	3.5421E-12	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
WNT3	ENSG00000108379.10	180.574241	-1.44139895	5.2779E-13	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FZD8	ENSG0000017283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
DUSP5	ENSG00000138166.6	181.552733	-1.99043454	2.4042E-08	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CYP11B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
DUSP4	ENSG00000120875.9	438.11802	-2.38325436	5.4867E-30	HepG2 6h	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
ASB2	ENSG00000100628.12	48.1047009	-1.48926751	0.00090342	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	EPITHELIAL_TUBE_MORPHOGENESIS
MMPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIGAND
HSPA1B	ENSG00000204388.7	4442.46713	-3.07335475	3.2052E-11	HepG2 6h	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIGAND
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIGAND
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2 6h	REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
ZNF488	ENSG00000265763.4	50.4140345	-1.31127816	3.0641E-05	HepG2 6h	REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	REGULATION_OF_GLIAL_CELL_DIFFERENTIATION

LDLR	ENSG00000130164.13	2918.04325	-2.22625382	1.0079E-74	HepG2 6h	REGULATION_OF_GLIAL_CELL_DIFFERENTIATION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
GCNT1	ENSG00000187210.14	554.10421	-1.02756322	0.00013241	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
EPO	ENSG00000130427.3	60.4954014	-1.27822953	9.6823E-06	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	POSITIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
TNFSF9	ENSG00000125657.5	51.6456211	-1.23881813	3.408E-05	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION
SPRED2	ENSG00000198369.10	1763.93299	-1.08622926	1.1236E-16	HepG2 6h	NEGATIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	NEGATIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
IL17RD	ENSG00000144730.18	106.446256	-1.42956337	1.0635E-05	HepG2 6h	NEGATIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	NEGATIVE_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION
CD83	ENSG00000112149.10	33.7824655	-1.24671917	0.0209241	HepG2 6h	POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	POSITIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION
PLAUR	ENSG00000011422.12	52.0811635	-1.03220286	0.00490802	HepG2 6h	NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
DNAJA1	ENSG00000086061.16	6718.70249	-1.28300688	1.4476E-23	HepG2 6h	NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
EPO	ENSG00000130427.3	60.4954014	-1.27822953	9.6823E-06	HepG2 6h	NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
MAPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HSPA1A	ENSG00000204389.10	2779.91796	-3.20161244	2.7872E-12	HepG2 6h	NEGATIVE_REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	TUBE_MORPHOGENESIS
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	TUBE_MORPHOGENESIS
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	TUBE_MORPHOGENESIS
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	TUBE_MORPHOGENESIS
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	TUBE_MORPHOGENESIS
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	TUBE_MORPHOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	TUBE_MORPHOGENESIS
ASB2	ENSG00000100628.12	48.1047009	-1.48926751	0.00090342	HepG2 6h	TUBE_MORPHOGENESIS
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	TUBE_MORPHOGENESIS
MAPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	TUBE_MORPHOGENESIS
NKX3-1	ENSG00000167034.10	166.740887	-1.15793064	2.0897E-05	HepG2 6h	TUBE_MORPHOGENESIS
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	TUBE_MORPHOGENESIS
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	TUBE_MORPHOGENESIS
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	TUBE_MORPHOGENESIS
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	TUBE_MORPHOGENESIS
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	TUBE_MORPHOGENESIS
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	TUBE_MORPHOGENESIS
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	TUBE_MORPHOGENESIS
FZD8	ENSG00000177283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	TUBE_MORPHOGENESIS
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	TUBE_MORPHOGENESIS
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	TUBE_MORPHOGENESIS
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	TUBE_MORPHOGENESIS
LDLR	ENSG00000130164.13	2918.04325	-2.22625382	1.0079E-74	HepG2 6h	TUBE_MORPHOGENESIS
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	TUBE_MORPHOGENESIS
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	TUBE_MORPHOGENESIS
RGS2	ENSG00000116741.8	107.67352	-1.41876054	1.8025E-06	HepG2 6h	POSITIVE_REGULATION_OF_BLOOD_CIRCULATION
ADM5	ENSG00000224420.3	113.318828	-1.46195967	7.7924E-09	HepG2 6h	POSITIVE_REGULATION_OF_BLOOD_CIRCULATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	POSITIVE_REGULATION_OF_BLOOD_CIRCULATION
CNTF	ENSG00000242689.3	35.1066763	-1.26830041	0.00453909	HepG2 6h	RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE
DLX1	ENSG00000144355.15	54.5527682	-1.16713961	0.00028275	HepG2 6h	RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE
LHX2	ENSG00000106689.11	64.549118	-1.18897403	0.00026915	HepG2 6h	RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	RETINA_DEVELOPMENT_IN_CAMERA_TYPE_EYE
RGS2	ENSG00000116741.8	107.67352	-1.41876054	1.8025E-06	HepG2 6h	REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION
CYP26B1	ENSG00000003137.8	339.918947	-2.10340209	1.7426E-41	HepG2 6h	REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION
DUSP5	ENSG00000138166.6	181.552733	-1.99043454	2.4042E-08	HepG2 6h	ENDODERM_DEVELOPMENT
DUSP4	ENSG00000120875.9	438.11802	-2.38325436	5.4867E-30	HepG2 6h	ENDODERM_DEVELOPMENT
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
ADAM8	ENSG00000151651.16	30.7786678	-1.37308283	0.00220859	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
NRARP	ENSG00000198435.4	310.594036	-1.02352381	1.7518E-06	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
JMJD6	ENSG00000070495.14	692.4339	-1.11640019	7.2079E-11	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
MAPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
EFNB2	ENSG00000125266.8	35.660475	-2.079379	2.5952E-08	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
EDN1	ENSG00000078401.7	148.999283	-1.48384399	2.9652E-06	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
FZD8	ENSG00000177283.7	90.3903427	-1.59641779	1.6216E-09	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
LDLR	ENSG00000130164.13	2918.04325	-2.22625382	1.0079E-74	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	BLOOD_VESSEL_MORPHOGENESIS
THBS1	ENSG00000137801.11	6934.37088	-1.02667642	0.00201149	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
ITGB8	ENSG00000105855.10	100.67084	-1.06960208	0.00111104	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
EPHA2	ENSG00000142627.13	1885.04046	-1.1455643	1.3755E-08	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
MAPK7	ENSG00000166484.20	689.961391	-1.14181189	2.4956E-25	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
RHOB	ENSG00000143878.10	6518.61364	-1.55556175	1.0712E-29	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
ADAMTS9	ENSG00000163638.13	245.818636	-1.24719682	0.00011448	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
SPRED1	ENSG00000166068.13	628.45713	-1.26342669	2.3449E-11	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
KLF2	ENSG00000127528.5	1517.88843	-1.53393602	1.8343E-19	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
SPRY2	ENSG00000136158.12	464.931247	-1.58878386	2.4543E-22	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
ADAMTS1	ENSG00000154734.15	334.532546	-2.07731805	1.2965E-14	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
CYP1B1	ENSG00000138061.12	292.375919	-2.3052655	2.8787E-19	HepG2 6h	REGULATION_OF_VASCULATURE_DEVELOPMENT
LIF	ENSG00000128342.5	302.768879	-1.0104966	3.2343E-06	HepG2 6h	NEPHRON_DEVELOPMENT
EGR1	ENSG00000120738.8	133.009478	-1.00292665	0.03547582	HepG2 6h	NEPHRON_DEVELOPMENT
WNK4	ENSG00000126562.17	394.446308	-1.43975957	2.2797E-12	HepG2 6h	NEPHRON_DEVELOPMENT
SHH	ENSG00000164690.8	151.394106	-1.5609441	2.0514E-07	HepG2 6h	NEPHRON_DEVELOPMENT
FZD1	ENSG00000157240.4	436.557901	-1.00197897	1.9965E-11	HepG2 6h	VENTRICULAR_SEPTUM_MORPHOGENESIS
MIR17HG	ENSG00000215417.13	268.559238	-1.00629791	5.5787E-09	HepG2 6h	VENTRICULAR_SEPTUM_MORPHOGENESIS

HEY1	ENSG00000164683.17	81.0244321	-1.43418973	8.9014E-05	HepG2 6h	VENTRICULAR_SEPTUM_MORPHOGENESIS
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h	VENTRICULAR_SEPTUM_MORPHOGENESIS
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CTH	ENSG00000116761.12	332.91761	2.00129431	1.9291E-30	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CHAC1	ENSG00000128965.13	196.941289	1.92899026	8.6923E-14	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
STC2	ENSG00000113739.10	3260.77533	2.07263498	2.394E-51	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
BBC3	ENSG00000105327.17	461.978052	1.47756202	2.2473E-24	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PLAZG6	ENSG00000184381.20	386.332073	1.12802997	8.8304E-10	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PPP1R15A	ENSG00000087074.8	1645.13873	1.21571522	1.7137E-10	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ERN2	ENSG00000134398.15	33.3222964	1.09420792	0.01913217	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CTH	ENSG00000116761.12	332.91761	2.00129431	1.9291E-30	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
STC2	ENSG00000113739.10	3260.77533	2.07263498	2.394E-51	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
PPP1R15A	ENSG00000087074.8	1645.13873	1.21571522	1.7137E-10	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
ERN2	ENSG00000134398.15	33.3222964	1.09420792	0.01913217	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	MACROAUTOPHAGY
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	MACROAUTOPHAGY
CHAC1	ENSG00000128965.13	196.941289	1.92899026	8.6923E-14	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
BBC3	ENSG00000105327.17	461.978052	1.47756202	2.2473E-24	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PPP1R15A	ENSG00000087074.8	1645.13873	1.21571522	1.7137E-10	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ERN2	ENSG00000134398.15	33.3222964	1.09420792	0.01913217	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	REGULATION_OF_MACROAUTOPHAGY
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	REGULATION_OF_MACROAUTOPHAGY
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
TMEM150B	ENSG00000180061.10	203.37913	1.65387993	1.5497E-12	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
DEPPI	ENSG00000165507.9	304.334244	1.17849507	1.3822E-07	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
FLCN	ENSG00000154803.13	2204.55175	1.01362482	1.6757E-20	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
DEPPI	ENSG00000165507.9	304.334244	1.17849507	1.3822E-07	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
FLCN	ENSG00000154803.13	2204.55175	1.01362482	1.6757E-20	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
MYO10	ENSG00000145555.15	505.818098	1.39058609	3.7347E-07	HepG2 6h SF	REGULATION_OF_AUTOPHAGY
CTH	ENSG00000116761.12	332.91761	2.00129431	1.9291E-30	HepG2 6h SF	FILOPODIUM_ASSOCIATED
FUT1	ENSG00000174951.11	44.3882923	4.68729118	2.9839E-20	HepG2 6h SF	VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
SES2	ENSG00000130766.5	1416.24386	1.2341299	7.1163E-38	HepG2 6h SF	POSITIVE_REGULATION_OF_CELL_MATRIX_ADHESION
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	SELECTIVE_AUTOPHAGY
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	POSITIVE_REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PIMI1	ENSG00000137193.14	1183.73099	1.41893161	2.1344E-15	HepG2 6h SF	POSITIVE_REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
FNDC5	ENSG00000160097.18	33.5831934	1.59601422	0.00236013	HepG2 6h SF	BROWN_FAT_CELL_DIFFERENTIATION
FLCN	ENSG00000154803.13	2204.55175	1.01362482	1.6757E-20	HepG2 6h SF	BROWN_FAT_CELL_DIFFERENTIATION
FABP3	ENSG00000121769.8	33.878879	1.15802928	0.00293299	HepG2 6h SF	BROWN_FAT_CELL_DIFFERENTIATION
RORA	ENSG00000069667.16	157.591616	1.0482274	0.00150621	HepG2 6h SF	BROWN_FAT_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	AUTOPHAGOSOME_MATURATION
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
UNC5B	ENSG00000107731.12	1078.41672	2.32822343	6.0487E-39	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
CTH	ENSG00000116761.12	332.91761	2.00129431	1.9291E-30	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
CHAC1	ENSG00000128965.13	196.941289	1.92899026	8.6923E-14	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
PRODH	ENSG00000100033.16	157.559026	1.84244093	6.4559E-16	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	48.3403956	2.26007078	3.1295E-08	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
BBC3	ENSG00000105327.17	461.978052	1.47756202	2.2473E-24	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
DDIT4	ENSG00000168209.5	2815.88254	1.73786477	5.3405E-31	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
HRK	ENSG00000135116.9	39.4769834	1.96721961	8.9256E-08	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
PLAZG6	ENSG00000184381.20	386.332073	1.12802997	8.8304E-10	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
PPP1R15A	ENSG00000087074.8	1645.13873	1.21571522	1.7137E-10	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
JMY	ENSG00000152409.9	837.634368	1.10484097	2.2531E-13	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
ZNF1AIP3	ENSG00000118503.15	1840.8708	1.18574479	4.1307E-07	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
ZNF385B	ENSG00000144331.20	52.6565816	1.15909159	0.01232709	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
FLCN	ENSG00000154803.13	2204.55175	1.01362482	1.6757E-20	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
TF53BP2	ENSG00000143514.17	3220.91704	1.03241131	4.2054E-27	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
ERN2	ENSG00000134398.15	33.3222964	1.09420792	0.01913217	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
ARRDC3	ENSG00000113369.9	3214.84841	1.69709739	4.6361E-30	HepG2 6h SF	APOPTOTIC_SIGNALING_PATHWAY
RORC	ENSG00000143635.19	83.1156023	1.34436381	0.00028781	HepG2 6h SF	ADIPOSE_TISSUE_DEVELOPMENT
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 6h SF	ADIPOSE_TISSUE_DEVELOPMENT
NUPRI	ENSG00000176046.8	766.578616	2.34259451	3.121E-05	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
CHAC1	ENSG00000128965.13	196.941289	1.92899026	8.6923E-14	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PRODH	ENSG00000100033.16	157.559026	1.84244093	6.4559E-16	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
BBC3	ENSG00000105327.17	461.978052	1.47756202	2.2473E-24	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
DDIT4	ENSG00000168209.5	2815.88254	1.73786477	5.3405E-31	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PPP1R15A	ENSG00000087074.8	1645.13873	1.21571522	1.7137E-10	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
JMY	ENSG00000152409.9	837.634368	1.10484097	2.2531E-13	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HERPUDI	ENSG00000051108.15	2239.93544	1.20652068	1.1493E-32	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ZNF385B	ENSG00000144331.20	52.6565816	1.15909159	0.01232709	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
FLCN	ENSG00000154803.13	2204.55175	1.01362482	1.6757E-20	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TF53BP2	ENSG00000143514.17	3220.91704	1.03241131	4.2054E-27	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TRIB3	ENSG00000101255.11	3414.001	1.00143996	6.5383E-12	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ERN2	ENSG00000134398.15	33.3222964	1.09420792	0.01913217	HepG2 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
FADD	ENSG00000168040.4	570.367622	-1.89607171	6.1981E-19	HepG2 24h	T_CELL_DIFFERENTIATION_IN_THYMUS
FZD8	ENSG00000177283.7	51.7865661	-1.85257091	2.8194E-06	HepG2 24h	T_CELL_DIFFERENTIATION_IN_THYMUS
SHH	ENSG00000164690.8	191.029966	-2.66726081	9.2202E-13	HepG2 24h	T_CELL_DIFFERENTIATION_IN_THYMUS
CCR6	ENSG00000112486.16	102.280712	-8.135598	1.5893E-20	HepG2 24h	T_CELL_DIFFERENTIATION_IN_THYMUS
PRMT6	ENSG00000198890.9	176.201333	-1.09518174	0.00086803	HepG2 24h	REGULATION_OF_MEGAKARYOCYTE_DIFFERENTIATION
LOX	ENSG00000113083.14	1642.06235	-1.60911535	3.519E-20	HepG2 24h	REGULATION_OF_MEGAKARYOCYTE_DIFFERENTIATION
THPO	ENSG00000090534.20	134.829222	-1.74586585	1.9581E-08	HepG2 24h	REGULATION_OF_MEGAKARYOCYTE_DIFFERENTIATION
MMMP15	ENSG00000102996.5	2594.21661	-1.11391839	3.9831E-13	HepG2 24h	REGULATION_OF_MEGAKARYOCYTE_DIFFERENTIATION
MELT	ENSG00000163975.12	261.781572	-1.08505323	2.7222E-05	HepG2 24h	EXTRACELLULAR_MATRIX_DISASSEMBLY
TMPRSS6	ENSG00000187045.18	47.3554	-1.03944199	0.01427444	HepG2 24h	EXTRACELLULAR_MATRIX_DISASSEMBLY
ADAMTS14	ENSG00000158859.10	45.5719936	-1.08601279	0.03263632	HepG2 24h	EXTRACELLULAR_MATRIX_DISASSEMBLY
SH3PXD2B	ENSG00000174705.13	881.98641	-1.36387072	2.6575E-13	HepG2 24h	EXTRACELLULAR_MATRIX_DISASSEMBLY
DDIT3	ENSG00000175197.12	1170.55489	2.85754277	6.561E-118	HepG2 24h	EXTRACELLULAR_MATRIX_DISASSEMBLY
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	POSITIVE_REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS

NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
ATXN3	ENSG00000066427.24	346.104925	1.00535137	0.00012281	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	POSITIVE REGULATION OF RESPONSE TO ENDOPLASMIC RETICULUM STRESS
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
ITPR1	ENSG00000150995.19	888.284363	1.22551572	2.537E-19	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	INTRINSIC APOPTOTIC SIGNALING PATHWAY IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
TNFRSF12A	ENSG0000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	POSITIVE REGULATION OF APOPTOTIC SIGNALING PATHWAY
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
HOXA2	ENSG00000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
GPCPD1	ENSG00000125772.13	1513.39101	2.15551913	2.8139E-27	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
NR1D2	ENSG00000174738.13	2415.85904	2.18088579	2.3118E-31	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
MEF2B	ENSG0000013999.17	170.81094	1.52331353	4.6087E-07	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
TAGLN	ENSG00000149591.17	1568.29497	1.88403002	8.4946E-13	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
IFRD1	ENSG0000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
FOXN2	ENSG00000170802.16	2822.34812	1.73281939	5.4933E-24	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
PODX3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
EMD	ENSG00000102119.10	1204.0296	1.4947865	5.3438E-40	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
PHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
MNBL1	ENSG00000152601.17	2968.55113	1.24181408	2.5995E-16	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
COPS2	ENSG00000166200.15	2482.85179	1.16080224	4.3385E-13	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
PLEKHM3	ENSG00000178385.15	1274.91449	1.08857322	4.2174E-14	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
CCNT2	ENSG00000082258.13	2101.4899	1.11225213	1.252E-10	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
ID2	ENSG00000115738.10	4354.06664	1.20775237	4.6248E-17	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	MUSCLE STRUCTURE DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	POSITIVE REGULATION OF INTRINSIC APOPTOTIC SIGNALING PATHWAY
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
GPCPD1	ENSG00000125772.13	1513.39101	2.15551913	2.8139E-27	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
NR1D2	ENSG00000174738.13	2415.85904	2.18088579	2.3118E-31	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
MEF2B	ENSG0000013999.17	170.81094	1.52331353	4.6087E-07	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT

TAGLN	ENSG00000149591.17	1568.29497	1.88403002	8.4946E-13	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
HDAC9	ENSG0000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
FOXN2	ENSG00000170802.16	2822.34812	1.73281939	5.4933E-24	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
POPC3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
EMD	ENSG00000102119.10	1204.0296	1.4947865	5.3438E-40	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
COPS2	ENSG00000166200.15	2482.85179	1.16080224	4.3385E-13	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
CCNT2	ENSG00000082258.13	2101.4899	1.11222513	1.252E-10	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	MUSCLE ORGAN DEVELOPMENT
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	MYOTUBE DIFFERENTIATION
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	MYOTUBE DIFFERENTIATION
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	MYOTUBE DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MYOTUBE DIFFERENTIATION
GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	MYOTUBE DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MYOTUBE DIFFERENTIATION
HDAC9	ENSG0000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MYOTUBE DIFFERENTIATION
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	MYOTUBE DIFFERENTIATION
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MYOTUBE DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
DNAJB9	ENSG00000124882.4	153.54075	1.43220533	9.6374E-24	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
BCL2L11	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
CREB3L3	ENSG00000065066.14	982.530588	1.0624399	4.0007E-06	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	CELLULAR RESPONSE TO UNFOLDED PROTEIN
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
MYCL	ENSG00000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
KRT80	ENSG00000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
WDRPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
VPS37D	ENSG00000176428.6	168.769564	1.91919723	6.1386E-10	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
STBD1	ENSG00000118804.8	659.482873	1.83032795	1.4521E-16	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
CHMP4C	ENSG00000164695.5	363.049544	1.42013601	2.4875E-21	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
GABARAPL1	ENSG00000139112.11	1125.48843	1.28970127	1.3669E-12	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
USP36	ENSG00000055483.19	3095.89395	1.29680178	5.24E-23	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
ATG2B	ENSG00000066739.12	880.00057	1.07822797	4.3661E-09	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
PIK3CA	ENSG00000121879.5	1049.78081	1.09751536	1.3757E-09	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
UVRAG	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
RAB33B	ENSG00000172007.7	752.606263	1.02187686	9.2986E-17	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
NBR1	ENSG00000188554.14	4686.98608	1.20114674	3.5409E-11	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	EPIDERMAL CELL DIFFERENTIATION
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
PIMI1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.4533197	4.5516E-12	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
GPCPD1	ENSG00000125772.13	1513.39101	2.15551913	2.8139E-27	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
NR1D2	ENSG00000174738.13	2415.85904	2.18088579	2.3118E-31	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
IFRD1	ENSG0000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
HDAC9	ENSG0000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
FOXN2	ENSG00000170802.16	2822.34812	1.73281939	5.4933E-24	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
POPC3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
EMD	ENSG00000102119.10	1204.0296	1.4947865	5.3438E-40	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
FHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
COPS2	ENSG00000166200.15	2482.85179	1.16080224	4.3385E-13	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ZFAND5	ENSG00000107372.13	3859.42125	1.21331172	3.8926E-24	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
CCNT2	ENSG00000082258.13	2101.4899	1.11222513	1.252E-10	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ID2	ENSG00000115738.10	4354.06664	1.20775237	4.6248E-17	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	MUSCLE TISSUE DEVELOPMENT
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE CELL DIFFERENTIATION

CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
IFRD1	ENSG0000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
HDAC9	ENSG0000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
POPDC3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
SMARCD3	ENSG0000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
SIRT1	ENSG0000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
FHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.06664	1.20775237	4.6248E-17	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	MUSCLE_CELL_DIFFERENTIATION
SIRT1	ENSG0000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
PPP1R15A	ENSG0000087074.8	4865.6418	3.25128179	1.726E-11	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ERN1	ENSG00000178607.16	1298.62908	1.26585634	4.4519E-36	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DNAJB9	ENSG00000128590.5	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SIRT1	ENSG0000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ATXN3	ENSG00000066427.24	346.104925	1.00535137	0.00012281	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
TNFRSF12A	ENSG0000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
SIRT1	ENSG0000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
ITPR1	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
GCLC	ENSG00000001084.13	2193.98549	1.20211025	3.5642E-18	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
ARRHGF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
EYA4	ENSG00000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
SLAH2	ENSG00000181788.4	1866.38732	1.09371623	2.6998E-10	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
HMG2	ENSG0000016104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
RRN3	ENSG0000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
GADD45G	ENSG00000130222.11	175.950476	4.66611345	6.5741E-38	HepG2 24h SF	REGULATION_OF_APOPTOTIC_SIGNALING_PATHWAY
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
GADD45B	ENSG0000099860.9	1776.09807	3.58360938	5.1844E-71	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
KLF11	ENSG00000172059.11	462.216212	2.45014859	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
UBD	ENSG00000213886.4	518.133725	2.22678648	2.3669E-36	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
WNT11	ENSG0000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
RPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
STK17A	ENSG00000164543.7	1220.41987	1.82865741	7.573E-30	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
IFIT2	ENSG00000119922.10	48.6863063	1.5450008	2.7294E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
HBA2	ENSG00000188536.13	142.578557	1.3049004	0.00336968	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
PHLDA2	ENSG00000181649.8	67.7686932	1.4038925	0.00010555	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
PAWR	ENSG00000177425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
TNFRSF12A	ENSG0000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
JMY	ENSG00000152409.9	1109.29095	1.55009122	1.277E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
SIRT1	ENSG0000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH

STK17B	ENSG00000081320.11	756.17324	1.23415313	2.5829E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
TP53BP2	ENSG00000143514.17	3452.72607	1.47346441	1.0873E-37	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
OSGIN1	ENSG00000140961.14	1265.37446	1.12727334	1.6496E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
BCL2L11	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NET1	ENSG00000173848.19	4026.3154	1.24205561	4.4815E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
DLC1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
TFAP4	ENSG00000090447.12	1230.43996	1.00963427	1.1609E-11	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DEATH
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SIX1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
POPDC3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
FHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	STRIATED_MUSCLE_CELL_DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
FHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	MUSCLE_CELL_DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
CTH1	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
PM1AIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
PAWR	ENSG00000177425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
JMY	ENSG00000152409.9	1109.29095	1.55009122	1.277E-14	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
UACA	ENSG00000137831.15	1050.12064	1.4824117	1.0848E-08	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ZNF385B	ENSG00000144331.20	46.0885463	1.32010955	0.00273699	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
RRP8	ENSG00000132275.11	749.397244	1.35515132	7.8364E-21	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
TP53BP2	ENSG00000143514.17	3452.72607	1.47346441	1.0873E-37	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ITPR1	ENSG00000150995.19	888.284363	1.22551572	2.537E-19	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ITPRIP	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
GCLC	ENSG00000001084.13	2193.98549	1.20211025	3.5642E-18	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
BCL2L11	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
ARHGFE2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
EYA4	ENSG00000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
SLAH2	ENSG00000181788.4	1866.38732	1.09371623	2.6998E-10	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
HMG2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
RRN3	ENSG00000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	APOPTOTIC_SIGNALING_PATHWAY
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
MYCL1	ENSG00000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
FAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
KRT80	ENSG00000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
LAMC2	ENSG00000058085.15	41.0916894	1.32729247	0.00215222	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
WDFCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
EST	ENSG00000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	EPIDERMIS_DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
VPS37D	ENSG00000176428.6	168.769564	1.91919723	6.1386E-10	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM

ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
DEPPI	ENSG00000165507.9	536.037372	1.89482185	2.013E-18	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
STBD1	ENSG00000118804.8	659.482873	1.83032795	1.4521E-16	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
PLK3	ENSG00000173846.13	296.441264	1.48298297	2.8609E-12	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
CHMP4C	ENSG00000164695.5	363.049544	1.42013601	2.4875E-21	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
LAMP3	ENSG00000078081.8	91.7747603	1.10791106	0.00017621	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
GABARAPL1	ENSG00000139112.11	1125.48843	1.28970127	1.3669E-12	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
ITPR1	ENSG00000150995.19	888.284363	1.22551572	2.537E-19	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
USP36	ENSG00000055483.19	3095.89395	1.29680178	5.24E-23	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
ATG2B	ENSG00000066739.12	880.00057	1.07822797	4.3661E-09	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
UVRAG	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
RAB33B	ENSG00000172007.7	752.606263	1.02187686	9.2986E-17	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
NBR1	ENSG00000188554.14	4686.98608	1.20114674	3.5409E-11	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
RNAGD	ENSG00000025039.15	2742.52717	1.12223968	9.4384E-06	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
FZD5	ENSG00000163251.4	7062.10247	1.00998949	6.9771E-13	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
HBEFG	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
PIMI	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
GNA13	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
ILF1	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
ID2	ENSG00000115738.10	4354.06664	1.20775237	4.6248E-17	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
HBEFG	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	MUSCLE_CELL_PROLIFERATION
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	WOUND_HEALING
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	WOUND_HEALING
RAB3A	ENSG00000105649.10	118.273612	1.8288601	3.8769E-16	HepG2 24h SF	WOUND_HEALING
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	WOUND_HEALING
DUOX2	ENSG00000140279.12	43.7411641	1.80698758	0.0004041	HepG2 24h SF	WOUND_HEALING
DGKE	ENSG00000153933.10	204.415399	1.67336021	9.7995E-12	HepG2 24h SF	WOUND_HEALING
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	WOUND_HEALING
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	WOUND_HEALING
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	WOUND_HEALING
CHMP4C	ENSG00000164695.5	363.049544	1.42013601	2.4875E-21	HepG2 24h SF	WOUND_HEALING
GNA13	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	WOUND_HEALING
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	WOUND_HEALING
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	WOUND_HEALING
TGF1A	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	WOUND_HEALING
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	WOUND_HEALING
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	WOUND_HEALING
F2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	WOUND_HEALING
JMJD1C	ENSG00000171988.19	3125.7914	1.31691762	2.3431E-06	HepG2 24h SF	WOUND_HEALING
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	WOUND_HEALING
DST	ENSG0000015194.20	9562.85254	1.41946222	0.00043255	HepG2 24h SF	WOUND_HEALING
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	WOUND_HEALING
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	WOUND_HEALING
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	WOUND_HEALING
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	WOUND_HEALING
OCLN	ENSG00000197822.11	2170.37635	1.17407533	1.3855E-10	HepG2 24h SF	WOUND_HEALING
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	WOUND_HEALING
PDK4	ENSG0000004799.8	79.1003544	3.34224414	5.297E-31	HepG2 24h SF	WOUND_HEALING
BIRC3	ENSG00000023445.14	222.640875	2.93942158	1.3253E-35	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PIMI	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
IL1I	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CRYAA	ENSG00000160202.7	66.2538827	2.54700449	1.9576E-05	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
NUAK2	ENSG00000163545.10	643.690577	2.5047474	3.5597E-49	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
BNIP1	ENSG00000113734.17	497.522622	1.70771797	1.186E-42	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PIM3	ENSG00000198355.5	6136.30835	2.14785009	2.5972E-67	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CBX4	ENSG00000141582.15	2560.46111	1.88230659	1.6987E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PLK3	ENSG00000173846.13	296.441264	1.48298297	2.8609E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CFEB4	ENSG00000113742.14	2760.55145	1.82856812	3.5962E-23	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CHMP4C	ENSG00000164695.5	363.049544	1.42013601	2.4875E-21	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
TENT5B	ENSG00000158246.8	71.0690835	1.2376291	1.1971E-05	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
GPR37	ENSG00000170775.3	532.641155	1.36713322	4.7829E-10	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
LAMP3	ENSG00000078081.8	91.7747603	1.10791106	0.00017621	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ARHGAP10	ENSG00000071205.12	95.2818083	1.12622366	0.00016853	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
STYL1	ENSG00000163430.12	162.101149	1.14941796	7.3712E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6011E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH

GTGA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
IFTT3	ENSG00000119917.14	156.9648	1.1589828	5.321E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
MDM4	ENSG00000198625.13	2263.07519	1.3885716	8.8284E-22	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ASNS	ENSG00000070669.17	2996.92636	1.33873329	1.232E-07	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ITPRIP	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
RICTOR	ENSG00000164327.13	3098.15553	1.23556904	7.5406E-07	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
GLCL	ENSG0000001084.13	2193.98549	1.20211025	3.5642E-18	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
OXRI	ENSG00000164830.18	1007.14937	1.04972305	2.0895E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CEBPB	ENSG0000017216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
EYA4	ENSG00000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
SLAH2	ENSG00000181788.4	1866.38732	1.09371623	2.6998E-10	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
HMG2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
RNR3	ENSG00000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
TLE1	ENSG00000196781.15	3787.9187	1.05504644	7.208E-15	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_DEATH
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	VASCULATURE_DEVELOPMENT
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	VASCULATURE_DEVELOPMENT
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	VASCULATURE_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	VASCULATURE_DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	VASCULATURE_DEVELOPMENT
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	VASCULATURE_DEVELOPMENT
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	VASCULATURE_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	VASCULATURE_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	VASCULATURE_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	VASCULATURE_DEVELOPMENT
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	VASCULATURE_DEVELOPMENT
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	VASCULATURE_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	VASCULATURE_DEVELOPMENT
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	VASCULATURE_DEVELOPMENT
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	VASCULATURE_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TNFSF7A	ENSG00000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	VASCULATURE_DEVELOPMENT
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	VASCULATURE_DEVELOPMENT
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	VASCULATURE_DEVELOPMENT
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TMEM231	ENSG00000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	VASCULATURE_DEVELOPMENT
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	VASCULATURE_DEVELOPMENT
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	VASCULATURE_DEVELOPMENT
GTGA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	VASCULATURE_DEVELOPMENT
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	VASCULATURE_DEVELOPMENT
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	VASCULATURE_DEVELOPMENT
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	VASCULATURE_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	VASCULATURE_DEVELOPMENT
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	VASCULATURE_DEVELOPMENT
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	VASCULATURE_DEVELOPMENT
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	VASCULATURE_DEVELOPMENT
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	TISSUE_MIGRATION
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	TISSUE_MIGRATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	TISSUE_MIGRATION
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	TISSUE_MIGRATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	TISSUE_MIGRATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	TISSUE_MIGRATION
ATOH8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	TISSUE_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	TISSUE_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	TISSUE_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	TISSUE_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	TISSUE_MIGRATION
FSTL1	ENSG00000163430.12	162.101149	1.14941796	7.3712E-06	HepG2 24h SF	TISSUE_MIGRATION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	TISSUE_MIGRATION
LPXN	ENSG00000110031.12	58.9575957	1.09205328	0.01421804	HepG2 24h SF	TISSUE_MIGRATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	TISSUE_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	TISSUE_MIGRATION
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	TISSUE_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	TISSUE_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	TISSUE_MIGRATION
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	TISSUE_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	TISSUE_MIGRATION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	TISSUE_MIGRATION
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	TISSUE_MIGRATION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	TUBE_DEVELOPMENT
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	TUBE_DEVELOPMENT
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	TUBE_DEVELOPMENT
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	TUBE_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	TUBE_DEVELOPMENT

TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	TUBE_DEVELOPMENT
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	TUBE_DEVELOPMENT
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	TUBE_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	TUBE_DEVELOPMENT
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	TUBE_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	TUBE_DEVELOPMENT
RAB3A	ENSG00000105649.10	118.273612	1.8288601	3.8769E-16	HepG2 24h SF	TUBE_DEVELOPMENT
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	TUBE_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	TUBE_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	TUBE_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	TUBE_DEVELOPMENT
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	TUBE_DEVELOPMENT
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	TUBE_DEVELOPMENT
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	TUBE_DEVELOPMENT
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	TUBE_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	TUBE_DEVELOPMENT
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	TUBE_DEVELOPMENT
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	TUBE_DEVELOPMENT
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	TUBE_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	TUBE_DEVELOPMENT
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	TUBE_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	TUBE_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	TUBE_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	TUBE_DEVELOPMENT
THSD7A	ENSG000000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	TUBE_DEVELOPMENT
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	TUBE_DEVELOPMENT
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	TUBE_DEVELOPMENT
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	TUBE_DEVELOPMENT
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	TUBE_DEVELOPMENT
SIMI1	ENSG00000112246.9	34.1694353	1.33585329	0.01841046	HepG2 24h SF	TUBE_DEVELOPMENT
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	TUBE_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	TUBE_DEVELOPMENT
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	TUBE_DEVELOPMENT
JUNB	ENSG00000171224.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	TUBE_DEVELOPMENT
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	TUBE_DEVELOPMENT
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	TUBE_DEVELOPMENT
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	TUBE_DEVELOPMENT
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	TUBE_DEVELOPMENT
NK3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	TUBE_DEVELOPMENT
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	TUBE_DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	TUBE_DEVELOPMENT
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	TUBE_DEVELOPMENT
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	TUBE_DEVELOPMENT
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	TUBE_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	TUBE_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	TUBE_DEVELOPMENT
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	TUBE_DEVELOPMENT
KIF18A	ENSG00000121621.7	1123.9166	1.13681541	1.8374E-05	HepG2 24h SF	TUBE_DEVELOPMENT
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	TUBE_DEVELOPMENT
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	TUBE_DEVELOPMENT
CLUAP1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	TUBE_DEVELOPMENT
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	TUBE_DEVELOPMENT
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	TUBE_DEVELOPMENT
ADAMTSL2	ENSG00000197859.10	323.110834	1.03741374	7.1891E-05	HepG2 24h SF	TUBE_DEVELOPMENT
DACT2	ENSG00000164488.12	630.965389	1.10987089	1.236E-05	HepG2 24h SF	TUBE_DEVELOPMENT
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	TUBE_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	TUBE_DEVELOPMENT
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	TUBE_DEVELOPMENT
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	TUBE_DEVELOPMENT
MTHFDL1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	TUBE_DEVELOPMENT
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	TUBE_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	TUBE_DEVELOPMENT
DLCI1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	TUBE_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	TUBE_DEVELOPMENT
AMOTL2	ENSG00000114019.14	4533.61286	1.21569518	1.1959E-17	HepG2 24h SF	TUBE_DEVELOPMENT
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	TUBE_DEVELOPMENT
NFE2L2	ENSG00000116044.12	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	TUBE_DEVELOPMENT
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	TUBE_DEVELOPMENT
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	TUBE_DEVELOPMENT
PUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	TUBE_MORPHOGENESIS
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	TUBE_MORPHOGENESIS
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	TUBE_MORPHOGENESIS
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	TUBE_MORPHOGENESIS
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	TUBE_MORPHOGENESIS
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	TUBE_MORPHOGENESIS
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	TUBE_MORPHOGENESIS
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	TUBE_MORPHOGENESIS
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	TUBE_MORPHOGENESIS
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	TUBE_MORPHOGENESIS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	TUBE_MORPHOGENESIS
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	TUBE_MORPHOGENESIS
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	TUBE_MORPHOGENESIS
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	TUBE_MORPHOGENESIS
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	TUBE_MORPHOGENESIS
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	TUBE_MORPHOGENESIS
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	TUBE_MORPHOGENESIS
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	TUBE_MORPHOGENESIS
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	TUBE_MORPHOGENESIS
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	TUBE_MORPHOGENESIS
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	TUBE_MORPHOGENESIS
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	TUBE_MORPHOGENESIS
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	TUBE_MORPHOGENESIS
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
THSD7A	ENSG000000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	TUBE_MORPHOGENESIS
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	TUBE_MORPHOGENESIS
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	TUBE_MORPHOGENESIS
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	TUBE_MORPHOGENESIS
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	TUBE_MORPHOGENESIS
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	TUBE_MORPHOGENESIS

SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	TUBE_MORPHOGENESIS
JUNB	ENSG0000011223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	TUBE_MORPHOGENESIS
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	TUBE_MORPHOGENESIS
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	TUBE_MORPHOGENESIS
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	TUBE_MORPHOGENESIS
JUN	ENSG00000176606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	TUBE_MORPHOGENESIS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	TUBE_MORPHOGENESIS
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	TUBE_MORPHOGENESIS
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	TUBE_MORPHOGENESIS
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	TUBE_MORPHOGENESIS
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	TUBE_MORPHOGENESIS
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	TUBE_MORPHOGENESIS
CLUAP1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	TUBE_MORPHOGENESIS
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	TUBE_MORPHOGENESIS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	TUBE_MORPHOGENESIS
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	TUBE_MORPHOGENESIS
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	TUBE_MORPHOGENESIS
MTHFD1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	TUBE_MORPHOGENESIS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	TUBE_MORPHOGENESIS
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	TUBE_MORPHOGENESIS
DLC1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	TUBE_MORPHOGENESIS
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	TUBE_MORPHOGENESIS
AMOTL2	ENSG00000114019.14	4533.61286	1.21569518	1.1959E-17	HepG2 24h SF	TUBE_MORPHOGENESIS
NEF2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	TUBE_MORPHOGENESIS
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	TUBE_MORPHOGENESIS
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	TUBE_MORPHOGENESIS
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
KCNJ8	ENSG00000121361.5	129.13007	2.58989581	6.0295E-19	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TBX4	ENSG00000121093.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TNFAIP3	ENSG00000108503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
VCAM1	ENSG00000162692.12	68.1691126	1.83578894	3.1078E-05	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CXCL8	ENSG00000169429.11	113.91802	1.39735235	0.00211239	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
THSD7A	ENSG000000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TNFRSF12A	ENSG000000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
POPCD3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
GNA13	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ARRHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ANKRD1	ENSG00000104677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
DHX36	ENSG00000174953.14	1445.53486	1.42868026	1.6664E-12	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TIEM231	ENSG00000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
JUN	ENSG00000176606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
MDM4	ENSG00000198625.13	2263.07519	1.3885716	8.8284E-22	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
WDPCCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
FHOD3	ENSG00000134775.15	35.2736383	1.2045222	0.02402725	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CLUAP1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
DLC1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ZFAND5	ENSG00000107372.13	3859.42125	1.21331172	3.8926E-24	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
AMOTL2	ENSG00000114019.14	4533.61286	1.21569518	1.1959E-17	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	CIRCULATORY_SYSTEM_DEVELOPMENT
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS

EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
THSD7A	ENSG0000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
ACTA1	ENSG00000143632.14	261.156064	3.38857374	1.455E-17	HepG2 24h SF	BLOOD_VESSEL_MORPHOGENESIS
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FD15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
DSUP1	ENSG00000120129.6	1004.95847	2.23875697	1.5778E-17	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CHRNA7	ENSG00000175344.18	41.1831137	1.6680674	0.00129139	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
THSD7A	ENSG0000005108.16	710.395589	1.51912301	6.7451E-11	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CNGB1IP1	ENSG00000100814.18	970.391609	1.5339073	4.661E-23	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ATP8B1	ENSG00000081923.14	515.71002	1.25376457	6.4824E-18	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FAT3	ENSG00000165323.15	49.038078	1.44032159	0.03240492	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NFKB2	ENSG0000007150.20	815.942767	1.1876172	7.678E-07	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
FHD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SEMA3C	ENSG00000075222.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CLUAP1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SAT1	ENSG00000130066.16	2663.71363	1.28627064	2.7909E-12	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS

MTHFD1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
DLCL1	ENSG00000164741.15	4402.15636	2.25695033	1.5713E-22	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SKIL	ENSG00000136603.64	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
AMOTL2	ENSG00000114019.14	4533.61286	1.21569518	1.1959E-17	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
UNC13D	ENSG00000092929.11	1580.19993	1.0850614	2.6447E-08	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
CEN1	ENSG00000164871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	ANATOMICAL_STRUCTURE_FORMATION_INVOLVED_IN_MORPHOGENESIS
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
HOXA2	ENSG00000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
PHLDA2	ENSG00000181649.8	67.768932	1.4038925	0.00010555	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
LRI3G3	ENSG00000139263.11	2400.56297	1.71581482	1.291E-18	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
SYF2	ENSG0000017614.10	390.094886	1.30586048	6.8457E-13	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
PLCD3	ENSG00000161714.12	801.385299	1.206304	1.9588E-07	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CLUA1P1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
ALX1	ENSG00000180318.4	116.495392	1.02689718	0.00845649	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
MTHFD1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	EMBRYONIC_ORGAN_DEVELOPMENT
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MYCL	ENSG00000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ATO8H	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
RFX6	ENSG00000185002.10	105.569776	1.91878489	0.02424007	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
TAGLN	ENSG00000149591.17	1568.29497	1.88403002	8.4946E-13	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ELF3	ENSG00000163435.16	2805.89488	1.91119498	3.3282E-49	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
KRT80	ENSG00000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
TFCP2L1	ENSG00000115112.8	100.394333	1.1652596	0.01693101	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ANKRD6	ENSG00000135299.17	464.759295	1.48704304	0.00275029	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
GNAI3	ENSG00000120063.10	5540.51539	1.88117964	3.9717E-74	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ARHGAP24	ENSG00000138639.18	170.034461	1.28115356	1.1861E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SIMI	ENSG00000112246.9	34.1694353	1.33585329	0.01841046	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
TMEM231	ENSG00000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
FSTL1	ENSG00000163430.12	162.101149	1.14941796	7.3712E-06	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
RIPK4	ENSG00000183421.12	810.084912	1.23830818	9.3187E-17	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
FST	ENSG00000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
F2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
FER	ENSG00000151422.13	1175.44675	1.18882119	1.9711E-06	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CDHR2	ENSG00000074276.10	501.554056	1.0655226	8.2129E-10	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CLUA1P1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CEP3	ENSG00000182923.17	534.550262	1.09169614	1.1535E-10	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ADAMTSL2	ENSG00000197859.10	323.110834	1.03741374	7.1891E-05	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
DACT2	ENSG00000164488.12	630.965389	1.10987089	1.236E-05	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MTHFD1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ARID4A	ENSG00000032219.19	801.865303	1.05155461	9.1099E-07	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	EPITHELIUM_DEVELOPMENT

DLCL1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
RFX3	ENSG00000080298.15	774.773108	1.01524945	0.00010619	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
FZD5	ENSG00000163251.4	7062.10247	1.00998949	6.9771E-13	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
MTIG	ENSG00000125144.13	698.80386	4.74217085	1.4249E-23	HepG2 24h SF	EPITHELIUM_DEVELOPMENT
IL11	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
UBD	ENSG00000213886.4	518.133725	2.22678648	2.3669E-36	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
VCAM1	ENSG00000162692.12	68.1691126	1.83578894	3.1078E-05	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
NFIL3	ENSG00000165030.4	2733.07652	2.08355326	3.1816E-58	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
PTGER4	ENSG00000171522.6	74.6858051	1.23140487	9.4458E-05	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
DNAJB9	ENSG00000128590.5	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
PLCL2	ENSG00000154822.18	309.610294	1.26130728	3.06E-06	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
E2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
CTSL	ENSG00000135047.15	1078.58244	1.05887183	2.8557E-10	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
CEBPG	ENSG00000153879.9	6408.09935	1.26618516	9.483E-18	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	MONONUCLEAR_CELL_DIFFERENTIATION
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TBX4	ENSG00000121075.11	746.330666	2.72301531	6.348E-62	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PAPPA2	ENSG00000116183.11	125.798778	2.15388867	1.019E-08	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
HOXA2	ENSG00000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TUFT1	ENSG00000143367.16	667.338537	1.92610813	1.346E-37	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ELF3	ENSG00000163435.16	2805.89488	1.9119498	3.3282E-49	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PLMDA2	ENSG00000181649.8	67.7686937	1.4038925	0.00010555	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ANKRD6	ENSG00000135299.17	464.755297	1.48704304	0.00275029	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
LRIG3	ENSG00000139263.11	2400.56299	1.71581482	1.291E-18	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
LAMC2	ENSG00000058085.15	41.0916894	1.32729247	0.00215222	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TMEFF1	ENSG00000241697.5	205.879829	1.27583807	4.2984E-05	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ACP5	ENSG00000102575.13	224.107489	1.13107595	2.3052E-05	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
HOXA1	ENSG00000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
FAT3	ENSG00000165323.15	49.038078	1.44032159	0.03240492	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
MDM4	ENSG00000198625.13	2263.07519	1.3885716	8.8284E-22	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
FST	ENSG00000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
CLUAP1	ENSG00000103351.13	258.823532	1.05318064	0.00031607	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ALX1	ENSG00000180318.4	116.495392	1.02689718	0.00845649	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
TIPARP	ENSG00000163659.13	951.028078	1.06975047	1.5547E-18	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
MTHFD1L	ENSG00000120254.15	2261.96181	1.18496906	3.6144E-24	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
RAB33B	ENSG00000172007.7	752.606263	1.02187686	9.2986E-17	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
DLCL1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ZFAND5	ENSG00000107372.13	3859.42125	1.21331172	3.8926E-24	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	ANIMAL_ORGAN_MORPHOGENESIS
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION

RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
KLF10	ENSG00000155090.15	1353.40959	1.86764477	4.1294E-46	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
BRINP3	ENSG00000162670.11	54.2435555	1.52109862	0.00024791	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ZMEDI	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
METRN1	ENSG00000176845.13	100.030424	1.37022721	6.0172E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
FAXDC2	ENSG00000170271.11	791.902523	1.56540563	1.2485E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
FNDC5	ENSG00000160097.18	40.5386469	1.20950494	0.02703552	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
DJH36	ENSG00000174953.14	1445.53486	1.42868026	1.6664E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6001E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
PARP6	ENSG00000137817.17	664.42363	1.16613853	6.9869E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ALX1	ENSG00000180318.4	116.495392	1.02689718	0.00845649	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
GOLGA4	ENSG00000144674.16	3738.17701	1.23047797	0.00841945	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
RFX3	ENSG00000080298.15	774.773108	1.01524945	0.00010619	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.06664	1.20775237	4.6248E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
UNC13D	ENSG00000092929.11	1580.19993	1.0850614	2.6447E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
HMGB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_CELL_DIFFERENTIATION
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	EMBRYONIC_CAMERA_TYPE_EYE_DEVELOPMENT
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ITPRIP	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
HMGB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ARRDC3	ENSG00000113369.9	2429.1905	2.84859638	2.203E-41	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
LRPL5	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
SLC25A25	ENSG00000148339.12	1605.29629	1.70640056	1.3899E-64	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
SELENOM	ENSG00000198832.10	971.23289	1.12947356	9.7377E-13	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
NAMPT	ENSG00000105835.12	2373.84734	1.23299839	2.8811E-18	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
PK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
CSFT1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
RASAL2	ENSG00000075391.16	1470.3106	1.10762191	7.3384E-14	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
STBD1	ENSG00000118804.8	659.482873	1.83032795	1.4521E-16	HepG2 24h SF	ADIPOSE_TISSUE_DEVELOPMENT
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	SELECTIVE_AUTOPHAGY
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	SELECTIVE_AUTOPHAGY
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	SELECTIVE_AUTOPHAGY
GABARAPL1	ENSG00000139112.11	1125.48843	1.28970127	1.3669E-12	HepG2 24h SF	SELECTIVE_AUTOPHAGY
ATG2B	ENSG00000066739.12	880.000057	1.07822797	4.3661E-09	HepG2 24h SF	SELECTIVE_AUTOPHAGY
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	SELECTIVE_AUTOPHAGY
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
HOXA2	ENSG00000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
NBR1	ENSG00000188554.14	4686.98608	1.20114674	3.5409E-11	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	REGULATION_OF_OSTEOSTEOST_DIFFERENTIATION
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
GPCPD1	ENSG00000125772.13	1513.39101	2.15551913	2.8139E-27	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
NR1D2	ENSG00000174738.13	2415.85904	2.18088579	2.3118E-31	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
FOXN2	ENSG00000170802.12	2822.34812	1.73281939	5.4933E-24	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
POPDC3	ENSG00000132429.10	209.833191	1.35552742	2.166E-07	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
EMD	ENSG00000102119.10	1204.0296	1.4947865	5.3438E-30	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
ACTV1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
COPS2	ENSG00000166200.15	2482.85179	1.16080224	4.3385E-13	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
CCNT2	ENSG00000082258.13	2101.4899	1.11222513	1.252E-10	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT

ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
USP36	ENSG00000055483.19	3095.89395	1.29680178	5.24E-23	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
PIK3CA	ENSG00000121879.5	1049.78081	1.09751356	1.3757E-09	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
UVRAG	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_MACROAUTOPHAGY
TRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
AKNA	ENSG00000106948.16	1596.8083	2.12928927	4.7815E-19	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
XCL1	ENSG00000143184.5	56.4579269	1.48795646	0.00028482	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
PAWR	ENSG00000177425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
SOCS6	ENSG00000170677.7	2081.43656	1.49541424	1.9317E-34	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
CBLB	ENSG00000114423.22	668.600673	1.23587066	7.7638E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION
HBEFG	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.55116E-12	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
ATOH8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
PLP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
MTIG	ENSG00000125144.13	698.80386	4.74217085	1.4249E-23	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_MIGRATION
OSCAR	ENSG00000170909.13	59.2325574	2.85429968	2.5219E-10	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
UBD	ENSG0000013886.4	518.133725	2.22678648	2.3669E-36	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
KLF10	ENSG00000155090.15	1353.40959	1.86764477	4.1294E-46	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
GAB2	ENSG00000033327.13	1121.69863	1.72163441	4.7371E-17	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
F2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	6.4248E-17	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MYELOID_LEUKOCYTE_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PM1AIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CXCL8	ENSG00000169429.11	113.911802	1.39753235	0.00211239	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CLGN	ENSG00000153132.13	862.701902	1.48429721	1.543E-07	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DNAJB9	ENSG00000128590.5	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ITPR1	ENSG00000150995.19	888.284363	1.22551572	2.537E-19	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ATXN3	ENSG00000066427.24	346.104925	1.00535137	0.00012281	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CREB3L3	ENSG00000060566.14	982.530588	1.0624399	4.0007E-06	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
IL11	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
NR1D1	ENSG00000126368.6	1189.00624	3.18989613	6.8955E-67	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
TRPM4	ENSG00000130529.12	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
METRN1	ENSG00000176845.13	100.030424	1.37022721	6.0172E-06	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
FABP3	ENSG00000121769.8	30.0186508	1.36462091	0.00286602	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
FND5	ENSG00000160097.18	40.5386469	1.20950494	0.02703552	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
ANGPTL8	ENSG00000130173.13	136.120966	1.18970139	2.2524E-05	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
ARL4A	ENSG00000122644.13	1141.98563	1.12965626	7.5317E-13	HepG2 24h SF	FAT_CELL_DIFFERENTIATION

FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	FAT_CELL_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	REGULATION_OF_CARTILAGE_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	POSITIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT
ACTA1	ENSG00000143632.14	261.156064	5.38857374	1.4557E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_CARTILAGE_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	STRIATED_MUSCLE_CELL_DEVELOPMENT
ANKRD1	ENSG00000148677.6	845.381002	1.47667514	1.6711E-13	HepG2 24h SF	STRIATED_MUSCLE_CELL_DEVELOPMENT
FHOD3	ENSG00000134775.15	35.2736383	1.12045222	0.02402725	HepG2 24h SF	STRIATED_MUSCLE_CELL_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	STRIATED_MUSCLE_CELL_DEVELOPMENT
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
JUP	ENSG00000173801.17	4263.40098	1.0004645	1.1393E-15	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	POSITIVE_REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
ELF3	ENSG00000163435.16	2805.89488	1.9119498	3.3282E-49	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
SC29A1	ENSG00000112759.18	2742.2158	1.66610826	6.4936E-49	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6011E-08	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	MAMMARY_GLAND_DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
DNAJB9	ENSG00000128590.5	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
CREB3L3	ENSG00000060566.14	982.530588	1.0624399	4.0007E-06	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	POSITIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
NUMR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
BBC3	ENSG00000105327.17	1035.5218	2.17919093	1.2874E-54	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SLAH1	ENSG00000196470.12	1244.57523	1.58115236	1.1438E-38	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
MYC	ENSG00000136997.19	5107.161199	1.6370083	1.0009E-25	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ARHGFE2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
RRN3	ENSG00000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TNFAIP3	ENSG00000118503.15	2499.81088	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ACVR1	ENSG0000011570.14	1035.18246	3.5824127	6.3101E-14	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TIPRIP	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
GCLC	ENSG00000001084.13	2193.98549	1.20211025	3.5642E-18	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ARHGFE2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
EYA4	ENSG00000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SIAH2	ENSG00000181788.4	1866.38732	1.09371623	2.6998E-10	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HMGCB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
METRNL	ENSG00000176845.13	100.030424	1.37022721	6.0172E-06	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
FABP3	ENSG00000121769.8	30.0186508	1.36462091	0.00286602	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION

FNDC5	ENSG00000160097.18	40.5386469	1.20950494	0.02703552	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
ARL4A	ENSG00000122644.13	1141.98563	1.12965626	7.5317E-13	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
MTFG	ENSG000001025144.13	698.80386	4.74217085	1.4249E-23	HepG2 24h SF	BROWN_FAT_CELL_DIFFERENTIATION
IL11	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
OSCAR	ENSG00000170909.13	59.2325574	2.85429968	2.5219E-10	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
UBD	ENSG0000013886.4	518.133725	2.22678648	2.3669E-36	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
VCAM1	ENSG00000162692.12	68.1691126	1.83578894	3.1078E-05	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
NFIL3	ENSG00000165030.4	2733.07652	2.08355326	3.1816E-58	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
KLF10	ENSG00000155090.15	1353.40959	1.86764477	4.1294E-46	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
GAB2	ENSG0000003327.13	1121.69863	1.72163441	4.7371E-17	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
PTGER4	ENSG00000171522.6	74.6858051	1.23140487	9.4458E-05	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
DNAJB9	ENSG00000128590.5	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
PLCL2	ENSG00000154822.18	309.610294	1.26130728	3.06E-06	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
F2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CTSL	ENSG00000135047.15	1078.58244	1.05887183	2.8557E-10	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
SP3	ENSG00000172845.5	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CEBPG	ENSG00000153879.9	6408.09935	1.26618516	9.483E-18	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	LEUKOCYTE_DIFFERENTIATION
ARRDC3	ENSG00000113369.9	2429.1905	2.84859638	2.203E-41	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
SLC25A25	ENSG00000148339.12	1605.29629	1.70640056	1.3899E-64	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
SELENOM	ENSG00000198832.10	971.23289	1.12947336	9.7377E-13	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
NAMPT	ENSG00000105835.12	2373.84734	1.23299839	2.8811E-18	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
RASAL2	ENSG00000075391.16	1470.3106	1.10762191	7.3384E-14	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
ACTA1	ENSG00000146322.14	261.156064	5.38857374	1.455E-17	HepG2 24h SF	CONNECTIVE_TISSUE_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	MYOTUBE_CELL_DEVELOPMENT
CAV2	ENSG00000105971.15	250.193131	1.05514433	0.00070117	HepG2 24h SF	MYOTUBE_CELL_DEVELOPMENT
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	MYOTUBE_CELL_DEVELOPMENT
CTNNA3	ENSG00000183230.17	81.8903385	1.88318401	0.04340404	HepG2 24h SF	MYOTUBE_CELL_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
CDHR2	ENSG00000074276.10	501.554056	1.10655226	8.2129E-10	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	HOMOTYPIC_CELL_CELL_ADHESION
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
HMGCB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
RND1	ENSG00000172602.11	412.252777	2.10532693	2.5328E-18	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
DUSP1	ENSG00000120129.6	1004.95847	2.23875697	1.5778E-17	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
AKNA	ENSG00000106948.16	1596.8083	2.12928927	4.7815E-19	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
XCL1	ENSG00000143184.5	56.4579269	1.48793646	0.00028482	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION

SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
PAWR	ENSG00000177425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
GBP1	ENSG0000017228.10	115.091126	1.21835863	0.00049294	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
SOCS6	ENSG00000170677.6	2081.43656	1.49541424	1.9317E-34	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
CLBL	ENSG00000114423.22	668.600673	1.23587066	7.7638E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
LPXN	ENSG00000110031.12	58.9575957	1.09205328	0.01421804	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
DACT2	ENSG00000164488.12	630.965389	1.10987089	1.236E-05	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
DLC1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_CELL_ADHESION
KLFL	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
PTGER4	ENSG00000171522.6	74.6858051	1.23140487	9.4458E-05	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	T_CELL_DIFFERENTIATION_INVOLVED_IN_IMMUNE_RESPONSE
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION
UNC5B	ENSG00000107731.12	1041.01684	2.80260804	3.1656E-27	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ITPR1P	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
GLCL	ENSG00000001084.13	2193.98549	1.20211025	3.5642E-18	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
EYA4	ENSG00000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SLAH2	ENSG00000181788.4	1866.38732	1.09371623	2.6998E-10	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HMG2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
HOXA2	ENSG00000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
WNT1	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
CYP24A1	ENSG0000019186.10	1917.05822	1.93951815	7.9722E-25	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
MEF2D	ENSG00000116604.18	1483.06306	1.53367434	1.0027E-26	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
NBR1	ENSG00000188554.14	4686.98608	1.20114674	3.5409E-11	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	OSTEOBLAST_DIFFERENTIATION
NUPI1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
DEP1	ENSG00000165507.9	536.037372	1.89482185	2.013E-18	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
PLK3	ENSG00000178466.13	296.441264	1.48298297	2.8609E-12	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
LAMP3	ENSG00000078081.8	91.7747603	1.10791106	0.00017621	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
ITPR1	ENSG00000150995.19	888.284363	1.22551572	2.537E-19	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
TRIB3	ENSG00000101255.11	6506.52065	1.46864341	2.9045E-21	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
USP36	ENSG00000055483.19	3095.89395	1.29680178	5.24E-23	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
UVRAG	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
RRAGD	ENSG00000025039.15	2742.52717	1.12223968	9.4384E-06	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
FZD5	ENSG00000163251.4	7062.10247	1.00998949	6.9771E-13	HepG2 24h SF	REGULATION_OF_AUTOPHAGY
NR1D1	ENSG00000126368.6	1189.00624	3.18989613	6.8955E-67	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
BHLHE41	ENSG00000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SEMA3D	ENSG00000153993.13	305.249854	2.26680404	7.6314E-05	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SPINT1	ENSG00000164145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
IFRD1	ENSG00000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
GBP1	ENSG00000117228.10	115.091126	1.21835863	0.00049294	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
DHX36	ENSG00000174953.14	1445.53486	1.42868026	1.6664E-12	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT

SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
PARP6	ENSG000000137817.17	664.42363	1.16613853	6.9869E-12	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SERPINE2	ENSG000000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
GOLGA4	ENSG000000144674.16	3738.17701	1.23047797	0.00841945	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
AXIN2	ENSG000000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SKIL	ENSG000000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
RFX3	ENSG00000008298.15	774.773108	1.01524945	0.00010619	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
ID2	ENSG000000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
UNC13D	ENSG000000092929.11	1580.19993	1.0850614	2.6447E-08	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SEMA3B	ENSG00000012171.20	3373.31631	1.1342639	9.4623E-10	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
HMG2	ENSG000000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
FUT1	ENSG000000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	REGULATION_OF_CELL_DEVELOPMENT
SEMA3E	ENSG000000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
BCL6	ENSG000000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
WDPCP	ENSG000000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
SDC4	ENSG000000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
CSF1	ENSG000000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
DLC1	ENSG000000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
JAG1	ENSG000000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
JUP	ENSG00000017801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
ACTG1	ENSG000000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
SIK1	ENSG000000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	REGULATION_OF_CELL_MATRIX_ADHESION
BHLHE41	ENSG000000123095.6	51.8915719	2.50220921	3.3358E-05	HepG2 24h SF	REGULATION_OF_MYOTUBE_DIFFERENTIATION
RBM24	ENSG000000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	REGULATION_OF_MYOTUBE_DIFFERENTIATION
NKX2-5	ENSG000000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	REGULATION_OF_MYOTUBE_DIFFERENTIATION
HDAC9	ENSG000000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_MYOTUBE_DIFFERENTIATION
CCN1	ENSG000000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	REGULATION_OF_MYOTUBE_DIFFERENTIATION
NKX2-5	ENSG000000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	APOPTOTIC_PROCESS_INVOLVED_IN_DEVELOPMENT
BCL2L11	ENSG000000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	APOPTOTIC_PROCESS_INVOLVED_IN_DEVELOPMENT
FZD5	ENSG000000163251.4	7062.10247	1.00998949	6.9771E-13	HepG2 24h SF	APOPTOTIC_PROCESS_INVOLVED_IN_DEVELOPMENT
DLL4	ENSG000000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
CRYAA	ENSG000000160202.7	66.2538827	2.54700449	1.9576E-05	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
KLF4	ENSG000000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
HOXA2	ENSG000000105996.7	72.3206146	1.97908194	1.9894E-10	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
CDK20	ENSG000000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
MYCL	ENSG000000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
PAX6	ENSG000000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
CEP290	ENSG000000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
ZEB1	ENSG000000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
LRP5L	ENSG000000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SLC25A25	ENSG000000148339.12	1605.29629	1.70640056	1.3899E-64	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
LRIG3	ENSG000000139263.11	2400.56297	1.71581482	1.291E-18	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
PDGFA	ENSG000000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
TMEM231	ENSG000000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
HOXA1	ENSG000000105991.9	234.411189	1.19206045	2.484E-06	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
ATP8B1	ENSG000000081923.14	515.71002	1.25376457	6.4824E-18	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
FAT3	ENSG000000165323.15	49.038078	1.44032159	0.03240492	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SMARCD3	ENSG000000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
JUN	ENSG000000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
WDPCP	ENSG000000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SDC4	ENSG000000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
STOX1	ENSG000000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
RARA	ENSG000000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
MSX1	ENSG000000163132.8	485.580053	1.10024622	3.1536E-07	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SLC7A11	ENSG000000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
GATA2	ENSG000000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
BCL2L11	ENSG000000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SKIL	ENSG000000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
SP3	ENSG000000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
EYA4	ENSG000000112319.19	461.729501	1.00004706	0.00028733	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
JAG1	ENSG000000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
PK4	ENSG000000004799.8	79.1003544	3.34224414	5.297E-31	HepG2 24h SF	SENSORY_ORGAN_DEVELOPMENT
DLL4	ENSG000000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	TISSUE_REMODELING
HAMP	ENSG000000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	TISSUE_REMODELING
TNFAIP3	ENSG000000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	TISSUE_REMODELING
ELF3	ENSG000000163435.16	2805.89488	1.91119498	3.3282E-49	HepG2 24h SF	TISSUE_REMODELING
LRP5L	ENSG000000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	TISSUE_REMODELING
AXL	ENSG000000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	TISSUE_REMODELING
TIE1	ENSG000000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	TISSUE_REMODELING
IL15	ENSG000000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	TISSUE_REMODELING
ACP5	ENSG000000102575.13	224.107489	1.13107595	2.3052E-05	HepG2 24h SF	TISSUE_REMODELING
SEMA3C	ENSG000000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	TISSUE_REMODELING
SUCO	ENSG000000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	TISSUE_REMODELING
JAG1	ENSG000000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	TISSUE_REMODELING
DDIT3	ENSG000000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	TISSUE_REMODELING
PMAIPI	ENSG000000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_STRESS_INDUCED_INTRINSIC_APOPTOTI C_SIGNALING_PATHWAY
NCK1	ENSG000000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_STRESS_INDUCED_INTRINSIC_APOPTOTI C_SIGNALING_PATHWAY
SIRT1	ENSG000000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_STRESS_INDUCED_INTRINSIC_APOPTOTI C_SIGNALING_PATHWAY
BCL2L11	ENSG000000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_STRESS_INDUCED_INTRINSIC_APOPTOTI C_SIGNALING_PATHWAY
EREG	ENSG000000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_STRESS_INDUCED_INTRINSIC_APOPTOTI C_SIGNALING_PATHWAY
KLF4	ENSG000000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
KRT17	ENSG000000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
NKX2-5	ENSG000000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
WNT11	ENSG000000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
MYCL	ENSG000000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
GLI1	ENSG000000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ATOX8	ENSG000000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
PAX6	ENSG00000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
RFX6	ENSG000000185002.10	105.569776	1.91878489	0.02424007	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
TAGLN	ENSG000000149591.17	1568.29497	1.88403002	8.4946E-13	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ZEB1	ENSG000000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ELF3	ENSG000000163435.16	2805.89488	1.91119498	3.3282E-49	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
KRT80	ENSG000000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
TFPC2L1	ENSG000000115112.8	100.394333	1.1652596	0.01693101	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
TIE1	ENSG000000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
TMEM231	ENSG000000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
FSTL1	ENSG000000163430.12	162.101149	1.4941796	7.3712E-06	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ACVRI	ENSG000000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
JUN	ENSG000000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
WDPCP	ENSG000000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
FST	ENSG000000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
F2RL1	ENSG000000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION

RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
FER	ENSG00000151422.13	1175.44675	1.18882119	1.9711E-06	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
CDHR2	ENSG00000074276.10	501.554056	1.10655226	8.2129E-10	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
CEP63	ENSG00000182923.17	534.550262	1.09169614	1.1535E-10	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
DACT2	ENSG00000164488.12	360.965389	1.10987089	1.236E-05	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ARID4A	ENSG0000003219.19	801.865303	1.05155461	9.1099E-07	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
RFX3	ENSG00000080298.15	774.7731108	1.01524945	0.00010619	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
FZD5	ENSG00000163251.4	7062.10247	1.00998949	6.9771E-13	HepG2 24h SF	EPITHELIAL_CELL_DIFFERENTIATION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
PIM1	ENSG00000137193.14	4479.31663	3.81966233	2.492E-176	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
IL34	ENSG00000157368.10	30.5638022	2.1226186	4.8182E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SPINT1	ENSG00000166145.14	496.267229	1.98576305	5.9202E-26	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
PLD6	ENSG00000179598.6	403.196926	1.8288809	4.7105E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CHRNA7	ENSG00000175344.18	41.183137	1.6680674	0.00129139	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
KLF10	ENSG00000155090.15	1353.40959	1.86764477	4.1294E-46	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
BRINP3	ENSG00000162670.11	54.2435555	1.52109862	0.00024791	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
METRNL	ENSG00000176845.13	100.030424	1.37022721	6.0172E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
AXL	ENSG00000167601.12	245.617217	1.43070705	3.2476E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
FAXDC2	ENSG00000170271.11	791.902523	1.56540563	1.2485E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
TIE1	ENSG00000066056.14	32.3215684	1.25569264	0.02492242	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CAPN2	ENSG00000162909.18	1332.97722	1.54920441	2.7409E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
FNDC5	ENSG00000160097.18	40.5386469	1.20950494	0.02703552	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
DHX36	ENSG00000174953.14	1445.53486	1.42868026	1.6664E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6011E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ACVRI	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SYT1	ENSG00000067715.15	532.68253	1.23525961	4.7959E-07	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
STOX1	ENSG00000165730.16	178.312263	1.13005619	0.00043764	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
FST	ENSG00000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
WARS2	ENSG00000116874.11	560.6848	1.12433216	2.1242E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
PARP6	ENSG00000137817.17	664.42363	1.16613853	6.9869E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ALX1	ENSG00000180318.4	116.495392	1.02689718	0.00845649	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
GOLGA4	ENSG00000144674.16	3738.17701	1.23047797	0.00841945	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
NFATC2	ENSG00000101096.20	1933.95548	1.1899306	1.4663E-20	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ARID4A	ENSG0000003219.19	801.865303	1.05155461	9.1099E-07	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
RFX3	ENSG00000080298.15	774.7731108	1.01524945	0.00010619	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
UNC13D	ENSG00000092929.11	1580.19993	1.0850614	2.6447E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
NFE2L2	ENSG00000116044.12	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
HMGCB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_DEVELOPMENTAL_PROCESS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
HMGCB2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
MYC	ENSG00000136997.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIA TOR
MSX1	ENSG00000106132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIA TOR
RRN3	ENSG00000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIA TOR
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	REGULATION_OF_INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIA TOR
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
ESTL1	ENSG00000163430.12	162.101149	1.14941796	7.3712E-06	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION

LPMX	ENSG00000110031.12	58.9575957	1.09205328	0.01421804	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	ENDOTHELIAL_CELL_MIGRATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
CRYAA	ENSG00000160202.7	66.2538827	2.54700449	1.9576E-05	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
CDK20	ENSG00000156345.17	51.4765816	1.94286942	1.4562E-08	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
CEP290	ENSG00000198707.16	566.261367	1.57811644	1.9605E-07	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
ZEB1	ENSG00000148516.21	980.60526	1.65497752	2.7522E-11	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
SLC25A25	ENSG00000148339.12	1605.29629	1.70640056	1.3899E-64	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
TMEM231	ENSG00000205084.11	137.365801	1.20156421	3.7093E-05	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
FAT3	ENSG00000165323.15	49.038078	1.44032159	0.03240492	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
WDRPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
SLC7A11	ENSG00000151012.13	3030.10044	1.27157756	1.5221E-07	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
SKIL	ENSG00000136603.14	4697.0742	1.22704921	6.1858E-09	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
NUPRI	ENSG00000176046.8	1057.35951	2.48020992	1.7378E-25	HepG2 24h SF	SENSORY_SYSTEM_DEVELOPMENT
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
JMY	ENSG00000152409.9	1109.29095	1.55009122	1.277E-14	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
ZNF385B	ENSG00000144331.20	46.0885463	1.32010955	0.00273699	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
RRP8	ENSG00000132275.11	749.397244	1.35515132	7.8364E-21	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
MYC	ENSG00000126897.19	5107.16199	1.6370083	1.0009E-25	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
TF53BP2	ENSG00000143514.17	3452.72607	1.47346441	1.0873E-37	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
RRN3	ENSG00000085721.12	2422.32424	1.06104668	2.5054E-15	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_BY_P53_CLASS_MEDIATOR
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
KRT80	ENSG00000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	KERATINOCYTE_DIFFERENTIATION
DLL4	ENSG00000128917.8	65.0939754	2.45333197	4.5516E-12	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
GADD45A	ENSG00000116717.13	811.902951	2.57354697	1.5528E-43	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
ATOX8	ENSG00000168874.13	146.394818	1.69134043	6.5018E-08	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
ANXA3	ENSG00000138772.13	627.7854	1.46261894	2.9753E-14	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	REGULATION_OF_ENDOTHELIAL_CELL_MIGRATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	GLAND_DEVELOPMENT
NKX2-5	ENSG00000183072.10	66.46469	1.91460737	5.3819E-06	HepG2 24h SF	GLAND_DEVELOPMENT
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	GLAND_DEVELOPMENT
WNT11	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	GLAND_DEVELOPMENT
GLI1	ENSG00000111087.10	40.1724666	1.74769237	0.00358902	HepG2 24h SF	GLAND_DEVELOPMENT
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	GLAND_DEVELOPMENT
ELF3	ENSG00000163435.16	2805.89488	1.91119498	3.3282E-49	HepG2 24h SF	GLAND_DEVELOPMENT
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	GLAND_DEVELOPMENT
TFPC2L1	ENSG00000115112.8	100.394333	1.1652596	0.01693101	HepG2 24h SF	GLAND_DEVELOPMENT
SLC29A1	ENSG00000112759.18	2742.2158	1.66610826	6.4936E-49	HepG2 24h SF	GLAND_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	GLAND_DEVELOPMENT
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6011E-08	HepG2 24h SF	GLAND_DEVELOPMENT
TGFA	ENSG00000163235.16	362.713182	1.18621363	3.1099E-08	HepG2 24h SF	GLAND_DEVELOPMENT
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	GLAND_DEVELOPMENT
JUN	ENSG00000177606.7	3651.43304	1.51239898	3.6325E-21	HepG2 24h SF	GLAND_DEVELOPMENT
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	GLAND_DEVELOPMENT
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	GLAND_DEVELOPMENT
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	GLAND_DEVELOPMENT
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	GLAND_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	GLAND_DEVELOPMENT
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	GLAND_DEVELOPMENT
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	GLAND_DEVELOPMENT
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	GLAND_DEVELOPMENT
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	GLAND_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	GLAND_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	GLAND_DEVELOPMENT
SP3	ENSG00000172845.15	5964.95203	1.24077455	1.7261E-21	HepG2 24h SF	GLAND_DEVELOPMENT
CEBPG	ENSG00000153879.9	6408.09935	1.26618516	9.483E-18	HepG2 24h SF	GLAND_DEVELOPMENT
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	GLAND_DEVELOPMENT
PLK2	ENSG00000145632.15	537.912968	1.63371683	3.0089E-08	HepG2 24h SF	GLAND_DEVELOPMENT
HDAC9	ENSG00000048052.21	274.239469	1.38987111	8.3745E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
SRPX2	ENSG00000102359.7	95.5717457	1.1193094	0.00044385	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
SIRT1	ENSG00000096717.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
AREG	ENSG00000109321.11	359.865267	2.89291626	9.1385E-57	HepG2 24h SF	POSITIVE_REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
LRP5L	ENSG00000100068.13	244.288151	1.43409601	4.1565E-11	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
NR3C1	ENSG00000113580.15	3373.99155	1.50253947	7.4552E-25	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
MSX1	ENSG00000163132.8	485.558053	1.10024622	3.1536E-07	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	MAMMARY_GLAND_EPITHELIUM_DEVELOPMENT
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION

PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
XLCL1	ENSG00000143184.5	56.4579269	1.48793646	0.00028482	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
PAWR	ENSG0000017425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
SOCS6	ENSG00000170677.6	2081.43656	1.49541424	1.9317E-34	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
CLBL	ENSG00000114423.22	668.600673	1.23587066	7.7638E-14	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	NEGATIVE_REGULATION_OF_LEUKOCYTE_CELL_CELL_ADHESION
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
DUOX2	ENSG00000140279.12	43.7411641	1.80698758	0.0004041	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
F2RL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
OCLN	ENSG00000117822.11	2170.37635	1.7407533	1.3855E-10	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	REGULATION_OF_WOUND_HEALING
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
PTGER4	ENSG00000171522.6	74.6858051	1.23140487	9.4458E-05	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
CTSL	ENSG00000135047.15	1078.58244	1.05887183	2.8557E-10	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
MYCL	ENSG00000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	ALPHA_BETA_T_CELL_DIFFERENTIATION
CDI09	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	REGULATION_OF_EPIDERMIS_DEVELOPMENT
MAFF	ENSG00000185022.12	668.423592	1.08715973	5.3846E-09	HepG2 24h SF	REGULATION_OF_EPIDERMIS_DEVELOPMENT
CXCL10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	REGULATION_OF_EPIDERMIS_DEVELOPMENT
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
IFRD1	ENSG00000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
MBNL1	ENSG00000152601.17	2968.55113	1.24181408	2.5995E-16	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
PLEKHM3	ENSG00000178385.15	1274.91449	1.08857322	4.2174E-14	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
FUT1	ENSG00000174951.11	49.639222	3.02286517	1.3339E-10	HepG2 24h SF	MYOBLAST_DIFFERENTIATION
CCN1	ENSG00000142871.17	1322.27413	3.1753486	3.9997E-58	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
KLFL4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
RND1	ENSG00000172602.11	412.252777	2.10532693	2.5328E-18	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
DUSP1	ENSG00000120129.6	1004.95847	2.23875697	1.5778E-17	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
CD55	ENSG00000196352.15	796.076488	2.15386714	7.1285E-20	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
VCAM1	ENSG00000162692.12	68.1691126	1.83578894	3.1078E-05	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
IRF1	ENSG00000125347.14	773.447834	1.97196665	5.0489E-14	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
AKNA	ENSG00000106948.16	1596.8083	2.12928927	4.7815E-19	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
PDE5A	ENSG00000138735.16	177.213251	1.63303392	3.7629E-08	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
CXCL8	ENSG00000169429.11	113.911802	1.39735235	0.00211239	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
XLCL1	ENSG00000143184.5	56.4579269	1.48793646	0.00028482	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
MYO10	ENSG00000145555.15	636.756299	1.66549414	3.292E-14	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ADGRG1	ENSG00000205336.12	2714.30111	1.94050495	3.3068E-30	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
PAWR	ENSG0000017425.11	4597.52911	1.90723901	5.7573E-36	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
GBP1	ENSG00000117228.10	115.091126	2.1835863	0.00049294	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
IL15	ENSG00000164136.17	49.983399	1.27745136	0.0018227	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
NUAK1	ENSG00000074590.13	1656.7128	1.48399134	7.5993E-20	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SOCS6	ENSG00000170677.6	2081.43656	1.49541424	1.9317E-34	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
PLPP3	ENSG00000162407.9	1809.60227	1.40866178	9.7455E-33	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
CLBL	ENSG00000114423.22	668.600673	1.23587066	7.7638E-14	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
LPXN	ENSG00000110031.12	58.9575957	1.09205328	0.01421804	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
EDIL3	ENSG00000164176.13	746.99003	1.32556121	3.5556E-05	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ASS1	ENSG00000130707.18	1041.85878	1.25873853	1.0075E-06	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ATXN3	ENSG00000066427.24	346.104925	1.00535137	0.00012281	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
FLCN	ENSG00000154803.13	2300.15995	1.23170633	4.6047E-19	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
DACT2	ENSG00000164488.12	630.965389	1.10987089	1.236E-05	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
STX3	ENSG00000166900.17	3291.27361	1.25242103	1.7126E-11	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
PIK3CA	ENSG00000121879.5	1049.78081	1.0975136	1.3757E-09	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
DLC1	ENSG00000164741.15	4402.15636	1.25695033	1.5713E-22	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
UNC13D	ENSG00000092929.11	1580.19993	1.0850614	2.6447E-08	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
PRNP	ENSG00000171867.17	2203.7818	1.02038288	6.3272E-08	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
MYCL	ENSG00000116990.11	78.8475918	1.66415057	3.7688E-07	HepG2 24h SF	REGULATION_OF_CELL_ADHESION
ATP8B1	ENSG00000081923.14	515.71002	1.25376457	6.4824E-18	HepG2 24h SF	MECHANORECEPTOR_DIFFERENTIATION
WDFPCP	ENSG00000143951.16	207.608995	1.05113114	1.5588E-08	HepG2 24h SF	MECHANORECEPTOR_DIFFERENTIATION
SDC4	ENSG00000124145.6	10423.6249	1.6411774	4.058E-36	HepG2 24h SF	MECHANORECEPTOR_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	MECHANORECEPTOR_DIFFERENTIATION
PIM1	ENSG00000137193.14	4479.31665	3.81966233	2.492E-176	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
DUSP10	ENSG00000143507.18	170.39128	2.03279676	3.4669E-19	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SEMA3D	ENSG00000153993.13	305.249854	2.26680404	7.6314E-05	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH

GDF15	ENSG00000130513.6	9590.04453	2.91155875	6.1196E-67	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
GLI1	ENSG00000111087.10	401.1724666	1.74769237	0.00358902	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SEMA3E	ENSG00000170381.14	54.2564882	1.68115171	0.00135062	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
IFRD1	ENSG00000006652.14	2386.65219	1.84644087	9.6596E-53	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SOCS2	ENSG00000120833.14	151.893157	1.11093785	9.6011E-08	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SYT1	ENSG00000067715.14	532.68253	2.23525961	4.7959E-07	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
STAT5A	ENSG00000126561.16	377.701393	1.05526571	5.1325E-05	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
GOLGA4	ENSG00000144674.16	3738.17701	1.23047797	0.00841945	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
PIK3CA	ENSG00000121879.5	1049.78081	1.09751136	1.3757E-09	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
CSF1	ENSG00000184371.14	917.142442	1.04577888	3.2744E-09	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
SEMA3B	ENSG00000012171.20	3373.31631	1.1342639	9.4623E-10	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
PMAIP1	ENSG00000141682.11	162.601322	1.60323119	2.257E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
G0S2	ENSG00000123689.6	47.5696107	1.47765019	1.4861E-05	HepG2 24h SF	POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
PDK4	ENSG00000004799.8	79.1003544	3.3424414	5.297E-31	HepG2 24h SF	POSITIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	REGULATION_OF_BONE_REMODELING
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_BONE_REMODELING
SUCO	ENSG00000094975.14	1714.70225	1.25513582	1.0195E-21	HepG2 24h SF	REGULATION_OF_BONE_REMODELING
ATF3	ENSG00000162772.17	726.389757	3.39003001	1.8094E-39	HepG2 24h SF	REGULATION_OF_BONE_REMODELING
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
PMAIP1	ENSG00000124882.4	162.601322	1.60323119	2.257E-09	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ITPR1P	ENSG00000148841.17	291.671206	1.02392002	7.7286E-07	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
SKIL	ENSG00000136603.14	4697.07442	1.22704921	6.1858E-09	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ARHGEF2	ENSG00000116584.19	2487.13148	1.16148437	4.6741E-12	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
HMG2	ENSG00000164104.12	9555.79206	1.2445448	2.486E-39	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
EREG	ENSG00000124882.4	153.802382	2.81347029	7.3525E-18	HepG2 24h SF	EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
ARRDC3	ENSG00000113369.9	2429.1905	2.84859638	2.203E-41	HepG2 24h SF	SKIN_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	SKIN_DEVELOPMENT
KRT17	ENSG00000128422.17	31.5200553	2.4458759	6.7541E-05	HepG2 24h SF	SKIN_DEVELOPMENT
PAX6	ENSG0000007372.23	784.741314	1.88453244	1.0195E-21	HepG2 24h SF	SKIN_DEVELOPMENT
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	SKIN_DEVELOPMENT
KRT80	ENSG00000167767.14	227.445745	1.41904252	5.0559E-09	HepG2 24h SF	SKIN_DEVELOPMENT
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	SKIN_DEVELOPMENT
FST	ENSG00000134363.12	148.778916	1.01803205	8.3546E-06	HepG2 24h SF	SKIN_DEVELOPMENT
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	SKIN_DEVELOPMENT
DACT2	ENSG00000164488.12	630.965389	1.10987089	1.236E-05	HepG2 24h SF	SKIN_DEVELOPMENT
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	SKIN_DEVELOPMENT
JUP	ENSG00000173801.17	4263.40098	1.00040645	1.1393E-15	HepG2 24h SF	SKIN_DEVELOPMENT
HBEGF	ENSG00000113070.8	120.613297	2.87243317	9.5367E-21	HepG2 24h SF	SKIN_DEVELOPMENT
KLF4	ENSG00000136826.15	248.283369	2.20260041	1.1305E-24	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
DUOX2	ENSG00000140279.12	43.7411641	1.80698758	0.0004041	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
TNFRSF12A	ENSG00000006327.13	1131.97239	1.60333965	5.4003E-20	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
PDGFA	ENSG00000197461.13	956.738623	1.42319557	2.9442E-13	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
FZRL1	ENSG00000164251.5	1106.98201	1.25275187	2.7205E-20	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
CD109	ENSG00000156535.15	315.690119	1.01679541	1.3387E-05	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
SERPINE2	ENSG00000135919.13	951.671421	1.12229941	2.0128E-08	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
OCLN	ENSG00000197822.11	2170.37635	1.17407533	1.3855E-10	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
SH2B3	ENSG00000111252.10	1610.21671	1.08375477	6.605E-11	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
ACTG1	ENSG00000184009.12	42248.0744	1.21985874	3.0289E-10	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
RELB	ENSG00000104856.14	439.747136	2.0370495	4.2023E-20	HepG2 24h SF	REGULATION_OF_RESPONSE_TO_WOUNDING
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
SMAD7	ENSG00000101665.9	4508.01519	1.99891505	1.6695E-42	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
BCL6	ENSG00000113916.18	663.929415	1.44469622	7.9565E-12	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
PTGER4	ENSG00000171522.6	74.6858051	1.23140487	9.4458E-05	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
JUNB	ENSG00000171223.6	993.566792	1.46518858	4.2557E-08	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
CTSL	ENSG00000135047.15	1078.58244	1.05887183	2.8557E-10	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
RIPK2	ENSG00000104312.8	431.76182	1.62544817	3.0279E-19	HepG2 24h SF	CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION
C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
OPTN	ENSG00000123240.17	1564.32993	1.53114428	6.3456E-20	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
HSPB8	ENSG00000152137.6	329.643611	1.14696185	4.1195E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
SIRT1	ENSG00000096711.12	875.894945	1.27656738	2.2394E-16	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
UCVRL9	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
XNCR10	ENSG00000169245.6	62.1172778	3.14998478	3.4124E-09	HepG2 24h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
DDIT3	ENSG00000175197.12	1550.58015	3.04218041	6.5488E-54	HepG2 24h SF	REGULATION_OF_MYOBLAST_DIFFERENTIATION
RBM24	ENSG00000112183.15	122.044226	2.19592704	9.5755E-14	HepG2 24h SF	REGULATION_OF_MYOBLAST_DIFFERENTIATION
SMARCD3	ENSG00000082014.16	403.16108	1.17049615	4.07E-12	HepG2 24h SF	REGULATION_OF_MYOBLAST_DIFFERENTIATION
SIK1	ENSG00000142178.9	560.210888	3.42409267	3.9665E-50	HepG2 24h SF	REGULATION_OF_MYOBLAST_DIFFERENTIATION
HAMP	ENSG00000105697.9	726.991354	2.41761909	7.0467E-26	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
VCAM1	ENSG00000162692.12	68.1691126	1.83578894	3.1078E-05	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
FHL2	ENSG00000115641.19	223.91345	1.59695357	1.4478E-14	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
DXH36	ENSG00000174953.14	1445.53486	1.42868026	1.6664E-12	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
ACVR1	ENSG00000115170.14	1035.18246	1.35824127	6.3101E-14	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
FHOD3	ENSG00000134775.15	35.2736383	1.2045222	0.02402725	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
SEMA3C	ENSG00000075223.14	101.142841	1.17463678	0.00689157	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
RARA	ENSG00000131759.18	1372.05282	1.27928864	4.3786E-24	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
JAG1	ENSG00000101384.12	8469.20774	1.22825247	1.0181E-17	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
IL1I	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	CARDIOCYTE_DIFFERENTIATION
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
WNT1	ENSG00000085741.13	111.151883	1.72427143	4.2671E-09	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
GATA2	ENSG00000179348.11	556.369186	1.05604685	1.2591E-08	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
ARRB2	ENSG00000141480.18	1139.92259	1.06398609	1.8818E-15	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
NFE2L2	ENSG00000116044.16	6818.56598	1.20153656	2.0562E-16	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
PPP1R15A	ENSG00000087074.8	4865.6418	3.25128179	1.726E-117	HepG2 24h SF	REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
ERN1	ENSG00000178607.16	1298.62908	2.16585634	4.4519E-36	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
DNAJB9	ENSG00000128590.7	1035.54075	1.43220533	9.6374E-24	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NCK1	ENSG00000158092.7	924.972987	1.32760174	1.0015E-13	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
BCL2L1	ENSG00000153094.23	1893.77263	1.16870086	1.6536E-09	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	REGULATION_OF_ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
STBD1	ENSG00000118804.8	659.482873	1.83032795	1.4521E-16	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION

C9orf72	ENSG00000147894.16	249.412481	1.31792603	5.9929E-11	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
GABARA PL1	ENSG00000139112.11	1125.48843	1.28970127	1.3669E-12	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
SH3GLB1	ENSG00000097033.14	2474.154	1.29590098	1.8E-13	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
ATG2B	ENSG00000066739.12	880.00057	1.07822797	4.3661E-09	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
RAB33B	ENSG00000172007.7	752.606263	1.02187686	9.2986E-17	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	HepG2 24h SF	AUTOPHAGOSOME_ORGANIZATION
COMP	ENSG00000105664.11	35.8713721	1.47655093	0.00652641	HepG2 24h SF	VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
NFATC2	ENSG00000101096.20	1935.95548	1.1899306	1.4663E-20	HepG2 24h SF	VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
PIMI	ENSG00000137193.14	4479.31663	3.81966233	2.492E-176	HepG2 24h SF	VASCULAR_ASSOCIATED_SMOOTH_MUSCLE_CELL_DIFFERENTIATION
ZBTB16	ENSG00000109906.14	172.418281	1.80399598	7.6962E-12	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
TRPM4	ENSG00000130529.16	458.142282	1.77000586	5.8503E-31	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
METRNL	ENSG00000176845.13	100.030424	1.37022721	6.0172E-06	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
FNDC5	ENSG00000160097.18	40.5386469	1.20950494	0.02703552	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
AXIN2	ENSG00000168646.13	3524.95975	1.28865098	2.3718E-10	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	4354.00664	1.20775237	4.6248E-17	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	4117.12892	1.19124013	5.9386E-24	HepG2 24h SF	POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION
MYO10	ENSG00000145555.15	636.756299	1.66549414	3.292E-14	HepG2 24h SF	REGULATION_OF_FILOPODIUM_ASSEMBLY
RAB3IP	ENSG00000127328.21	1005.22318	1.6016087	1.2914E-16	HepG2 24h SF	REGULATION_OF_FILOPODIUM_ASSEMBLY
WASL	ENSG00000106299.8	3844.66243	1.05803489	1.6125E-06	HepG2 24h SF	REGULATION_OF_FILOPODIUM_ASSEMBLY
IL11	ENSG00000095752.7	173.025477	2.74809505	3.1545E-24	HepG2 24h SF	REGULATION_OF_FILOPODIUM_ASSEMBLY
NUPR1	ENSG00000176046.8	1057.35951	2.4802092	1.7378E-25	HepG2 24h SF	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
NKX2-5	ENSG00000183072.10	66.46496	1.91460737	5.3819E-06	HepG2 24h SF	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
TNFAIP3	ENSG00000118503.15	2499.81008	2.43267139	1.5832E-54	HepG2 24h SF	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
CHMP4C	ENSG00000164695.5	363.049544	1.42013601	2.4875E-21	HepG2 24h SF	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS
UVRAG	ENSG00000198382.9	1208.05259	1.09488387	2.942E-15	HepG2 24h SF	AUTOPHAGOSOME_MATURATION
MSX1	ENSG00000163132.8	41.0329754	-1.12665744	0.0014433	SNU449 6h	HEAD_MORPHOGENESIS
CYP11B1	ENSG00000138061.12	907.801948	-1.25188774	4.4147E-28	SNU449 6h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
CCL2	ENSG00000108691.9	55.6346146	-1.62397765	0.00014591	SNU449 6h	REGULATION_OF_LYMPHOCYTE_MIGRATION
HSPA1B	ENSG00000204388.7	6635.3022	-1.54226121	1.7127E-31	SNU449 6h	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIG AND
HSPA1A	ENSG00000204389.10	8796.56559	-1.79877024	6.7646E-32	SNU449 6h	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_ABSENCE_OF_LIG AND
CCL2	ENSG00000108691.9	55.6346146	-1.62397765	0.00014591	SNU449 6h	T_CELL_MIGRATION
MSX1	ENSG00000163132.8	41.0329754	-1.12665744	0.0014433	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
MFSD2A	ENSG00000168389.17	51.2984882	-1.25811646	0.01125759	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
CYP11A1	ENSG00000140465.14	46.5315608	-1.39318828	0.00015314	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
CYTB2B1	ENSG00000003137.8	66.1282968	-1.37559354	0.00021039	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
FZD4	ENSG00000174804.4	1799.98217	-1.03793853	6.0359E-18	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
CYP11B1	ENSG00000138061.12	907.801948	-1.25188774	4.4147E-28	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
NKD1	ENSG00000140807.7	36.8338495	-4.94823067	0.00705132	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
INSIG1	ENSG00000186480.13	1177.99467	-1.59940912	1.0243E-39	SNU449 6h	SENSORY_ORGAN_DEVELOPMENT
MSX1	ENSG00000163132.8	41.0329754	-1.12665744	0.0014433	SNU449 6h	FACE_DEVELOPMENT
HSPA1B	ENSG00000204388.7	6635.3022	-1.54226121	1.7127E-31	SNU449 6h	NEGATIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
HSPA1A	ENSG00000204389.10	8796.56559	-1.79877024	6.7646E-32	SNU449 6h	NEGATIVE_REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY
MFNG	ENSG00000100060.18	95.0974767	-1.01450372	0.01034032	SNU449 6h	IMMUNE_SYSTEM_DEVELOPMENT
CYP26B1	ENSG00000003137.8	66.1282968	-1.37559354	0.00021039	SNU449 6h	IMMUNE_SYSTEM_DEVELOPMENT
PIK3R3	ENSG00000117461.15	599.02627	-1.08532112	1.3045E-11	SNU449 6h	IMMUNE_SYSTEM_DEVELOPMENT
HSPA1B	ENSG00000204388.7	6635.3022	-1.54226121	1.7127E-31	SNU449 6h	IMMUNE_SYSTEM_DEVELOPMENT
HSPA1A	ENSG00000204389.10	8796.56559	-1.79877024	6.7646E-32	SNU449 6h	IMMUNE_SYSTEM_DEVELOPMENT
CCL2	ENSG00000108691.9	55.6346146	-1.62397765	0.00014591	SNU449 6h	LYMPHOCYTE_MIGRATION
CCL2	ENSG00000108691.9	55.6346146	-1.62397765	0.00014591	SNU449 6h	REGULATION_OF_MONONUCLEAR_CELL_MIGRATION
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h	REGULATION_OF_MONONUCLEAR_CELL_MIGRATION
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
GPCPD1	ENSG00000125772.13	917.233442	1.29850958	1.321E-15	SNU449 6h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	SKELETAL_MUSCLE_ORGAN_DEVELOPMENT
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
GPCPD1	ENSG00000125772.13	917.233442	1.29850958	1.321E-15	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
PIMI	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
COL11A1	ENSG00000060718.22	47.8000887	1.05749161	0.01320775	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
CHAC1	ENSG00000128965.13	194.624065	2.26185142	5.7868E-28	SNU449 6h SF	MUSCLE_TISSUE_DEVELOPMENT
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DNAJC18	ENSG00000170464.10	222.996169	1.14349115	9.8813E-10	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
GDF15	ENSG00000130513.6	2508.04738	1.46483902	2.526E-17	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
GPCPD1	ENSG00000125772.13	917.233442	1.29850958	1.321E-15	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
SOSTDC1	ENSG00000171243.8	45.7046595	1.20291431	0.00271289	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
COL11A1	ENSG00000060718.22	47.8000887	1.05749161	0.01320775	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	MUSCLE_STRUCTURE_DEVELOPMENT
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	REGULATION_OF_AUTOPHAGY
OSBPL7	ENSG00000006025.12	132.226092	1.3409963	1.424E-05	SNU449 6h SF	REGULATION_OF_AUTOPHAGY
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	REGULATION_OF_AUTOPHAGY
TFEB	ENSG00000112561.18	73.9524704	1.10755647	0.00252566	SNU449 6h SF	REGULATION_OF_AUTOPHAGY
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	REGULATION_OF_AUTOPHAGY
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
GPCPD1	ENSG00000125772.13	917.233442	1.29850958	1.321E-15	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
COL11A1	ENSG00000060718.22	47.8000887	1.05749161	0.01320775	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	MUSCLE_ORGAN_DEVELOPMENT
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
OSBPL7	ENSG00000006025.12	132.226092	1.3409963	1.424E-05	SNU449 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
TFEB	ENSG00000112561.18	73.9524704	1.10755647	0.00252566	SNU449 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	PROCESS_UTILIZING_AUTOPHAGIC_MECHANISM
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
CTH	ENSG00000116761.12	452.524715	1.87139965	1.4485E-19	SNU449 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	ENDOPLASMIC_RETICULUM_UNFOLDED_PROTEIN_RESPONSE
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	MACROAUTOPHAGY

SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	MACROAUTOPHAGY
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	REGULATION_OF_MACROAUTOPHAGY
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	REGULATION_OF_MACROAUTOPHAGY
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
DDIT4	ENSG00000168209.5	1670.06558	1.87469879	1.0138E-10	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
GADD45A	ENSG00000116717.13	593.775253	2.8763362	5.5429E-15	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
MAP2K6	ENSG00000108984.15	709.346992	1.00887615	4.0076E-16	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
PRODH	ENSG00000100033.16	1069.78852	1.00754331	1.5073E-20	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
IRF5	ENSG00000128604.20	312.161267	1.02486685	4.9168E-05	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	POSITIVE_REGULATION_OF_CELL_DEATH
RAB3A	ENSG00000105649.10	87.7368079	1.07652658	0.00602909	SNU449 6h SF	CELL_PART_MORPHOGENESIS
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	CELL_PART_MORPHOGENESIS
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	FAT_CELL_DIFFERENTIATION
PIM1	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	FAT_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	FAT_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	FAT_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	FAT_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_DEATH
DDIT4	ENSG00000168209.5	1670.06558	1.87469879	1.0138E-10	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_DEATH
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_DEATH
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_DEATH
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_APOPTOTIC_PROCESS
CHAC1	ENSG00000128965.13	194.624065	2.26185142	5.7868E-28	SNU449 6h SF	POSITIVE_REGULATION_OF_NEURON_APOPTOTIC_PROCESS
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
SOSTDC1	ENSG00000171243.8	45.7046595	1.20291431	0.00271289	SNU449 6h SF	EPIDERMIS_MORPHOGENESIS
PIM1	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	EPIDERMIS_MORPHOGENESIS
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	BROWN_FAT_CELL_DIFFERENTIATION
RTN4RL1	ENSG00000185924.7	80.8470065	1.15727007	0.00024897	SNU449 6h SF	AXON_DEVELOPMENT
RAB3A	ENSG00000105649.10	87.7368079	1.07652658	0.00602909	SNU449 6h SF	AXON_DEVELOPMENT
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	AXON_DEVELOPMENT
ATF3	ENSG00000162772.17	210.271078	1.97310113	1.2707E-22	SNU449 6h SF	SKELETAL_MUSCLE_CELL_DIFFERENTIATION
NR4A1	ENSG00000123358.20	396.548588	1.5073606	3.4197E-24	SNU449 6h SF	SKELETAL_MUSCLE_CELL_DIFFERENTIATION
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	SKELETAL_MUSCLE_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	SKELETAL_MUSCLE_CELL_DIFFERENTIATION
PIM1	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
GDF15	ENSG00000130513.6	2508.04738	1.46483902	2.526E-17	SNU449 6h SF	REGULATION_OF_FAT_CELL_DIFFERENTIATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	MUSCLE_CELL_DIFFERENTIATION
CTH	ENSG00000116761.12	92.1771757	1.28044329	6.5335E-06	SNU449 6h SF	MUSCLE_CELL_DIFFERENTIATION
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	MUSCLE_CELL_DIFFERENTIATION
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	MUSCLE_CELL_DIFFERENTIATION
TFEB	ENSG00000112561.18	73.9524704	1.10755647	0.00252566	SNU449 6h SF	POSITIVE_REGULATION_OF_AUTOPHAGY
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	POSITIVE_REGULATION_OF_AUTOPHAGY
PCK2	ENSG00000100889.12	1094.34661	1.01746027	6.1416E-13	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
FOXJ1	ENSG00000129654.8	82.6930742	1.23998578	2.099E-06	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
KLF15	ENSG00000163884.4	37.6429194	1.41943296	0.00375189	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
SOSTDC1	ENSG00000171243.8	45.7046595	1.20291431	0.00271289	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
RHCG	ENSG00000140519.14	46.8277119	1.12330495	0.01990224	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
FOS	ENSG00000170345.10	245.857448	2.5834149	4.3577E-40	SNU449 6h SF	EPITHELIAL_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	NEURON_DEATH
DDIT4	ENSG00000168209.5	1670.06558	1.87469879	1.0138E-10	SNU449 6h SF	NEURON_DEATH
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	NEURON_DEATH
CX3CL1	ENSG00000006210.7	256.090169	1.00804387	1.7651E-11	SNU449 6h SF	NEURON_DEATH
CTH	ENSG00000116761.12	92.1771757	1.28044329	6.5335E-06	SNU449 6h SF	NEURON_DEATH
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	SMOOTH_MUSCLE_CELL_DIFFERENTIATION
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	SMOOTH_MUSCLE_CELL_DIFFERENTIATION
CX3CL1	ENSG00000006210.7	256.090169	1.00804387	1.7651E-11	SNU449 6h SF	POSITIVE_REGULATION_OF_MACROAUTOPHAGY
PIM1	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	REGULATION_OF_NEURON_MIGRATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	STRIATED_MUSCLE_TISSUE_DEVELOPMENT
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	STRIATED_MUSCLE_TISSUE_DEVELOPMENT
COL11A1	ENSG000000060718.22	47.8000887	1.05749161	0.01320775	SNU449 6h SF	STRIATED_MUSCLE_TISSUE_DEVELOPMENT
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	STRIATED_MUSCLE_TISSUE_DEVELOPMENT
FOXA2	ENSG00000125798.14	348.989142	1.01457213	8.5589E-10	SNU449 6h SF	RESPONSE_TO_WOUNDING
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	RESPONSE_TO_WOUNDING
CX3CL1	ENSG00000006210.7	256.090169	1.00804387	1.7651E-11	SNU449 6h SF	RESPONSE_TO_WOUNDING
RTN4RL1	ENSG00000185924.7	80.8470065	1.15727007	0.00024897	SNU449 6h SF	RESPONSE_TO_WOUNDING
RAB3A	ENSG00000105649.10	87.7368079	1.07652658	0.00602909	SNU449 6h SF	RESPONSE_TO_WOUNDING
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	RESPONSE_TO_WOUNDING
DDIT4	ENSG00000168209.5	1670.06558	1.87469879	1.0138E-10	SNU449 6h SF	DIGESTIVE_TRACT_MORPHOGENESIS
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	NEURON_MIGRATION
CX3CL1	ENSG00000006210.7	256.090169	1.00804387	1.7651E-11	SNU449 6h SF	NEURON_MIGRATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	NEURON_MIGRATION
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	NEURON_MIGRATION
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	NEURON_MIGRATION
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
CX3CL1	ENSG00000006210.7	256.090169	1.00804387	1.7651E-11	SNU449 6h SF	REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	REGULATION_OF_NERVOUS_SYSTEM_DEVELOPMENT
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	ENDOTHELIUM_DEVELOPMENT
SESN2	ENSG00000130766.5	497.86897	1.38525122	3.8296E-16	SNU449 6h SF	ENDOTHELIUM_DEVELOPMENT
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	SELECTIVE_AUTOPHAGY
SOSTDC1	ENSG00000171243.8	45.7046595	1.20291431	0.00271289	SNU449 6h SF	MYOBLAST_DIFFERENTIATION
HEY1	ENSG00000164683.17	67.8412965	1.42111626	5.6088E-06	SNU449 6h SF	REGULATION_OF_ENDOTHELIAL_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	NEGATIVE_REGULATION_OF_OXIDATIVE_STRESS_INDUCED_CELL_DEATH
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
DDIT3	ENSG00000175197.12	796.746517	1.99976209	3.9172E-37	SNU449 6h SF	REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	POSITIVE_REGULATION_OF_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
RAB3A	ENSG00000105649.10	87.7368079	1.07652658	0.00602909	SNU449 6h SF	CELLULAR_COMPONENT_MORPHOGENESIS
GDF15	ENSG00000130513.6	2508.04738	1.46483902	2.526E-17	SNU449 6h SF	CELLULAR_COMPONENT_MORPHOGENESIS
PIM1	ENSG00000137193.14	2546.0727	1.44743681	0.0005651	SNU449 6h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
DDIT4	ENSG00000168209.5	1670.06558	1.87469879	1.0138E-10	SNU449 6h SF	REGULATION_OF_DEVELOPMENTAL_GROWTH
ID2	ENSG00000115738.10	1113.52241	1.16712397	5.1928E-13	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT
DUSP10	ENSG00000143507.18	1517.35376	1.04414323	0.00169396	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT
CXCR4	ENSG00000121966.6	137.764398	1.15352508	4.2493E-05	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT

FOXJ1	ENSG00000129654.8	82.6930742	1.23998578	2.099E-06	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT
RTN4RL1	ENSG00000185924.7	80.8470065	-1.15727007	0.00024897	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT
NFAS1	ENSG00000130751.0	38.8757016	1.04497516	0.02755089	SNU449 6h SF	CENTRAL_NERVOUS_SYSTEM_DEVELOPMENT
RAB3A	ENSG00000105649.10	87.7368079	1.07652658	0.00602909	SNU449 6h SF	CELL_MORPHOGENESIS_INVOLVED_IN_NEURON_DIFFERENTIATION
NUPR1	ENSG00000176046.8	1876.01994	1.04580975	2.3127E-10	SNU449 6h SF	CEREBELLAR_CORTEX_DEVELOPMENT
ACVR2B	ENSG00000114739.14	832.124175	-1.07519952	3.2113E-13	SNU449 24h	PANCREAS_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	PANCREAS_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	PANCREAS_DEVELOPMENT
NKX3-2	ENSG00000109705.8	47.0123271	-1.66096142	1.0009E-06	SNU449 24h	PANCREAS_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_DEVELOPMENT
NKX3-2	ENSG00000109705.8	47.0123271	-1.66096142	1.0009E-06	SNU449 24h	COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_DEVELOPMENT
FASN	ENSG00000169710.9	31714.6537	-2.26511571	7.014E-132	SNU449 24h	COLUMNAR_CUBOIDAL_EPITHELIAL_CELL_DEVELOPMENT
PDGFB	ENSG00000100311.17	2036.9926	-1.10128516	1.0856E-51	SNU449 24h	RENAL_SYSTEM_VASCULATURE_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	RENAL_SYSTEM_VASCULATURE_DEVELOPMENT
EGR1	ENSG00000120738.8	329.197854	-3.09543043	2.461E-69	SNU449 24h	RENAL_SYSTEM_VASCULATURE_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	RENAL_SYSTEM_VASCULATURE_DEVELOPMENT
FASN	ENSG00000169710.9	31714.6537	-2.26511571	7.014E-132	SNU449 24h	GLANDULAR_EPITHELIAL_CELL_DEVELOPMENT
PDGFB	ENSG00000100311.17	2036.9926	-1.10128516	1.0856E-51	SNU449 24h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
IGFBP5	ENSG00000115461.5	1028.30688	-1.07299758	2.3785E-18	SNU449 24h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
FOXO4	ENSG00000184481.17	138.593203	-1.07717142	0.00031806	SNU449 24h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
CYP1B1	ENSG00000138061.12	621.249882	-1.50900316	6.371E-28	SNU449 24h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
HAS2	ENSG00000170961.7	624.174124	-1.85135058	3.1532E-29	SNU449 24h	POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION
DKK1	ENSG00000107984.10	10229.6423	-1.20858152	5.385E-47	SNU449 24h	NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
PDGFB	ENSG00000100311.17	2036.9926	-1.10128516	1.0856E-51	SNU449 24h	NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
FZD7	ENSG00000115760.2	647.771426	-1.15263797	5.162E-34	SNU449 24h	NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
FOXO4	ENSG00000184481.17	138.593203	-1.07717142	0.00031806	SNU449 24h	NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	NEGATIVE_REGULATION_OF_MUSCLE_CELL_DIFFERENTIATION
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	TYPE_B_PANCREATIC_CELL_DIFFERENTIATION
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	ENTEROENDOCRINE_CELL_DIFFERENTIATION
LIF	ENSG00000128342.5	3425.98465	-1.54224471	1.6234E-63	SNU449 24h	LUNG_MORPHOGENESIS
WNT2B	ENSG00000134245.18	242.446977	-1.23378751	0.00500813	SNU449 24h	LUNG_MORPHOGENESIS
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	LUNG_MORPHOGENESIS
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	LUNG_MORPHOGENESIS
FADD	ENSG00000168040.4	492.789022	-1.36350064	9.676E-46	SNU449 24h	T_CELL_MIGRATION
TMEM102	ENSG00000181284.3	143.89028	-1.41866441	4.0236E-15	SNU449 24h	T_CELL_MIGRATION
DKK1	ENSG00000107984.10	10229.6423	-1.20858152	5.385E-47	SNU449 24h	MIDBRAIN_DEVELOPMENT
FZD1	ENSG00000157240.4	458.319796	-1.16365921	1.3058E-19	SNU449 24h	MIDBRAIN_DEVELOPMENT
NRA42	ENSG00000153234.13	33.0558469	-1.75354778	9.1744E-06	SNU449 24h	MIDBRAIN_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	MIDBRAIN_DEVELOPMENT
SYNGR3	ENSG00000127561.15	73.7865345	-1.50483894	1.6271E-08	SNU449 24h	MIDBRAIN_DEVELOPMENT
GDF7	ENSG00000143869.7	435.861507	-1.42061274	1.4584E-09	SNU449 24h	MIDBRAIN_DEVELOPMENT
ACVR2B	ENSG00000114739.14	832.124175	-1.07519952	3.2113E-13	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
MEGF8	ENSG00000105429.13	2870.21021	-1.22518334	1.9167E-15	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
SALL1	ENSG00000103449.11	381.466444	-1.17910317	9.0083E-08	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
CCDC103	ENSG00000167131.17	38.1303442	-1.73562682	0.00476707	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
NKX3-2	ENSG00000109705.8	47.0123271	-1.66096142	1.0009E-06	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
DCHS1	ENSG00000166341.8	88.4419907	-1.8138944	1.6333E-08	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
PKDCC	ENSG00000162878.13	537.654908	-1.95007283	2.4287E-62	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
ITGB4	ENSG00000132470.14	2217.73607	-1.03498105	9.7908E-35	SNU449 24h	DIGESTIVE_SYSTEM_DEVELOPMENT
CSPG5	ENSG00000114646.10	183.984248	-1.08875571	1.7091E-08	SNU449 24h	GLIAL_CELL_DEVELOPMENT
MAPT	ENSG00000186868.15	79.7446966	-1.33898935	5.8935E-06	SNU449 24h	GLIAL_CELL_DEVELOPMENT
ZNF488	ENSG00000265763.4	712.67086	-1.33230448	2.0652E-31	SNU449 24h	GLIAL_CELL_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	GLIAL_CELL_DEVELOPMENT
LDLR	ENSG00000130164.13	3435.39213	-1.7202307	1.455E-128	SNU449 24h	GLIAL_CELL_DEVELOPMENT
PRX	ENSG00000105227.14	215.086688	-1.85480915	2.743E-27	SNU449 24h	GLIAL_CELL_DEVELOPMENT
PDGFB	ENSG00000100311.17	2036.9926	-1.10128516	1.0856E-51	SNU449 24h	NEPHRON_DEVELOPMENT
SALL1	ENSG00000103449.11	381.466444	-1.17910317	9.0083E-08	SNU449 24h	NEPHRON_DEVELOPMENT
LIF	ENSG00000128342.5	3425.98465	-1.54224471	1.6234E-63	SNU449 24h	NEPHRON_DEVELOPMENT
WNT2B	ENSG00000134245.18	242.446977	-1.23378751	0.00500813	SNU449 24h	NEPHRON_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	NEPHRON_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	NEPHRON_DEVELOPMENT
DCHS1	ENSG00000166341.8	88.4419907	-1.8138944	1.6333E-08	SNU449 24h	NEPHRON_DEVELOPMENT
EGR1	ENSG00000120738.8	329.197854	-3.09543043	2.461E-69	SNU449 24h	NEPHRON_DEVELOPMENT
AREG	ENSG00000109321.11	59.9341176	-1.01586311	0.00262256	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
PKHD1	ENSG00000170927.15	2016.70242	-1.1306981	1.7342E-47	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
SALL1	ENSG00000103449.11	381.466444	-1.17910317	9.0083E-08	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
WNT2B	ENSG00000134245.18	242.446977	-1.23378751	0.00500813	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
NKX3-1	ENSG00000167034.10	221.201635	-1.3145529	7.4315E-15	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
GDF7	ENSG00000143869.7	435.861507	-1.42061274	1.4584E-09	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
EDN1	ENSG00000078401.7	1035.54765	-1.64914265	1.6159E-39	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
NRARP	ENSG00000198435.4	85.0946078	-1.76320476	3.743E-12	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
DCHS1	ENSG00000166341.8	88.4419907	-1.8138944	1.6333E-08	SNU449 24h	BRANCHING_MORPHOGENESIS_OF_AN_EPITHELIAL_TUBE
SALL1	ENSG00000103449.11	381.466444	-1.17910317	9.0083E-08	SNU449 24h	ENDOCRINE_SYSTEM_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	ENDOCRINE_SYSTEM_DEVELOPMENT
SHH	ENSG00000164690.8	112.90858	-1.36620373	4.7961E-08	SNU449 24h	ENDOCRINE_SYSTEM_DEVELOPMENT
CYP1B1	ENSG00000138061.12	621.249882	-1.50900316	6.371E-28	SNU449 24h	ENDOCRINE_SYSTEM_DEVELOPMENT
EDN1	ENSG00000078401.7	1035.54765	-1.64914265	1.6159E-39	SNU449 24h	ENDOCRINE_SYSTEM_DEVELOPMENT
PDGFB	ENSG00000100311.17	2036.9926	-1.10128516	1.0856E-51	SNU449 24h	GLOMERULUS_DEVELOPMENT
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	GLOMERULUS_DEVELOPMENT
EGR1	ENSG00000120738.8	329.197854	-3.09543043	2.461E-69	SNU449 24h	GLOMERULUS_DEVELOPMENT
WNT9A	ENSG00000143816.8	81.4856793	-1.12693902	8.6358E-07	SNU449 24h	GLOMERULUS_DEVELOPMENT
RFLNB	ENSG00000183688.4	1207.10146	-1.34016535	1.8644E-27	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
BMP4	ENSG00000125378.16	419.160184	-1.33096761	4.2459E-14	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
NKX3-2	ENSG00000109705.8	47.0123271	-1.66096142	1.0009E-06	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
MAF	ENSG00000178573.7	48.663877	-1.74830895	0.00053111	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
PKDCC	ENSG00000162878.13	537.654908	-1.95007283	2.4287E-62	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1481.39323	2.35914978	8.047E-131	SNU449 24h	REGULATION_OF_CHONDROCYTE_DIFFERENTIATION
PPP1R15A	ENSG00000087074.8	6092.07439	1.90026951	1.468E-115	SNU449 24h S	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
PRKN	ENSG00000185345.21	31.4172067	1.64969205	0.01631027	SNU449 24h S	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
HSPA1A	ENSG00000204389.10	15394.6092	1.4008875	1.6779E-50	SNU449 24h S	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
CEBPB	ENSG00000172216.6	3261.01702	1.00243186	5.3058E-17	SNU449 24h S	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
KLF4	ENSG00000136826.15	300.133376	1.57200068	1.1656E-31	SNU449 24h S	INTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_IN_RESPONSE_TO_ENDOPLASMIC_RETICULUM_STRESS
VEGFA	ENSG00000112715.22	8314.73666	1.44821776	2.1314E-45	SNU449 24h S	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
PLK2	ENSG00000145632.15	13962.9748	1.47057345	5.516E-108	SNU449 24h S	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
GADD45A	ENSG00000116717.13	934.617158	2.60252398	5.046E-126	SNU449 24h S	REGULATION_OF_CELL_MIGRATION_INVOLVED_IN_SPROUTING_ANGIOGENESIS
KLF4	ENSG00000136826.15	300.133376	1.57200068	1.1656E-31	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
PLK2	ENSG00000145632.15	13962.9748	1.47057345	5.516E-108	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
MINARI	ENSG00000169330.8	56.9890216	1.05800235	0.00071852	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
PTPRM	ENSG00000173482.16	4392.85487	1.13198716	1.7741E-46	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT

ADGRB3	ENSG00000135298.14	43.9566694	1.15287738	0.03297084	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
SERPINE1	ENSG00000106366.8	30897.0061	1.19780128	7.702E-57	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
GADD45A	ENSG00000116717.13	934.617158	2.60252398	5.046E-126	SNU449 24h S	NEGATIVE_REGULATION_OF_VASCULATURE_DEVELOPMENT
KLF4	ENSG00000136826.15	300.133376	1.57200068	1.1656E-31	SNU449 24h S	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
DUSP10	ENSG00000143507.18	2292.12563	1.35757366	7.7563E-37	SNU449 24h S	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
PTPRM	ENSG00000173482.16	4392.85487	1.13198716	1.7741E-46	SNU449 24h S	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
ADRB2	ENSG00000169252.5	588.2979	1.74304056	9.0937E-48	SNU449 24h S	NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_MIGRATION
RGS2	ENSG00000116741.8	170.783434	1.42125745	5.5539E-11	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
PI3K	ENSG00000137193.14	5924.89341	1.79779501	7.349E-78	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
DUSP10	ENSG00000143507.18	2292.12563	1.35757366	7.7563E-37	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
FLCN	ENSG00000154803.13	3920.849	1.11368644	2.0742E-48	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
CEBPB	ENSG00000172216.6	3261.01702	1.00243186	5.3058E-17	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
HSPA6	ENSG00000173110.8	413.932667	6.60754164	4.542E-111	SNU449 24h S	BROWN_FAT_CELL_DIFFERENTIATION
DDIT3	ENSG00000175197.12	1481.39323	2.35914978	8.047E-131	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
CTH	ENSG00000116761.12	166.901291	1.68601679	1.2218E-13	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
PPP1R15A	ENSG00000087074.8	6092.07439	1.90026951	1.468E-115	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
YOD1	ENSG00000180667.10	2176.7744	1.6583995	1.063E-111	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
ATF3	ENSG00000162772.17	127.403348	1.31710571	2.0579E-08	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
HSPA1B	ENSG00000204388.7	13070.5364	1.67579071	2.822E-82	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
PRKN	ENSG00000185345.21	31.4172067	1.64969205	0.01631027	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
STC2	ENSG00000113739.10	12357.8638	1.36944287	1.0636E-68	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
HSPA1A	ENSG00000204389.10	15394.6092	1.4008875	1.6779E-50	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
GADD45A	ENSG00000116717.13	934.617158	2.60252398	5.046E-126	SNU449 24h S	CELLULAR_RESPONSE_TO_UNFOLDED_PROTEIN
KLF4	ENSG00000136826.15	300.133376	1.57200068	1.1656E-31	SNU449 24h S	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
VEGFA	ENSG00000112715.22	8314.73666	1.44821776	2.1314E-45	SNU449 24h S	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
PLK2	ENSG00000145632.15	13962.9748	1.47057345	5.516E-108	SNU449 24h S	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
HEY1	ENSG00000164683.17	59.2238606	1.69198894	2.3044E-07	SNU449 24h S	REGULATION_OF_BLOOD_VESSEL_ENDOTHELIAL_CELL_MIGRATION
TNFAIP3	ENSG00000118503.15	412.940567	2.31562835	3.4709E-10	SNU449 24h S	AORTA_MORPHOGENESIS
ATF3	ENSG00000162772.17	127.403348	1.31710571	2.0579E-08	SNU449 24h S	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
SERPINE1	ENSG00000106366.8	30897.0061	1.19780128	7.702E-57	SNU449 24h S	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
GADD45A	ENSG00000116717.13	934.617158	2.60252398	5.046E-126	SNU449 24h S	REGULATION_OF_EXTRINSIC_APOPTOTIC_SIGNALING_PATHWAY_VIA_DEATH_DOMAIN_RECEPTORS
TNFAIP3	ENSG00000118503.15	412.940567	2.31562835	3.4709E-10	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
ADM	ENSG00000148926.10	6695.85363	2.3398093	1.782E-143	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
KLF4	ENSG00000136826.15	300.133376	1.57200068	1.1656E-31	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
VEGFA	ENSG00000112715.22	8314.73666	1.44821776	2.1314E-45	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
PLK2	ENSG00000145632.15	13962.9748	1.47057345	5.516E-108	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
SI00A1	ENSG00000160678.11	37.5031749	1.26939701	0.00384617	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
MINAR1	ENSG00000169330.8	56.9890216	1.05800235	0.00071852	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
PTPRM	ENSG00000173482.16	4392.85487	1.13198716	1.7741E-46	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
ADGRB3	ENSG00000135298.14	43.9566694	1.15287738	0.03297084	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
SERPINE1	ENSG00000106366.8	30897.0061	1.19780128	7.702E-57	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT
CRISPLD2	ENSG00000103196.12	36.1537983	1.12085596	0.00200488	SNU449 24h S	REGULATION_OF_VASCULATURE_DEVELOPMENT