

## **Supporting Information**

**Table S1** Differentially expressed proteins of macrophages treated with acetaminophen (APAP) in the presence or absence of polydatin (HU).

**Table S2** Localization of differentially expressed proteins in macrophages

### **Figure captions**

**Figure S1 MTT assay for cell viability.** Effect of acetaminophen (APAP) and polydatin on the survival rate of RAW264.7 cells.

**Figure S2** Gene ontology classification (ANOVA) analysis of differentially expressed proteins of macrophages treated with acetaminophen (APAP). (A) APAP100 vs control group, (B) APAP500 vs control group.

Table S1

**Table S1** Differentially expressed proteins of macrophages treated with acetaminophen (APAP) or polydatin

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8BTM8	Flna	117.1	111.4	116	98.5	103.3	103	87.3	87.2	85.9	97.4	98.1	94.6	5.15026E-05
E9PVX6	Mki67	110.7	106.5	108.3	130.7	126.6	128.8	61.1	59.4	63.6	98.6	109	96.7	1.70253E-05
P16546	Sptan1	99.8	102	105.5	109.3	106.9	107.8	89.3	87.2	90.2	100.5	100.1	101.5	8.70273E-05
P09103	P4hb	98.4	103.2	104.5	86.4	92.1	91.6	116.8	116.1	113.5	92.6	90.9	94	8.47959E-05
P23116	Eif3a	105.8	103.7	107.7	106.1	106.6	106.9	87.4	84	90.4	100.7	100.2	100.2	7.48501E-05
Q6P5E4	Uggt1	85.7	83.9	88.2	93.3	97.4	91.5	120.8	127.3	123.8	95.8	94.9	97.5	2.47248E-05
Q8CAQ8	Immt	86.1	87.8	92	94.5	97.4	95.1	117.1	117.2	119.1	98.4	94	101.3	6.57115E-05
Q8VHX6	Flnc	101.5	100	101.2	104.7	106.2	106.9	87.1	88.7	88.6	105.1	104.7	105.3	5.14414E-06
Q03265	Atp5fla	82.8	84	85.5	97.2	96.9	91.2	120.5	123.7	120.3	101.5	96.1	100.2	2.61375E-05
Q01320	Top2a	86.3	79.3	83.4	119.3	128.2	124.1	83.9	88.5	87.6	104	111.8	103.7	6.33677E-05
Q8BFR5	Tufm	94	92.2	96.5	90	92.3	90	118.5	126.4	117.7	94.5	93.7	94.2	5.24129E-05
Q91YQ5	Rpn1	90.1	86.5	90.6	97.2	99.3	93.9	112.7	119.7	116.9	97.9	96	99.3	9.6261E-05
Q3U0V1	Khsrp	119.3	113.6	115.8	101.9	105.1	105.4	86.8	82	85.1	95.1	97.5	92.5	4.29071E-05
Q8CGK3	Lonp1	91.9	86.3	90.9	88.2	94.8	88.1	125.1	130.7	124.9	92.4	93.1	93.5	2.91578E-05
P49710	Hcls1	99.5	98.5	98.6	122.2	111.7	116.2	76.8	70.4	80.5	108.7	107.9	109.1	7.07414E-05
P26443	Glud1	92.7	86.3	92.3	88.4	93.4	91.2	124.1	128.1	118.3	97.1	94.7	93.2	8.13629E-05
Q9CQN1	Trap1	91.5	87.7	92.9	87.2	97.1	90.7	122.7	129.4	122.4	91.2	94.1	93.1	7.48501E-05
Q7TMK9	Syncrip	111.7	111.8	118.7	99	101.5	100.5	88.6	89.1	88	97.9	97.1	96.1	6.46683E-05
Q922J3	Clip1	102.1	100.4	102.8	108.4	105.1	106.3	90.1	89.8	92.5	100.3	101.4	100.8	5.49417E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q9QZQ1	Afdn	109.9	106.6	109.6	102.6	100.8	103.6	93.3	89.9	93	96	98.2	96.5	9.07385E-05
P30416	Fkbp4	118.6	117	119	97.4	100	101.2	88.4	89.9	88.3	91.2	97.3	91.6	2.76658E-05
P61979	Hnrnpk	107	112.6	110.4	113.5	105.3	106.8	79.2	77.7	82.7	101.5	103.4	99.7	8.29845E-05
P18242	Ctsd	77.6	81.7	78.7	101.2	93.8	90.5	115.5	121.3	116.1	110.9	104.7	108.1	8.86508E-05
Q8BG05	Hnrnpa3	110.1	109.2	109.1	104.4	101.1	101.1	87.2	90	93.2	97.8	99	97.7	9.92874E-05
Q99MR6	Srrt	100.9	104.9	104.5	105.6	106.7	109.8	87.3	85.9	88.3	102.9	101.8	101.3	5.13311E-05
P08249	Mdh2	91	89.1	87.4	85.4	86.2	89.5	131.5	133.2	122.6	93.8	94.9	95.3	2.83047E-05
Q9EQP2	Ehd4	104.4	108.8	108.7	106.7	104.2	106.1	84.8	84.9	85.7	100.7	101.6	103.4	2.56761E-05
Q9Z2I8	Suclg2	86	91	91.6	94.8	89.3	89.1	120.1	124.3	118.9	99.9	94.4	100.7	7.93899E-05
O70318	Epb4112	105.8	106.6	107.5	103.3	103	104.4	92.4	93.4	95.5	96.2	97.2	94.7	4.82617E-05
Q8VIJ6	Sfpq	107.6	105.9	108.8	108.1	108.1	107.8	83.2	81	86.8	101.2	99.9	101.7	2.24605E-05
Q8BHN3	Ganab	93.8	90.8	94.8	90.1	92.9	91.5	117.9	123	115.1	95	96.6	98.5	5.91773E-05
Q60597	Ogdh	93.4	87.2	86.7	79.4	88.1	88.3	136.9	138.3	125.9	89.3	94.8	91.5	7.46422E-05
Q04447	Ckb	111.6	118.4	117.3	98.4	97.2	100.6	87.8	91.1	90.3	93.7	97.7	95.7	7.91683E-05
Q9Z1Z2	Strap	111.3	110.6	110.3	100.5	100.2	98.6	89.9	94.3	90.4	96.9	100.4	96.6	7.39442E-05
Q6A068	Cdc5l	100.7	102.4	105.5	110.7	105.2	107.5	86.1	86	87.4	103.4	103.5	101.6	7.1825E-05
P10605	Ctsb	108.1	109.5	108.3	98.4	95.9	98.2	93.4	92.4	91.8	99.7	101.6	102.6	3.27424E-05
Q99L45	Eif2s2	106.5	106.7	108.1	98.6	95.7	99.4	93.9	94.7	93	102.4	100.5	100.7	9.52528E-05
P30681	Hmgb2	106.8	109.2	108.6	123.7	117.7	122.2	63.8	59.5	70.3	107.5	107.9	102.9	1.96502E-05
P47738	Aldh2	91.1	85.4	89.8	82.9	88.1	88.9	131.1	135.5	124.7	93.1	95.2	94.2	3.49561E-05
Q99LC5	Etfa	87.8	90.8	88.6	93.5	89.5	88.5	118.2	126.9	121.4	99.8	95.2	99.9	5.38289E-05
Q8QZT1	Acat1	90.7	84.9	91.2	85.9	91.9	90.3	127.8	132.7	123.1	93.4	93.8	94.3	4.08553E-05
Q8BWT1	Acaa2	90.3	86.2	92.1	84.9	87.2	87	129.8	137.9	124.2	92.4	92.4	95.7	4.8877E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8K1B8	Fermt3	116.4	111	114.8	99.8	104.5	100.3	85	86.1	85.7	96.4	101.9	98.1	6.4123E-05
Q60932	Vdac1	80	80.3	81.9	99.3	93.7	91.9	122.8	129	120.4	103.9	94.1	102.6	8.76837E-05
Q6A028	Swap70	112.4	116.7	115.3	102	105	101.8	85.4	84.3	87.4	94.3	99.9	95.5	4.09455E-05
Q9CVB6	Arpc2	106	108.5	107.5	103.5	105	100.5	88.3	88.5	90.1	99.7	102.3	100.1	5.85888E-05
Q6GQT9	Nomo1	88.3	85.3	89.9	89.8	94.4	90.7	123.5	129.8	120	97.4	94.1	96.8	4.65608E-05
Q91WQ3	Yars1	118.6	114.6	118.6	93.4	97.9	96.9	95.3	94.2	91.6	91.3	96.3	91.5	6.56428E-05
P63158	Hmgbl	105.7	109.7	107.6	116.7	110.4	116.4	75	66.6	76.5	107.7	105.7	102	5.43714E-05
Q8QZY1	Eif3l	108.8	105.8	108.3	101	103.2	102.5	90.6	92.2	89.7	99.7	100.2	98	4.47401E-05
P17918	Pcna	116.1	119.2	112.9	105	102.9	103.1	81.2	82.4	80.9	98.9	101.6	95.8	2.58974E-05
Q7TSC1	Prrc2a	95.3	95.1	94	115	109	110.4	87.3	83.3	89.9	108.7	105.2	107	8.44592E-05
P05202	Got2	88.9	88.6	83.6	75.5	81.1	82.5	129.8	140.8	126.7	102.7	95.9	103.9	7.15723E-05
Q99K85	Psat1	123	122.4	122.1	99.2	98.1	98.8	83.1	86.3	83.1	94.4	96	93.4	1.9039E-06
P54071	Idh2	98	99.3	96.7	87.5	87.6	89.7	118.5	127.2	117.7	92.4	92.3	93.1	4.8877E-05
P67778	Phb	82.5	84.4	85.1	100.1	95.5	94.4	115.5	118.2	118.6	102.5	97.2	105.8	6.7414E-05
P68510	Ywhah	111.7	113.7	114.2	98.6	101.8	102.1	88.8	85.4	86.1	99	101.6	97	3.52341E-05
	Atp6v1b													
P62814	2	99.6	99.6	99.7	90.4	91.8	93.1	113.5	114.8	108.4	96.9	96.4	95.8	7.15723E-05
Q9CZU6	Cs	92.5	89.1	92.2	91.2	93.2	93.9	118.3	124.5	118.7	94.2	94.7	97.6	2.96388E-05
P51881	Slc25a5	85.5	81.7	79.8	91.2	91.1	89.2	124.3	134.2	126.7	99.1	97.4	99.8	2.38593E-05
Q9R1T2	Sae1	116.4	117	120	97.3	99.4	100.4	88.3	90.3	85.7	94.7	97.4	92.9	2.76301E-05
P11157	Rrm2	69.3	71	69.1	119.2	109.9	114.8	96.1	99	95.8	121.5	118.6	115.7	1.70253E-05
P21550	Eno3	119	118	123.9	98.4	101.6	104.3	85.5	84.7	82.4	94.1	94.8	93.2	2.38593E-05
Q8BH59	Slc25a12	90.4	87.9	90.5	85.8	91.1	87.4	118.8	131.1	122.5	97.9	97.9	98.6	7.24382E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q99L47	St13	105.9	110.4	111.7	107.6	103.6	105.6	84	81.8	85.3	102.2	100.4	101.4	4.29071E-05
O35857	Timm44	85.3	88.7	90.5	94	94.2	91.3	118.7	122.7	121.6	99.3	96.1	97.8	1.81807E-05
Q8BH04	Pck2	102.4	103.3	103.3	83.1	88.4	88.1	118.8	123.2	116.3	87.8	93.4	91.8	4.47401E-05
P50544	Acadv1	74.5	73.5	78.4	85.4	89.6	85.3	142.9	147.3	139.9	93.7	94.5	95.2	2.35904E-06
Q8BK64	Ahsa1	102.3	102.8	101.1	107.2	106.4	102.4	89.4	89.3	89.3	104	104.6	101.2	9.57349E-05
Q9WVA4	Tagln2	112	117.3	116	107.6	100.6	106.6	82	76.4	77.1	105.3	100	99.1	7.24382E-05
Q91VH2	Snx9	120.4	118.4	118.4	89.1	97.9	96.3	94.1	93.6	91.9	92.3	95.6	92.1	7.15723E-05
Q922U1	Prpf3	100.7	100.8	102.6	110.4	108.7	107.9	88.3	85	88	100.5	103.4	103.8	2.95731E-05
P25976	Ubtg	106.5	109.9	107.7	103.8	101.7	102.9	90.1	89.8	91.1	99.6	99.8	97.1	3.65166E-05
Q8R180	Erola	103	100.7	100.7	78.5	84.5	86.7	127.7	130.8	119.2	87.9	90.8	89.5	6.20583E-05
Q60668	Hnrnpd	117.6	121.9	113.2	101	100.8	98.7	84.5	83.1	86	97.3	100.2	95.8	5.15026E-05
D3Z7P3	Gls	87.4	86.3	90.2	83.3	87.6	87	128.6	140.9	131.7	90.6	94	92.4	2.76658E-05
Q9DCN2	Cyb5r3	83.1	86.3	84.6	90.7	85.7	87.9	128.9	138.3	126.6	96.1	96.1	95.8	2.76658E-05
Q8BI84	Mia3	86.9	86.6	87.4	104.2	98.4	99.8	108.3	109.6	109.4	103.7	101.7	103.8	4.06613E-05
Q6A065	Cep170	108.5	107.1	105.5	114.6	107.8	111.3	80.9	76.5	80.2	100	105.9	101.6	4.61936E-05
O35841	Api5	119.6	118.9	124.1	93.6	99.7	100.3	90.5	86.9	84.6	91.3	97.4	93	8.24006E-05
Q60865	Caprin1	107.5	111.1	108.2	117.5	107.4	113.9	75	70.8	75.8	108.6	103	101.3	6.21969E-05
P48722	Hspa4l	93.4	95.5	92.9	87.2	92.3	94	124.6	120.6	116.3	92.1	96.5	94.7	8.51028E-05
Q07076	Anxa7	91.1	92.6	92.2	94.3	92.5	93.8	109.8	115.6	111.3	102.7	100.5	103.5	5.07121E-05
Q6P9P6	Kif11	82.6	79.2	83.3	109.5	113.9	113.7	93.5	100.8	98.4	105.6	111.3	108.3	7.07414E-05
Q925I1	Atad3	89.7	90.9	92.9	95.3	95.3	90.8	114.9	118.7	116.8	100.9	94.4	99.4	7.51165E-05
P29758	Oat	93.8	91.8	97.4	90.9	92.5	91.2	121.5	129.9	118.6	89.6	92.2	90.6	7.55784E-05
Q8K297	Colgalt1	87.9	87.6	91.3	91.9	92	88.8	119.8	131.9	122.7	96.5	94.5	95.2	6.94212E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q810A7	Ddx42	100.8	100.9	103.5	111.4	106.3	105.8	84.7	83.8	86.5	106.3	104.6	105.3	4.47401E-05
P10711	Tcea1	112.6	110.5	115.9	101.5	100.4	103.4	88.3	84.4	85.8	96	102.2	99	8.29845E-05
Q8C1B7	Septin11	107	108	111.2	99.4	100.6	101.8	92.3	91.7	89.8	99	101	98	9.3097E-05
Q8K298	Anln	88.3	86.8	85.5	127.4	123.3	130.5	70.5	75.2	76.9	109.3	117.1	109.1	1.96502E-05
Q91VX2	Ubap2	102.5	100.4	100.8	124.9	110.6	119.3	77.2	72.2	78.1	104.4	105.8	103.9	9.65963E-05
Q8BNW9	Kbtbd11	115.9	117.4	110.2	85.1	84.8	89.2	104.8	105.7	103.4	92.3	94.3	96.8	7.33727E-05
O08808	Diaph1	109.4	109.6	112.7	100.6	100.3	101.2	90	91.1	92.3	97.2	98.3	97.3	1.96502E-05
Q9DCX2	Atp5pd	79.5	82.3	81.5	101.2	96	95	119	119.3	118.3	105.3	97.7	105	4.19587E-05
Q99KQ4	Nampt	113	110.2	113.7	93.2	96.2	96.9	96.8	97.1	93.3	95.7	98	96	8.86508E-05
Q99JY0	Hadhb	82.9	86	85	100	95.9	91.2	117.8	123.2	121.7	98.8	97.3	100.1	4.47401E-05
Q922Q8	Lrrc59	108.9	112.3	112.2	98.6	95.8	100.3	95.1	96.7	96.2	94.2	95	94.7	6.73372E-05
P46664	Adss2	122.3	116.9	120.7	94.8	101.6	101.1	86.1	88.4	84.6	93.4	96.6	93.6	4.63182E-05
P11440	Cdk1	94	102.3	101.7	125.4	117.8	116	71.5	73.4	76.5	108.9	105.9	106.8	4.9195E-05
Q9D051	Pdhb	88.3	88.4	93.3	91.3	91.2	91.8	120.7	127.4	118.6	95	94	99.8	6.87947E-05
Q5SSZ5	Tns3	115.6	111.1	114.7	99.3	99.3	99.1	85.7	91	87.1	97.8	100.5	98.9	4.29071E-05
Q9CQW2	Arl8b	94.4	95.6	96.4	94	93	91.6	114.3	120.5	113.1	93.8	95.9	97.4	7.93899E-05
A2APB8	Tpx2	81.1	74.8	76.4	130.8	132.7	133.5	69.1	68.6	70.9	118.7	127.3	116	8.54234E-06
Q5SXY1	Specc1	109.2	106.3	105.6	105.7	102.7	107.6	86.3	86.4	86.4	99	103.8	101	7.15068E-05
P51174	Acadl	86.8	83.1	85.9	91	95.3	91	120.4	134.1	127.4	93.3	96.4	95.3	6.7414E-05
Q9ESZ8	Gtf2i	111.6	116.5	116.4	101.6	101.7	100.5	86.8	88.6	89.5	93.9	97	96	2.61375E-05
P23198	Cbx3	103.9	102.9	107.7	108.1	108.5	108.6	85	83.4	87.1	103	103.3	98.5	6.20315E-05
Q9DCW4	Etfb	89.1	90.8	94.5	90.6	91.8	91.7	120.9	124	119.1	95.7	94.5	97.3	1.83092E-05
Q9D0F3	Lman1	86	86.5	89.3	90	94	91	118.6	128.8	118.8	100.4	95.9	100.7	9.52528E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q6NZF1	Zc3h11a	95.5	90.3	91.9	116.5	112.4	110.3	89.4	87.6	89.6	105.7	107.3	103.3	7.15723E-05
P10404		91.5	90.7	87.2	87.6	89.3	93.3	123.5	124.6	115.4	101.2	99.2	96.5	9.71942E-05
O08795	Prkcsh	82.2	85.6	87.5	93.5	92.2	92.4	121.5	125.4	120.7	100.8	96.9	101.3	1.76997E-05
Q9Z2I9	Sucla2	93.1	94.5	91.4	87.8	88.1	87.3	119	131.7	121.9	94.4	93.4	97.4	8.20987E-05
Q9DBH5	Lman2	89.1	90.3	93.6	92.6	95.2	90.9	114.4	120.3	116.2	100.3	96.2	100.8	7.48501E-05
Q3TIV5	Zc3h15	107.2	112.2	114.1	105.7	101.4	106.5	87.1	84.1	84.5	99.2	98.9	99	8.09981E-05
P98078	Dab2	102.1	105.4	98.3	131.9	116.6	133.1	58.9	55.3	61.8	114.1	111.3	111.2	4.05129E-05
Q8BVE3	Atp6v1h	93.8	88.9	93	89.6	94.8	92.3	117.7	122.4	116.9	95.7	98	97	4.82617E-05
Q9DC61	Pmpca	93.1	94.5	97.8	88	93.4	89.4	118.5	125.8	118.4	94	91.2	95.9	8.02617E-05
Q60930	Vdac2	93	91.3	89	85.1	86.3	89.1	127.5	131.2	118.8	95.2	96	97.3	5.97094E-05
Q9CYN2	Spcs2	89.3	90.1	92.9	95.5	95.4	96.2	113.1	114.9	110.6	101.9	97.4	102.6	7.45517E-05
P32020	Scp2	100.6	100.4	101.7	105.7	104.5	105.8	92.5	87.8	91.8	102.8	102.6	103.6	7.8241E-05
Q8C129	Lnpep	83.1	88.5	87.7	95.5	95.5	90.2	122.7	120.9	117.4	101.4	97.6	99.6	4.39456E-05
Q6PGB6	Naa50	106.9	111.4	108.2	102.1	100.2	101.1	88.6	88.1	86.7	103.5	101.3	101.9	2.95731E-05
P35979	Rpl12	103.8	105	103.6	99.8	102.3	99.9	93.5	94.6	95.2	100.5	101	100.7	9.92272E-05
Q3UKJ7	Smu1	109.6	107	106	101.4	99.6	100.1	91.4	92.4	90	100.2	101	101.4	4.47401E-05
P59328	Wdhd1	108.1	104.3	102.4	126.7	120.3	123.2	69.6	70.9	71.4	98	108.5	96.6	4.08553E-05
Q60715	P4ha1	112.7	114	115.7	100.8	102	103.4	88.3	92.6	90.5	92.3	93.4	94.2	2.0176E-05
O35639	Anxa3	78.2	82.7	79.7	95.3	91.9	93.4	114.1	118.8	114.2	109.7	109.3	112.7	1.70253E-05
P39749	Fen1	104.6	109.3	108	105.4	103.5	110.4	84.6	84.8	84.1	103	101.8	100.5	7.33727E-05
Q8VEH3	Arl8a	82.8	83.7	89.2	94.4	91.3	90.6	118.3	127.1	121	99.1	98.6	103.8	7.00366E-05
Q9Z130	Hnrnpdl	111.3	112.5	110.6	106.9	100.9	104.3	84.5	79	80.8	104.9	102.1	102.3	3.57173E-05
Q9JJU8	Sh3bgrl	108.2	109.4	109.9	104.5	104	103.4	84.6	83.3	84.2	104.3	102.2	102	1.9039E-06

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
P59325	Eif5	110.6	113.3	112.9	93.8	92	95.9	99.9	100.2	96.5	94.7	96.2	94	5.97094E-05
P97377	Cdk2	93.4	96.4	99.2	115.8	108.9	111.5	85.8	86.1	85.7	106.2	104.7	106.2	6.24958E-05
Q00547	Hmmr	68.8	67.7	72.2	122.2	121.1	125.4	85.7	92.2	91.1	116.6	120.1	116.8	5.33395E-06
Q920E5	Fdps	139.6	137.3	136.3	91.5	103	106.5	73.5	72.2	68.8	89.9	94.2	87.1	2.89431E-05
Q9EQH2	Erap1	91.1	92.3	92.1	93.7	97	92	115.8	120.7	113.1	98.2	97.9	96.1	7.39442E-05
Q8R5A3	Apbb1ip	113.5	114.6	112.2	102.2	99.5	107.4	82.7	81.5	83.5	102.2	100.7	99.9	3.57134E-05
Q9D2G2	Dlst	86.3	86.5	87.9	98.3	93.9	95	116.9	112.4	117.2	105.2	97.7	102.8	8.45019E-05
P28650	Adss1	119.3	115.9	122.6	93.3	95.6	97.3	91.6	94.4	89.3	92.7	95.7	92.4	5.15026E-05
Q61941	Nnt	78.5	75.3	80.6	99.3	100.7	94.6	117.8	124.7	123	101.8	98.5	105.2	4.08553E-05
Q8VEM8	Slc25a3	87	83.4	86.6	89.2	92.4	88.4	127.4	132.8	124.3	96.5	95.6	96.3	1.756E-05
Q922Q4	Pycr2	87.7	88.3	87.2	94	93.4	94.9	115.8	123	117	100.4	97.3	100.9	2.96388E-05
P45952	Acadm	85.7	82.8	87.9	90.1	91.7	92.7	120.8	129.5	123.5	99.2	95	101.2	4.06613E-05
	Atp6v0d													
P51863	1	93.5	95.6	85.3	82.9	88.1	87.3	126.1	130.5	126.1	94.1	96.6	93.8	4.19587E-05
O09159	Man2b1	75.1	79.9	78.7	92.1	93.4	87.6	129.7	136	131	100.2	97.5	98.8	9.56192E-06
Q60931	Vdac3	85.4	84	80.5	96	88.2	90.1	121	128.9	122.4	103.9	97.7	101.9	6.20531E-05
Q9CR68	Uqcrfs1	80.8	81	81.7	99.5	99.9	92.6	116.7	125.6	125.4	99.1	95.9	101.8	7.2363E-05
Q80U78	Pum1	110.6	107.8	110.5	104.7	102.2	103.6	87.6	88.8	92.5	96.7	98.7	96.4	6.42423E-05
Q9D1J3	Sarnp	108.3	104.5	108.2	114.2	109.7	114.3	81.4	70.7	80.9	101.5	103.2	103.1	9.68381E-05
Q9QYG0	Ndrp2	116.1	115.7	121.6	97.8	99	99	89.1	91.8	87.7	93.1	95.9	93.2	3.47152E-05
Q9DCS9	Ndufb10	79.7	82.3	81.1	102.8	94.4	95.2	119.2	117.9	118.6	105.2	98.9	104.7	5.12469E-05
P35486	Pdha1	91	86.4	92.8	88.4	90.9	91.5	123.2	129.3	122.4	93.1	95.7	95.3	2.83047E-05
Q921G7	Etfdh	87.2	80.1	83.2	84.9	90.8	88.5	128.8	140.4	129.4	92.7	97.9	96.1	4.63182E-05



Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q91WN1	Dnajc9	107.2	108.9	112.9	114.7	110.3	116.7	74.7	74.6	77.4	99.5	102.6	100.4	1.96502E-05
Q6RT24	Cenpe	71.5	69.9	68.8	127.4	118.5	120.4	85.5	91.7	97.9	118.5	116.1	113.7	3.49561E-05
P35293	Rab18	90	93.4	92.4	97.1	98.1	94.9	111.7	111.4	110.9	99.3	98.1	102.6	6.42423E-05
Q8JZQ2	Afg3l2	91.4	86.1	92.4	86.9	93.4	89.6	125.2	130.2	125.2	92.5	92.8	94.2	2.53608E-05
P19536	Cox5b	77.3	78.6	80.9	98.1	98	92.5	119.3	124.8	129.2	101.8	96.8	102.9	4.54763E-05
P31266	Rbpj	129.5	130.6	131.4	90.9	97.4	95.9	83.8	83.9	80.8	90.4	93.6	91.7	5.14414E-06
Q62087	Pon3	89.5	88.2	90.6	95.4	95.1	94	115.7	120.6	112.5	99.7	98.2	100.6	5.12469E-05
Q61102	Abcb7	85.9	91.4	89.5	95.5	96.8	91.9	119.9	119.8	116.9	97.9	95.1	99.4	4.06613E-05
P52293	Kpna2	86.2	83.7	87.8	124.1	128.7	128	73.1	75.7	75.2	109.2	115.7	112.4	4.96362E-06
P97329	Kif20a	75.4	73.3	74.3	110.1	116.8	118.9	88.5	98.6	92	113.5	121.3	117.3	5.4329E-05
Q9JKB3	Ybx3	113.7	113.4	111.1	115.9	107	110.1	75.7	71.9	81.6	99.8	101.3	98.6	6.88347E-05
	Hsd17b1													
O08756	0	86.7	89.8	85.9	96.4	88.4	89.7	121.7	123.7	120	98.2	97.2	102.2	4.63182E-05
Q9EP89	Lactb	82.3	75.1	82.3	87.6	92.1	88.9	134	142.9	133.7	92.1	93.7	95.4	1.96502E-05
Q91ZA3	Pcca	93.5	88.4	94	87	89.5	86.6	125	132.4	123.2	94.5	93.3	92.6	3.09919E-05
Q80TM9	Nisch	76.9	76	78.1	93.1	96.3	92.2	118	129.7	127.1	101.7	103.5	107.3	4.07834E-05
Q8C7X2	Emc1	82.2	82.8	86.8	95.6	95	91.7	118.5	126	119	103.6	96.7	102.1	6.50838E-05
Q99MN9	Pccb	91.9	89.4	85.2	82.9	87.8	90.1	127.9	134.7	124.8	94.2	95.2	96	4.19898E-05
Q3U0V2	Tradd	90.9	91.4	92.3	85.9	90.2	88.4	121.6	133	124.3	92.1	96	94	4.65824E-05
Q07417	Acads	86.9	85.2	90.1	85.4	88.9	89.4	130.5	130.5	123.4	96.2	95.2	98.3	1.96502E-05
Q922V4	Plrg1	100.9	103.1	99.1	108.5	106.7	105.4	91.3	87.5	88.4	103.6	103.4	102.1	7.93899E-05
Q99LP6	Grpel1	81.9	85.9	86.6	94.1	95.1	93.8	120.7	122.1	121.9	100.2	95.7	102.2	1.76997E-05
P20108	Prdx3	82.2	82.9	81.4	96.5	91.5	89.4	118.5	131.4	126.7	101.7	97.2	100.7	7.39442E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q99P31	Hspbp1	120.3	122.1	116	95.6	98.7	101	84.9	84.8	82.8	97	100.2	96.5	2.87326E-05
Q9JLN9	Mtor	97.4	91.2	98.7	88.6	92.6	92	117.2	119.8	118.9	92	95.8	95.7	6.85537E-05
Q6ZQM8	Ugt1a7	88.5	88	91.5	91.2	88.9	87.6	123	131.8	122.9	96	94.6	95.8	2.95731E-05
P09671	Sod2	79.3	75.8	76	98.6	88.6	90.2	118.2	128.3	129	107.2	103.8	105	7.00366E-05
P42125	Eci1	87.2	84.9	92.3	91.2	94.4	90.1	120.1	126.7	126.4	94.2	94	98.7	4.92243E-05
Q9DB20	Atp5po	82.6	85.1	84.3	98.6	96.9	93.6	120.3	116.1	118	103.9	96.2	104.3	6.46683E-05
P48024	Eif1	89	91.4	92.4	110.6	111.8	109.5	84.6	86.5	88.9	114	110.7	110.6	1.76997E-05
P33174	Kif4	99.6	94.2	98.7	109.9	111.6	114.4	85.7	88.1	86.9	104.4	104.6	101.8	5.67837E-05
Q8K2C9	Hacd3	81.1	77.4	84.7	86.3	93.8	85.6	130.1	142	135.2	93.4	95.3	95.2	3.4792E-05
Q60787	Lcp2	104.7	115.7	106.6	124.6	115.5	119.3	59.2	59.1	61.6	112.2	113	108.5	2.16614E-05
Q9DCE5	Pak1ip1	115.2	114.7	116.9	97.3	98.3	100.6	88.4	89.1	87.1	94.5	100.9	97.3	3.49561E-05
P99029	Prdx5	85.3	86.9	89.7	92.2	93.7	91.7	121.8	119.2	117.5	101	99.9	101.2	1.10006E-05
P38060	Hmgcl	95	94.9	94.7	93.3	88.1	91.1	117.9	122.6	113.8	95.3	96.1	97.1	7.31812E-05
Q8CGC6	Rbm28	98.3	93.1	94.9	89.9	93.5	92.4	114.7	119	116.8	94	97.1	96.5	4.47401E-05
D0QMC3	Mndal	100.5	102	103.4	116.8	112.7	114.6	83.2	81.9	80.8	96.9	106.6	100.7	7.00366E-05
Q8K268	Abcf3	88.2	84.8	91.8	93.2	94.4	94.7	115.2	121	118.6	98.8	96.8	102.4	7.00366E-05
Q8BGT7	Smndc1	107.8	111.2	111.2	118.3	106.2	109	76.7	72.5	77.5	101.8	105.4	102.4	8.86508E-05
A2AJI0	Map7d1	102	100.4	102.1	118.4	113.1	113.4	78.3	74.7	85.5	102.9	105.6	103.6	8.2169E-05
P10922	H1-0	86.4	92.2	91.8	81.7	83.3	74.5	145.5	127.8	143.3	92.4	86.4	94.8	9.92272E-05
Q8BH95	Echs1	90	94	94.3	88.7	87.1	93.7	121.5	118.3	116.5	100.1	95.6	100.2	7.43152E-05
Q8K4R9	Dlgap5	95.2	94.6	93.7	119.4	118.6	120.8	74.3	74.3	78.4	108.1	112.7	110	3.35696E-06
Q8BH24	Tm9sf4	88.9	83.2	87.1	87	93	89	125.1	131.9	121.5	97	98.6	97.6	4.65824E-05
Q2TBE6	Pi4k2a	93.1	92.5	94.4	95	94.7	93.7	114.7	115.5	112.2	96.5	98.1	99.4	1.70253E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Hsd17b1														
O70503	2	95.4	98.7	94.4	89.6	91	92.1	115.1	118.2	112.8	98.4	96.3	97.9	4.29071E-05
P70227	Itpr3	126.2	119.2	124.6	82.4	87.2	82.4	110.7	113	112.6	78	83.4	80.2	1.6831E-05
O08915	Aip	111.7	113.7	110.5	97.3	96.3	96.8	96.8	96.4	95.5	92.9	96.2	96	2.79614E-05
Q9EQ28	Pold3	104.8	110.7	106	107.9	107.1	106.1	85.2	83.3	85.4	102.9	103	97.5	8.46186E-05
P55096	Abcd3	88.1	84.9	90.3	86.2	96.5	89.6	126.3	133.8	125.9	90.2	94.8	93.4	6.20583E-05
Q05117	Acp5	74.9	75.6	76.1	101.3	98.6	99.3	108	104.2	107.7	122.3	114.4	117.5	1.70253E-05
O88783	F5	44.3	44.5	42.9	73.1	74.9	68.3	185.6	201.8	174.1	104.8	88.2	97.7	1.70253E-05
Q9JJ11	Tacc3	76.7	79.4	78.8	131.4	113.9	128.8	76.1	77.7	81.4	121.6	117	117.2	6.46683E-05
Zmpste2														
Q80W54	4	87.5	84.6	91.2	90.6	95.6	93.1	120	125.5	117.4	97.9	97.5	99.1	6.25225E-05
P97494	Gclc	95.8	92.2	94.4	82.2	86.5	86	116.3	126	116.7	100.6	101.9	101.4	7.39442E-05
Q80U58	Pum2	111.3	112.8	107	115.2	110.1	107.1	79.3	75.2	82.5	99.7	101.6	98.2	8.2169E-05
Q9JLI6	Scly	112.6	109.2	116	100.7	103.8	103.7	87.3	89.2	86.4	97	98	96.1	6.05346E-05
Q922S8	Kif2c	94.5	90.4	93.6	120.2	116.7	117.6	81.8	84.7	84	103	109.8	103.8	2.82228E-05
P52633	Stat6	112.3	112.6	112.8	97.4	100.8	99.8	87.2	92.6	92.2	95.5	98.8	98	7.33727E-05
Q6ZPY7	Kdm3b	113.9	115.3	117.9	102.8	102.2	103.4	84.5	88.9	87	92.3	96.1	95.7	2.24605E-05
Q62433	Ndrgl	117.3	112.9	117	100.7	102.6	99.8	85.9	88.4	91.9	91.1	97	95.5	8.76837E-05
Q8K078	Slco4a1	90	87.5	83.4	83.9	87.3	86.9	129.4	133.3	130.5	93.7	99.3	94.7	1.2797E-05
Q9D1E6	Tbcb	111.2	113.2	117.2	101.4	99.8	102.4	84.2	86.1	82.1	102.2	101.2	99	3.49561E-05
O88531	Ppt1	82.7	88.9	91	94.5	92.5	94.6	120.2	122	116	99.6	97.6	100.4	6.42423E-05
Q8JZN5	Acad9	90.7	80.2	87.1	86.1	91.9	89.3	127.6	141.1	129.9	90.4	93.8	91.8	8.13629E-05
Q8R1V4	Tmed4	74.3	74.4	76.5	98.7	97	90.1	117.5	126.4	127.1	106.3	103.2	108.4	4.61936E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q9D6Y9	Gbe1	103.1	102.3	104.4	89.9	94.1	91.7	109.1	112.9	110.2	92.2	95.7	94.3	6.37561E-05
Q8C8U0	Ppfibp1	120	117.1	122.4	105.3	106.4	109.4	78.5	79.5	80.3	90.6	97.6	92.8	2.00362E-05
Q8BFZ9	Erlin2	77.6	79.4	76.1	90.5	88.8	87.4	125.5	137.6	127.9	105.5	99.1	104.6	3.09919E-05
Q9WUM5	Suc1g1	93.9	94.4	89	89.2	90.4	91.1	122.5	124.8	115.8	97.6	96.7	94.7	6.46683E-05
O35609	Scamp3	89	87.2	87.9	93.2	101.2	93.1	118	117.7	115.3	98.4	98.4	100.6	7.05721E-05
Q99JR1	Sfxn1	85.1	85.5	87.2	96.2	95.8	91.1	117.4	123	122.8	100.7	96.1	99.1	2.96388E-05
Q61771	Kif3b	81.5	83.3	81	99.1	94.7	91.1	117	121.8	123.7	103.7	99.2	103.8	4.47401E-05
Q9CQF9	Pcyox1	75.4	77	78.6	96.1	93.6	90.1	125.6	131.1	127.5	101.8	97.7	105.6	1.76997E-05
Q9Z0J0	Npc2	78.8	78.8	77.7	102.7	100.1	101.2	112.2	113.3	111.3	113.8	105.1	105.1	3.93858E-05
Q8BLH7	Hirip3	132.4	126.9	128.9	111.3	111	110.7	65.8	65	68.7	91.4	96.8	91.2	2.35904E-06
Q9D172	Gatd3a	89.2	90.6	92	89	89.7	89.4	125	130.7	119.6	94.9	94.8	95.1	3.25629E-05
Q9D379	Ephx1	75.6	74.9	77	98.9	95.2	90.8	121.8	129.7	125.1	103.5	101.5	105.9	2.24605E-05
Q3TDN2	Faf2	90.3	89	94.4	96.4	91.9	92.6	114	121.1	118.5	95.1	97.9	98.8	9.74953E-05
Q9ESW4	Agk	87.5	85.3	89.2	86.9	93.9	90.3	125	136.1	125.9	91.2	94.9	93.9	5.27444E-05
Q9D0S9	Hint2	74.9	76.7	77.7	96	96.1	87.4	126.7	130.1	127.7	102.2	99.4	105.2	1.96502E-05
O08663	Metap2	120.2	122.3	118.6	100.9	100.1	102.9	79.4	84.5	78.2	96.2	97.5	99.3	1.72675E-05
Q64FW2	Retsat	81	77.9	81.5	91.2	91.7	87.2	128	138.2	136.9	90.9	98.5	96.9	2.61375E-05
P52825	Cpt2	94.9	90.9	91.9	92.1	91	94	118.7	118.9	114.6	95.4	97.9	99.6	3.5691E-05
Q9DBS5	Klc4	88.2	88.3	91.3	88.3	92.2	94	119.6	119.1	115.3	98.9	103.1	101.7	4.05129E-05
Q8R344	Ccdc12	104.2	113.1	107.6	121.6	109.6	118.1	71.2	67	75.2	104.7	104.2	103.4	8.24174E-05
Q8BLF1	Nceh1	80.5	82	82.1	90.1	90.2	85.6	129.8	138.6	127.6	99.2	95.2	99.1	2.38593E-05
P56391	Cox6b1	76.3	74.2	66	102.4	96.6	97.6	124	115.9	119.6	112.4	104.3	110.6	7.15723E-05
Q08024	Cbfb	105.4	108.4	108.5	109.7	107.5	104.9	81.3	86.7	82.8	103.2	102.1	99.6	5.8088E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
A3KGF7	Plcb2	110.6	112.6	111.2	105.9	104.8	105.2	82.9	82	86.6	96	102.5	99.6	4.05129E-05
Q3V300	Kif22	84.2	86.8	85.1	108.5	106.6	106.2	93.9	102.3	100	108.9	109.5	108	8.86508E-05
P10923	Spp1	74	75.5	72.6	135	126.9	137.7	61.3	63.7	72.3	127.5	124	129.5	1.2797E-05
Q7TMF3	Ndufa12	81.7	87.9	88	98.2	98	95.8	113.3	114	112.4	106	100.8	103.9	6.65487E-05
P53395	Dbt	84.7	83.4	84.4	92	85.8	89.2	125.1	130.6	126.3	101.4	95.9	101.2	1.76997E-05
Q9D0D4	Dimt1	109.7	112.7	111.7	99.5	97.3	98.8	92.2	92.8	90.7	97.9	100.4	96.1	4.63182E-05
Q9CYR0	Ssbp1	80.7	84.4	81.3	95	98	95.4	121.4	113.5	121.2	105.2	98.7	105.4	7.31812E-05
Q8CDM1	Atad2	80.9	75.9	80	79.5	86.8	86.4	139.9	151.1	143.2	89.9	94.1	92.4	1.63466E-05
Q9CXE7	Tmed5	80.4	83.8	80.4	101.3	98.2	96.7	112.6	112	114.8	109.4	103.9	106.8	2.70786E-05
Q6NXI6	Rprd2	109.2	108.7	107.3	109.5	104.8	107	84.9	84.8	88.8	96.9	99.8	98.3	4.19587E-05
Q80Y14	Glr5	88	90.3	89.5	91.7	93.1	92.5	125.3	118.4	118.4	99.9	97.4	95.7	2.95731E-05
P09581	Csflr	124.6	132.7	135.3	95	100.9	99.3	84.6	87.7	87.9	82.9	84.2	84.7	2.53608E-05
P30204	Msr1	107.7	113.4	109.6	110.9	106.3	104.2	75.5	77.6	76.5	107.5	104.8	105.9	2.38593E-05
Q9Z0R9	Fads2	134.5	136.3	145.6	118.7	117.6	117.8	68.7	72.9	72.2	71.5	70.6	73.5	4.40366E-06
Q9Z0H4	Celf2	112.4	112	109.7	100.5	97.8	104	87.4	88.2	87	100	100.3	100.7	4.08553E-05
P04441	Cd74	63.9	70.5	67.6	97.6	89	84.3	147	138.3	144.1	101.5	95.2	100.9	2.22534E-05
Q3TVI8	Pbxip1	66	69.3	68.9	98.4	92.2	99.7	140.7	124	132.9	102.7	99.6	105.5	4.61936E-05
Q61425	Hadh	83.6	84.2	86.3	89.4	91	88.4	128.3	134.4	131.7	93.6	93.6	95.6	2.59433E-06
Q9CR62	Slc25a11	80.5	86.2	86.5	94.2	93.4	87.8	126.3	123	125.4	99.7	94	102.9	5.15591E-05
Q9CPV5	Pmf1	99.6	106.1	106	113.5	109.6	113.4	78.8	80.6	85	102.3	103.6	101.4	7.15723E-05
O88384	Vti1b	78.3	79.3	81.5	104.9	99.6	97.1	110.1	112.8	117.3	103.6	105.5	110	9.40516E-05
Q8R4N0	Clybl	87	89.3	91.6	90.5	88.9	87.6	118.5	131.2	125.9	95.2	96.2	98.2	6.85537E-05
Q9D666	Sun1	82	77.6	83.8	92.6	94.9	88.5	129.9	136.1	126.5	93.8	97.5	96.8	2.76658E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q9QXE7	Tbl1x	114.4	117.9	116.7	99.4	94.4	98.6	93.3	92.3	88.4	92.8	97.8	94.1	8.26329E-05
Q8R059	Gale	87.8	88.7	88.7	88.8	88.7	86.6	124.2	133.1	128.8	94.9	95.4	94.3	1.18749E-05
Q9CQC7	Ndufb4	65.6	65.3	67.4	102.1	100.2	90.2	126.2	129.9	127.5	112.4	101.4	111.9	4.01713E-05
P03975	Iap	101.4	94.1	96.8	82.7	92.8	87	124.7	124.3	123.2	89	92.6	91.4	5.8088E-05
Q9CQY5	Magt1	89.8	90.6	94.5	98.7	96.7	94.7	111.6	112.2	115	98.1	97.4	100.8	9.43575E-05
Q8CFE6	Slc38a2	110.1	116.1	119.8	108.5	106.1	106.5	75.7	81.4	77.4	99.6	98	100.8	4.67397E-05
Q9JHW4	Eefsec	95	94.3	95.7	94.9	90.1	89.3	116.8	121.6	122	90.6	94.3	95.2	4.19587E-05
Q9ERR7	Selenof	72.9	80.2	73.9	96.5	88.6	91.2	124.9	125.7	131.2	106.3	99.5	109.1	4.78E-05
Q99KB8	Hagh	87	89	85.2	95.3	89.2	92.9	121	120.3	117.5	103	98.8	100.7	2.75949E-05
P47740	Aldh3a2	92.7	93.7	97.9	95.5	91.1	93.7	115.1	117.5	114.3	96.4	94.1	98	7.00366E-05
Q9CZA6	Nde1	89.4	87.8	89.7	118.9	114.5	113.7	82.3	84.7	92.4	108.1	108.9	109.8	7.24382E-05
Q8QZS1	Hibch	89.7	85	88.1	80.8	83	84.3	135.2	146	138.3	87.8	91.2	90.6	1.26945E-05
Q9QZS3	Numb	120.9	122.3	121.1	110.2	102.7	109	74.1	72.7	76.2	94.5	100.1	96.3	1.70253E-05
Q9CX56	Psm8	97.9	99.4	96.8	91.9	95	92.5	111.2	112.8	110.9	94.4	99.1	98.1	7.31812E-05
Q9EPK6	Sil1	90.9	102.3	95.4	85.9	85.6	83.2	126.6	129	123.9	92.1	92.7	92.4	3.94161E-05
Q9R0Q4	Morf4l2	99.9	106.7	102.9	127.2	121.5	120.2	60.7	59.2	63.1	115.3	113.2	110.1	7.81516E-06
P22315	Fech	92.1	88.9	95	90.5	90.3	88.1	121.9	134.9	124.2	90.2	93.8	90.1	8.7241E-05
Q8K0C4	Cyp51a1	127	121.4	124.4	95.4	99.9	101.8	82.6	91.2	85.6	87.9	94.6	88.2	7.33727E-05
Q9D1C1	Ube2c	100	104.9	101	132.2	120.7	125.2	62.8	68.3	69.4	104.9	105	105.7	2.23166E-05
Q3ULF4	Spg7	85.8	85.5	89.9	96.2	94.9	93.7	116.7	125.7	124.7	93	97.3	96.7	5.80601E-05
Q8VEH8	Erlec1	84.4	81.2	84.7	96.6	91.6	87.6	120.1	129.5	125.1	103.4	97	98.8	7.30482E-05
Q9Z1S0	Bub1b	104.7	104.2	110.8	117.4	118.8	119.4	70.2	72.1	76.1	99.5	107.2	99.6	3.22317E-05
Q9CQE1	Nipsnap	73.7	76.1	80.9	97.1	93.7	89.3	131.4	128.6	125.9	103.6	97.4	102.3	2.61375E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
3b														
Q8JZK9	Hmgcs1	146.2	131.4	136.9	100.3	112	114.1	60.1	67.4	65.3	85.4	93.6	87.3	4.92243E-05
P30412	Ppic	72.6	74.8	76.3	108.1	102.2	102.9	112.8	115.5	115.3	106.4	102.9	110.3	2.53795E-05
P09450	Junb	99.9	99.1	100	114	110.8	108.1	83.4	80.7	86.1	104.1	105.9	107.8	4.47401E-05
Q9JHI5	Ivd	87.1	86.4	88.3	89.5	93.9	93.8	118.3	126.4	122.9	96.6	99.8	97.1	2.95731E-05
Q91VC9	Ghitm	77.8	77.3	81.4	100.2	99.4	92.7	119	126.4	125.7	100.2	96.2	103.7	5.61462E-05
P21126	Ubl4a	95.4	97.9	97.7	109.6	106.2	105.6	87.7	88.7	89.7	107	105.7	108.8	4.00294E-05
Q8K009	Aldh1l2	99.6	88.1	93	75	86.3	81.4	136.9	143.6	132.7	84.3	89.2	89.8	5.87966E-05
Q64430	Atp7a	90.9	88.9	95	92.8	95.4	92.8	117.8	122.9	117.5	92.8	95.4	97.6	5.85888E-05
E9Q1P8	Irf2bp2	118.1	123.8	117.3	113.5	106.3	107.9	73.4	75.2	80.1	89.5	100.5	94.4	8.64579E-05
Q8BWW4	Larp4	107.7	106	107.7	109.7	108.8	110.9	81.2	79.5	84.1	101	100.8	102.7	9.56192E-06
Q9DB73	Cyb5r1	81	80.5	76.4	96.9	96.9	91.6	121.7	129	122.2	100.3	97.9	105.5	4.47401E-05
P48725	Pent	96	99	93.9	89.6	93.7	93.2	114.2	121.7	120.8	90.1	94.5	93.2	9.8067E-05
Q99JF5	Mvd	120.6	116.3	123.9	95.3	98.1	98.7	88.1	91.7	86	90.9	97	93.5	7.39442E-05
Q9QWF0	Chaf1a	122.2	112.6	118.3	107.4	111.3	112.9	73.1	80	80.2	92.8	97.2	91.9	7.07414E-05
Q9CQL7	Mrfap1	90.2	92.5	91.3	132.5	123.1	122.3	71	69.7	74.3	111.3	110.1	111.7	1.70253E-05
Q9D3P8	Plgrkt	67.9	72.5	71.6	105.6	101	95.9	120.8	115.6	120.3	111.2	102.9	114.7	6.7414E-05
Q9Z2G9	Htatip2	88.6	89.2	95	93.8	94.6	91.8	122	119.4	117.6	96.9	93.4	97.7	4.61936E-05
P07607	Tyms	95.6	95.5	100.6	111.6	110.5	108	85.1	88.1	87.7	105.7	105.6	106.1	4.63182E-05
Q00422	Gabpa	111.7	113.6	117.5	99.4	98.4	98.9	94.6	94.6	92	93.2	94.3	91.8	4.19587E-05
Q99M54	Cdca3	84	85.2	91.7	124.3	116.8	125.2	81.8	74.3	79.3	114.6	108.8	114	5.03983E-05
P97477	Aurka	79.1	80.9	83.4	118	114	115.5	91.6	93.1	90.6	110.2	113.9	109.7	1.18749E-05
Q9CXX9	Cuedc2	82.9	87.9	88.9	136.5	118.9	130.2	66.6	68	73.7	119.5	112.1	114.9	6.20583E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8R164	Bphl	85.4	87.4	88.3	91.5	89	88.4	126.8	128.2	124.9	94	96.5	99.6	7.18133E-06
Q9CQV1	Pam16	70.8	74.5	71.7	105.8	100.9	94.6	123.8	118.9	126	106.8	97.4	108.9	8.79721E-05
Q91XU3	Pip4k2c	81.2	81.4	84.2	92.9	95.9	94.5	126.3	123.2	123.7	97.6	97.8	101.4	4.96362E-06
O08603	Raet1b	73.5	80.5	79.5	121.4	111.8	113	95.9	94.4	97.9	114.8	107.5	109.7	9.74953E-05
Q9Z1P6	Ndufa7	83.1	80.4	83.8	102.1	99.6	97.4	111.9	115.4	115.9	102.1	100.3	108	6.61856E-05
Q99L13	Hibadh	87.9	90.1	93.5	90.8	90.1	89.6	123.1	130.4	124.4	92.6	93.5	94	1.91235E-05
Q9CQR4	Acot13	74	75.3	78.5	90.2	88.8	86.1	137.1	139	129.3	102.6	96.4	102.7	1.76997E-05
Q9D7P6	Iscu	91.5	90.4	88.8	100.8	97.1	96.2	110.6	110.9	111.1	101.3	101.2	100.2	3.11077E-05
Q3TFK5	Gpatch4	107.2	109.5	111.5	112.3	109.8	104.8	82.1	78	84.4	100	99.8	100.7	7.14796E-05
P52482	Ube2e1	102	103.5	100.4	105.9	107.2	104.8	89.4	88.6	90.4	102.5	102.8	102.6	2.24605E-05
P49025	Cit	91.8	85.1	87.5	119.1	118.4	120.1	84	88.9	92.3	103.2	107.5	102	6.91539E-05
Q8CHY6	Gatad2a	102.9	107.2	105.9	116.3	108.9	109.2	82	77.9	82.2	99.6	105.4	102.6	9.63387E-05
Q921J4	Ube2s	72.3	76.3	74.9	123.3	117	116.1	85	86.9	90.7	119.5	118.5	119.4	1.09895E-05
Q8K021	Scamp1	86	83.4	88.9	98.1	98.1	94.7	114.1	119	118.5	98.8	98.8	101.4	4.01713E-05
P24288	Bcat1	113.9	115.5	118.6	104.7	109.1	108.1	77.8	81.5	81.8	91.1	101.9	95.9	8.3239E-05
Q9CWW8	Ndufaf7	85.6	88.2	90.9	92.1	91.6	92.7	119.6	131.8	123.8	94.2	94.5	94.9	5.97094E-05
O70126	Aurkb	75.7	78.5	78.1	119.9	114.6	113.3	89	101.2	94.3	114.4	110.7	110.4	7.53408E-05
	Rnaseh2													
Q80ZV0	b	107.1	112.6	113.4	106.5	105.8	108.6	81.2	86.2	86.6	96	98.8	97.3	7.39442E-05
Q80YP0	Cdk3	47.5	44.6	43.7	69	89.5	65.7	168.5	176.7	192.2	95	98.3	109.4	3.09919E-05
Q99KR7	Ppif	81.5	77.6	85.2	94.5	93.7	88.8	126.6	130.4	128.9	98	95.6	99.2	1.76997E-05
Q8C166	Cpne1	96	92.2	98.9	82.6	88.2	85.3	127.1	132.4	122.2	91.1	91	92.8	4.21484E-05
Q91XD7	Creld1	85.3	84.9	90.2	91.9	97.8	91	118	125.3	121.8	100.2	94.1	99.5	9.52528E-05



Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8CHT0	Aldh4a1	81.1	77	79.7	87	86.7	86.4	128.5	146.4	141.4	93	95.4	97.2	4.21059E-05
Q99LZ3	Gins4	106.2	109.7	111.6	108.4	108.3	106.4	80.2	85	87.6	100	98.5	98.1	7.46716E-05
Q9CQW9	Ifitm3	88	87	96.1	123.1	131.1	114.7	70.4	73.1	72.7	112	113	118.9	9.2914E-05
Q8VE62	Paip1	112.1	114.9	116.9	101	96.8	102.3	89.2	88.5	87	99.3	97.7	94.4	7.32331E-05
Q9D7B6	Acad8	93.6	93.5	91.2	87.9	90.6	89	120.3	125.5	117.5	93	100.1	97.8	5.97094E-05
Q05920	Pc	82.2	82.9	87.4	86.6	93.9	87.9	127.2	138	140.6	88.3	91.1	94	4.8877E-05
O35604	Npc1	92.8	89	95.4	87	94.2	89.2	118.7	125.1	126.2	94.6	94.7	93.2	6.54149E-05
Q91ZE0	Tmlhe	96.2	87.4	96.8	84.3	90	88.6	124.1	131.6	123.7	88.9	94.3	94.2	9.95431E-05
Q64442	Sord	103.1	99.2	102.5	111.4	110.6	113.7	84.9	84.8	87.1	100.2	104.5	98	6.46683E-05
Q9DCZ4	Apoo	81.9	85.5	84	93.4	96.7	89.4	119.7	123.4	120.7	100.9	99.4	104.9	3.04874E-05
Q9CXR1	Dhrs7	92	83.6	94.7	86.8	90.7	88.1	129.9	139.5	125.9	87.1	90.4	91.3	9.52528E-05
Q8JZU2	Slc25a1	98.3	92.6	91.9	85.5	88.3	88.7	123.2	131.2	121.8	91.6	92.4	94.4	4.90078E-05
Q61823	Pdcd4	87.7	90	89.2	83.5	77.9	84	138	139.7	136.8	91	91.8	90.5	1.9039E-06
O35405	Pld3	66.6	68.2	71.6	91.1	93.4	90	131.7	136.4	132.8	105.8	104.5	107.9	1.9039E-06
Q03267	Ikzf1	119.1	115.8	124.5	103.5	106.3	108.8	74.5	75.2	82.8	95.6	98.5	95.3	5.97094E-05
Q62086	Pon2	86.1	91.4	91.5	94.1	92.5	90.3	115.9	124.1	121.7	96.2	96.5	99.6	7.00366E-05
Q9QYR9	Acot2	91.1	92.4	93.6	97.9	95.1	92.6	111.7	115.6	114.1	97	98	100.8	7.31812E-05
Q3UVK0	Ermp1	85.4	83.9	90.1	88.9	97.2	90.2	124.2	134.2	127.3	90.7	92.8	95	6.35329E-05
Q8R080	Gtse1	67.1	66.7	67.1	118.1	109.9	116.2	92	95	94	116.9	134.7	122.4	5.91773E-05
Q9DBL1	Acadsb	84.9	85.5	85.7	89.3	85.7	87.6	122.4	134.3	124.5	100.6	99.4	99.9	3.52341E-05
Q8K4F5	Abhd11	83.9	86.9	87.1	96	93.3	89.1	122.2	120.3	119.8	100.6	98.3	102.7	2.4964E-05
Q8BR63	Fam177a 1	78.3	83.3	82.4	110.9	109.3	106.3	100.7	97.7	103.3	110.5	107.6	109.9	4.21584E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
P24860	Ccnb1	83.9	85.6	86.4	122.5	117.8	130.7	74.7	73.8	77.9	116.7	112.8	117.1	2.61897E-05
Q9R1Z7	Pts	77.9	83.7	80.3	105.2	101.8	99.6	107	105.5	112.7	110.9	106.4	109.1	9.65963E-05
Q05512	Mark2	88.3	91.5	92	100.9	102.6	99.7	106.3	107.4	106.5	100.2	102.2	102.4	7.00366E-05
Q61846	Melk	73.9	71.3	76.5	98	102.6	101.7	116.7	129.4	117.7	101.8	106.8	103.6	7.33727E-05
Q8CFE2	Hpfl	129	122	132.3	88.1	88.4	88	98.1	102.4	96.2	81.8	89.9	83.9	4.92243E-05
Q8VBZ0	Dhrsx	86.5	89.6	86.6	94.3	95.5	93.2	117.1	113.2	120.1	104.6	98.7	100.7	6.1428E-05
Q60780	Gas7	122.4	117.4	125.6	94.6	100.5	100.3	81.2	84.8	83.5	95.1	98.2	96.3	4.19898E-05
Q8VEB4	Pla2g15	80.6	81.4	79.8	100.6	96.1	94.9	114.7	122.1	120.5	101.8	104.9	102.4	2.95731E-05
Q9ERG0	Lima1	85.2	83.7	87.2	104.8	100.8	106	100.5	97.5	101.4	112.4	108.3	112.2	6.88011E-05
Q9JJ94	Ssna1	114.7	123.3	122.1	118.6	112.3	116.5	62.1	62.8	64.8	102.4	102.2	98.2	1.21966E-05
Q9CQX4	Pclaf	104.4	106.4	108.3	130	124.4	126.3	60.7	57.7	62.7	106.1	107.4	105.6	1.9039E-06
Q60929	Mef2a	117.4	114.6	116.2	109.5	106.3	112.7	77.6	74.3	78.4	96.4	97.6	99.1	1.3882E-05
Q9D6M3	Slc25a22	86.5	85.7	84.1	96.3	88.7	94.8	121.8	127.7	119.7	101.8	97	95.9	6.65487E-05
Q91XE8	Tmem20 5	83.8	82.2	84	88.4	92.1	87.2	127.2	138.9	135.5	90.6	93.8	96.2	2.55575E-05
Q921Q3	Alg1	88.2	84.8	83.4	81.5	84.9	84.9	138.8	143.6	128.1	93.9	94.1	93.7	3.42332E-05
Q8BVK9	Sp110	120.8	120.7	126.8	106.5	92.9	104.4	77.5	71.6	74	99.5	103.9	101.4	9.42022E-05
Q8BHG9	Cggbp1	115	115.9	121.1	111.8	111.3	111	74.9	74.7	77.9	91.5	99	95.9	1.96502E-05
Q9JKF6	Nectin1	112.7	121.2	114	116.6	110.9	107.9	74	71.2	76.8	100.6	97.4	96.7	4.92243E-05
P61025	Cks1b	102.8	96.4	90.3	140.7	127.7	134.8	54.4	50.6	55	122.5	115.2	109.6	2.88539E-05
Q8BYI6	Lpcat2	97.2	95.5	95.8	91.1	92	95.3	109.6	111.1	112.3	101.1	99.1	100	4.47401E-05
Q9CYK1	Wars2	78.5	80.8	80.5	91.8	87.2	82.5	128.9	139.9	133.9	99.7	97.6	98.7	2.38593E-05
P28741	Kif3a	88.8	85.2	90.1	91.1	95	92.1	117	124.4	123	95	99.3	99.2	4.8877E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
P31651	Slc6a12	102.3	96.8	106.4	83.5	89.4	87.4	127.4	130.3	122.5	83.5	83.8	86.7	4.39456E-05
Q9CQE7	Ergic3	80.9	90.6	85.5	96.4	93.2	89.8	122.7	124.1	120.9	98.6	95.1	102.2	8.64579E-05
Q8BZR9	Ncbp3	83.3	78.4	82.5	90.5	96.4	90.4	118.9	128.1	125.4	100.3	99.5	106.1	6.25225E-05
	Tmem87													
Q8BXN9	a	80.2	84.2	86	99.8	97.3	92.7	111.2	116.7	115.1	106.4	103.2	107.3	8.86508E-05
Q8BUE4	Aifm2	89.6	90.2	94.5	91.6	91.5	92.5	116.9	121.8	117.5	96.8	96.8	100.4	3.23568E-05
Q64281	Lilrb4	76.4	79.6	76.6	118.4	105.7	104.7	86.9	85.8	87	128.7	121.2	128.8	6.4123E-05
P19221	F2	35.4	35.7	31.7	61.9	62.6	56.3	178.7	231	188.5	112.6	93.4	112.3	6.94212E-05
	Hsd17b1													
Q9EQ06	1	90.8	93	93.4	92.3	92.5	91.7	112	121	118.6	97.3	97.1	100.2	8.44185E-05
Q9CQS5	Riok2	111	113.8	117	104.4	102.4	100	88.3	89.4	90.1	91.7	96.3	95.4	7.32331E-05
Q8K1Z0	Coq9	84.7	90.8	89.9	94.1	89.4	91.4	123.6	119.5	118.7	98.5	95.9	103.4	7.3578E-05
Q99N84	Mrps18b	93.7	93.7	89.7	95	89.8	92.3	118.5	116.3	114.2	97.8	97.4	101.6	6.91539E-05
Q8CCH2	Nhlrc3	81.2	81.2	82.7	105.2	97	103	111.3	109.3	114.9	107.2	103.9	103.1	8.13629E-05
Q9DAS9	Gng12	88.1	87.8	87.3	100.6	100.1	98.6	109.8	106.7	110.5	105.2	99.9	105.5	7.98552E-05
Q61048	Wbp4	102.2	101.1	104.7	121.7	114.7	116.2	70.9	73	79.3	104.8	102.2	109.3	4.92243E-05
Q8K0Z7	Taco1	88.2	91	90.3	86.9	96	90.1	121.3	132.7	125.3	90.4	93.9	94	8.7241E-05
	Arhgef1													
A2AWP8	0l	118.6	113.9	114.5	97.5	103.3	101.5	90.3	91.8	91.4	91.4	93	92.9	4.19587E-05
Q3V1H1	Ckap2	67.5	70.5	70.4	136.2	121.5	122.3	84.2	84.3	88	115.2	125.1	114.8	5.15026E-05
Q9WVM1	Racgap1	87.8	86.6	86.5	110.2	103.8	109.1	91.9	95.7	94.6	112.4	113.6	107.8	8.64579E-05
Q31125	Slc39a7	84.9	85.7	90.6	94.7	92.4	90.4	117.7	120.9	118.8	104	97.4	102.5	4.90078E-05
P43883	Plin2	55	56.5	57.6	82	79.1	79.7	163.1	169	160	99.3	96.8	101.9	1.61924E-06

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8R1G6	Pdlim2	114.6	111.9	112.3	103.5	102.4	105.8	84.3	83.1	82.2	97.1	100.1	102.6	2.24605E-05
Q9Z2Z6	Slc25a20	84.3	80.7	80.3	92.8	91.6	91.1	124	134.5	123.4	100.1	96.6	100.6	4.08553E-05
Q3UDF0	Slc2a6	78	81.1	85.4	91.8	91.1	88.5	125.1	124.7	123.1	106.7	96.9	107.6	5.42103E-05
Q9CPQ1	Cox6c	69.5	69.8	67.8	95.8	104.9	90.6	133.8	126	128.3	105.8	97.7	110	7.15723E-05
Q80WR5		117.1	120.4	120.3	100.3	97.2	100.7	90.3	79.5	83	97.5	97.2	96.6	7.3578E-05
Q9CQ88	Tspan31	84	85.3	83.9	89.3	82.8	89.1	132.7	135.2	125	97.9	97.6	97.1	2.38593E-05
Q922H2	Pdk3	90.1	90	92.9	89.1	91.8	94.7	118.2	125.3	122	94.1	94.6	97.1	3.50583E-05
Q9WUZ9	Entpd5	88.5	87.2	92.7	94.3	91.1	88.4	122.8	127.8	123.7	93.3	94.9	95.1	2.25608E-05
Q9D600	Gins2	101.6	104.1	104.6	122.4	111.5	113.5	76.1	74.7	79.9	100.6	105.9	105.2	8.3239E-05
Q91WK1	Spryd4	84.3	90.4	87.4	98.6	93.3	90.9	116.8	117.3	118	99.3	100	103.7	7.91683E-05
Q9R1S3	Pign	80.8	77.4	83.3	94.6	95.6	92.4	122.5	130.3	129.7	94.7	96.5	102.3	3.46106E-05
O35386	Phyh	117.5	115.7	119.3	94.5	98.6	98.1	92.4	96.9	94.9	87.1	94.3	90.7	7.54806E-05
Q9D6K5	Synj2bp	77	79.5	82.1	97.1	94.7	91.5	124.8	122.2	122.6	104.1	98.4	105.9	2.47248E-05
Q8BH79	Ano10	84.7	75.8	86.7	80.8	89.9	80.7	139.2	154	140.7	86.4	91.5	89.6	5.15026E-05
	Rnaseh2													
Q9CQ18	c	112.8	125.2	125	120.6	105.2	118.1	62.9	63.5	64.5	104	98	100.2	8.64579E-05
O35598	Adam10	95.6	89.9	91.6	91.6	94.5	90.4	121.2	128.2	121.2	90.2	94.3	91.1	4.47401E-05
Q9CRA5	Golph3	111.9	112.8	117.7	100.5	99.9	98.3	92.5	91.4	89.3	94.5	96.4	94.8	4.90078E-05
Q99J27	Slc33a1	85.7	88	77.5	93.6	88.4	89.8	119.6	124.8	124.4	103.4	103.6	101.2	6.1428E-05
Q8C263	Ska3	67.8	69.1	67.9	102.9	110	109.6	100.2	113.2	113.1	118	116.6	111.7	7.39442E-05
P50171	Hsd17b8	78.8	80.8	79.9	90.5	87.1	85.4	141.5	134.6	127.8	101.1	95.3	97.3	2.92872E-05
P0C6B7	Igsf6	110.5	109.2	119	110.7	111.1	116.4	69.6	70.2	67.5	110.4	101.9	103.5	4.61361E-05
Q9D2R6	Coa3	68.5	70.9	65.8	102.1	98.2	91	131.3	122.8	128.7	110.4	100	110.2	5.36108E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q9ER41	Tor1b	82.1	82.7	85	93.8	90.6	89.3	130.8	127.9	120.2	100.3	98	99.3	3.05793E-05
Q9DCC8	Tomm20	85.6	87.8	87.1	97.3	101	100	113.7	110.1	113.4	102.6	98	103.5	5.99019E-05
P11881	Itpr1	113.8	100.5	104.2	77.7	80.8	77.2	136.6	136.8	129.4	79.6	80.9	82.5	2.76658E-05
Q80TN4	Dnajc16	85.3	82.3	89.1	95.7	96.9	95	119.5	123.5	122.8	95	95.2	99.8	2.70786E-05
Q6PG16	Hjurp	71.5	65.9	71.1	125	129.5	130.8	85.5	87.3	88.8	107.1	120.3	117	2.54184E-05
O55126	Nipsnap 2	88.2	84	88.6	92.3	92.2	89.8	122.5	127.3	122.1	98.1	92.7	102.2	4.82617E-05
O55125	Nipsnap 1	86.5	85.9	87.8	93.2	90.6	90.9	120.4	128.1	125.8	97.5	94.2	99	2.07025E-05
Q811J3	Ireb2	121.5	126.8	127.4	101.8	103.7	105.4	76.6	79.4	83.7	88	92.3	93.5	2.38593E-05
P0DOV2	Ifi204	87	88.1	82.3	112.8	106.5	106.2	90.5	89.1	88	116.2	114.4	118.9	4.47401E-05
Q61703	Itih2	46.3	48.5	46.8	59.6	60	56.2	154.2	196	178.3	125.6	99.9	128.6	8.72476E-05
Q9D3B1	Hacd2	68.2	69.2	73.6	86.1	99.7	83.5	134.5	145.5	141.7	95.6	98.4	103.9	5.2417E-05
Q6RUT7	Ccsmst1	70.8	76.4	77.8	95.4	93.2	89.1	127.5	127.3	130.6	102.7	98.1	111.2	4.67397E-05
P61804	Dad1	76.6	79.1	80.6	88.8	92.8	88.8	119.2	120.8	131.3	112.5	102.9	106.6	8.70273E-05
Q91WA1	Tipin	104.8	115.4	110.9	132.2	117.4	133.3	54.9	51.6	61	108.2	105.8	104.5	4.61936E-05
Q9D975	Srxn1	74.9	80.6	75.9	95.2	94.6	88.9	129.3	125.6	122.2	107.4	100.7	104.8	2.95731E-05
P12023	App	77.7	82.7	76.3	97.1	95.9	95.5	119.1	122	119	109.2	99.8	105.7	4.05129E-05
Q3UA16	Spc25	94.1	97	98.7	117.4	111.4	112.6	81.7	86	87.7	106	102.8	104.7	7.93899E-05
B2RWS6	Ep300	116.8	109.9	110.2	125.6	116	117.3	73.2	67.8	77.6	90	96.1	99.5	9.95431E-05
P56390	Cks2	85.5	81.1	77.1	126.7	127.3	119.4	74.7	73.4	78.6	118.2	115.5	122.3	2.24605E-05
Q8BFY7	Pimreg	89.2	96.8	89	121.9	118.4	119.3	75.1	73	73.5	113.2	118.3	112.3	1.76997E-05
Q62313	Tgoln1	60.6	66.9	59.5	101.4	91	90.9	139	128.5	138.1	109.8	102.6	111.7	3.49561E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8C6I2	Sdhaf2	76.8	77.7	79.6	93	91.3	96.3	125.8	121.4	127.6	104.2	97.7	108.6	4.01765E-05
O35955	Psmb10	106.1	104	107.6	109	107.3	108.3	77	85.1	85.5	103.1	104.4	102.5	9.21497E-05
Q3URE1	Acsf3	88.7	91.9	92.3	94.5	92.2	91.2	115.6	121.6	120.5	97.3	98.1	96.2	2.76658E-05
Q9CZL5	Pcbd2	85.9	87.7	90.8	96.5	93.6	93	116.6	118	117	100.5	97.8	102.4	2.58974E-05
Q8R0F8	Fahd1	98.7	100.1	103.5	81.8	78.5	81	126.9	131.8	125.8	94.8	85.6	91.4	2.53608E-05
A1L314	Mpeg1	122.8	119.5	125.1	104.9	101.4	98.2	75.4	77.6	78.3	99.7	99.5	97.5	1.63466E-05
O35316	Slc6a6	146.7	142.7	150.3	96.3	100.2	103.3	65.1	67.3	69.2	84.5	86.3	88.1	2.35904E-06
O55003	Bnip3	156.7	158.6	164.7	105.3	101.8	102.2	50	60	58.4	78.4	81.6	82.4	2.20093E-06
	Tmem10													
Q8VC04	6a	79.1	82	84.5	111.5	113.3	111.1	88.2	96.9	95.8	110.2	114.7	112.7	6.15936E-05
P15702	Spn	76.9	77	77.9	130.6	112.9	118.1	80.2	82.9	86.6	117.3	117.3	122.2	8.44185E-05
Q8K370	Acad10	87.9	89.4	91	96.3	98.7	91.6	112.2	117.7	115.4	100.1	100.6	98.9	8.99377E-05
Q8CIM3	D2hgdh	84.7	88	83.7	88.8	85.8	90.4	129.6	131.2	125.5	100.9	94.3	97.2	1.76997E-05
Q08297	Rad51	80.9	84	81.6	106.6	103.6	102.3	110.8	109.6	106.6	106.1	103.1	104.9	2.58974E-05
Q8C0L8	Cog5	89.8	82.4	91.3	84.5	89.8	87.9	127.3	130.5	131.6	89.6	96.8	98.5	4.63182E-05
Q9D6V8	Paip2	85.1	83.2	81.8	132.9	120.6	130.8	76.5	67.5	72.9	120.3	116.8	111.7	3.63605E-05
P43024	Cox6a1	79.1	80.1	82.5	100.1	99.5	93	116.6	117.5	114.6	108	102.3	106.7	4.19587E-05
P36371	Tap2	90.3	88.7	89.4	94.4	95.3	96.3	115.4	120.5	118.7	94.8	98.2	98.2	1.76997E-05
Q9DCA2	Mrps11	93.2	93.9	91	91.1	90.9	91.8	112.4	120.7	118.6	96.4	99.3	100.6	7.3578E-05
E9Q5F9	Setd2	110.3	103.7	108.3	112.3	110.3	109.9	77.7	79.1	82.8	97.9	104.1	103.6	6.33677E-05
Q91ZW2	Pofut1	88.7	90.9	94.4	87.9	96.4	93.5	123.2	125.3	117.4	94.3	94.1	94	9.47877E-05
Q9D9Z1	Knstrn	103.1	104.3	104.6	132.4	120.2	127.9	61.5	67.2	69.5	100.2	103.7	105.5	2.58974E-05
Q9CR10	Oxld1	84.4	89.4	89.9	91.2	82	83.8	128.2	131.9	135.2	94.3	94.3	95.3	2.57497E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q9CYW4	Hdhd3	75.3	81.8	81.3	95.7	86.3	82.6	125.1	137.1	136.1	100	98.4	100.4	8.29599E-05
Q922B1	Macrodl	94.1	90.4	99.2	84.3	82.9	82.8	127.3	133.9	126.3	89.9	94.6	94.3	2.95731E-05
Q3V1T4	P3h1	77.1	79.2	78.1	86.2	89.3	93.2	126.3	139.1	135.2	96.2	99.3	100.9	2.95731E-05
Q9CR86	Carhsp1	74.2	74.8	77	96.1	98.4	95	122.6	127.2	131.8	103	99.8	100.2	1.50383E-05
Q3UUI3	Them4	86.1	88.3	87.8	92.4	87.1	90.1	127.6	128.7	132.6	91.2	94.3	93.8	6.85351E-06
Q9D023	Mpc2	71.3	78.9	77.3	93.8	94.4	90	125.1	129.6	131.1	99.8	98.6	110.1	4.92042E-05
Q91VE0	Slc27a4	90.9	82.6	89.9	79.9	92	89.7	132.5	136.7	130.6	86.6	93	95.7	8.08272E-05
Q7TMF2	Eri1	130.1	126.9	138.1	100.7	94.4	102.6	82.9	81.5	79	84.3	92.5	86.9	4.8877E-05
P47930	Fosl2	105.3	100.2	105.6	114.6	110	109.4	73.8	78	81.9	104.3	108.2	108.7	7.00366E-05
Q9WTX2	Prkra	86.4	84.8	86.8	93	91.6	91.2	126.1	124.5	123	95.8	98.3	98.6	1.9039E-06
O70201	Birc5	82.6	85.6	88.3	125.9	119.1	123.8	76	83.2	80	116.3	113.7	105.4	5.37986E-05
Q3UDW8	Hgsnat	82.2	69.7	80.5	79.9	90.2	81.1	146.7	170.1	150.9	80.2	82.3	86.2	7.00366E-05
Q9CZI9	Aen	90.1	89.9	88.2	107.7	104	106.8	98.7	99.7	102.1	103.3	104.2	105.2	5.67837E-05
P63030	Mpc1	74.9	76.1	80.9	98	92.1	89.4	127.5	130.5	131.2	99	95.4	105.1	3.49561E-05
Q7TSY8	Sgo2	132.6	132.6	127.7	113	107.1	115	65.9	56.8	59.3	98.3	96.6	95.2	1.09895E-05
P22518	Clk1	65.3	69	64	72.1	77.7	84.6	164.6	155.3	146.1	103.3	98.8	99	2.24372E-05
Q9ERH4	Nusap1	84.1	88.8	82.7	132.9	121.1	124.1	76.5	77.6	80.6	108.4	114.3	109	4.05129E-05
Q3U2A8	Vars2	102.8	98.2	104.4	84.9	89.3	86.7	126.4	120.4	123.4	82.9	90.3	90.4	4.97766E-05
Q9CZN8	Qrs11	94.5	92.2	92.5	98.9	92.6	92.7	112.1	115.9	115.5	97.2	97.4	98.6	9.2914E-05
Q8CFV9	Rfk	73.5	77.7	84.8	92.8	99.9	93.7	125.6	127.3	132.7	96.5	97	98.5	4.82617E-05
Q3UHH1	Zswim8	86.9	87	85.9	86.2	94.5	90.1	119.1	125.8	121.5	99.6	99.4	103.9	4.61936E-05
P97783	Mllt11	57.6	67.3	56.7	83	68.1	66	115.7	107.3	120.3	155.2	157.9	144.8	3.51792E-05
Q9CR46	Ska2	66.2	66.8	68.9	124.8	111.8	116.6	86	88.1	92.7	124.9	124.1	128.9	2.22534E-05

Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
Q8C0L0	Tmx4	75.5	81.6	82	90.4	87.3	91.4	129.9	133.8	133.4	99.6	96.6	98.4	7.18133E-06
Q9CXY9	Pigk	90	81.4	88.5	93.3	91.9	91.5	124.1	132.5	120.6	96	94.2	96	8.76837E-05
Q8VD57	Sft2d2	73.8	77.3	78.7	92	97.5	90.9	127.3	129.2	132	96	100.8	104.5	2.22534E-05
Q8BH51	Cox14	74.8	72.1	76.5	91.5	102	88.6	144.2	137.4	139.2	90.9	89.1	93.6	2.26247E-05
Q9D0P0	Ebpl	76.5	74.2	77.2	86.9	90.9	89.7	136.9	138.8	129.9	100.8	94.9	103.3	1.756E-05
Q00623	Apoa1	45	46.3	44.5	49.4	52.3	52.8	155.8	190.1	170.8	145	108.6	139.4	7.24382E-05
Q99MK9	Rassf1	73.6	72.5	72.7	119.5	126.1	116.4	82.8	95.4	93.4	111.7	117.4	118.5	6.54149E-05
P51943	Ccna2	75.8	79.8	75	126.7	124.2	126.4	76.3	80.9	87.6	116.6	121.5	109.4	4.16232E-05
Q8CAK1	Iba57	67.9	66.4	72	84.7	89.7	81.1	139.6	164	158.4	89.1	94.2	92.9	4.65824E-05
Q8BHD8	Pcmtd2	84.3	79.6	90.7	79.3	85.9	82.3	138.7	149.8	139.6	85.7	93.1	91	3.25629E-05
Q8BJ56	Pnpla2	72.8	75.7	87.4	72	80.8	75.4	154.5	173.4	158.6	74.4	86	89	4.47401E-05
B1B212	H60b	65.7	66.8	69.7	119.6	108.3	110.2	93.5	91.2	91.1	136.9	117.9	129.1	8.54099E-05
Q3TC33	Ccdc127	74.1	73.7	87.8	88.6	88.8	88.1	147.2	135	132.5	94.3	92.6	97.4	8.25969E-05
	D10Wsu													
Q9CX66	102e	97.4	94	97.9	130.5	120.4	121.7	72.7	77.3	79.9	103.9	104.5	99.8	4.65824E-05
Q9DAC7	Ttc32	109.3	111.2	111.6	118.7	107.8	116.1	72.6	69.5	75.3	103.4	100.2	104.3	4.16232E-05
Q8VDV3	Rab3il1	129.5	127.8	129.6	98.2	92.4	97.9	85.6	87.3	89.3	83.4	91.5	87.6	1.96502E-05
Q9CRY7	Gdpl1	77.9	72.7	85	91.5	96.8	90.8	125.7	140.3	132.9	92.8	96.6	97.2	9.19668E-05
Q3UMR5	Mcu	92.3	84.7	87	87.9	91.3	89.8	122.8	128.2	121.4	99.1	98.2	97.4	3.16777E-05
Q61070	Ei24	77	73.8	81.8	88.1	89.4	86.7	144.5	137.7	131.3	95.8	96.1	97.6	2.24605E-05
Q9JKK7	Tmod2	45.5	47.2	47.1	57.1	61.3	58.2	174.9	198.5	175.3	122.7	91.5	120.6	4.06613E-05
Q9Z1X9	Cdc45	61.8	60.8	59.6	67.8	69.4	61.7	140.7	157.3	162.9	131.4	107	119.6	5.24253E-05
Q8BG21	Cacfd1	84.2	80.7	82.6	81.4	86.8	89.6	135.3	139.8	130.3	99.3	92.9	97	2.33456E-05



Protein Accession	Gene Name	Control- 1	Control- 2	Control- 3	APAP 100-1	APAP 100-2	APAP 100-3	APAP 500-1	APAP 500-2	APAP 500-3	APAP- HU-1	APAP- HU-2	APAP- HU-3	Adjust pvalue
P98197	Atp11a	74.9	75.9	76.5	94.9	101.4	92.2	125.4	122	125.2	105.3	99.7	106.6	2.61375E-05
Q91V16	Etfrf1	47.9	51.8	50	86.9	82.6	81.5	160.1	146.1	159.6	114.9	101.1	117.4	1.76997E-05
A2A559	Pgap3	77.3	81.8	81.4	86.6	85.4	86.1	128.9	137.1	125.9	100.9	100.7	108	3.09416E-05
Q9Z1T6	Pikfyve	85.5	81.2	98.2	123.4	128.6	128.8	73.9	73.5	77.7	107.4	113	108.9	8.38065E-05
Q9DCI3	Stard3nl	75.2	75.9	82.6	101.7	95.6	94.3	127.3	122.2	119.8	103.1	99.8	102.5	4.8877E-05
Q5NCE8	Mrs2	89.5	87.2	85.7	100.7	98.8	100.1	112.9	118.3	112.4	99.1	94.9	100.4	8.23222E-05
O88939	Zbtb7a	125.6	125.6	138.3	100.1	101.3	106.7	68.4	70.8	74.3	96.7	97.8	94.4	4.29071E-05
Q9CQ00	Dmac1	70.7	80.1	76.4	90.3	91.8	83.5	140.6	136.7	138	99.1	92.7	100.1	2.05287E-05
Q9D818	Sapcd2	139	148.2	151.4	98.7	107.2	93.4	54.7	70.4	62.8	96.4	93.3	84.5	5.8088E-05
Q14CH7	Aars2	86.9	84.7	87.8	88.7	86.6	87.2	124.9	140.4	127.8	92	95.8	97.3	7.31812E-05
Q60611	Satb1	92.6	100.1	101.4	80.2	76.2	76.5	123.3	115.3	119.6	109	101.1	104.8	8.72476E-05
Q920Q8	Ivns1abp	147.9	138.7	146.3	81.4	91.1	97.6	83.4	82.7	81.4	78.4	90.4	80.8	5.12469E-05
Q9DBH0	Wwp2	150.7	130	148.2	89.6	95.7	94.8	79.2	81	78.6	81.2	82.6	88.3	7.3578E-05
O09126	Sema4d	138.5	143	137.1	107.7	110.1	106.3	52.9	54.3	58.7	94.5	97.1	99.9	1.9039E-06
Q8BZ36	Rint1	107.4	105.4	106.7	103	102.7	100.6	92.1	94.8	94.6	97.1	98.8	96.8	9.6261E-05
Q99PL7	Scd3	148.5	140.7	153.5	98.5	111.2	107.5	57.9	68	67.4	80.8	84.4	81.7	2.38593E-05
Q01339	Apoh	16.6	17.1	11.6	23.8	31.7	25.9	248.7	275.8	210.1	130.9	95.5	112.3	4.05129E-05
P60603	Romo1	76.1	75.6	81.8	89.2	95.4	89.1	131.3	133.8	131.6	102.3	96.6	97.1	1.69427E-05
Q8K2T4	Uqcc3	78.6	79.7	84	93	97.7	85.9	119.7	117.6	122	109.3	104.5	108	7.93899E-05
Q9JKY5	Hip1r	76.2	83.2	71.8	133.6	140.9	124.3	77.3	69.3	83.3	114.4	111.5	114.2	8.88647E-05

**Table S2    Localization of differentially expressed proteins in macrophages**

<b>Protein Accession No.</b>	<b>Location</b>	<b>MW [kDa]</b>	<b>calc. pI</b>
Q8BTM8	cytoplasm; extracellular	281	6.04
E9PVX6	nucleus	350.7	9.72
P16546	cytoplasm; cell membrane; cytoskeleton	284.4	5.33
P09103	cell membrane; endoplasmic reticulum	57	4.88
P23116	cytoplasm; nucleus	161.8	6.77
Q6P5E4	endoplasmic reticulum; Golgi apparatus	176.3	5.62
Q8CAQ8	mitochondria	83.8	6.61
Q8VHX6	cell membrane; cytoskeleton	290.9	5.95
Q03265	cell membrane; mitochondria	59.7	9.19
Q01320	cytoplasm; nucleus	172.7	8.6
Q8BFR5	mitochondria	49.5	7.56
Q91YQ5	cytoplasm; endoplasmic reticulum	68.5	6.46
Q3U0V1	cytoplasm; nucleus	76.7	7.33
Q8CGK3	cytoplasm; mitochondria	105.8	6.57
P49710	mitochondria	54.2	4.84
P26443	mitochondria; endoplasmic reticulum	61.3	8
Q9CQN1	nucleus; mitochondria	80.2	6.68
Q7TMK9	cytoplasm; nucleus; endoplasmic reticulum	69.6	8.59
Q922J3	cytoplasm; nucleus; cytoskeleton	155.7	5.24
Q9QZQ1	cytoplasm; cell membrane; nucleus	206.4	6.32
P30416	cytoplasm; nucleus; mitochondria; cytoskeleton	51.5	5.72
P61979	cytoplasm; nucleus	50.9	5.54
P18242	extracellular; mitochondria; lysosomes	44.9	7.15
Q8BG05	cytoplasm; nucleus	39.6	9.01
Q99MR6	cytoplasm; nucleus	100.4	5.97
P08249	cytoplasm; mitochondria	35.6	8.68
Q9EQP2	cell membrane; endoplasmic reticulum	61.4	6.76
Q9Z2I8	cell membrane; mitochondria	46.8	7.02
O70318	cytoplasm; cell membrane; cytoskeleton	109.9	5.43
Q8VIJ6	cytoplasm; nucleus	75.4	9.44
Q8BHN3	endoplasmic reticulum; Golgi	106.8	6.06

	apparatus		
Q60597	nucleus; mitochondria	116.4	6.83
Q04447	cytoplasm; extracellular; mitochondria	42.7	5.67
Q9Z1Z2	cytoplasm; nucleus	38.4	5.12
Q6A068	cytoplasm; nucleus	92.1	8.02
P10605	cytoplasm; cell membrane; extracellular; lysosomes	37.3	5.91
Q99L45	cytoplasm	38.1	5.8
P30681	cytoplasm; extracellular; nucleus	24.1	7.31
P47738	mitochondria	56.5	7.62
Q99LC5	cytoplasm; mitochondria	35	8.38
Q8QZT1	mitochondria	44.8	8.51
Q8BWT1	mitochondria	41.8	8.09
Q8K1B8		75.6	7.05
Q60932	cell membrane; mitochondria	32.3	8.43
Q6A028	cytoplasm; cell membrane; nucleus; cytoskeleton	69	6.05
Q9CVB6	cytoplasm; nucleus; cytoskeleton	34.3	7.36
Q6GQT9	endoplasmic reticulum	133.3	6.09
Q91WQ3	cytoplasm; nucleus	59.1	7.01
P63158	cytoplasm; cell membrane; extracellular; nucleus	24.9	5.74
Q8QZY1	cytoplasm; nucleus	66.6	6.44
P17918	nucleus	28.8	4.77
Q7TSC1	cytoplasm; nucleus	229.1	9.39
P05202	cell membrane; mitochondria	47.4	9
Q99K85	cytoplasm	40.4	8.03
P54071	cytoplasm; mitochondria	50.9	8.69
P67778	cytoplasm; cell membrane; nucleus; mitochondria	29.8	5.76
P68510	cytoplasm; cell membrane	28.2	4.89
P62814	cytoplasm; cell membrane	56.5	5.81
Q9CZU6	mitochondria	51.7	8.57
P51881	mitochondria	32.9	9.73
Q9R1T2	cytoplasm; nucleus	38.6	5.36
P11157	cytoplasm; nucleus	45.1	5.45
P21550	cytoplasm; cell membrane	47	7.18
Q8BH59	mitochondria	74.5	8.25
Q99L47	cytoplasm	41.6	5.26
O35857	mitochondria	51.1	8.13
Q8BH04	cytoplasm; mitochondria	70.5	7.28
P50544	nucleus; mitochondria	70.8	8.75

Q8BK64	cytoplasm; endoplasmic reticulum	38.1	5.53
Q9WVA4		22.4	8.24
Q91VH2	cytoplasm; cell membrane; Golgi apparatus	66.5	5.52
Q922U1	cytoplasm; nucleus	77.4	9.5
P25976	nucleus	89.5	5.76
Q8R180	endoplasmic reticulum	54.1	6.54
Q60668	cytoplasm; nucleus	38.3	7.81
D3Z7P3	cytoplasm; mitochondria	73.9	7.99
Q9DCN2	cytoplasm; mitochondria; endoplasmic reticulum	34.1	8.38
Q8BI84	mitochondria; endoplasmic reticulum	213.5	4.75
Q6A065	cytoplasm; cytoskeleton	174.9	7.17
O35841	cytoplasm; nucleus	56.8	5.92
Q60865	cytoplasm	78.1	5.25
P48722	cytoplasm; nucleus	94.3	5.74
Q07076	cytoplasm; cell membrane; nucleus	49.9	6.18
Q6P9P6	cytoplasm; nucleus	118	6
Q925I1	mitochondria	66.7	9.29
P29758	cytoplasm; nucleus; mitochondria; cytoskeleton	48.3	6.62
Q8K297	endoplasmic reticulum	71	7.28
Q810A7	cytoplasm; nucleus	101.9	6.98
P10711	nucleus	33.9	8.38
Q8C1B7	cytoplasm; cytoskeleton	49.7	6.68
Q8K298	cytoplasm; nucleus; cytoskeleton	122.7	6.98
Q91VX2	cytoplasm; nucleus	117.9	7.72
Q8BNW9		67.9	5.39
O08808	cytoplasm; cell membrane; nucleus; cytoskeleton	139.3	5.57
Q9DCX2	mitochondria	18.7	5.69
Q99KQ4	cytoplasm; cell membrane; extracellular; nucleus	55.4	7.15
Q99JY0	mitochondria; endoplasmic reticulum	51.4	9.38
Q922Q8	endoplasmic reticulum	34.9	9.52
P46664	cytoplasm; mitochondria	50	6.38
P11440	cytoplasm; nucleus; mitochondria; cytoskeleton	34.1	8.43
Q9D051	cytoplasm; mitochondria	38.9	6.87
Q5SSZ5	cytoplasm	155.5	6.65

Q9CQW2	cytoplasm; lysosomes	21.5	8.43
A2APB8	cytoplasm; extracellular; nucleus	85.8	9.38
Q5SXY1	cytoplasm; cell membrane; nucleus	118	6.64
P51174	mitochondria	47.9	8.31
Q9ESZ8	cytoplasm; nucleus	112.2	6.55
P23198	nucleus	20.8	5.22
Q9DCW4	mitochondria	27.6	8.1
Q9D0F3	endoplasmic reticulum; Golgi apparatus	57.8	6.34
Q6NZF1		86.4	8.13
P10404	cell membrane	69.6	7.96
O08795	endoplasmic reticulum	58.8	4.46
Q9Z2I9	mitochondria	50.1	7.01
Q9DBH5	extracellular; Golgi apparatus	40.4	6.95
Q3TIV5	cytoplasm; nucleus	48.3	5.3
P98078	cytoplasm; cell membrane; nucleus	82.3	6.1
Q8BVE3		55.8	6.61
Q9DC61	mitochondria	58.2	6.83
Q60930	mitochondria	31.7	7.49
Q9CYN2	endoplasmic reticulum	25	8.57
P32020	cytoplasm; mitochondria; endoplasmic reticulum	59.1	7.44
Q8C129	cytoplasm; cell membrane	117.2	5.96
Q6PGB6	cytoplasm; nucleus	19.4	8.81
P35979	cytoplasm; nucleus	17.8	9.42
Q3UKJ7	cytoplasm; nucleus	57.5	7.18
P59328	nucleus	124.2	5.63
Q60715	mitochondria; endoplasmic reticulum	60.9	5.9
O35639	cytoplasm; cell membrane	36.4	5.76
P39749	nucleus; mitochondria	42.3	8.34
Q8VEH3	cytoplasm; cytoskeleton; lysosomes	21.4	7.77
Q9Z130	cytoplasm; nucleus	33.5	7.31
Q9JJU8		12.8	4.92
P59325	cytoplasm; cell membrane	48.9	5.52
P97377	cytoplasm; nucleus; cytoskeleton	39	8.54
Q00547	cytoplasm; cytoskeleton	91.7	5.52
Q920E5	cytoplasm	40.6	5.66
Q9EQH2	endoplasmic reticulum	106.5	6.2
Q8R5A3	cell membrane; cytoskeleton	74.3	5.35

Q9D2G2	nucleus; mitochondria	49	8.95
P28650	cytoplasm	50.2	8.43
Q61941	mitochondria	113.8	7.64
Q8VEM8	mitochondria	39.6	9.26
Q922Q4	cytoplasm; mitochondria	33.6	7.77
P45952	mitochondria	46.5	8.37
P51863	lysosomes	40.3	5
O09159	lysosomes	114.6	8.13
Q60931	mitochondria	30.7	8.79
Q9CR68	mitochondria	29.3	8.7
Q80U78	cytoplasm	126.5	6.86
Q9D1J3	nucleus	23.5	6.65
Q9QYG0	cytoplasm	40.8	5.4
Q9DCS9	mitochondria	21	8.03
P35486	mitochondria	43.2	8.19
Q921G7	mitochondria	68	7.58
Q91WN1	cytoplasm; cell membrane; nucleus	30	5.94
Q6RT24	cytoplasm; cytoskeleton	286.3	5.31
P35293	cell membrane	23	5.36
Q8JZQ2	mitochondria	89.5	8.6
P19536	mitochondria	13.8	8.38
P31266	cytoplasm; nucleus	58.5	8.13
Q62087	extracellular	39.3	5.74
Q61102	mitochondria	82.5	9.32
P52293	cytoplasm; nucleus	57.9	5.68
P97329	cytoplasm; cytoskeleton; Golgi apparatus	99.8	6.99
Q9JKB3	cytoplasm; nucleus	38.8	9.69
O08756	nucleus; mitochondria	27.4	8.41
Q9EP89	cytoplasm; mitochondria	60.7	8.9
Q91ZA3	mitochondria	79.9	7.25
Q80TM9	cytoplasm; cell membrane	174.9	5.16
Q8C7X2	endoplasmic reticulum	111.5	7.43
Q99MN9	mitochondria	58.4	7.66
Q3U0V2	cytoplasm; nucleus; cytoskeleton	34.6	5.2
Q07417	mitochondria	44.9	8.47
Q922V4	nucleus	56.9	9.17
Q99LP6	mitochondria	24.3	8.38
P20108	cytoplasm; mitochondria	28.1	7.58
Q99P31	endoplasmic reticulum	39.1	5.36
Q9JLN9	cytoplasm; nucleus; mitochondria; cytoskeleton;	288.6	7.17

	endoplasmic reticulum; lysosomes; Golgi apparatus		
Q6ZQM8	endoplasmic reticulum	59.7	8.35
P09671	cytoplasm; mitochondria	24.6	8.62
P42125	mitochondria	32.2	8.98
Q9DB20	mitochondria	23.3	9.99
P48024		12.7	7.44
P33174	cytoplasm; nucleus; cytoskeleton	139.4	6.68
Q8K2C9	endoplasmic reticulum	43.1	9.13
Q60787	cytoplasm	60.2	6.21
Q9DCE5	nucleus	42.1	8.47
	cytoplasm; nucleus; mitochondria; cytoskeleton		
P99029		21.9	8.85
P38060	mitochondria	34.2	8.41
Q8CGC6	nucleus	84.2	9.54
D0QMC3	nucleus	60.5	9.28
Q8K268		79.8	6.16
Q8BGT7	nucleus	26.7	7.24
A2AJI0	cytoplasm; cytoskeleton	93.2	10.15
P10922	nucleus	20.8	10.9
Q8BH95	mitochondria	31.5	8.48
Q8K4R9	cytoplasm; nucleus; cytoskeleton	90.1	9.17
Q8BH24	cell membrane; Golgi apparatus	74.6	7.23
	cytoplasm; cell membrane; mitochondria; Golgi apparatus		
Q2TBE6		54.2	8.05
O70503		34.7	9.52
P70227	endoplasmic reticulum	304.1	6.54
O08915	cytoplasm	37.6	6.4
Q9EQ28	cytoplasm; nucleus	50.8	9.32
P55096		75.4	9.26
Q05117	lysosomes	36.8	8.9
O88783	extracellular	247.1	6.05
Q9JJ11	cytoplasm; cytoskeleton	70.6	4.61
Q80W54	nucleus; endoplasmic reticulum	54.7	6.95
P97494	cytoplasm; mitochondria	72.5	5.9
Q80U58	cytoplasm	114.2	7.08
Q9JLI6	cytoplasm; Golgi apparatus	47.1	6.8
Q922S8	cytoplasm; nucleus; cytoskeleton	81	7.97
P52633	cytoplasm; nucleus	93.4	6.23
Q6ZPY7	nucleus	170.8	6.92
	cytoplasm; cell membrane; nucleus; cytoskeleton		
Q62433		43	6.1
Q8K078	cell membrane	77.6	7.85

Q9D1E6	cytoplasm; cytoskeleton	27.4	5.24
O88531	extracellular; lysosomes	34.5	8
Q8JZN5	mitochondria	68.7	7.46
Q8R1V4	endoplasmic reticulum; Golgi apparatus	26	8.18
Q9D6Y9		80.3	6.43
Q8C8U0		108.5	5.49
Q8BFZ9	cytoplasm; endoplasmic reticulum	37.8	5.5
Q9WUM5	mitochondria	36.1	9.39
O35609	Golgi apparatus	38.4	7.64
Q99JR1	mitochondria	35.6	9.23
Q61771	cytoplasm; cytoskeleton	85.2	7.69
Q9CQF9	lysosomes	56.5	6.92
Q9Z0J0	extracellular; endoplasmic reticulum; lysosomes	16.4	7.68
Q8BLH7	nucleus	65.2	7.84
Q9D172	mitochondria	28.1	8.78
Q9D379	endoplasmic reticulum	52.5	8.35
Q3TDN2	cytoplasm; endoplasmic reticulum	52.4	5.47
Q9ESW4	mitochondria	46.9	8.4
Q9D0S9	cytoplasm; mitochondria	17.3	9.82
O08663	cytoplasm	52.9	5.82
Q64FW2	endoplasmic reticulum	67.3	8.95
P52825	nucleus; mitochondria	73.9	8.37
Q9DBS5	cytoplasm; cytoskeleton	68.6	6.09
Q8R344		18.9	7.21
Q8BLF1	cell membrane; endoplasmic reticulum	45.7	7.05
P56391	mitochondria	10.1	8.72
Q08024	nucleus	22	5.77
A3KGF7	cytoplasm; cell membrane; Golgi apparatus	134.5	6.01
Q3V300	cytoplasm; nucleus; cytoskeleton	73.1	9.25
P10923	extracellular	32.4	4.53
Q7TMF3	mitochondria	17.1	9.36
P53395	mitochondria	53.2	8.6
Q9D0D4	cytoplasm; nucleus; mitochondria; cytoskeleton	35.3	9.99
Q9CYR0	mitochondria	17.3	9.92
Q8CDM1	nucleus	117.9	6.89
Q9CXE7	endoplasmic reticulum; Golgi apparatus	26.2	4.93
Q6NXI6	nucleus	156.5	7.59



Q80Y14	mitochondria	16.3	6.55
P09581	cell membrane; nucleus	109.1	6.21
P30204	cytoplasm; cell membrane	50.1	6.54
Q9Z0R9	endoplasmic reticulum	52.4	8.82
Q9Z0H4	cytoplasm; nucleus	54.2	8.76
P04441	cell membrane; extracellular; nucleus; endoplasmic reticulum; lysosomes; Golgi apparatus	31.5	8.34
Q3TVI8	cytoplasm; nucleus; cytoskeleton	81.1	5.36
Q61425	cytoplasm; nucleus; mitochondria; cytoskeleton	34.4	8.65
Q9CR62	mitochondria	34.1	9.94
Q9CPV5	nucleus	23.1	5.26
O88384	lysosomes	26.7	8.79
Q8R4N0	mitochondria	37.5	8.54
Q9D666	cytoplasm; nucleus	101.9	6.81
Q9QXE7	nucleus	56.8	5.72
Q8R059	cytoplasm	38.2	6.74
Q9CQC7	nucleus; mitochondria	15.1	9.89
P03975		62.7	9.31
Q9CQY5	cell membrane; endoplasmic reticulum	37.9	9.76
Q8CFE6	cell membrane	55.5	7.94
Q9JHW4	cytoplasm; nucleus; mitochondria; cytoskeleton	63.5	8.29
Q9ERR7	endoplasmic reticulum	17.8	5.35
Q99KB8	cytoplasm; mitochondria	34.1	7.75
P47740	cytoplasm; endoplasmic reticulum	53.9	8.35
Q9CZA6	cytoplasm; cytoskeleton	38.5	5.34
Q8QZS1	mitochondria	43	8.06
Q9QZS3	cytoplasm; cell membrane; nucleus	70.8	8.65
Q9CX56	nucleus	39.9	9.58
Q9EPK6	endoplasmic reticulum	52.4	5.27
Q9R0Q4	nucleus	32.2	9.72
P22315	mitochondria	47.1	8.91
Q8K0C4	cytoplasm	56.7	8.41
Q9D1C1	cytoplasm; nucleus	19.6	7.33
Q3ULF4	mitochondria	85.9	9.04
Q8VEH8	endoplasmic reticulum	54.9	6.25
Q9Z1S0	cytoplasm; nucleus	118.3	5.43
Q9CQE1	cytoplasm	28.3	9.48
Q8JZK9	cytoplasm	57.5	5.99

P30412	cytoplasm	22.8	7.5
P09450	nucleus	35.7	9.22
Q9JHI5	mitochondria	46.3	8.29
Q91VC9	mitochondria	37.3	9.8
P21126	cytoplasm; nucleus	17.8	8.44
Q8K009	nucleus; mitochondria	101.5	6.29
Q64430	cytoplasm; nucleus; Golgi apparatus	161.9	6.62
E9Q1P8	cytoplasm; nucleus	59.3	8.69
Q8BWW4	cytoplasm	79.7	6.39
Q9DB73	cell membrane	34.1	8.87
P48725	cytoplasm; extracellular; cytoskeleton	329.3	5.36
Q99JF5	cytoplasm	44	6.3
Q9QWF0	nucleus	101.9	5.4
Q9CQL7	cytoplasm; nucleus	14.2	4.73
Q9D3P8	cell membrane; mitochondria	17.3	9.5
Q9Z2G9	cytoplasm; nucleus	26.9	8.59
P07607	cytoplasm; nucleus; mitochondria	34.9	6.46
Q00422	nucleus	51.3	5
Q99M54	cytoplasm	28.7	5.81
P97477	cytoplasm; cytoskeleton	44.7	9.38
Q9CXX9	cytoplasm; nucleus	31.8	4.98
Q8R164	cytoplasm	32.8	8.94
Q9CQV1	mitochondria	13.8	9.64
Q91XU3	cytoplasm; nucleus; endoplasmic reticulum	47.3	6.89
O08603	cell membrane; extracellular	28.6	9.07
Q9Z1P6	mitochondria	12.6	10.17
Q99L13	mitochondria	35.4	8.13
Q9CQR4	cytoplasm; nucleus; mitochondria; cytoskeleton	15.2	8.82
Q9D7P6	mitochondria	18.1	9.29
Q3TFK5		46.5	9.39
P52482	nucleus	21.3	8.53
P49025	cytoplasm; nucleus	235.2	6.54
Q8CHY6	cytoplasm; nucleus	67.3	9.89
Q921J4	nucleus	24.2	7.91
Q8K021	Golgi apparatus	38	7.71
P24288	cytoplasm; mitochondria	42.8	5.39
Q9CWG8	mitochondria	48.4	6.95
O70126	cytoplasm; nucleus; cytoskeleton	39.4	9.44
Q80ZV0	nucleus	34.7	9.45

Q80YP0	nucleus	33.9	9
Q99KR7	mitochondria	21.7	9.16
Q8C166	cytoplasm; cell membrane; nucleus	58.8	5.66
Q91XD7		45.7	5.02
Q8CHT0	cytoplasm; mitochondria	61.8	8.24
Q99LZ3	cytoplasm; nucleus	25.9	5.24
Q9CQW9	cytoplasm; cell membrane; lysosomes	14.9	7.4
Q8VE62	cytoplasm	45.7	4.55
Q9D7B6	mitochondria	45	8.13
Q05920	mitochondria	129.6	6.71
O35604	extracellular; nucleus; lysosomes; Golgi apparatus	142.8	5.71
Q91ZE0	mitochondria	49.6	8.25
Q64442	mitochondria	38.2	7.02
Q9DCZ4	mitochondria; endoplasmic reticulum; Golgi apparatus	22.6	9.25
Q9CXR1		38.1	8.32
Q8JZU2	mitochondria	33.9	9.89
Q61823	cytoplasm; nucleus	51.7	5.16
O35405	nucleus; endoplasmic reticulum; lysosomes; Golgi apparatus	54.4	6.52
Q03267	cytoplasm; nucleus	57.3	6.52
Q62086	extracellular; nucleus; mitochondria; lysosomes	39.6	5.83
Q9QYR9	mitochondria	49.6	7.36
Q3UVK0	endoplasmic reticulum	100.1	7.49
Q8R080	cytoplasm; cytoskeleton	78.7	9.39
Q9DBL1	mitochondria	47.8	7.87
Q8K4F5	mitochondria	33.5	9.61
Q8BR63		23.6	4.59
P24860	cytoplasm; nucleus; cytoskeleton	48	7.43
Q9R1Z7	cytoplasm; mitochondria	16.2	6.52
Q05512	cytoplasm; cell membrane; cytoskeleton	86.3	9.67
Q61846	cytoplasm; cell membrane	72.7	8.72
Q8CFE2	nucleus	39.3	7.69
Q8VBZ0	extracellular	35.9	8.09
Q60780	cytoplasm; cell membrane	48.1	7.83
Q8VEB4	extracellular; mitochondria; lysosomes	47.3	6.47
Q9ERG0	cytoplasm; cell membrane;	84	6.6

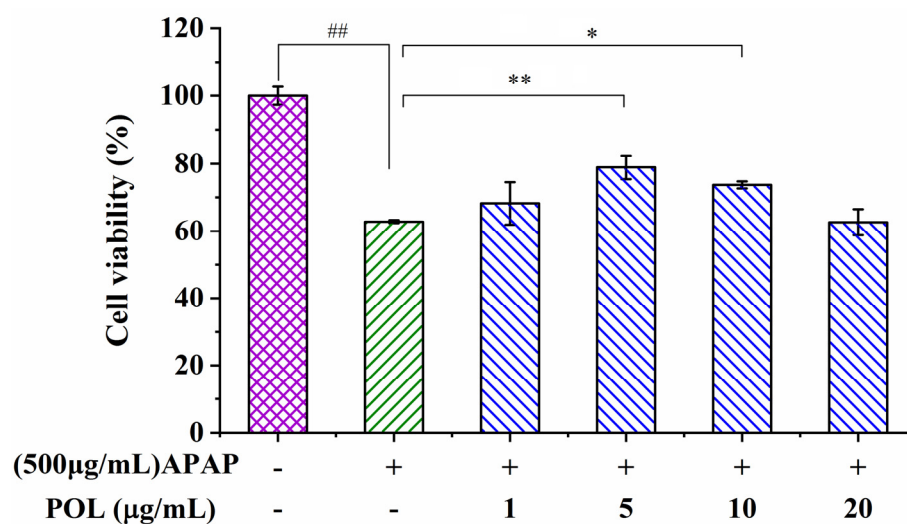
	cytoskeleton		
Q9JJ94	cytoplasm; nucleus; cytoskeleton	13.5	5.68
Q9CQX4	cytoplasm; nucleus	12	9.89
Q60929	nucleus	53.5	7.11
Q9D6M3	mitochondria	34.6	9.09
Q91XE8	cell membrane	21.2	9.42
Q921Q3	endoplasmic reticulum	54.4	8.37
Q8BVK9	nucleus	50.1	9.86
Q8BHG9	nucleus	18.8	8.95
Q9JKF6	cell membrane	57	6.35
P61025		9.7	8.94
Q8BYI6	cell membrane; endoplasmic reticulum; Golgi apparatus	60.2	5.83
Q9CYK1	cell membrane; nucleus; mitochondria	40.1	8.82
P28741	cytoplasm; cytoskeleton	80.1	6.54
P31651	cell membrane	69.6	7.17
Q9CQE7	endoplasmic reticulum; Golgi apparatus	43.2	6.47
Q8BZR9	cytoplasm; nucleus	70	5.8
Q8BXN9	cytoplasm; Golgi apparatus	63.3	6.67
Q8BUE4	cytoplasm; cell membrane; nucleus; mitochondria	40.6	8.98
Q64281	cell membrane	37.5	6.21
P19221	extracellular	70.2	6.43
Q9EQ06	cytoplasm; endoplasmic reticulum	32.9	8.66
Q9CQS5	cytoplasm; nucleus	62.5	6.43
Q8K1Z0	mitochondria	35.1	5.92
Q99N84	nucleus; mitochondria	28.7	8.35
Q8CCH2		38.2	6.23
Q9DAS9	cell membrane	8	8.97
Q61048	nucleus	42.1	7.36
Q8K0Z7	mitochondria	32.3	8.12
A2AWP8	cytoplasm	139.9	5.82
Q3V1H1	cytoplasm; cytoskeleton	74	9.23
Q9WVM1	cytoplasm; cell membrane; nucleus; cytoskeleton	70.1	8.51
Q31125	nucleus; endoplasmic reticulum; Golgi apparatus	50.6	6.87
P43883	cytoplasm; nucleus	46.6	6.87
Q8R1G6	cytoplasm; cytoskeleton	37.7	8.7
Q9Z2Z6	mitochondria	33	9.11
Q3UDF0	lysosomes	54.4	8.32

Q9CPQ1	mitochondria	8.5	10.14
Q80WR5	nucleus	24.8	6.04
Q9CQ88	cell membrane	22.7	8.44
Q922H2	nucleus; mitochondria	47.9	8.82
Q9WUZ9	cell membrane; extracellular; endoplasmic reticulum	47.1	5.29
Q9D600	nucleus	21.2	5.29
Q91WK1	nucleus; mitochondria	23.3	9.45
Q9R1S3	cell membrane; endoplasmic reticulum	105	7.58
O35386	mitochondria	38.6	7.53
Q9D6K5	cytoplasm; mitochondria	15.8	6.3
Q8BH79	cell membrane	76.1	6.7
Q9CQ18	nucleus	17.8	5.8
O35598	cytoplasm; cell membrane; nucleus; Golgi apparatus	83.9	7.94
Q9CRA5	cytoplasm; cell membrane; mitochondria; Golgi apparatus	33.7	6.44
Q99J27	endoplasmic reticulum	61	8.16
Q8C263	cytoplasm; cytoskeleton	45.3	5.26
P50171	mitochondria	26.6	6.54
P0C6B7		26.3	8.73
Q9D2R6	mitochondria	12	9.86
Q9ER41	nucleus; endoplasmic reticulum	37.8	8.02
Q9DCC8	mitochondria	16.3	8.6
P11881	cytoplasm; endoplasmic reticulum	313	6.04
Q80TN4		89.1	7.55
Q6PG16	nucleus; mitochondria	74.2	9.35
O55126	cytoplasm; mitochondria	32.9	9.26
O55125	mitochondria	33.3	9.44
Q811J3	cytoplasm; mitochondria; endoplasmic reticulum; Golgi apparatus	104.9	6.93
P0DOV2	cytoplasm; nucleus	69.4	8.69
Q61703	extracellular	105.9	7.27
Q9D3B1	endoplasmic reticulum	28.4	9.58
Q6RUT7		15.3	4.93
P61804	endoplasmic reticulum	12.5	7.08
Q91WA1	cytoplasm; nucleus	31.5	4.82
Q9D975	cytoplasm	14.1	8.02
P12023	cytoplasm; cell membrane; extracellular; nucleus; endoplasmic reticulum; Golgi	86.7	4.79

	apparatus		
Q3UA16	nucleus	26.4	6.95
B2RWS6	cytoplasm; nucleus	263.1	8.54
P56390		9.9	8.46
Q8BFY7	nucleus	25.7	10.92
	cell membrane; nucleus; Golgi		
Q62313	apparatus	37.8	5.34
Q8C6I2	cytoplasm; mitochondria	19.4	6.35
O35955	cytoplasm;nucleus	29	6.87
Q3URE1		65	8.02
Q9CZL5	nucleus; mitochondria	14.8	9.16
Q8R0F8	cytoplasm; mitochondria	25.2	7.69
A1L314	cytoplasm	78.3	5.92
O35316	cell membrane	69.8	7.23
	nucleus; mitochondria;		
O55003	endoplasmic reticulum	21	7.14
Q8VC04	cell membrane	29.1	7.44
P15702	extracellular;nucleus	40	4.96
Q8K370	mitochondria	118.9	8.24
Q8CIM3	mitochondria	58.5	7.37
	cytoplasm; mitochondria;		
Q08297	cytoskeleton	36.9	5.6
Q8C0L8	cytoplasm; Golgi apparatus	91.3	6.27
Q9D6V8	cytoplasm	14.7	4.12
P43024	mitochondria	12.3	9.98
P36371	endoplasmic reticulum	77.4	7.24
Q9DCA2	mitochondria	20.2	10.77
E9Q5F9	nucleus	285.5	6.3
Q91ZW2	endoplasmic reticulum	44.7	8.41
Q9D9Z1	cytoplasm;nucleus; cytoskeleton	34.7	5.2
Q9CR10	mitochondria	22.2	8.05
Q9CYW4	nucleus; mitochondria	28	6.8
Q922B1	nucleus; mitochondria	35.3	8.85
	extracellular;nucleus;		
Q3V1T4	endoplasmic reticulum	83.6	5.14
Q9CR86	cytoplasm	16.1	8.21
	cytoplasm; cell membrane;		
Q3UUI3	mitochondria	26	9.64
Q9D023	mitochondria	14.3	10.61
Q91VE0	endoplasmic reticulum	72.3	8.59
Q7TMF2	cytoplasm;nucleus	39.5	8.31
P47930	nucleus	35.3	7.49
Q9WTX2	nucleus	34.3	8.43

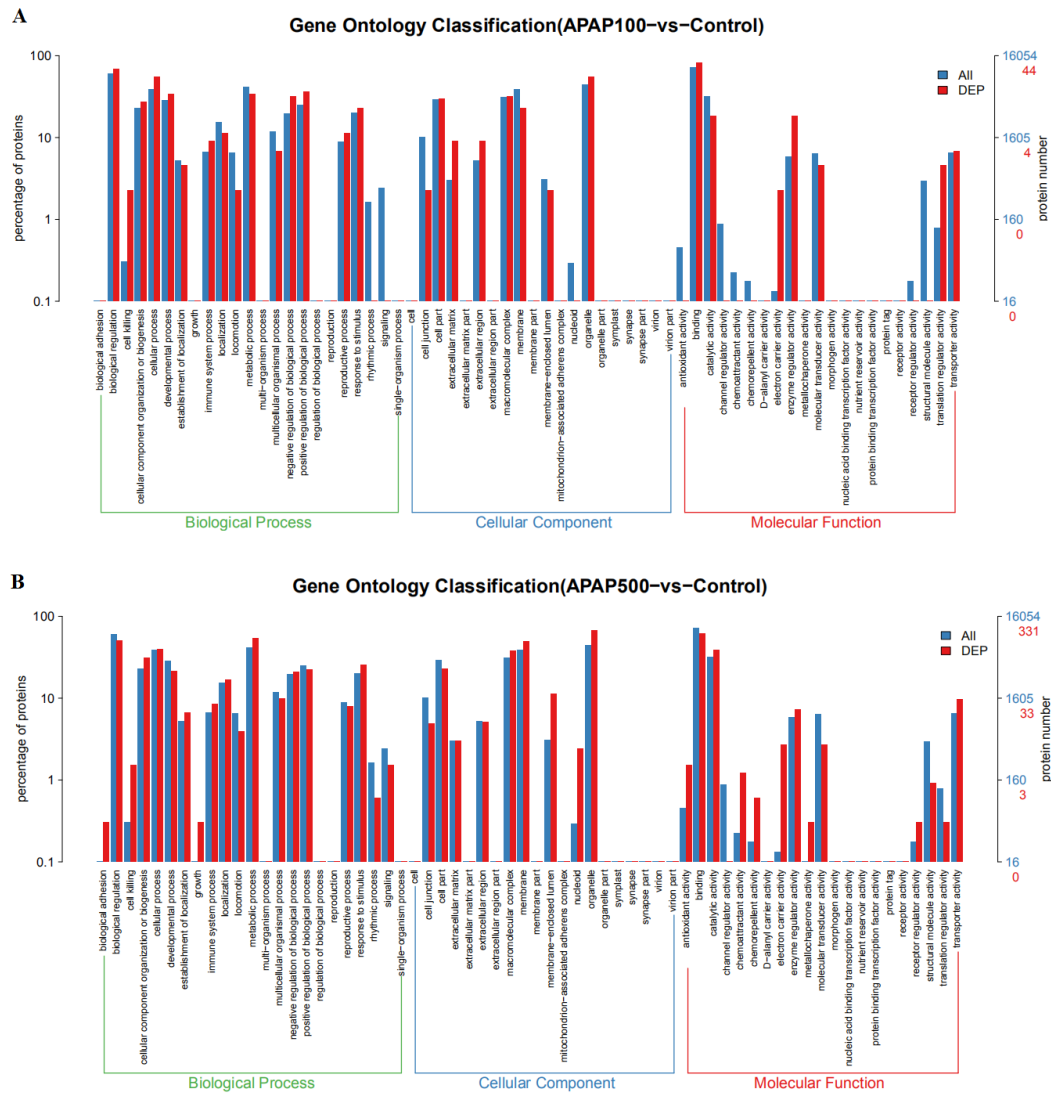
O70201	cytoplasm;nucleus; cytoskeleton	16.3	5.6
Q3UDW8	lysosomes	72.5	8.27
Q9CZI9	nucleus	37.3	8.75
P63030	mitochondria	12.4	9.61
Q7TSY8	nucleus	130.2	8.76
P22518	cytoplasm;nucleus	57.1	8.94
Q9ERH4	cytoplasm;nucleus; cytoskeleton	48.5	9.89
Q3U2A8	cytoplasm; mitochondria	118.4	7.14
Q9CZN8	mitochondria	56.7	5.95
Q8CFV9	cytoplasm; mitochondria	17.4	7.55
Q3UHH1	cytoplasm	196.9	6.84
P97783	cytoplasm;nucleus; cytoskeleton	10	4.41
Q9CR46	cytoplasm; cytoskeleton	13.7	5.55
Q8C0L0	nucleus	37.1	4.37
Q9CXY9	endoplasmic reticulum	44.9	6.54
Q8VD57	cell membrane	17.5	9.09
Q8BH51	mitochondria	6.4	9.79
Q9D0P0	endoplasmic reticulum	23.3	6.89
Q00623	extracellular	30.6	5.73
Q99MK9	cytoplasm;nucleus; cytoskeleton	38.8	9.04
P51943	cytoplasm;nucleus	47.2	6.21
Q8CAK1	mitochondria	38.4	9.01
Q8BHD8	cytoplasm	40.7	6.46
Q8BJ56	cell membrane	53.6	6.46
B1B212	cell membrane; extracellular	28.2	7.71
Q3TC33		30.5	9.13
Q9CX66	nucleus	20	4.84
Q9DAC7		16.8	5.4
Q8VDV3		42.7	6.38
Q9CRY7	cytoplasm; endoplasmic reticulum	35.8	8.31
Q3UMR5	mitochondria	39.7	8.56
Q61070	nucleus; endoplasmic reticulum; Golgi apparatus	38.9	9.72
Q9JKK7	cytoplasm; cytoskeleton	39.5	5.35
Q9Z1X9	nucleus	65.3	5.43
Q8BG21		18.3	5.44
P98197	cell membrane;nucleus; endoplasmic reticulum	135.4	6.48
Q91V16	mitochondria	10.4	9.73
A2A559	endoplasmic reticulum; Golgi apparatus	36.5	7.94
Q9Z1T6	cytoplasm	236.7	6.68
Q9DCI3	nucleus	26.8	5.02

Q5NCE8	mitochondria	49.3	7.53
O88939	cytoplasm;nucleus	60.2	5.12
Q9CQ00	mitochondria	11.3	9.39
Q9D818	cell membrane;nucleus	42.8	8.63
Q14CH7	mitochondria	106.7	6.18
Q60611	nucleus	85.8	6.54
Q920Q8	cytoplasm;nucleus; cytoskeleton	71.5	5.47
Q9DBH0	extracellular;nucleus	98.7	7.11
O09126	cell membrane; extracellular	95.6	7.81
Q8BZ36	cytoplasm; endoplasmic reticulum	90	5.14
Q99PL7	endoplasmic reticulum	41.4	8.94
Q01339	cytoplasm; extracellular	38.6	8.22
P60603	mitochondria	8.2	9.33
Q8K2T4	cytoplasm;nucleus; mitochondria	9.6	9.52
Q9JKY5	cytoplasm; cell membrane; mitochondria	119.4	6.52



**Figure S1 MTT assay for cell viability.** Effect of acetaminophen (APAP) and polydatin on the survival rate of RAW264.7 cells.





**Figure S2** Gene ontology classification (ANOVA) analysis of differentially expressed proteins of macrophages treated with acetaminophen (APAP). (A) APAP100 vs control group, (B) APAP500 vs control group.