

Appendix

Changes in protein expression in the supernatant and pellet analysed by quantitative proteomic analysis after 48 hours. Expression in response to hypoxia (5% O₂), hyperoxia (95% O₂), and intermittent hyperoxia (5-95 % O₂ every 10 minutes) was compared with exposure to normoxia (Normal) (21% O₂). Row names represent the UNIPROT IDs that were assigned to the identified peptides. Ratio1,2 = protein expression in the intervention groups relative to normoxy (Normal) for replicate one and two. log2(meanRatio) = logarithm of the ratio averaged over both replicates, GeneID = gene name.

Pellet Hyperoxy vs. Normal	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
A8MXH2	14.286	1.25	2.958	NAP1L4
Q9UHC9-3	14.286	0.625	2.898	NPC1L1
Q13813-3	8.333	2.857	2.484	SPTAN1
Q9NYU2-2	9.524	1.042	2.401	UGGT1
F5H252	9.091	1.351	2.384	RERG
P78527-2	9.091	1.02	2.338	PRKDC
D6RCP8	9.091	0.962	2.33	LIAS
O60264	9.091	0.746	2.298	SMARCA5
O43852-5	0.057	0.37	-2.228	<NA>
Q71U36-2	8	0.743	2.128	TUBA1A
Q9BQE3	8	0.743	2.128	TUBA1C
HOYA76	6.667	1.042	1.947	CNOT6L
I3L0K7	5	2.41	1.889	TRAP1
Q5STU3	6.25	1.111	1.88	DDX39B
J3KRU1	0.251	0.299	-1.862	PPP4R1
P10275-2	5.556	0.935	1.698	AR
Q14574-2	1.667	4.348	1.589	DSC3
Q8IX21	4.762	1.111	1.554	FAM178A
Q5SYB0	3.448	1.923	1.425	FRMPD1
P62805	1.235	3.571	1.265	HIST1H4A
Q9Y219-2	2.703	2.041	1.246	JAG2
E9PL09	4	0.658	1.22	RPS3
Q96PP9	1.786	2.857	1.215	GBP4
Q9Y4A5-2	2.778	1.639	1.143	TRRAP
Q9NTI2	1.639	2.703	1.118	ATP8A2
P02452	3.175	0.962	1.049	COL1A1
C9J8T0	2.857	1.163	1.007	EEFSEC
Q05682	0.503	0.538	-0.942	CALD1
H3BMJ2	2.326	1.515	0.941	C15orf39
E9PH88	3.333	0.482	0.932	PMS1
Q9UL42	0.33	0.719	-0.931	PNMA2
O14980	2.703	1.111	0.931	XPO1
P50748	0.336	0.725	-0.915	KNTC1
Q5VUB5	0.181	3.448	0.86	FAM171A1
P78345	1.439	2.174	0.853	RPP38
Q8IZ73-2	2.632	0.909	0.824	RPUSD2
Q9Y5T5-5	0.524	0.613	-0.815	USP16
Q9P225-2	2.273	1.235	0.811	DNAH2
J3QS39	2.439	1.01	0.786	UBB
HOY5E1	0.935	2.5	0.78	LPIN3
Q5VYK3	0.813	0.356	-0.775	ECM29
Q58FF6	1.22	2.174	0.763	<NA>
P14618	1.515	1.852	0.751	PKM
F8WF83	2.857	0.382	0.696	SLC9A9
Q8TED0-3	2.062	1.075	0.649	UTP15
Q03001-8	2.299	0.826	0.644	DST
Q9ULJ7-2	0.621	0.662	-0.64	ANKRD50
AOA087WYX8	1.136	1.923	0.613	FRMPD4
C9J4M6	2	1.042	0.605	POLR2B
AOA087WU64	2.198	0.826	0.596	POLA1
Q9Y4F4	1.01	2	0.59	FAM179B
P07737	2.041	0.952	0.582	PFN1
F8VZY9	1.361	1.562	0.547	KRT18
Q9H2M9	1.333	0.038	-0.545	RAB3GAP2
Q05682-5	0.909	0.493	-0.513	<NA>
HOYAW6	0.279	1.124	-0.511	PABPC1
Q8NF91-7	0.676	0.727	-0.511	<NA>
P18669	0.549	0.855	-0.51	PGAM1
P26038	0.256	1.149	-0.509	MSN
O14617-3	0.826	0.581	-0.507	AP3D1
P05141	1.613	1.22	0.502	SLC25A5
F8W1R7	1.266	1.562	0.5	MYL6
HOY9Y4	1.282	1.527	0.49	RPS3A
E7ESE0	0.926	0.51	-0.478	RPL9
HOYJ97	0.639	0.8	-0.475	TRIP11
A5A3E0	0.671	0.775	-0.468	POTEF
Q13907-2	1.667	1.099	0.468	IDI1
P68363	0.599	0.855	-0.46	TUBA1B
Q9H2X9-2	0.567	0.889	-0.458	SLC12A5
A6NJZ3	1.25	1.46	0.438	OR6C65
P31949	1.064	0.417	-0.433	S100A11
Q07065	1.6	1.099	0.432	CKAP4
P11021	0.633	0.862	-0.42	HSPA5
P07195	0.379	1.149	-0.388	LDHB
Q8TDQ1	1.562	1.053	0.387	CD300LF
Q8WZ42-6	1.235	1.37	0.381	TTN
P63313	1.818	0.784	0.38	TMSB10
P46821	1.754	0.847	0.379	MAP1B
P08729	0.323	1.22	-0.374	KRT7
Q8N3K9	1.183	1.408	0.374	CMYA5
P00338	0.8	0.746	-0.371	LDHA
P09972	0.59	0.962	-0.366	ALDOC
P60709	1.429	1.099	0.338	ACTB
P68032	1.429	1.099	0.338	ACTC1
I3L2C7	1.307	1.22	0.337	GEMIN4
P04843	0.99	0.601	-0.33	RPN1
P07900	1.667	0.84	0.326	HSP90AA1
Q71UI9-2	1.01	1.493	0.324	H2AFV
P06733	0.563	1.042	-0.317	ENO1
Q9HAU5	0.847	1.639	0.314	UPF2
P54577	1.01	1.471	0.311	YARS
G3V1A1	0.442	1.183	-0.3	RPL8

P10412	1.13	1.333	0.3	HIST1H1E
O95626	0.99	0.654	-0.283	ANP32D
P07237	0.658	1.77	0.28	P4HB
P08238	1.504	0.917	0.276	HSP90AB1
P68104	1.099	1.299	0.262	EEF1A1
P30101	0.407	1.266	-0.258	PDIA3
Q8IWV7	0.606	1.07	-0.255	UBR1
P50454	1.351	1.031	0.252	SERPINH1
P63267	1.053	1.316	0.244	ACTG2
P62328	0.676	1.02	-0.238	TMSB4X
Q2M3G0-1	1.183	1.176	0.238	ABCB5
Q96AY3	1.37	0.985	0.236	FKBP10
Q5JWR5	0.935	1.408	0.228	DOPEY1
O60361	0.82	0.889	-0.227	NME2P1
O43707	1.205	1.136	0.227	ACTN4
AOA087WYA1	0.813	0.897	-0.226	MYO15A
P60174-1	1.316	1.02	0.224	TPI1
P62263	0.82	1.515	0.223	RPS14
Q93077	0.493	1.235	-0.211	HIST1H2AC
Q9H3E2-2	1.333	0.98	0.21	SNX25
P00558	1.37	0.926	0.199	PGK1
H3BMV4	0.943	1.333	0.187	ITGAM
Q16831	0.826	0.935	-0.184	UPP1
P07196	0.826	0.935	-0.184	<NA>
Q9H3P7	1.818	0.444	0.178	ACBD3
P21359-2	1.429	0.833	0.178	NF1
Q8IZT6	1.527	0.735	0.178	ASPM
P06748-3	0.943	0.833	-0.171	NPM1
Q99715-4	1.852	0.394	0.167	COL12A1
P00558-2	1.156	1.081	0.162	PGK1
P46940	1.258	0.98	0.162	IQGAP1
Q8NBS9-2	0.833	0.962	-0.156	TXNDC5
Q71DI3	0.752	1.471	0.153	<NA>
Q53GS7-2	0.833	0.971	-0.149	GLE1
K7EJB9	0.873	0.935	-0.146	CALR
Q9P219	0.714	1.099	-0.142	CCDC88C
Q6ZMU5-2	0.323	1.493	-0.139	TRIM72
P08758	0.304	1.515	-0.137	ANXA5
Q5HY54	1.01	0.813	-0.134	FLNA
Q8IVF2-3	1.111	0.719	-0.128	AHNAK2
P04083	1.02	1.163	0.126	ANXA1
P35580	1.242	0.935	0.122	MYH10
Q8IVL0-3	1.282	0.893	0.121	NAV3
Q09666	1.149	0.966	0.081	AHNAK
P67936-2	0.714	1.19	-0.071	<NA>
Q5JQ13	0.952	0.952	-0.071	VCL
G3V1A4	0.712	1.205	-0.061	CFL1
P04075	0.93	0.995	-0.055	ALDOA
K7EK07	0.578	1.471	0.035	H3F3B
P67936	0.99	0.962	-0.035	TPM4
P12814	0.99	1.058	0.034	ACTN1
P35579	0.855	1.19	0.032	MYH9
Q6ZNA1	1.099	0.939	0.027	ZNF836
E7ETU9	1.136	0.901	0.026	PLOD2
P14625	0.943	1.031	-0.019	HSP90B1
E7ENZ3	1.053	0.971	0.017	CCT5
P29966	0.909	1.075	-0.012	MARCKS
Pellet Hypoxy vs. Normal				
	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
Q9Y4G2	1.087	9.091	2.347	PLEKHM1
Q9H2M9	1.053	7.692	2.128	RAB3GAP2
Q32MZ4-3	6.667	0.645	1.87	LRRFIP1
P08758	0.482	0.134	-1.699	ANXA5
Q99715-4	0.493	0.168	-1.597	COL12A1
P62328	5.263	0.602	1.552	TMSB4X
Q8TDQ1	1.02	4.762	1.532	CD300LF
Q8NDV3-2	0.656	0.079	-1.444	SMC1B
P49792	0.16	0.578	-1.438	RANBP2
Q8IVL0-3	0.588	4.348	1.303	NAV3
P25705-2	1.087	3.175	1.092	ATP5A1
Q95197-3	0.224	0.719	-1.085	<NA>
Q9UPN3-4	0.185	0.781	-1.05	<NA>
P23471-3	3.704	0.353	1.02	PTPRZ1
I3L3E9	1.667	2.381	1.017	FEN1
P30101	0.592	0.397	-1.016	PDIA3
P06748-3	1.124	2.857	0.993	NPM1
E7ETU9	1.111	2.857	0.988	PLOD2
Q9H2X9-2	0.58	0.439	-0.973	SLC12A5
P04075	0.752	3.125	0.955	ALDOA
Q8TE73	3.226	0.532	0.91	DNAH5
Q92817	0.352	0.719	-0.901	EVPL
Q0VDD8-4	0.719	0.357	-0.894	DNAH14
Q9P225-2	2.778	0.93	0.891	DNAH2
C9J8T0	0.373	0.714	-0.88	EEFSEC
Q63HN8	1.053	2.5	0.829	RNF213
P14625	1.299	2.222	0.816	HSP90B1
P09972	0.342	3.125	0.794	ALDOC
Q5JWR5	1.015	2.439	0.788	DOPEY1
Q8TED0-3	1.613	1.739	0.745	UTP15
Q9H040	1.266	2.083	0.744	SPRTN
Q9YST5-5	0.8	0.439	-0.691	USP16
Q8IX21	0.939	2.128	0.617	FAM178A
P63313	0.943	0.368	-0.609	TMSB10
HOY4W2	2.632	0.413	0.606	TRRAP

Q9NU22	0.298	1.02	-0.602	MDN1
H0YEV9	1.136	1.852	0.579	MYO18A
Q9Y6V0-2	0.645	0.699	-0.573	<NA>
A0A087WYX8	1.538	1.282	0.496	FRMPD4
Q9NR09	1.124	1.695	0.495	BIRC6
Q9H3P7	0.926	1.852	0.474	ACBD3
P09382	1.905	0.858	0.466	LGALS1
P06733	0.772	0.68	-0.462	ENO1
J3KRU1	0.623	0.833	-0.458	PPP4R1
A5A3E0	0.935	0.533	-0.446	POTEF
P18669	1.905	0.8	0.436	PGAM1
P11021	2.469	0.205	0.419	HSPA5
P35749-4	0.641	0.862	-0.412	MYH11
P07900	1.22	1.429	0.405	HSP90AA1
P62805	1.408	1.22	0.394	HIST1H4A
J3Q539	2.273	0.345	0.388	UBB
P07737	1.099	0.431	-0.386	PFN1
P68104	0.866	0.676	-0.375	EEF1A1
Q9HAU5	2.041	0.552	0.375	UPF2
P00558-2	1.37	0.173	-0.374	PGK1
Q5SYB0	1.307	1.282	0.372	FRMPD1
Q13813-3	1.439	0.111	-0.368	SPTAN1
H0YC36	1.695	0.885	0.367	CDK16
K7EK07	1.587	0.962	0.35	H3F3B
H0YA76	1.047	0.529	-0.344	CNOT6L
Q86U04	0.943	0.633	-0.344	ABCA13
X6RM00	1.538	0.971	0.327	ERC1
I3L0K7	1.408	0.196	-0.318	TRAP1
Q9P2E3	0.935	1.538	0.306	ZNFX1
P08238	1.042	1.429	0.305	HSP90AB1
POC7P3-2	1.389	1.075	0.301	SLFN14
F8W1R7	1.25	0.383	-0.292	MYL6
Q14204	1.493	0.935	0.28	DYNC1H1
A8MXH2	0.87	1.527	0.261	NAP1L4
Q71DI3	1.418	0.962	0.251	<NA>
Q5JQ13	0.893	0.797	-0.243	VCL
A8MTE9	0.917	0.806	-0.215	TTC12
Q01518-2	1.176	0.552	-0.211	CAP1
Q9Y4A5-2	1.449	0.287	-0.204	TRRAP
Q8NF91-7	1.515	0.787	0.203	<NA>
P46940	0.82	0.926	-0.196	IQGAP1
P04083	1.099	1.19	0.195	ANXA1
H0YKL9	0.893	1.389	0.19	ANXA2
K7EJB9	0.8	0.957	-0.187	CALR
P02452	1.205	1.064	0.182	COL1A1
P60709	1.481	0.781	0.178	ACTB
P68032	1.481	0.781	0.178	ACTC1
Q9Y4F4	1.064	1.176	0.163	FAM179B
P46939	0.813	0.976	-0.161	UTRN
P78345	1.575	0.654	0.156	RPP38
Q5HY54	1.695	0.532	0.155	FLNA
H0Y9Y4	0.98	0.826	-0.147	RPS3A
Q5VYK3	0.901	0.909	-0.144	ECM29
P35580	0.885	0.935	-0.136	MYH10
P50748	0.21	1.613	-0.134	KNTC1
Q5STU3	0.917	0.909	-0.131	DDX39B
Q8N3K9	1.538	0.612	0.104	CMYA5
P12814	1.07	1.075	0.101	ACTN1
Q8I WV7	1.449	0.422	-0.096	UBR1
P14618	0.948	0.926	-0.094	PKM
E9PL09	0.935	1.198	0.093	RPS3
Q6ZRQ5	1.562	0.568	0.091	MMS22L
F8VZY9	1.515	0.37	-0.085	KRT18
Q09666	1.163	0.939	0.072	AHNAK
D6RCP8	0.862	1.042	-0.071	LIAS
F5H252	0.862	1.042	-0.071	RERG
Q07065	1.111	0.794	-0.07	CKAP4
Q8TEW0-9	1.266	0.833	0.07	PARD3
Q8IVF2-3	1.124	0.971	0.067	AHNAK2
P63267	1.01	0.926	-0.047	ACTG2
Q5T321	1.37	0.69	0.043	NBEA
P00558	0.746	1.22	-0.025	PGK1
P67936	0.855	1.176	0.022	TPM4
Q5T699	1.031	0.99	0.015	C6orf183
Q9ULJ7-2	1.562	0.424	-0.01	ANKRD50
O43707	0.855	1.156	0.008	ACTN4
P35579	1.124	0.877	0.001	MYH9
Pellet Oscillation vs. Normal				
	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
H0Y4W2	11.111	12.5	3.561	TRRAP
E7EVQ6	16.667	1.389	3.174	SQLE
Q9H2X9-2	12.5	0.943	2.749	SLC12A5
G3V2A0	0.137	0.216	-2.502	PAPOLA
P62328	0.239	0.282	-1.941	TMSB4X
Q68CZ1-2	0.135	0.398	-1.908	RPGRIPI1L
Q09666	0.826	6.25	1.823	AHNAK
P49792	0.346	0.23	-1.796	RANBP2
H0Y9Y4	1.099	5.128	1.639	RPS3A
O14867	0.208	0.448	-1.608	BACH1
P54577	1.22	4.348	1.477	YARS
Q71UI9-2	1.22	4.348	1.477	H2AFV
P10412	1.156	4.348	1.46	HIST1H1E
P08758	0.524	0.298	-1.283	ANXA5
P62263	3.704	1.099	1.264	RPS14

H0YAW6	4.348	0.316	1.222	PABPC1
Q9H3P7	1.852	2.703	1.187	ACBD3
O95197-3	1.695	2.703	1.137	<NA>
Q5VYK3	0.694	0.23	-1.114	ECM29
P00558-2	2.941	1.351	1.102	PGK1
Q9ULJ7-2	1.562	2.703	1.093	ANKRD50
E9PH88	0.82	0.174	-1.009	PMS1
Q8TEW0-9	2.941	0.962	0.965	PARD3
Q9UPN3-4	0.334	0.699	-0.953	<NA>
K7EPG1	0.725	0.347	-0.9	ADNP2
Q99715-4	1.124	2.564	0.883	COL12A1
P08670	0.862	0.231	-0.872	VIM
A5A3E0	0.787	0.312	-0.864	POTEF
Q5JWR5	0.76	2.857	0.855	DOPEY1
Q58FF6	3.125	0.322	0.785	<NA>
Q8IVL0-3	0.526	0.654	-0.761	NAV3
Q08378-2	0.719	0.493	-0.723	GOLGA3
Q07065	3.03	0.249	0.713	CKAP4
G3V1A1	0.901	0.326	-0.705	RPL8
P12814	1.351	1.786	0.649	ACTN1
P07737	0.909	0.368	-0.647	PFN1
P09972	0.203	1.087	-0.633	ALDOC
P04075	0.556	0.769	-0.594	ALDOA
O60361	0.645	2.353	0.584	NME2P1
P67936	0.917	0.424	-0.577	TPM4
G3XAH6	2.778	0.199	0.574	PAPOLA
P50454	2.174	0.803	0.574	SERPINH1
P67936-2	0.935	0.424	-0.557	<NA>
Q5HY54	2.02	0.917	0.554	FLNA
H3BMJ2	0.274	1.099	-0.543	C15orf39
Q5JTD0-4	2.632	0.279	0.542	TJAP1
Q7Z7B0-3	1.429	1.471	0.536	FILIP1
F8VZY9	1.22	0.195	-0.499	KRT18
O14777	0.935	1.818	0.461	NDC80
Q8IVF2-3	0.645	0.813	-0.456	AHNAK2
P04843	1.887	0.855	0.455	RPN1
AOA087WU64	0.59	0.885	-0.439	POLA1
O43707	1.695	1	0.43	ACTN4
K7EJB9	0.699	0.794	-0.422	CALR
Q9P225-2	1.031	1.575	0.382	DNAH2
P78345	0.69	0.847	-0.38	RPP38
P63313	1.504	1.087	0.374	TMSB10
P68032	1.235	0.316	-0.367	ACTC1
Q8NF91-7	1.29	0.264	-0.364	<NA>
P04083	1.37	1.198	0.361	ANXA1
P63267	1.075	0.529	-0.318	ACTG2
P30101	0.699	0.917	-0.308	PDIA3
J3KRU1	0.87	0.746	-0.308	PPP4R1
Q8WZ42-6	1.37	1.087	0.297	TTN
Q6ZRQ5	1.235	1.22	0.296	MMS22L
J3QS39	1.471	0.166	-0.289	UBB
Q01995	0.671	0.971	-0.285	TAGLN
P0C7P3-2	1.562	0.862	0.277	SLFN14
Q8IZT6	1.19	0.469	-0.27	ASPM
P29966	1.047	0.625	-0.258	MARCKS
P60709	1.37	0.316	-0.246	ACTB
Q6ZMG9	1	1.37	0.245	CERS6
Q03001-9	1.299	1.053	0.234	<NA>
Q9H2M9	0.781	0.926	-0.229	RAB3GAP2
P62805	0.98	0.743	-0.215	HIST1H4A
P35580	0.943	1.351	0.198	MYH10
P00558	1.053	0.694	-0.195	PGK1
Q8TDQ1	1.031	1.25	0.19	CD300LF
Q9Y4F4	0.901	0.87	-0.175	FAM179B
Q71DI3	0.877	1.37	0.168	<NA>
Q0VDD8-4	1.471	0.775	0.167	DNAH14
Q8NF91-8	0.935	0.855	-0.16	SYNE1
P00338	0.917	0.885	-0.15	LDHA
P35579	0.699	1.515	0.147	MYH9
O60333-2	0.877	0.935	-0.142	KIF1B
Q01518-2	0.82	1.01	-0.128	CAP1
P18669	0.962	1.22	0.126	PGAM1
P11532-4	1.235	0.943	0.123	DMD
Q8N3K9	1.653	0.521	0.12	CMYA5
P68363	0.599	1.25	-0.113	TUBA1B
P14625	1.266	0.885	0.105	HSP90B1
Q9H3E2-2	0.909	1.235	0.1	SNX25
Q9UL42	0.794	1.087	-0.089	PNMA2
Q05682-5	0.985	0.901	-0.085	<NA>
Q96AY3	0.725	1.389	0.08	FKBP10
P05141	1	1.111	0.078	SLC25A5
K7EK07	0.735	1.37	0.074	H3F3B
D6RCP8	0.826	1.075	-0.073	LIAS
F5H252	0.826	1.075	-0.073	RERG
P06733	1.163	0.752	-0.063	ENO1
AOA087X055	1.282	0.803	0.06	COL6A1
P14618	0.909	1.163	0.051	PKM
P07900	1.047	0.889	-0.047	HSP90AA1
P21359-2	0.957	1.01	-0.024	NF1
C9J4M6	1	1.031	0.022	POLR2B
E9PL09	0.84	1.136	-0.017	RP53
P08238	1.205	0.781	-0.01	HSP90AB1
P02452	1.099	0.893	-0.006	COL1A1
Q8IXZ2	1.053	0.943	-0.003	ZC3H3

Supernatant Hyperoxy vs. Normal	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
Q9P225-2	100	1.266	5.662	DNAH2
U3KQJ8	33.333	33.333	5.059	<NA>
HOY3Q9	50	1.667	4.691	FAM214A
J3QSH7	50	0.787	4.666	RBBP8
P42285	50	0.432	4.656	SKIV2L2
Q5M775-5	10	25	4.129	SPECC1
O60762	6.667	16.667	3.544	DPM1
Q16696	20	2.597	3.498	CYP2A13
HOY9N4	1.087	20	3.398	COMMD10
AOA087WV19	0.556	12.5	2.707	<NA>
HOYAK2	2.564	10	2.651	PPA2
D6RC24	7.143	3.226	2.374	GAK
Q9UPN3-5	7.692	1.786	2.245	MACF1
Q68D85	6.25	3.226	2.244	NCR3LG1
Q9P2D7-2	0.478	0.059	-1.897	DNAH1
K7EQB8	0.398	0.196	-1.751	RANBP3
O00160	3.571	3.125	1.743	MYO1F
Q8IVS8-7	0.21	6.452	1.736	GLYCTK
Q8WU79-3	2.273	4.348	1.727	SMAP2
Q96QC0	0.116	6.25	1.67	PPP1R10
Q9BTC0-2	3.226	3.03	1.645	DID01
Q9HCE7-2	5.263	0.575	1.545	SMURF1
Q8WTQ4	0.587	0.138	-1.464	C16orf78
B7ZBF2	0.405	0.368	-1.371	CHEK2
Q9UQ88-5	1.653	3.226	1.287	CDK11A
P19875	1.818	3.03	1.277	CXCL2
J3KSP9	2.941	1.786	1.241	NADK
H7C0D0	3.333	1.227	1.189	CYP51A1
Q8NB50-2	0.1	0.84	-1.089	ZFP62
F5H2Q3	3.846	0.155	1	C12orf66
P02768	1.905	1.852	0.91	ALB
Q96KX0	2.857	0.893	0.907	LYZL4
Q96L73-2	2.632	1.031	0.873	NSD1
H7C5H5	0.541	0.562	-0.859	MFN1
K7ENV2	0.545	0.599	-0.806	ZBTB48
Q9NWW4	0.529	0.66	-0.75	C1orf123
S4R3K6	2.083	1.22	0.724	LCA5
Q9UJK0	2.222	1.042	0.707	TSR3
Q5CZC0-2	1.538	1.639	0.668	FSIP2
Q8IY37	0.466	0.794	-0.667	DHX37
HOYDA5	0.966	2.105	0.619	NT5DC1
Q6Q759	1.351	1.709	0.614	SPAG17
F8WF83	0.676	0.645	-0.598	SLC9A9
P35606-2	0.948	2.02	0.569	COPB2
Q00532-2	0.935	0.498	-0.481	CDKL1
P11277-3	0.676	0.794	-0.444	SPTB
Q5H9U9	1.449	1.25	0.432	DDX60L
Q9HAQ2	1.37	1.29	0.411	KIF9
J3KRU7	1.37	1.282	0.407	KIAA0195
AOA087X2F7	0.995	1.613	0.383	ELK4
Q8NF91-8	1.031	1.562	0.375	SYNE1
Q8IYE0-2	1.37	1.22	0.373	CCDC146
Q9NWS1-5	0.61	0.952	-0.357	PARBPB
Q2M2H8	1.408	1.124	0.34	<NA>
H7C3A9	0.752	0.885	-0.289	DFNB59
O15264-2	1.02	0.654	-0.257	MAPK13
Q99523-2	0.518	1.176	-0.24	SORT1
Q13535-2	0.521	1.19	-0.225	<NA>
P46939	1.149	0.578	-0.212	UTRN
H7C389	1.136	0.592	-0.211	WDR92
Q9NT99	1.481	0.82	0.202	LRRC4B
O94804	1.02	0.733	-0.19	STK10
Q7Z7B0-3	1.724	0.556	0.189	FILIP1
K7EPP9	1.036	0.746	-0.167	STX10
O43150-2	0.971	0.82	-0.159	ASAP2
E7EW15	1.042	0.83	-0.095	TNIP1
C9JG97	0.971	0.901	-0.095	AAMP
Q5JRS4	0.518	1.37	-0.083	OR10J3
Q9HD33-2	1.667	0.441	0.076	MRPL47
Q86VZ2	0.199	1.905	0.073	WDR5B
E9PNR0	0.719	1.22	-0.045	BCL9L
HOYEH9	1.515	0.445	-0.029	SAMD3
Supernatan Hypoxy vs. Normal	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
H7C0D0	100	40	6.129	CYP51A1
C9JQA7	1.481	33.333	4.122	HMG20B
O94804	1.333	28.571	3.902	STK10
H7C389	1.527	25	3.729	WDR92
Q9UPN3-5	2.857	16.667	3.287	MACF1
Q2M2H8	1.408	10	2.512	<NA>
Q5VT82	2.941	8.333	2.495	PCDH9
Q8WU79-3	5	6.25	2.492	SMAP2
HOY930	0.11	0.25	-2.474	<NA>
Q58FG1	1.07	10	2.469	HSP90AA4P
O00160	1.389	7.143	2.093	MYO1F
K7EQB8	5.556	1.575	1.834	RANBP3
Q8IVS8-7	0.088	0.495	-1.778	GLYCTK
Q96QC0	0.089	0.503	-1.756	PPP1R10
P35606-2	0.314	0.294	-1.718	COPB2
Q9NT99	5.714	0.68	1.677	LRRC4B
Q9UJK0	0.29	0.402	-1.531	TSR3
HOYAK2	0.391	0.304	-1.525	PPA2

Q9NWS1-5	1.351	3.333	1.228	PARBPB
AOA087X2F7	2.632	2.02	1.218	ELK4
O15264-2	3.226	1.408	1.212	MAPK13
F5H2Q3	0.752	0.147	-1.154	C12orf66
F8WAJ0	2.326	1.887	1.075	DDX31
P04003	0.333	0.664	-1.004	C4BPA
O43150-2	3.125	0.68	0.928	ASAP2
H7C4S4	0.469	3.279	0.906	FXR1
Q9HCE7-2	3.03	0.641	0.876	SMURF1
K7ENV2	0.709	0.385	-0.87	ZBTB48
HOYDA5	0.658	0.436	-0.87	NT5DC1
Q8WTQ4	0.449	0.669	-0.839	C16orf78
Q00532-2	0.654	0.465	-0.838	CDKL1
Q7Z7B0-3	1.282	2.273	0.83	FILIP1
P42285	1.053	2.381	0.78	SKIV2L2
O60762	1	0.231	-0.7	DPM1
Q9P225-2	0.826	0.418	-0.685	DNAH2
J3KRBS	2.128	1.02	0.654	COG4
HOY9N4	1.25	1.852	0.633	COMMD10
J3KSP9	0.694	2.273	0.569	NADK
Q9UQ88-5	1.105	1.835	0.556	CDK11A
Q5JRS4	0.464	0.901	-0.551	OR10J3
Q9HAQ2	1.639	1.212	0.511	KIF9
Q9UNL4-3	0.267	2.564	0.501	ING4
Q8IYE0-2	1.639	1.19	0.5	CCDC146
P21860-3	0.26	2.564	0.498	ERBB3
Q9Y3A2	0.352	1.07	-0.492	UTP11L
J3QSH7	0.917	0.51	-0.487	RBBP8
P56715	1.961	0.787	0.458	RP1
P02768	1.626	1.075	0.433	ALB
K7EPP9	1.695	0.98	0.42	STX10
Q9NWW4	0.599	0.897	-0.419	C1orf123
AOA087WV19	1.818	0.847	0.414	<NA>
Q7L7X3	0.328	2.326	0.408	TAKO1
P11277-3	1.316	1.325	0.401	SPTB
HOYEH9	1.163	0.37	-0.384	SAMD3
Q9BTC0-2	0.99	0.578	-0.351	DIDO1
Q96L73-2	1.786	0.763	0.35	NSD1
Q6Q759	0.909	1.6	0.327	SPAG17
Q9BZQ2-2	0.851	1.653	0.324	SHCBP1L
Q68D85	1.449	1.031	0.31	NCR3LG1
H3BRL0	0.758	1.695	0.295	BBS2
Q8NF91-8	1.316	1.087	0.265	SYNE1
D6RC24	1.25	1.031	0.19	GAK
J3KRU7	0.763	1.471	0.16	KIAA0195
Q5H9U9	0.917	0.926	-0.118	DDX60L
Q96KX0	0.794	1.064	-0.106	LYZL4
H7C5W9	1.333	0.813	0.102	ATP2A2
Q15811-4	0.649	1.235	-0.086	ITSN1
Q13535-2	0.377	1.515	-0.08	<NA>
Q86VZ2	0.758	1.333	0.064	WDR5B
Q8TED0-3	1	1.064	0.045	UTP15
Q9Y295	0.307	1.653	-0.029	DRG1
Q99523-2	1.205	0.755	-0.029	SORT1
K7EK71	1.242	0.794	0.026	FAM198B
O15050	1.25	0.775	0.018	TRANK1
Q8NB50-2	0.787	1.22	0.005	ZFP62
Supernatant Oscillation vs. Normal				
	Ratio 1	Ratio 2	log2(meanRatio)	GeneID
H7C0D0	100	66.667	6.381	CYP51A1
H7C3A9	50	0.826	4.667	DFNB59
Q8NB50-2	0.198	33.333	4.067	ZFP62
P21860-3	25	2.5	3.781	ERBB3
Q00532-2	1.905	25	3.75	CDKL1
O00160	1.562	25	3.731	MYO1F
Q5VT82	10	10	3.322	PCDH9
H7C4S4	14.286	5	3.269	FXR1
Q9HD33-2	2.469	16.667	3.258	MRPL47
H7C4T3	12.5	3.125	2.966	PARP12
Q58FG1	1.504	11.111	2.657	HSP90AA4P
E7EW15	9.091	3.226	2.623	TNIP1
Q8IVS8-7	0.106	0.221	-2.613	GLYCTK
Q9UPN3-5	2.564	9.091	2.543	MACF1
C9JQA7	1.053	10	2.466	HMG20B
P42285	4	4.255	2.045	SKIV2L2
Q5M775-5	0.092	0.431	-1.935	SPECC1
Q8IY37	2.41	3.846	1.645	DHX37
HOY9N4	1.923	4	1.566	COMMD10
O15050	3.704	1.37	1.343	TRANK1
AOA087WV19	3.922	1.149	1.342	<NA>
B7ZBF2	0.513	0.279	-1.336	CHEK2
Q86VZ2	0.176	0.617	-1.335	WDR5B
Q96QC0	0.575	0.259	-1.262	PPP1R10
HOYAK2	0.382	0.469	-1.233	PPA2
K7EQB8	1.786	2.857	1.215	RANBP3
Q8WU79-3	3.571	0.935	1.172	SMAP2
Q5H9U9	1.163	3.03	1.068	DDX60L
Q5CZC0-2	3.175	0.99	1.058	FSIP2
Q9P225-2	0.633	0.407	-0.943	DNAH2
Q16696	0.613	0.434	-0.934	CYP2A13
D6RC24	2.326	1.429	0.909	GAK
O43150-2	0.82	2.632	0.787	ASAP2
J3KRU7	1.639	1.786	0.776	KIAA0195
Q99523-2	0.595	0.58	-0.767	SORT1

Q68D85	1.923	1.429	0.745	NCR3LG1
H0Y3Q9	1.031	2.222	0.702	FAM214A
H3BRL0	0.352	0.893	-0.684	BBS2
P35606-2	3.077	0.132	0.682	COPB2
P11277-3	1.316	1.802	0.641	SPTB
H0YEH9	0.4	0.885	-0.638	SAMD3
Q9P2D7-2	1.25	0.043	-0.629	DNAH1
Q7L7X3	0.645	2.439	0.625	TAOK1
Q9UJK0	0.99	0.337	-0.592	TSR3
Q6Q759	1.316	1.653	0.57	SPAG17
K7ENV2	0.261	1.087	-0.569	ZBTB48
Q0VF96	0.935	0.455	-0.525	CGNL1
K7EPP9	1.01	0.401	-0.503	STX10
P56715	1.667	1.143	0.491	RP1
Q2M2H8	1.613	1.075	0.427	<NA>
Q9NWW4	0.719	0.806	-0.391	C1orf123
Q5H8Y1	1.923	0.687	0.384	ROS1
H0YDA5	0.562	0.976	-0.379	NT5DC1
Q9NT99	0.741	0.826	-0.352	LRRC4B
O94804	0.656	0.926	-0.338	STK10
Q5JRS4	0.613	0.99	-0.319	OR10J3
Q8WTQ4	1.198	1.235	0.283	C16orf78
Q9BZQ2-2	0.697	0.952	-0.278	SHCBP1L
C9JG97	0.87	0.82	-0.243	AAMP
H7C389	0.775	0.917	-0.241	WDR92
J3KSP9	0.725	1.639	0.241	NADK
F8WAJ0	1.351	0.971	0.215	DDX31
Q9BTC0-2	1.087	0.656	-0.198	DIDO1
P02768	0.495	1.266	-0.184	ALB
Q96L73-2	0.8	1.02	-0.136	NSD1
P19875	1.163	1.02	0.126	CXCL2
Q9HCE7-2	1.471	0.372	-0.118	SMURF1
Q96KX0	1.053	1.111	0.114	LYZL4
Q7Z7B0-3	1.408	0.719	0.089	FILIP1
P04003	1	0.926	-0.054	C4BPA
Q8NF91-8	0.847	1.087	-0.048	SYNE1
A0A087X2F7	1.005	1.031	0.026	ELK4
F5H2Q3	1.042	0.948	-0.007	C12orf66
Q13535-2	1.02	0.99	0.007	<NA>