

Quantitative Value (Normalized NSAF)

teins	Identified Proteins	Accession Number	Molecular Weight	NSAF		
				control	P.larvae	S.enteritidis
539	acyl-CoA synthetase family member 2, mitochondrial precursor [Apis mellifera]	NP_001193902.1	68 kDa	0	0	0.00020104
342	cytochrome P450 4G11 [Apis mellifera]	NP_001035323.1	62 kDa	0	0	0.00058207
243	cytochrome P450 6AS5 [Apis mellifera]	NP_001035324.1	58 kDa	0	0	0.0012248
315	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 [Apis mellifera]	NP_001229451.1	70 kDa	0	0	0.00087119
533	eukaryotic translation initiation factor 3 subunit H [Apis mellifera]	NP_001229449.1	39 kDa	0	0	0.0003638
136	eukaryotic translation initiation factor 4 gamma [Apis mellifera]	NP_001177977.2	211 kDa	0	0	0.000042576
170	filamin-like [Apis mellifera]	NP_001229316.1	242 kDa	0	0	0.00040251
151	glucose oxidase [Apis mellifera]	NP_001011574.1	68 kDa	0	0.00032561	0.0021201
226	major royal jelly protein 5 precursor [Apis mellifera]	NP_001011599.1	70 kDa	0	0	0.0009539
435	major royal jelly protein 6 precursor [Apis mellifera]	NP_001011622.1	50 kDa	0	0	0.00018648
450	phenoloxidase subunit A3 [Apis mellifera]	NP_001011627.1	80 kDa	0	0.00019264	0
583	PREDICTED: 26S protease regulatory subunit 10B [Apis mellifera]	XP_006571393.1	44 kDa	0	0	0.00041471
473	PREDICTED: 26S protease regulatory subunit 7 [Apis mellifera]	XP_006571886.1	48 kDa	0	0	0.0005633
416	PREDICTED: 26S protease regulatory subunit 8 [Apis mellifera]	XP_006564450.1	46 kDa	0	0	0.00060363
442	PREDICTED: 3-hydroxyisobutyryl-CoA hydrolase, mitochondrial isoform X1 [Apis mellifera]	XP_006563705.1	49 kDa	0	0	0.0001852
235	PREDICTED: 40S ribosomal protein S16 [Apis mellifera]	XP_001122174.1	17 kDa	0	0	0.00082591
246	PREDICTED: 40S ribosomal protein S7 [Apis mellifera]	XP_624943.3	25 kDa	0	0	0.00038079
296	PREDICTED: 60S ribosomal protein L10a [Apis mellifera]	XP_006563278.1	25 kDa	0	0	0.0011266
467	PREDICTED: 60S ribosomal protein L30 [Apis mellifera]	XP_394854.2	13 kDa	0	0	0.00071483
260	PREDICTED: 60S ribosomal protein L4 [Apis mellifera]	XP_392071.2	48 kDa	0	0	0.00028493
313	PREDICTED: 60S ribosomal protein L8 [Apis mellifera]	XP_393671.2	28 kDa	0	0	0.00063416
514	PREDICTED: acidic leucine-rich nuclear phosphoprotein 32 family member A isoform X1 [Apis mellifera]	XP_016768732.1	29 kDa	0	0	0.0006197
229	PREDICTED: actin, clone 205-like [Apis mellifera]	XP_003251464.1	42 kDa	0	0.00071011	0.00075855
557	PREDICTED: adenylate kinase [Apis mellifera]	XP_623921.1	29 kDa	0	0.00052976	0
386	PREDICTED: adenyl cyclase-associated protein 1 isoform X1 [Apis mellifera]	XP_393642.4	87 kDa	0	0.00016985	0.00015552
574	PREDICTED: alanine aminotransferase 1 [Apis mellifera]	XP_006559494.1	61 kDa	0	0	0.00015007
231	PREDICTED: alpha-2-macroglobulin-like protein 1 isoform X1 [Apis mellifera]	XP_006565503.1	200 kDa	0	0.00022538	0.000045858
321	PREDICTED: alpha-actinin, sarcomeric [Apis mellifera]	XP_016770377.1	107 kDa	0	0	0.00039816
540	PREDICTED: alpha-aminoadipic semialdehyde synthase, mitochondrial [Apis mellifera]	XP_624513.2	102 kDa	0	0	0.000088769
466	PREDICTED: aminoacylase-1-like [Apis mellifera]	XP_392498.1	45 kDa	0	0.00033292	0.00040643
555	PREDICTED: aminomethyltransferase, mitochondrial [Apis mellifera]	XP_394029.4	50 kDa	0	0	0.0005373
487	PREDICTED: AP-1 complex subunit beta-1 [Apis mellifera]	XP_006561243.1	103 kDa	0	0	0.00017487

581	PREDICTED: aspartate--tRNA ligase, cytoplasmic [Apis mellifera]	XP_393437.2	61 kDa	0	0	0.00022933
405	PREDICTED: ATP synthase subunit gamma, mitochondrial [Apis mellifera]	XP_625078.1	33 kDa	0	0	0.0002753
575	PREDICTED: ATPase family AAA domain-containing protein 3 [Apis mellifera]	XP_006557761.1	69 kDa	0	0	0.00013403
573	PREDICTED: ATP-dependent RNA helicase WM6 [Apis mellifera]	XP_006561684.1	49 kDa	0	0	0.00019219
139	PREDICTED: basement membrane-specific heparan sulfate proteoglycan core protein [Apis mellifera]	XP_016769030.1	567 kDa	0	0	0.00012818
327	PREDICTED: beta-galactosidase-like [Apis mellifera]	XP_001121565.1	73 kDa	0	0.00031095	0.00025307
338	PREDICTED: beta-hexosaminidase subunit beta-like isoform X1 [Apis mellifera]	XP_006561863.1	64 kDa	0	0	0.00014423
587	PREDICTED: bleomycin hydrolase isoform X1 [Apis mellifera]	XP_001119959.2	52 kDa	0	0	0.00017871
434	PREDICTED: CAD protein [Apis mellifera]	XP_393888.4	254 kDa	0	0	0.000089432
609	PREDICTED: calcineurin B homologous protein 1 [Apis mellifera]	XP_006567441.1	22 kDa	0	0	0.00043116
602	PREDICTED: calcium-binding mitochondrial carrier protein Aralar1 isoform X1 [Apis mellifera]	XP_016769032.1	82 kDa	0	0	0.00016722
423	PREDICTED: calcium-transporting ATPase sarcoplasmic/endoplasmic reticulum type isoform X1 [Apis mellifera]	XP_006565281.1	112 kDa	0	0	0.00031957
452	PREDICTED: carboxypeptidase D [Apis mellifera]	XP_016768323.1	190 kDa	0	0.0001197	0.000048709
462	PREDICTED: carboxypeptidase Q-like [Apis mellifera]	XP_393632.2	53 kDa	0	0.00027871	0.00017013
485	PREDICTED: casein kinase II subunit alpha isoform X1 [Apis mellifera]	XP_006570473.1	56 kDa	0	0	0.00017412
591	PREDICTED: chaoptin-like [Apis mellifera]	XP_016767569.1	134 kDa	0	0	0.000070799
223	PREDICTED: clathrin heavy chain [Apis mellifera]	XP_623111.3	192 kDa	0	0	0.00029138
422	PREDICTED: coatamer subunit alpha [Apis mellifera]	XP_623198.1	138 kDa	0	0	0.00016781
504	PREDICTED: coatamer subunit delta [Apis mellifera]	XP_624725.1	58 kDa	0	0	0.00039558
436	PREDICTED: coatamer subunit gamma isoform X2 [Apis mellifera]	XP_006559437.1	96 kDa	0	0	0.00032559
535	PREDICTED: cytochrome c oxidase subunit 4 isoform 1, mitochondrial [Apis mellifera]	XP_006572317.1	19 kDa	0	0	0.00072759
372	PREDICTED: cytochrome P450 6A1 [Apis mellifera]	XP_006565062.1	58 kDa	0	0	0.00048992
194	PREDICTED: cytochrome P450 9e2 [Apis mellifera]	XP_001119981.3	53 kDa	0	0	0.00069799
449	PREDICTED: cytoplasmic aconitate hydratase-like [Apis mellifera]	XP_392993.2	99 kDa	0	0	0.000091562
355	PREDICTED: cytosolic non-specific dipeptidase [Apis mellifera]	XP_395851.2	54 kDa	0	0.00027755	0
478	PREDICTED: delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial isoform X1 [Apis mellifera]	XP_003249447.1	34 kDa	0	0.00065441	0
291	PREDICTED: delta-1-pyrroline-5-carboxylate synthase isoform X2 [Apis mellifera]	XP_006570897.1	84 kDa	0	0	0.0003685
474	PREDICTED: dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex [Apis mellifera]	XP_003250858.3	51 kDa	0	0	0.00034603
528	PREDICTED: dihydropyrimidine dehydrogenase [NADP(+)] [Apis mellifera]	XP_016769758.1	112 kDa	0	0	0.00011937
429	PREDICTED: dipeptidyl peptidase 3 [Apis mellifera]	XP_395694.2	90 kDa	0	0	0.0002063
588	PREDICTED: division abnormally delayed protein [Apis mellifera]	XP_016767763.1	70 kDa	0	0.00020892	0
237	PREDICTED: DNA-directed RNA polymerase III subunit RPC1 [Apis mellifera]	XP_006569964.1	228 kDa	0	0	0.00010131
519	PREDICTED: DNA-directed RNA polymerase III subunit RPC2 [Apis mellifera]	XP_625037.1	128 kDa	0	0	0.000071861
500	PREDICTED: dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit [Apis mellifera]	XP_016769151.1	48 kDa	0	0	0.0005633
459	PREDICTED: dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 [Apis mellifera]	XP_006571875.1	76 kDa	0	0	0.0001819
351	PREDICTED: dynein heavy chain, cytoplasmic [Apis mellifera]	XP_006570926.2	517 kDa	0	0	0.000027103

413	PREDICTED: elongation factor Tu, mitochondrial-like [Apis mellifera]	XP_391880.2	52 kDa	0	0	0.00026063
438	PREDICTED: esterase FE4-like isoform X1 [Apis mellifera]	XP_392696.4	61 kDa	0	0.00037221	0
603	PREDICTED: eukaryotic translation elongation factor 1 epsilon-1 [Apis mellifera]	XP_003250023.1	20 kDa	0	0	0.00047655
380	PREDICTED: eukaryotic translation initiation factor 3 subunit B [Apis mellifera]	XP_393588.2	82 kDa	0	0	0.00046433
512	PREDICTED: eukaryotic translation initiation factor 5 [Apis mellifera]	XP_006567437.1	51 kDa	0	0	0.00026924
469	PREDICTED: F-actin-capping protein subunit beta isoform X1 [Apis mellifera]	XP_393085.2	31 kDa	0	0	0.0002985
489	PREDICTED: fatty aldehyde dehydrogenase isoform X1 [Apis mellifera]	XP_016769480.1	51 kDa	0	0	0.00027285
618	PREDICTED: flocculation protein FLO11-like [Apis mellifera]	XP_016770096.1	73 kDa	0	0	0.00016429
497	PREDICTED: gephyrin [Apis mellifera]	XP_016766445.1	69 kDa	0	0	0.00013059
184	PREDICTED: glucose dehydrogenase [FAD, quinone] [Apis mellifera]	XP_394210.4	69 kDa	0	0.00085852	0.00045855
538	PREDICTED: glucose dehydrogenase [FAD, quinone] isoform X1 [Apis mellifera]	XP_623443.2	69 kDa	0	0	0.00012813
314	PREDICTED: glutamyl aminopeptidase isoform X2 [Apis mellifera]	XP_016772714.1	107 kDa	0	0.0001437	0.0002193
421	PREDICTED: glycogen debranching enzyme isoform X1 [Apis mellifera]	XP_016771089.1	183 kDa	0	0	0.00012717
554	PREDICTED: GMP synthase [glutamine-hydrolyzing] [Apis mellifera]	XP_393336.2	79 kDa	0	0	0.00022699
563	PREDICTED: guanine deaminase [Apis mellifera]	XP_006564297.1	49 kDa	0	0	0.0001882
433	PREDICTED: heat shock protein 75 kDa, mitochondrial [Apis mellifera]	XP_623366.1	80 kDa	0	0	0.00041157
536	PREDICTED: heterogeneous nuclear ribonucleoprotein 27C isoform X1 [Apis mellifera]	XP_006560478.1	49 kDa	0	0	0.00034899
177	PREDICTED: histone H2B-like [Apis mellifera]	XP_001120014.1	14 kDa	0	0	0.0036439
502	PREDICTED: hydroxyacid oxidase 1 [Apis mellifera]	XP_006562150.1	41 kDa	0	0	0.00022204
432	PREDICTED: hydroxysteroid dehydrogenase-like protein 2 isoform X1 [Apis mellifera]	XP_625095.1	45 kDa	0	0	0.00088791
392	PREDICTED: hypoxia up-regulated protein 1 isoform X1 [Apis mellifera]	XP_624153.3	108 kDa	0	0	0.00025707
398	PREDICTED: icarapin-like isoform X1 [Apis mellifera]	XP_006563266.1	24 kDa	0	0.001524	0
364	PREDICTED: importin subunit beta-1 [Apis mellifera]	XP_006560452.1	101 kDa	0	0	0.00031481
552	PREDICTED: importin-4-like [Apis mellifera]	XP_396270.4	121 kDa	0	0	0.00015091
499	PREDICTED: importin-5 [Apis mellifera]	XP_016767852.1	125 kDa	0	0	0.00025718
521	PREDICTED: importin-7 [Apis mellifera]	XP_006571372.2	121 kDa	0	0	0.00019274
532	PREDICTED: inosine-5'-monophosphate dehydrogenase 1b [Apis mellifera]	XP_623071.1	57 kDa	0	0	0.00023372
515	PREDICTED: integrin alpha-PS2 isoform X1 [Apis mellifera]	XP_001120437.2	185 kDa	0	0	0.000049568
579	PREDICTED: isopentenyl-diphosphate Delta-isomerase 1 isoform X1 [Apis mellifera]	XP_001121223.1	28 kDa	0	0	0.00033261
216	PREDICTED: kinectin [Apis mellifera]	XP_016767719.1	146 kDa	0	0	0.00022423
620	PREDICTED: Krueppel homolog 2 [Apis mellifera]	XP_006569051.1	29 kDa	0	0	0.00032337
417	PREDICTED: lamin Dm0 isoform X3 [Apis mellifera]	XP_006565215.1	68 kDa	0	0	0.00055061
117	PREDICTED: lon protease homolog, mitochondrial isoform X2 [Apis mellifera]	XP_006562528.1	113 kDa	0	0	0.00028665
611	PREDICTED: long-chain fatty acid transport protein 4 isoform X1 [Apis mellifera]	XP_006567329.1	70 kDa	0	0	0.00013018
593	PREDICTED: long-chain fatty acid transport protein 4-like [Apis mellifera]	XP_006563203.1	73 kDa	0	0	0.00012576
509	PREDICTED: long-chain-fatty-acid--CoA ligase 4 isoform X1 [Apis mellifera]	XP_006561670.1	81 kDa	0	0	0.00022794

517	PREDICTED: LOW QUALITY PROTEIN: adipocyte plasma membrane-associated protein [Apis mellifera]	XP_003250432.2	66 kDa	0	0	0.00020718
524	PREDICTED: LOW QUALITY PROTEIN: coatomer subunit beta' [Apis mellifera]	XP_003250340.2	97 kDa	0	0	0.00023579
572	PREDICTED: LOW QUALITY PROTEIN: trifunctional purine biosynthetic protein adenosine-3 [Apis mellifera]	XP_006569265.2	110 kDa	0	0	0.000081004
178	PREDICTED: LOW QUALITY PROTEIN: twitchin [Apis mellifera]	XP_006568818.2	1068 kDa	0	0	0.000021324
582	PREDICTED: LOW QUALITY PROTEIN: uncharacterized protein LOC726722 [Apis mellifera]	XP_016770973.1	69 kDa	0	0	0.00020138
460	PREDICTED: LOW QUALITY PROTEIN: uncharacterized protein PF11_0213-like [Apis mellifera]	REVERSE_XP_003251122	472 kDa	0	0.000032569	0
259	PREDICTED: LOW QUALITY PROTEIN: vinculin [Apis mellifera]	XP_006560008.1	115 kDa	0	0	0.00043304
531	PREDICTED: membrane metallo-endopeptidase-like 1 isoform X2 [Apis mellifera]	XP_006566920.1	87 kDa	0	0	0.00021332
394	PREDICTED: microsomal triglyceride transfer protein large subunit [Apis mellifera]	XP_623644.3	98 kDa	0	0	0.00022788
488	PREDICTED: mitochondrial import receptor subunit TOM40 homolog 1-like [Apis mellifera]	XP_391836.2	35 kDa	0	0	0.00098181
465	PREDICTED: multifunctional protein ADE2 [Apis mellifera]	XP_624351.2	47 kDa	0	0.00031786	0
89	PREDICTED: myosin heavy chain, muscle isoform X16 [Apis mellifera]	XP_006569864.1	225 kDa	0	0	0.0013057
272	PREDICTED: myosin heavy chain, non-muscle isoform X1 [Apis mellifera]	XP_006569827.1	229 kDa	0	0	0.00020547
613	PREDICTED: myosin-2 essential light chain isoform X1 [Apis mellifera]	XP_006557869.1	18 kDa	0	0	0.00052574
550	PREDICTED: NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10 [Apis mellifera]	XP_624801.1	20 kDa	0	0	0.0015279
486	PREDICTED: NADH-cytochrome b5 reductase 2 isoform X1 [Apis mellifera]	XP_396639.1	35 kDa	0	0	0.00026035
407	PREDICTED: NADPH--cytochrome P450 reductase isoform X2 [Apis mellifera]	XP_006569767.2	77 kDa	0	0	0.00030004
617	PREDICTED: NECAP-like protein CG9132 isoform X1 [Apis mellifera]	XP_393037.2	27 kDa	0	0	0.00033535
580	PREDICTED: NHP2-like protein 1 [Apis mellifera]	XP_006562448.1	14 kDa	0	0	0.00064165
290	PREDICTED: non-specific lipid-transfer protein [Apis mellifera]	XP_006569483.1	59 kDa	0	0	0.00090713
448	PREDICTED: nuclear migration protein nudC [Apis mellifera]	XP_391855.2	38 kDa	0	0	0.00048651
604	PREDICTED: nucleobindin-2 isoform X1 [Apis mellifera]	XP_016770111.1	63 kDa	0	0.00025	0
608	PREDICTED: nucleolysin TIAR [Apis mellifera]	XP_395357.3	43 kDa	0	0	0.00020788
125	PREDICTED: paramyosin, long form-like [Apis mellifera]	XP_393281.2	102 kDa	0	0	0.0017229
376	PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP4 isoform X2 [Apis mellifera]	XP_006563315.1	45 kDa	0	0	0.00040342
562	PREDICTED: plectin-like [Apis mellifera]	XP_006560864.1	62 kDa	0	0	0.00014099
357	PREDICTED: prefoldin subunit 5 [Apis mellifera]	XP_395405.1	18 kDa	0	0	0.00077857
461	PREDICTED: presequence protease, mitochondrial [Apis mellifera]	XP_006572237.1	120 kDa	0	0	0.00019722
210	PREDICTED: probable cytochrome P450 6a13 [Apis mellifera]	XP_623595.1	59 kDa	0	0	0.0015452
335	PREDICTED: probable cytochrome P450 6a17 [Apis mellifera]	XP_395671.3	58 kDa	0	0	0.00056929
592	PREDICTED: probable dolichol-phosphate mannosyltransferase [Apis mellifera]	XP_392640.1	29 kDa	0	0	0.0003221
261	PREDICTED: probable hydroxyacid-oxoacid transhydrogenase, mitochondrial [Apis mellifera]	XP_016769768.1	51 kDa	0	0.00028344	0.00077857
193	PREDICTED: probable medium-chain specific acyl-CoA dehydrogenase, mitochondrial [Apis mellifera]	XP_392111.2	47 kDa	0	0	0.0015634
530	PREDICTED: probable prefoldin subunit 2 [Apis mellifera]	XP_006561235.1	18 kDa	0	0	0.0013229
560	PREDICTED: procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 isoform X4 [Apis mellifera]	XP_016769113.1	91 kDa	0	0	0.00010381
511	PREDICTED: proliferating cell nuclear antigen [Apis mellifera]	XP_001122985.1	29 kDa	0	0	0.00062445

605	PREDICTED: prolyl endopeptidase-like isoform X2 [Apis mellifera]	XP_006566860.1	83 kDa	0	0	0.00011178
451	PREDICTED: prosaposin isoform X2 [Apis mellifera]	XP_006562720.1	100 kDa	0	0.00015119	0
475	PREDICTED: protein ERGIC-53 [Apis mellifera]	XP_006565093.1	58 kDa	0	0	0.0005659
619	PREDICTED: protein FAM151B [Apis mellifera]	XP_001121381.1	35 kDa	0	0	0.00025229
174	PREDICTED: protein lethal(2)essential for life-like [Apis mellifera]	XP_001120006.2	24 kDa	0	0	0.0007761
426	PREDICTED: protein lethal(2)essential for life-like [Apis mellifera]	XP_006568238.1	22 kDa	0	0	0.0008533
415	PREDICTED: protein Red-like [Apis mellifera]	XP_016768804.1	99 kDa	0	0	0.000092497
447	PREDICTED: protein Skeletor, isoforms B/C isoform X1 [Apis mellifera]	XP_006563531.1	151 kDa	0	0.000099109	0.000060497
363	PREDICTED: protein takeout-like [Apis mellifera]	XP_006561719.1	27 kDa	0	0.0021796	0
389	PREDICTED: protein transport protein Sec61 subunit alpha [Apis mellifera]	XP_006564672.1	52 kDa	0	0	0.00042799
458	PREDICTED: protein windpipe [Apis mellifera]	XP_006566265.1	70 kDa	0	0.00020859	0
537	PREDICTED: pterin-4-alpha-carbinolamine dehydratase [Apis mellifera]	XP_006563164.1	17 kDa	0	0	0.00085479
358	PREDICTED: pyridoxal kinase [Apis mellifera]	XP_006566118.1	33 kDa	0	0	0.0002753
621	PREDICTED: quinone oxidoreductase-like protein 2-like isoform X1 [Apis mellifera]	XP_016768790.1	43 kDa	0	0	0.00021111
479	PREDICTED: ras-related protein Rab-14 [Apis mellifera]	XP_397056.2	24 kDa	0	0	0.00074762
590	PREDICTED: ras-related protein Rab-8A [Apis mellifera]	XP_006572168.2	24 kDa	0	0	0.0007761
300	PREDICTED: renin receptor isoform X1 [Apis mellifera]	XP_624608.3	44 kDa	0	0.00050696	0
306	PREDICTED: rho GDP-dissociation inhibitor 2 isoform X2 [Apis mellifera]	XP_016769562.1	23 kDa	0	0.00066089	0.0012102
412	PREDICTED: RNA-binding protein 1-like isoform X2 [Apis mellifera]	XP_003249337.1	21 kDa	0	0	0.00092079
503	PREDICTED: RNA-binding protein squid-like [Apis mellifera]	XP_006568824.1	33 kDa	0	0	0.0002753
411	PREDICTED: rRNA 2'-O-methyltransferase fibrillar isoform X1 [Apis mellifera]	XP_624378.1	32 kDa	0	0	0.00039431
490	PREDICTED: senecionine N-oxygenase-like [Apis mellifera]	XP_394164.2	48 kDa	0	0.00047793	0.00019449
541	PREDICTED: sequestosome-1 [Apis mellifera]	XP_392222.3	46 kDa	0	0	0.00060965
559	PREDICTED: sex-regulated protein janus-A-like [Apis mellifera]	XP_003249300.1	17 kDa	0	0.0013174	0
406	PREDICTED: sortilin-related receptor [Apis mellifera]	XP_006567452.1	243 kDa	0	0	0.000056774
145	PREDICTED: spectrin beta chain isoform X2 [Apis mellifera]	XP_006567455.1	276 kDa	0	0	0.00020526
176	PREDICTED: spectrin beta chain, non-erythrocytic 5 isoform X1 [Apis mellifera]	XP_006558861.1	491 kDa	0	0	0.00002887
606	PREDICTED: stomatin-like protein 2, mitochondrial [Apis mellifera]	XP_395784.2	45 kDa	0	0	0.00020683
558	PREDICTED: succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial [Apis mellifera]	XP_392681.2	59 kDa	0	0	0.00015063
285	PREDICTED: talin-1 [Apis mellifera]	XP_016771360.1	289 kDa	0	0	0.00010627
360	PREDICTED: T-complex protein 1 subunit delta [Apis mellifera]	XP_623672.1	57 kDa	0	0.00025	0
468	PREDICTED: T-complex protein 1 subunit gamma [Apis mellifera]	XP_392814.2	61 kDa	0	0.00024273	0.00037041
597	PREDICTED: thioredoxin domain-containing protein [Apis mellifera]	XP_394728.1	34 kDa	0	0	0.0002753
102	PREDICTED: titin isoform X2 [Apis mellifera]	XP_016768451.1	2240 kDa	0	0	0.000016581
404	PREDICTED: transmembrane protein 214-A [Apis mellifera]	XP_006561802.1	78 kDa	0	0	0.00030182
566	PREDICTED: transmembrane protein 53-B [Apis mellifera]	XP_006568882.1	37 kDa	0	0	0.00025788

551	PREDICTED: trehalose transporter 1 isoform X1 [Apis mellifera]	XP_006570639.1	71 kDa	0	0	0.00025426
352	PREDICTED: trifunctional enzyme subunit alpha, mitochondrial [Apis mellifera]	XP_393806.2	84 kDa	0	0	0.00074664
567	PREDICTED: tropomyosin-1 [Apis mellifera]	XP_006560146.1	32 kDa	0	0	0.00028694
520	PREDICTED: tumor suppressor candidate 3 [Apis mellifera]	XP_395605.3	38 kDa	0	0	0.00036707
444	PREDICTED: UDP-glucose:glycoprotein glucosyltransferase isoform X1 [Apis mellifera]	XP_016769782.1	181 kDa	0	0	0.000077956
325	PREDICTED: UDP-glucuronosyltransferase 2A3-like [Apis mellifera]	XP_006564460.1	60 kDa	0	0	0.0006197
255	PREDICTED: uncharacterized protein C05D11.1-like isoform X1 [Apis mellifera]	XP_006563167.1	117 kDa	0	0	0.00023781
477	PREDICTED: uncharacterized protein LOC100577844 isoform X1 [Apis mellifera]	XP_003250675.2	30 kDa	0	0.00051744	0
241	PREDICTED: uncharacterized protein LOC408608 [Apis mellifera]	XP_397512.1	19 kDa	0	0	0.0031516
564	PREDICTED: uncharacterized protein LOC412196 [Apis mellifera]	XP_395658.4	52 kDa	0	0.00028648	0
340	PREDICTED: uncharacterized protein LOC412543 isoform X1 [Apis mellifera]	XP_006567943.1	54 kDa	0	0	0.00066659
431	PREDICTED: uncharacterized protein LOC413264 [Apis mellifera]	XP_016768819.1	104 kDa	0	0	0.00031655
439	PREDICTED: uncharacterized protein LOC413792, partial [Apis mellifera]	XP_016769718.1	45 kDa	0	0.00083438	0
518	PREDICTED: uncharacterized protein LOC552843 [Apis mellifera]	XP_625222.3	94 kDa	0	0	0.00014834
577	PREDICTED: uncharacterized protein LOC726690 [Apis mellifera]	XP_016771192.1	118 kDa	0	0	0.000079425
350	PREDICTED: uncharacterized protein LOC727028 isoform X1 [Apis mellifera]	XP_001122741.1	30 kDa	0	0.00049628	0
548	PREDICTED: uncharacterized protein LOC727037 isoform X1 [Apis mellifera]	XP_016770806.1	59 kDa	0	0	0.00031044
507	PREDICTED: very long-chain specific acyl-CoA dehydrogenase, mitochondrial [Apis mellifera]	XP_006561795.1	71 kDa	0	0	0.00025829
578	PREDICTED: V-type proton ATPase 116 kDa subunit a [Apis mellifera]	XP_016769523.1	97 kDa	0	0	0.00014483
568	PREDICTED: xaa-Pro dipeptidase isoform X2 [Apis mellifera]	XP_016768327.1	52 kDa	0	0.0002697	0
576	PREDICTED: xanthine dehydrogenase/oxidase-like [Apis mellifera]	XP_016768886.1	38 kDa	0	0	0.00048219
549	PREDICTED: zinc carboxypeptidase-like [Apis mellifera]	XP_623922.2	47 kDa	0	0	0.00039946
203	PREDICTED: laminin subunit alpha [Apis mellifera]	XP_006572347.1	394 kDa	0.00002743	0	0.00010376
113	PREDICTED: acetyl-CoA carboxylase isoform X3 [Apis mellifera]	XP_003250600.1	266 kDa	4.1232E-05	0	0.0004506
257	PREDICTED: laminin subunit beta-1 isoform X1 [Apis mellifera]	XP_006571829.1	201 kDa	5.3824E-05	0.00011119	0.00024886
304	PREDICTED: uncharacterized protein LOC411955 isoform X1 [Apis mellifera]	XP_006561178.1	164 kDa	6.8265E-05	0.00014102	0.00011477
138	PREDICTED: spectrin alpha chain isoform X2 [Apis mellifera]	XP_006558458.1	278 kDa	8.0179E-05	0	0.00035387
134	PREDICTED: lysosomal alpha-mannosidase-like [Apis mellifera]	XP_016767101.1	200 kDa	8.3807E-05	0.000076945	0.000093937
245	PREDICTED: laminin subunit gamma-1 [Apis mellifera]	XP_016770520.1	181 kDa	8.9701E-05	0.000082357	0.00027649
126	PREDICTED: uncharacterized protein LOC409619 [Apis mellifera]	XP_016768511.1	311 kDa	9.0257E-05	0.000049721	0.0005463
253	PREDICTED: uncharacterized protein LOC725621 [Apis mellifera]	XP_016771487.1	122 kDa	9.1363E-05	0.00012583	0.00061444
440	PREDICTED: calyculin-1 [Apis mellifera]	XP_397413.3	106 kDa	0.00010193	0	0
271	PREDICTED: EH domain-containing protein 3 [Apis mellifera]	XP_016767580.1	106 kDa	0.00010468	0	0.00022001
248	PREDICTED: putative uncharacterized protein DDB_G0282133 [Apis mellifera]	XP_016772606.1	144 kDa	0.00011467	0.00026321	0
359	PREDICTED: probable aconitate hydratase, mitochondrial isoform X2 [Apis mellifera]	XP_006560252.1	86 kDa	0.00012364	0	0.00015591
472	PREDICTED: protein transport protein Sec23A isoform X2 [Apis mellifera]	XP_006567440.1	86 kDa	0.00012622	0	0.00031832



97	PREDICTED: leucine-rich repeat-containing protein 15-like [Apis mellifera]	XP_001120678.1	76 kDa	0.00014447	0.0010943	0.00012145
239	PREDICTED: nidogen-2 [Apis mellifera]	XP_016767123.1	145 kDa	0.00014698	0.00020243	0.00040158
200	PREDICTED: leukocyte elastase inhibitor-like [Apis mellifera]	XP_003249882.1	73 kDa	0.00015146	0.00052149	0.00063664
424	PREDICTED: uncharacterized protein LOC413757 [Apis mellifera]	XP_397196.4	71 kDa	0.00015585	0	0.00026203
501	PREDICTED: 4-coumarate--CoA ligase 1 isoform X1 [Apis mellifera]	XP_016771255.1	66 kDa	0.00016542	0.00022782	0.00020859
443	PREDICTED: glutamate dehydrogenase, mitochondrial isoform X1 [Apis mellifera]	XP_006565710.1	66 kDa	0.00016542	0	0.00034765
103	PREDICTED: glycogen phosphorylase [Apis mellifera]	XP_006561774.1	97 kDa	0.00017228	0.00039544	0.0013035
53	PREDICTED: uncharacterized protein LOC410793 [Apis mellifera]	XP_006568803.1	500 kDa	0.00017782	0.00052041	0.00025226
390	PREDICTED: T-complex protein 1 subunit epsilon [Apis mellifera]	XP_393315.2	59 kDa	0.00017819	0.00024541	0
323	PREDICTED: stress-induced-phosphoprotein 1 [Apis mellifera]	XP_006567267.1	62 kDa	0.00017985	0	0.00045356
278	PREDICTED: glucosylceramidase-like isoform X1 [Apis mellifera]	XP_016768147.1	59 kDa	0.0001857	0.00025575	0.00039028
341	PREDICTED: glutamic acid-rich protein-like [Apis mellifera]	XP_397478.3	91 kDa	0.0001857	0	0.00036426
339	PREDICTED: dihydrolipoyl dehydrogenase, mitochondrial [Apis mellifera]	XP_623438.1	55 kDa	0.0001912	0.00026331	0.00064292
614	PREDICTED: vanin-like protein 1 [Apis mellifera]	XP_016768768.1	58 kDa	0.00019157	0	0
401	PREDICTED: succinate-semialdehyde dehydrogenase, mitochondrial [Apis mellifera]	XP_395766.4	56 kDa	0.00019272	0	0.00072904
585	PREDICTED: myrosinase 1-like [Apis mellifera]	XP_016768291.1	58 kDa	0.00019426	0	0.00032661
482	PREDICTED: probable methylmalonate-semialdehyde dehydrogenase [acylating], mitoch	XP_006568110.1	53 kDa	0.00019663	0	0.00033059
353	PREDICTED: chitobiosyldiphosphodolichol beta-mannosyltransferase-like [Apis mellifera]	XP_016770702.1	86 kDa	0.00019756	0	0
222	PREDICTED: uncharacterized protein LOC410087 [Apis mellifera]	XP_393575.5	57 kDa	0.00019864	0	0.00058446
456	PREDICTED: tropomyosin alpha-1 chain isoform X9 [Apis mellifera]	XP_006571108.1	55 kDa	0.00020111	0	0.00016907
288	PREDICTED: tubulin-specific chaperone E-like [Apis mellifera]	XP_001120710.2	82 kDa	0.00020451	0	0.00022923
331	PREDICTED: probable citrate synthase 2, mitochondrial [Apis mellifera]	XP_393545.2	52 kDa	0.00020982	0.00028896	0.00052916
354	PREDICTED: rab GDP dissociation inhibitor beta [Apis mellifera]	XP_623197.2	50 kDa	0.00021931	0.00030204	0.00018437
37	PREDICTED: fatty acid synthase-like [Apis mellifera]	XP_395426.4	269 kDa	0.0002227	0.000055765	0.0010552
463	PREDICTED: adenosylhomocysteinase [Apis mellifera]	XP_391917.2	48 kDa	0.00022387	0.00030832	0.0003764
595	yellow-e3 precursor [Apis mellifera]	NP_001091698.1	48 kDa	0.00022862	0.00047229	0
525	PREDICTED: selenide, water dikinase [Apis mellifera]	XP_003250866.2	45 kDa	0.00023471	0	0
270	PREDICTED: vigilin [Apis mellifera]	XP_395577.4	139 kDa	0.00023586	0	0.00039655
368	PREDICTED: protein arginine N-methyltransferase 1 [Apis mellifera]	XP_006564270.1	46 kDa	0.00024479	0	0.00061735
505	PREDICTED: N-acetyl-D-glucosamine kinase isoform X2 [Apis mellifera]	XP_006560163.1	44 kDa	0.00025048	0	0
192	alpha-glucosidase precursor [Apis mellifera]	NP_001035349.1	67 kDa	0.0002507	0	0.0010538
274	PREDICTED: esterase E4-like [Apis mellifera]	XP_393293.2	65 kDa	0.0002542	0.00093357	0
570	PREDICTED: mannose-1-phosphate guanyltransferase beta [Apis mellifera]	XP_392845.4	41 kDa	0.0002627	0	0
441	PREDICTED: UDP-glucose 4-epimerase isoform X1 [Apis mellifera]	XP_006569373.1	42 kDa	0.0002627	0	0.00022084
547	PREDICTED: dnaJ homolog subfamily B member 11 [Apis mellifera]	XP_006569897.2	41 kDa	0.00026485	0	0
303	PREDICTED: FGGY carbohydrate kinase domain-containing protein [Apis mellifera]	XP_394574.2	60 kDa	0.00026582	0.00024406	0.00059591

244	PREDICTED: thioredoxin reductase 1 isoform X1 [Apis mellifera]	XP_006563264.1	59 kDa	0.00027332	0	0.00053612
319	PREDICTED: phosphate carrier protein, mitochondrial [Apis mellifera]	XP_396960.2	39 kDa	0.00027383	0	0.00069059
455	PREDICTED: LOW QUALITY PROTEIN: T-complex protein 1 subunit zeta [Apis mellifera]	XP_016768505.1	58 kDa	0.00027487	0	0
297	carboxylesterase [Apis mellifera]	NP_001136081.1	59 kDa	0.00027591	0.00025332	0
208	PREDICTED: very long-chain-fatty-acid--CoA ligase bubblegum isoform X1 [Apis mellifera]	XP_006571404.1	77 kDa	0.0002822	0	0.0010082
336	PREDICTED: sorting nexin-2 [Apis mellifera]	XP_016767714.1	58 kDa	0.00028455	0.00026125	0.00039868
601	PREDICTED: adenosine kinase 1 isoform X2 [Apis mellifera]	XP_006565687.1	38 kDa	0.00028595	0	0
526	PREDICTED: glyoxylate reductase/hydroxypyruvate reductase-like isoform X1 [Apis mellifera]	XP_393528.3	37 kDa	0.00028679	0	0
612	PREDICTED: probable uridine nucleosidase 2 [Apis mellifera]	XP_016768985.1	37 kDa	0.00029198	0	0
546	PREDICTED: serine--tRNA ligase, cytoplasmic [Apis mellifera]	XP_396462.2	57 kDa	0.00029315	0	0
561	PREDICTED: methylthioribose-1-phosphate isomerase isoform X2 [Apis mellifera]	XP_006560810.1	36 kDa	0.00029644	0	0
84	PREDICTED: alpha,alpha-trehalose-phosphate synthase [UDP-forming] [Apis mellifera]	XP_003249233.2	91 kDa	0.00030067	0.00016563	0.0015166
615	PREDICTED: probable GDP-L-fucose synthase isoform X2 [Apis mellifera]	XP_006566989.1	37 kDa	0.00030105	0	0
596	PREDICTED: ATP-dependent (S)-NAD(P)H-hydrate dehydratase [Apis mellifera]	XP_006568102.1	34 kDa	0.00030871	0	0
453	selenium-binding protein 1-like [Apis mellifera]	NP_001229508.1	53 kDa	0.00031003	0	0.00026063
542	PREDICTED: protein N-terminal asparagine amidohydrolase [Apis mellifera]	XP_016769470.1	34 kDa	0.0003127	0	0
584	PREDICTED: coatomer subunit epsilon [Apis mellifera]	XP_016770426.1	36 kDa	0.00031371	0	0.00026372
370	PREDICTED: 26S proteasome non-ATPase regulatory subunit 12 [Apis mellifera]	XP_393370.4	50 kDa	0.00033122	0	0.00055688
598	PREDICTED: alpha-soluble NSF attachment protein [Apis mellifera]	XP_006566799.1	33 kDa	0.00033197	0	0
258	PREDICTED: uncharacterized protein LOC409465 [Apis mellifera]	XP_016769341.1	96 kDa	0.00033581	0	0
373	PREDICTED: nitrilase homolog 1-like [Apis mellifera]	XP_624150.2	65 kDa	0.000336	0.00046274	0.00028246
543	PREDICTED: clavesin-2 [Apis mellifera]	XP_624823.1	34 kDa	0.00033659	0	0
377	PREDICTED: thioredoxin-like protein 1 [Apis mellifera]	XP_623128.1	32 kDa	0.00033776	0	0.00056788
333	PREDICTED: aspartate aminotransferase, mitochondrial [Apis mellifera]	XP_396131.3	48 kDa	0.00033894	0	0
191	PREDICTED: protein disulfide-isomerase A6 [Apis mellifera]	XP_395981.2	47 kDa	0.00034053	0.00062529	0.0023855
397	PREDICTED: T-complex protein 1 subunit alpha [Apis mellifera]	XP_392660.2	60 kDa	0.00034807	0	0.0001463
556	PREDICTED: glucose-6-phosphate 1-epimerase [Apis mellifera]	XP_003251860.1	32 kDa	0.00034869	0	0.00029313
213	PREDICTED: serine protease 44 isoform X1 [Apis mellifera]	XP_016769182.1	46 kDa	0.00034869	0.0014407	0
186	PREDICTED: tetratricopeptide repeat protein 27-like isoform X2 [Apis mellifera]	XP_006562412.2	111 kDa	0.00035158	0.00020751	0.00025334
571	PREDICTED: transport and Golgi organization 2 homolog [Apis mellifera]	XP_001121829.3	31 kDa	0.00035378	0	0.00029741
594	PREDICTED: uncharacterized protein LOC724536 [Apis mellifera]	XP_001120425.1	48 kDa	0.00035465	0	0
454	PREDICTED: dehydrogenase/reductase SDR family member 4 isoform X1 [Apis mellifera]	XP_016769703.1	30 kDa	0.00035638	0	0.00059919
553	PREDICTED: Y-box factor homolog isoform X2 [Apis mellifera]	XP_006557749.1	29 kDa	0.00035638	0	0
400	PREDICTED: phosphatidylinositol transfer protein alpha isoform [Apis mellifera]	XP_624564.1	32 kDa	0.0003577	0	0
337	PREDICTED: T-complex protein 1 subunit eta [Apis mellifera]	XP_006565530.1	60 kDa	0.0003577	0.00024631	0.00037588
284	PREDICTED: apolipoprotein D-like [Apis mellifera]	XP_623335.1	30 kDa	0.00035902	0	0



409	PREDICTED: tyrosine--tRNA ligase, cytoplasmic isoform X3 [Apis mellifera]	XP_016771658.1	60 kDa	0.00036306	0.00025	0.00053411
445	PREDICTED: sepiapterin reductase [Apis mellifera]	XP_016770924.1	30 kDa	0.00036858	0	0
600	PREDICTED: 15-hydroxyprostaglandin dehydrogenase [NAD(+)]-like isoform X1 [Apis mellifera]	XP_006560177.1	28 kDa	0.00038014	0	0
374	PREDICTED: chymotrypsin-2 [Apis mellifera]	XP_393127.3	28 kDa	0.00038014	0.00052353	0.00063914
190	PREDICTED: uncharacterized protein PFB0145c-like isoform X2 [Apis mellifera]	XP_001121093.2	85 kDa	0.0003893	0.00098293	0.00032727
506	PREDICTED: vesicle-associated membrane protein-associated protein B [Apis mellifera]	XP_393426.1	28 kDa	0.0003893	0	0.00065454
545	PREDICTED: proline synthase co-transcribed bacterial homolog protein [Apis mellifera]	XP_623518.1	28 kDa	0.00039087	0	0
263	PREDICTED: dihydropyrimidinase isoform X2 [Apis mellifera]	XP_006565932.2	68 kDa	0.0003915	0	0.00046077
427	PREDICTED: V-type proton ATPase subunit B [Apis mellifera]	XP_624112.1	55 kDa	0.00039166	0	0.00049388
265	PREDICTED: V-type proton ATPase catalytic subunit A [Apis mellifera]	XP_016769524.1	68 kDa	0.00039341	0	0.00092602
173	PREDICTED: peroxisomal multifunctional enzyme type 2-like [Apis mellifera]	XP_006571052.1	81 kDa	0.00040001	0.00036726	0.0011209
510	PREDICTED: 6-phosphogluconolactonase [Apis mellifera]	XP_624173.1	26 kDa	0.0004073	0	0
152	PREDICTED: C-1-tetrahydrofolate synthase, cytoplasmic isoform X1 [Apis mellifera]	XP_006559841.2	103 kDa	0.00040772	0.00042114	0.00064267
616	PREDICTED: translin [Apis mellifera]	XP_397233.2	27 kDa	0.00041426	0	0
292	PREDICTED: ubiquitin-like modifier-activating enzyme 1 [Apis mellifera]	XP_394434.2	117 kDa	0.00041584	0	0.00027189
395	PREDICTED: mitochondrial amidoxime reducing component 2-like [Apis mellifera]	XP_006568985.1	39 kDa	0.00042392	0	0.00071274
106	PREDICTED: transitional endoplasmic reticulum ATPase TER94 [Apis mellifera]	XP_006563745.1	89 kDa	0.0004241	0.00058406	0.0014261
399	PREDICTED: RNA-binding protein squid isoform X3 [Apis mellifera]	XP_006562624.1	36 kDa	0.00043019	0	0
529	PREDICTED: ras-related protein Rab-18-B [Apis mellifera]	XP_016772903.1	25 kDa	0.00043469	0	0.00036543
234	PREDICTED: electron transfer flavoprotein subunit alpha, mitochondrial [Apis mellifera]	XP_624102.1	35 kDa	0.00043665	0.0004009	0.0013459
569	PREDICTED: NADH-quinone oxidoreductase subunit B 2 isoform X2 [Apis mellifera]	XP_006569494.1	25 kDa	0.00043863	0	0.00036873
513	PREDICTED: vesicle-trafficking protein SEC22b-B [Apis mellifera]	XP_396838.2	25 kDa	0.0004551	0	0.0011477
414	PREDICTED: carboxypeptidase B-like [Apis mellifera]	XP_623727.2	48 kDa	0.00045617	0	0.00028761
127	PREDICTED: ornithine aminotransferase, mitochondrial [Apis mellifera]	XP_394061.2	47 kDa	0.00045617	0.00047118	0.0020133
232	PREDICTED: NADP-dependent malic enzyme isoform X1 [Apis mellifera]	XP_395280.4	71 kDa	0.00045653	0.00041915	0.00044775
534	PREDICTED: isovaleryl-CoA dehydrogenase, mitochondrial [Apis mellifera]	XP_006566117.1	47 kDa	0.00045941	0	0
218	PREDICTED: fumarylacetoacetase [Apis mellifera]	XP_016771431.1	46 kDa	0.00046381	0.00095814	0.00068233
181	PREDICTED: PTS-dependent dihydroxyacetone kinase, dihydroxyacetone-binding subunit D	XP_397138.5	69 kDa	0.00046381	0.00031938	0.00064984
522	PREDICTED: protein SEC13 homolog [Apis mellifera]	XP_393516.3	34 kDa	0.00046754	0	0
301	PREDICTED: glucose-6-phosphate 1-dehydrogenase isoform X2 [Apis mellifera]	XP_006564786.1	60 kDa	0.00046784	0.00038658	0.00023598
242	PREDICTED: ATP synthase subunit O, mitochondrial [Apis mellifera]	XP_392760.2	23 kDa	0.00046829	0	0.00078734
287	PREDICTED: proteasome subunit beta type-2-like [Apis mellifera]	XP_393468.2	24 kDa	0.00046829	0	0.00098418
471	PREDICTED: ribokinase-like [Apis mellifera]	XP_623681.1	34 kDa	0.00047209	0	0
94	catalase [Apis mellifera]	NP_001171540.1	58 kDa	0.0004724	0.00065059	0.0017474
330	PREDICTED: probable pyruvate dehydrogenase E1 component subunit alpha, mitochondrial	XP_006572158.1	45 kDa	0.00048227	0	0.00070949
492	PREDICTED: 5-formyltetrahydrofolate cyclo-ligase [Apis mellifera]	XP_003250452.1	23 kDa	0.00049711	0.00068462	0

236	PREDICTED: LOW QUALITY PROTEIN: 4-hydroxybutyrate coenzyme A transferase-like [Apis mellifera]	XP_016772254.1	53 kDa	0.00050383	0	0.0010165
348	PREDICTED: probable signal peptidase complex subunit 2 [Apis mellifera]	XP_393701.1	21 kDa	0.00050488	0	0.0021221
516	PREDICTED: succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial-like, partial [Apis mellifera]	XP_016767099.1	33 kDa	0.00050488	0	0
128	PREDICTED: beta-ureidopropionase [Apis mellifera]	XP_392773.3	43 kDa	0.0005062	0	0.0006383
387	PREDICTED: S-formylglutathione hydrolase [Apis mellifera]	XP_016768325.1	32 kDa	0.00050841	0	0.0004274
523	PREDICTED: inosine triphosphate pyrophosphatase [Apis mellifera]	XP_006559389.1	21 kDa	0.00051019	0	0.0004289
112	PREDICTED: pyruvate kinase isoform X3 [Apis mellifera]	XP_006566000.1	61 kDa	0.00051745	0.00095018	0.0015225
361	PREDICTED: probable trans-2-enoyl-CoA reductase, mitochondrial [Apis mellifera]	XP_395130.4	41 kDa	0.00052398	0	0
78	PREDICTED: pyruvate carboxylase, mitochondrial isoform X1 [Apis mellifera]	XP_006568106.1	132 kDa	0.00052683	0.00011162	0.0013968
254	PREDICTED: juvenile hormone epoxide hydrolase 1 [Apis mellifera]	XP_394922.3	52 kDa	0.00053145	0.00043915	0.0016977
498	PREDICTED: translocon-associated protein subunit gamma-like [Apis mellifera]	XP_001119895.1	21 kDa	0.00053262	0	0.0011194
381	glycerol-3-phosphate dehydrogenase [Apis mellifera]	NP_001014994.1	40 kDa	0.00053409	0.00036777	0
491	PREDICTED: lachesin isoform X1 [Apis mellifera]	XP_397471.3	41 kDa	0.00053409	0	0
481	PREDICTED: beta-1,3-glucan-binding protein 1 [Apis mellifera]	XP_001121634.2	52 kDa	0.00053854	0.000445	0
118	PREDICTED: glucose dehydrogenase [FAD, quinone] [Apis mellifera]	XP_003251149.1	70 kDa	0.00054284	0.0009612	0.00026077
96	PREDICTED: complement component 1 Q subcomponent-binding protein, mitochondrial [Apis mellifera]	XP_397201.2	30 kDa	0.00054459	0	0.002289
252	PREDICTED: proteasome subunit beta type-4 [Apis mellifera]	XP_394993.2	30 kDa	0.00054459	0	0.00061041
109	PREDICTED: putative aldehyde dehydrogenase family 7 member A1 homolog [Apis mellifera]	XP_394614.1	57 kDa	0.00055182	0.00050664	0.0021648
119	PREDICTED: puromycin-sensitive aminopeptidase isoform X1 [Apis mellifera]	XP_394245.2	99 kDa	0.00055903	0.00038495	0.0014569
379	PREDICTED: Na(+)/H(+) exchange regulatory cofactor NHE-RF1 [Apis mellifera]	XP_006568820.1	29 kDa	0.00055925	0	0.00078356
198	PREDICTED: 14-3-3 protein epsilon [Apis mellifera]	XP_006559884.1	29 kDa	0.00056799	0	0.00047748
494	PREDICTED: proteasome activator complex subunit 3 [Apis mellifera]	XP_393883.3	28 kDa	0.00058395	0	0
326	PREDICTED: circadian clock-controlled protein-like [Apis mellifera]	XP_001122724.2	27 kDa	0.00058631	0.0021532	0.00032859
230	PREDICTED: insulin-like growth factor 2 mRNA-binding protein 1 isoform X5 [Apis mellifera]	XP_006566931.1	62 kDa	0.00058902	0	0.00063664
480	PREDICTED: eukaryotic translation initiation factor 3 subunit I isoform X1 [Apis mellifera]	XP_392780.2	37 kDa	0.0005947	0	0.00049994
365	PREDICTED: annexin B9-like [Apis mellifera]	XP_016767918.1	36 kDa	0.00059837	0	0.00075454
302	PREDICTED: endoplasmic reticulum resident protein 29 [Apis mellifera]	XP_006568873.1	28 kDa	0.00059837	0.0010988	0.00050303
175	PREDICTED: calreticulin [Apis mellifera]	XP_006559569.1	47 kDa	0.00060134	0	0.00050552
366	PREDICTED: pyridoxine-5'-phosphate oxidase-like [Apis mellifera]	XP_392591.2	28 kDa	0.00060334	0	0.00084533
311	PREDICTED: dnaJ homolog subfamily A member 1 [Apis mellifera]	XP_006566003.1	45 kDa	0.00060737	0	0.00081694
495	PREDICTED: ATP synthase subunit b, mitochondrial [Apis mellifera]	XP_006559199.1	28 kDa	0.00061094	0	0.00068479
51	PREDICTED: neutral alpha-glucosidase AB isoform X1 [Apis mellifera]	XP_016772970.1	108 kDa	0.00062339	0.0015024	0.00091709
131	PREDICTED: aminopeptidase N-like isoform X1 [Apis mellifera]	XP_006565544.1	108 kDa	0.00062674	0	0.00092203
343	PREDICTED: gamma-interferon-inducible-lysosomal thiol reductase [Apis mellifera]	XP_624977.1	26 kDa	0.00063496	0.0011659	0.00053378
317	PREDICTED: T-complex protein 1 subunit beta [Apis mellifera]	XP_393300.2	58 kDa	0.00063535	0.0005	0.00053411
420	PREDICTED: protein G12-like [Apis mellifera]	XP_001123230.1	26 kDa	0.00064338	0	0.00090144

493	PREDICTED: histone H1-like [Apis mellifera]	XP_003251627.1	24 kDa	0.00064913	0	0
371	PREDICTED: 60S ribosomal protein L5 [Apis mellifera]	XP_624620.2	34 kDa	0.00065058	0	0.00041018
527	PREDICTED: glutaredoxin 3 [Apis mellifera]	XP_016772335.1	25 kDa	0.00065204	0	0
384	PREDICTED: probable phosphoserine aminotransferase [Apis mellifera]	XP_396126.2	41 kDa	0.00065321	0	0.00054912
164	PREDICTED: putative cysteine proteinase CG12163 isoform X2 [Apis mellifera]	XP_392381.3	100 kDa	0.00066018	0.0009092	0.00018499
410	PREDICTED: spermine synthase isoform X1 [Apis mellifera]	XP_006571646.1	41 kDa	0.00066213	0	0.0004453
425	PREDICTED: eukaryotic translation initiation factor 3 subunit K [Apis mellifera]	XP_003251758.1	25 kDa	0.00067317	0.00061806	0.00094317
356	PREDICTED: uncharacterized protein LOC725273 isoform X1 [Apis mellifera]	XP_001120347.2	48 kDa	0.00067788	0.00031119	0.00037991
344	PREDICTED: UMP-CMP kinase isoform X1 [Apis mellifera]	XP_006562497.2	24 kDa	0.00068587	0	0
262	pyruvate dehydrogenase E1 component subunit beta, mitochondrial [Apis mellifera]	NP_001229442.1	38 kDa	0.00068652	0	0.00057713
388	PREDICTED: glyoxalase domain-containing protein 4 [Apis mellifera]	XP_625100.1	32 kDa	0.00068994	0	0.00029
157	PREDICTED: 40S ribosomal protein S2 [Apis mellifera]	XP_392843.1	30 kDa	0.0006924	0	0.00058207
457	PREDICTED: glutathione S-transferase S4 isoform X1 [Apis mellifera]	XP_006560566.1	24 kDa	0.00069906	0	0.00078356
430	PREDICTED: 60S ribosomal protein L28 [Apis mellifera]	XP_625152.1	16 kDa	0.00070244	0	0.00088576
72	heat shock protein cognate 5 [Apis mellifera]	NP_001153520.1	75 kDa	0.00070551	0.00038865	0.0029061
362	PREDICTED: 60S ribosomal protein L6 [Apis mellifera]	XP_006558672.1	32 kDa	0.00070757	0	0.00074352
299	PREDICTED: transmembrane emp24 domain-containing protein-like [Apis mellifera]	XP_006562000.1	23 kDa	0.00070929	0	0.0017888
382	PREDICTED: putative gamma-glutamylcyclotransferase CG2811 isoform X4 [Apis mellifera]	XP_623476.1	23 kDa	0.00071983	0.00099134	0
182	PREDICTED: isocitrate dehydrogenase [NADP] cytoplasmic [Apis mellifera]	XP_623673.3	54 kDa	0.00072495	0.00071314	0.001393
476	PREDICTED: eukaryotic translation initiation factor 2 subunit 1 [Apis mellifera]	XP_016769200.1	37 kDa	0.00072557	0	0.00036597
158	PREDICTED: fumarylacetoacetate hydrolase domain-containing protein 2A isoform X2 [Apis mellifera]	XP_394112.2	37 kDa	0.00072557	0.0015988	0.0014639
610	PREDICTED: ubiquitin-conjugating enzyme E2-22 kDa isoform X1 [Apis mellifera]	XP_016773166.1	23 kDa	0.00073068	0	0
83	major royal jelly protein 4 precursor [Apis mellifera]	NP_001011610.1	53 kDa	0.0007312	0.0011509	0.0055322
375	fatty acid binding protein [Apis mellifera]	NP_001011630.1	15 kDa	0.00073437	0.0010114	0.0015434
130	PREDICTED: 40S ribosomal protein S4 [Apis mellifera]	XP_623050.1	29 kDa	0.00073997	0.0017834	0.0018662
396	PREDICTED: uncharacterized protein LOC725661 [Apis mellifera]	XP_001121483.2	45 kDa	0.00074567	0	0
470	PREDICTED: protein lethal(2)essential for life-like [Apis mellifera]	XP_001119884.1	23 kDa	0.00074951	0	0
378	PREDICTED: putative cystathionine gamma-lyase 2 isoform X1 [Apis mellifera]	XP_006565218.1	43 kDa	0.00074951	0	0.00073509
391	PREDICTED: ribonuclease UK114 isoform X1 [Apis mellifera]	XP_003251902.2	21 kDa	0.00076529	0	0.00085779
227	PREDICTED: electron transfer flavoprotein subunit beta [Apis mellifera]	XP_393789.2	28 kDa	0.0007663	0	0.0003221
273	PREDICTED: proteasome subunit alpha type-7-1 [Apis mellifera]	XP_006570292.1	28 kDa	0.00077861	0.0010723	0.00081817
589	PREDICTED: myotrophin-like [Apis mellifera]	XP_623750.2	14 kDa	0.00078175	0	0
403	PREDICTED: transcription factor BTF3 homolog 4 [Apis mellifera]	XP_001122345.3	20 kDa	0.00078175	0	0.00065718
187	PREDICTED: cytosol aminopeptidase-like [Apis mellifera]	XP_016772258.1	53 kDa	0.00078491	0.00027024	0.0019795
464	PREDICTED: uncharacterized protein LOC100578731 [Apis mellifera]	XP_003250799.1	28 kDa	0.0007881	0	0.00099378
294	PREDICTED: glycerol-3-phosphate phosphatase-like [Apis mellifera]	XP_393558.1	34 kDa	0.00078939	0	0.00079632

309	thioredoxin peroxidase 3 isoform 1 [Apis mellifera]	NP_001171495.1	27 kDa	0.00080113	0	0.0013469
188	PREDICTED: eukaryotic initiation factor 4A-I [Apis mellifera]	XP_623285.1	48 kDa	0.00080208	0.00047341	0.0015412
293	PREDICTED: methylglutaconyl-CoA hydratase, mitochondrial [Apis mellifera]	XP_393002.3	32 kDa	0.0008078	0.000445	0.00027163
212	PREDICTED: uncharacterized protein LOC727344 [Apis mellifera]	XP_001123053.2	49 kDa	0.0008078	0	0.00087311
110	PREDICTED: heat shock protein 83 [Apis mellifera]	XP_006571335.1	83 kDa	0.00081005	0.00065077	0.00096472
73	PREDICTED: staphylococcal nuclease domain-containing protein 1 [Apis mellifera]	XP_624638.3	101 kDa	0.00081505	0	0.0017815
484	PREDICTED: tubulin-specific chaperone A-like isoform X2 [Apis mellifera]	XP_006561337.1	14 kDa	0.0008215	0	0.0010359
250	PREDICTED: proteasome subunit alpha type-2 [Apis mellifera]	XP_393294.1	26 kDa	0.00082852	0.001141	0.00087062
428	PREDICTED: ATP synthase subunit d, mitochondrial [Apis mellifera]	XP_006565801.1	20 kDa	0.00083566	0	0.00093667
298	PREDICTED: protein CREG1 [Apis mellifera]	XP_624302.1	34 kDa	0.00083566	0	0.0015455
320	PREDICTED: nucleoplasmin-like protein isoform X2 [Apis mellifera]	XP_006570877.1	19 kDa	0.00085032	0	0
166	PREDICTED: UTP--glucose-1-phosphate uridylyltransferase isoform X1 [Apis mellifera]	XP_006568565.1	58 kDa	0.00085032	0.00091082	0.0006354
217	PREDICTED: inositol monophosphatase 2 [Apis mellifera]	XP_001122213.4	32 kDa	0.00085331	0	0.00057387
322	PREDICTED: V-type proton ATPase subunit E [Apis mellifera]	XP_625098.1	26 kDa	0.00085785	0	0.00054086
329	PREDICTED: arginase-1 isoform X1 [Apis mellifera]	XP_624935.2	38 kDa	0.00086038	0.00059246	0.00096438
565	PREDICTED: actin-related protein 2/3 complex subunit 4 [Apis mellifera]	XP_001122049.2	20 kDa	0.0008655	0	0
283	PREDICTED: proteasome subunit alpha type-1-like [Apis mellifera]	XP_016771943.1	31 kDa	0.00087805	0.0004837	0.00073813
402	PREDICTED: 60S ribosomal protein L12 [Apis mellifera]	XP_006572254.1	18 kDa	0.00088124	0	0.00049388
147	PREDICTED: heat shock 70 kDa protein 4 isoform X1 [Apis mellifera]	XP_623199.2	98 kDa	0.00089445	0.00023097	0.0011749
211	PREDICTED: annexin B9-like isoform X2 [Apis mellifera]	XP_006569793.1	36 kDa	0.00090034	0.00041331	0.0013876
385	PREDICTED: prostaglandin E synthase 3 [Apis mellifera]	XP_624846.2	24 kDa	0.00090173	0	0.00037902
150	PREDICTED: guanine nucleotide-binding protein subunit beta-like protein [Apis mellifera]	XP_392962.1	36 kDa	0.00091738	0	0.0016709
345	PREDICTED: ras-related protein Rab6 isoform X1 [Apis mellifera]	XP_006561897.1	24 kDa	0.00091883	0.0006327	0.0013517
332	PREDICTED: transmembrane emp24 domain-containing protein bai [Apis mellifera]	XP_392556.3	25 kDa	0.00091883	0	0.00096552
419	PREDICTED: upstream activation factor subunit spp27 [Apis mellifera]	XP_392065.2	29 kDa	0.00092851	0	0
224	PREDICTED: probable aspartate aminotransferase, cytoplasmic [Apis mellifera]	XP_016772242.1	47 kDa	0.00093658	0	0.00098418
286	PREDICTED: uncharacterized protein LOC726658 [Apis mellifera]	XP_001122379.2	29 kDa	0.00094296	0.0010389	0.0023781
316	PREDICTED: proteasome subunit alpha type-3 [Apis mellifera]	XP_392518.1	28 kDa	0.0009541	0.00052559	0.00048124
171	PREDICTED: LOW QUALITY PROTEIN: transmembrane protease serine 11G-like [Apis mellifera]	XP_016771980.1	59 kDa	0.0009589	0.00072033	0.00065954
508	PREDICTED: farnesol dehydrogenase-like [Apis mellifera]	XP_001120613.2	28 kDa	0.00096167	0	0
124	PREDICTED: uncharacterized protein LOC413627 [Apis mellifera]	XP_016768806.1	72 kDa	0.00096344	0.00061239	0.00062301
81	PREDICTED: probable serine/threonine-protein kinase clkA [Apis mellifera]	XP_001121241.2	46 kDa	0.00096937	0.0011681	0.00040745
167	PREDICTED: T-complex protein 1 subunit theta [Apis mellifera]	XP_623832.1	59 kDa	0.00098006	0.00061351	0.00044939
247	PREDICTED: uncharacterized protein LOC726980 [Apis mellifera]	XP_016767385.1	16 kDa	0.0010028	0	0.001124
209	PREDICTED: sorbitol dehydrogenase-like [Apis mellifera]	XP_393651.2	37 kDa	0.0010038	0.00059246	0.00096438
310	PREDICTED: GTP-binding protein SAR1 [Apis mellifera]	XP_006563700.1	22 kDa	0.0010045	0	0.0021111

607	PREDICTED: ribonuclease kappa-B [Apis mellifera]	XP_001120479.1	11 kDa	0.0010098	0	0
544	PREDICTED: ubiquitin-conjugating enzyme E2 variant 2 [Apis mellifera]	XP_393411.1	16 kDa	0.0010098	0	0.0005659
228	PREDICTED: probable elongation factor 1-delta isoform X1 [Apis mellifera]	XP_016769405.1	48 kDa	0.001024	0.00078345	0.00076517
196	PREDICTED: proteasome subunit beta type-6 [Apis mellifera]	XP_016771053.1	25 kDa	0.0010446	0.0011509	0.0019319
183	PREDICTED: phosphoglycerate kinase [Apis mellifera]	XP_395047.5	45 kDa	0.0010511	0.00080422	0.0004909
95	PREDICTED: ovalbumin-related protein X [Apis mellifera]	XP_006562425.1	51 kDa	0.0010747	0.0029601	0.00072275
46	PREDICTED: cytosolic 10-formyltetrahydrofolate dehydrogenase [Apis mellifera]	XP_006563851.1	100 kDa	0.0010771	0.00096417	0.0015845
277	PREDICTED: glutamine synthetase isoform X1 [Apis mellifera]	XP_016767976.1	45 kDa	0.0010771	0.00032963	0.00050303
586	PREDICTED: mitochondrial import inner membrane translocase subunit Tim13-like [Apis mellifera]	XP_001121522.1	10 kDa	0.0010771	0	0.00090545
85	PREDICTED: protein disulfide-isomerase A3 [Apis mellifera]	XP_623282.1	56 kDa	0.0010881	0.00081735	0.0029104
281	PREDICTED: odorant binding protein 16 isoform X1 [Apis mellifera]	XP_006558360.2	21 kDa	0.0010953	0.0018856	0.0004604
238	PREDICTED: putative hydroxypyruvate isomerase [Apis mellifera]	XP_006561439.2	30 kDa	0.0010974	0	0.00092253
204	PREDICTED: protein G12-like [Apis mellifera]	XP_016773442.1	26 kDa	0.0011066	0	0.0014884
141	PREDICTED: 60S ribosomal protein L7 [Apis mellifera]	XP_016767446.1	31 kDa	0.0011142	0.001023	0.0021856
599	PREDICTED: mitochondrial import inner membrane translocase subunit Tim8 [Apis mellifera]	XP_001122230.1	10 kDa	0.0011272	0	0.00094756
282	PREDICTED: ras-related protein Rab-2 [Apis mellifera]	XP_392651.2	24 kDa	0.0011324	0.00062383	0.0022848
347	PREDICTED: ras-related protein Rab-5C [Apis mellifera]	XP_016768366.1	23 kDa	0.0011324	0.00062383	0.0015232
79	PREDICTED: elongation factor 1-gamma [Apis mellifera]	XP_016770294.1	49 kDa	0.0011404	0.0010994	0.0028761
349	PREDICTED: 40S ribosomal protein S6 [Apis mellifera]	XP_001120419.1	29 kDa	0.0011586	0	0.00097399
185	PREDICTED: circadian clock-controlled protein [Apis mellifera]	XP_001122696.1	28 kDa	0.0011679	0.0024127	0.00032727
346	PREDICTED: inorganic pyrophosphatase [Apis mellifera]	XP_003249382.1	38 kDa	0.0011679	0	0
264	PREDICTED: 40S ribosomal protein S20 [Apis mellifera]	XP_001120524.1	14 kDa	0.0012017	0.0011033	0.0010102
107	PREDICTED: phosphoglucomutase isoform X1 [Apis mellifera]	XP_395366.2	62 kDa	0.0012052	0.0011856	0.0010856
144	PREDICTED: pentatricopeptide repeat-containing protein 2, mitochondrial-like [Apis mellifera]	XP_006560291.1	38 kDa	0.0012079	0	0.0031733
220	PREDICTED: eukaryotic translation initiation factor 5A [Apis mellifera]	XP_016772988.1	18 kDa	0.0012117	0	0
225	PREDICTED: ester hydrolase C11orf54 homolog [Apis mellifera]	XP_394859.1	35 kDa	0.0012155	0	0.00063864
240	PREDICTED: 60S ribosomal protein L11 [Apis mellifera]	XP_006557708.2	23 kDa	0.0012178	0.0010063	0
149	PREDICTED: antitrypsin-like [Apis mellifera]	XP_016772722.1	45 kDa	0.0012239	0.0018542	0.00041157
249	PREDICTED: dihydropteridine reductase [Apis mellifera]	XP_392684.2	26 kDa	0.001227	0.0016899	0.00051576
367	PREDICTED: proteasome subunit alpha type-6-like [Apis mellifera]	XP_016770720.1	17 kDa	0.001227	0.0016899	0.0018052
328	PREDICTED: myophilin [Apis mellifera]	XP_392114.1	21 kDa	0.001289	0	0
334	PREDICTED: microsomal glutathione S-transferase 1 [Apis mellifera]	XP_394313.1	17 kDa	0.0013012	0	0.0027346
496	60S acidic ribosomal protein P1 [Apis mellifera]	NP_001172073.1	12 kDa	0.00131	0	0.0011012
123	PREDICTED: trans-1,2-dihydrobenzene-1,2-diol dehydrogenase-like [Apis mellifera]	XP_006563740.1	37 kDa	0.0013179	0.0016133	0.00061548
393	PREDICTED: ADP-ribosylation factor 2 [Apis mellifera]	XP_006564418.1	20 kDa	0.0013463	0	0.00067908
305	PREDICTED: GTP-binding nuclear protein Ran [Apis mellifera]	XP_006570503.1	25 kDa	0.0013526	0	0

214	PREDICTED: proteasome subunit beta type-5-like [Apis mellifera]	XP_394680.3	32 kDa	0.001375	0.00047341	0.0017338
446	PREDICTED: 60S ribosomal protein L23 [Apis mellifera]	XP_392812.2	15 kDa	0.0013848	0.0014304	0.0020373
418	PREDICTED: 60S ribosomal protein L22 [Apis mellifera]	XP_625009.2	16 kDa	0.0013948	0	0
86	major royal jelly protein 7 precursor [Apis mellifera]	NP_001014429.1	51 kDa	0.0014223	0.0016575	0.003771
221	PREDICTED: 60S ribosomal protein L13a [Apis mellifera]	XP_623813.1	23 kDa	0.0014255	0	0.0011984
172	PREDICTED: protein I(2)37Cc [Apis mellifera]	XP_006559390.1	30 kDa	0.0014308	0.0017242	0.0027063
295	glutathione peroxidase-like 1 [Apis mellifera]	NP_001171492.1	19 kDa	0.0014425	0	0.00097012
160	PREDICTED: retinoid-inducible serine carboxypeptidase-like isoform X1 [Apis mellifera]	XP_392686.1	49 kDa	0.0014485	0.0003069	0.0015923
62	PREDICTED: glucose dehydrogenase [FAD, quinone] [Apis mellifera]	XP_392145.2	70 kDa	0.0014829	0.0025797	0.0013779
308	PREDICTED: 40S ribosomal protein S15Aa [Apis mellifera]	XP_003251150.1	15 kDa	0.0014913	0	0.002194
49	PREDICTED: ubiquitin-60S ribosomal protein L40 [Apis mellifera]	XP_001120521.1	15 kDa	0.0015146	0	0.0057298
266	PREDICTED: chymotrypsin-1 [Apis mellifera]	XP_624680.3	28 kDa	0.0015206	0.0007853	0.00063914
280	peptidoglycan-recognition protein SA precursor [Apis mellifera]	NP_001157187.1	21 kDa	0.0015387	0	0.00064675
275	profilin [Apis mellifera]	NP_001011626.2	14 kDa	0.0015387	0.0021191	0.0019402
33	PREDICTED: ATP-citrate synthase [Apis mellifera]	XP_006563129.1	120 kDa	0.0015621	0.00079904	0.0014632
199	glutathione S-transferase D1 [Apis mellifera]	NP_001171499.1	25 kDa	0.0015635	0.0018456	0.0022532
256	PREDICTED: ras-related protein Rab-11A [Apis mellifera]	XP_006559507.1	24 kDa	0.001578	0.0015523	0.00094756
408	40S ribosomal protein S14 [Apis mellifera]	NP_001229398.1	16 kDa	0.0016049	0.00088411	0.0010793
289	PREDICTED: nascent polypeptide-associated complex subunit alpha isoform X1 [Apis mellifera]	XP_016772832.1	26 kDa	0.0016089	0.00083092	0.0010144
50	juvenile hormone esterase precursor [Apis mellifera]	NP_001011563.1	64 kDa	0.0016242	0.00058863	0.0037368
312	PREDICTED: 60S ribosomal protein L26 [Apis mellifera]	XP_006563657.1	17 kDa	0.0016374	0	0.0016518
142	PREDICTED: prohibitin-2 [Apis mellifera]	XP_624330.3	39 kDa	0.0016476	0.00037819	0.0028856
143	PREDICTED: glucose-6-phosphate isomerase [Apis mellifera]	XP_623552.1	63 kDa	0.0016533	0.0014381	0.0015362
179	PREDICTED: spermidine synthase [Apis mellifera]	XP_001120306.1	33 kDa	0.0016542	0.0027338	0.0019469
180	PREDICTED: 60S ribosomal protein L15 [Apis mellifera]	XP_396588.2	24 kDa	0.0016631	0.0013088	0.002197
437	PREDICTED: uncharacterized protein LOC100577527 [Apis mellifera]	XP_003250139.1	16 kDa	0.0016713	0.0018414	0.000843
155	PREDICTED: 40S ribosomal protein S9 [Apis mellifera]	XP_016771850.1	23 kDa	0.0017579	0.0020751	0.0021111
34	PREDICTED: endoplasmin [Apis mellifera]	XP_395614.3	92 kDa	0.0017614	0.0011711	0.004289
65	transferrin 1 precursor [Apis mellifera]	NP_001011572.1	79 kDa	0.0017699	0.0021563	0.0013162
251	PREDICTED: 60S ribosomal protein L13 [Apis mellifera]	XP_624896.1	25 kDa	0.0017705	0.00060959	0
268	superoxide dismutase 2, mitochondrial [Apis mellifera]	NP_001171519.1	25 kDa	0.0017787	0.0012248	0.001869
197	PREDICTED: elongation factor 1-beta' [Apis mellifera]	XP_625027.1	25 kDa	0.0017868	0.0012304	0.0016899
483	cytochrome c [Apis mellifera]	NP_001170961.1	12 kDa	0.0017951	0	0.0022636
146	PREDICTED: putative protein FAM10A4 [Apis mellifera]	XP_016768230.1	42 kDa	0.0017951	0.0012361	0.0014013
162	PREDICTED: proteasome subunit alpha type-5 [Apis mellifera]	XP_016767900.1	27 kDa	0.0018025	0.0022066	0.0021888
324	PREDICTED: 40S ribosomal protein S10-like [Apis mellifera]	XP_393059.1	18 kDa	0.001829	0	0.00051252



36	heat shock protein cognate 3 precursor [Apis mellifera]	NP_001153524.1	73 kDa	0.0018415	0.0010144	0.0060065
165	PREDICTED: proteasome subunit beta type-1 [Apis mellifera]	XP_395163.2	26 kDa	0.0018484	0.00084852	0.003453
279	PREDICTED: 40S ribosomal protein S19 [Apis mellifera]	XP_006572525.1	17 kDa	0.0018884	0.0017338	0.0010583
44	PREDICTED: translation elongation factor 2 isoform X1 [Apis mellifera]	XP_016767773.1	95 kDa	0.0018951	0.0011072	0.0017862
202	PREDICTED: glucosamine-6-phosphate isomerase [Apis mellifera]	XP_006563285.1	32 kDa	0.0019109	0.0021532	0.0014604
206	PREDICTED: alpha-crystallin B chain isoform X1 [Apis mellifera]	XP_392405.3	26 kDa	0.0019216	0.0023524	0.00089747
269	PREDICTED: 60S ribosomal protein L19 [Apis mellifera]	XP_006559251.1	24 kDa	0.0019387	0	0.0008149
148	PREDICTED: insulin-like growth factor-binding protein complex acid labile subunit [Apis mellifera]	XP_016772428.1	39 kDa	0.0019611	0.0028938	0.00070656
369	PREDICTED: 60S ribosomal protein L31 [Apis mellifera]	XP_397314.1	14 kDa	0.0019703	0	0.00066252
12	PREDICTED: fatty acid synthase [Apis mellifera]	XP_006567467.1	264 kDa	0.0019891	0.0015653	0.0035149
57	PREDICTED: uncharacterized protein LOC724838 [Apis mellifera]	XP_016769706.1	88 kDa	0.0019918	0.0014131	0.0024863
104	PREDICTED: ATP synthase subunit alpha, mitochondrial [Apis mellifera]	XP_392639.1	60 kDa	0.002038	0.00097624	0.0018622
159	PREDICTED: phosphotriesterase-related protein isoform X1 [Apis mellifera]	XP_395159.2	40 kDa	0.0020713	0.00076069	0.001393
43	PREDICTED: LOW QUALITY PROTEIN: probable tRNA (guanine(26)-N(2))-dimethyltransferase [Apis mellifera]	XP_006561085.2	95 kDa	0.0020922	0.0028813	0.0020519
383	PREDICTED: 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase isoform X1 [Apis mellifera]	XP_624227.2	22 kDa	0.0020959	0	0.0013215
219	PREDICTED: 60S ribosomal protein L17 [Apis mellifera]	XP_396914.2	21 kDa	0.0020959	0	0.0026429
76	ADP/ATP translocase [Apis mellifera]	NP_001010975.1	33 kDa	0.0021003	0.001335	0.0048894
23	PREDICTED: transketolase-like protein 2 isoform X2 [Apis mellifera]	XP_623196.3	67 kDa	0.0021039	0.0024683	0.0018342
205	PREDICTED: muscle-specific protein 20 [Apis mellifera]	XP_006568093.1	20 kDa	0.0021073	0.0014511	0.001993
38	PREDICTED: tubulin alpha-1 chain [Apis mellifera]	XP_006567025.1	50 kDa	0.0021541	0.002225	0.0028974
201	PREDICTED: estradiol 17-beta-dehydrogenase 8 [Apis mellifera]	XP_006558481.1	26 kDa	0.0021673	0.0010854	0.0033126
267	PREDICTED: programmed cell death protein 6 isoform X2 [Apis mellifera]	XP_392209.1	21 kDa	0.0021907	0.0018856	0.002302
122	PREDICTED: voltage-dependent anion-selective channel [Apis mellifera]	XP_623725.1	30 kDa	0.0022265	0.0021228	0.005903
135	PREDICTED: 60S acidic ribosomal protein P0 [Apis mellifera]	XP_623106.1	34 kDa	0.0022935	0.00063171	0.0015424
114	PREDICTED: probable enoyl-CoA hydratase, mitochondrial [Apis mellifera]	XP_001123353.2	33 kDa	0.0023002	0.0018102	0.0020718
169	PREDICTED: 60S ribosomal protein L18 [Apis mellifera]	XP_006561192.1	22 kDa	0.0023203	0.0014202	0.0032509
195	PREDICTED: ras-related protein Rab-7a [Apis mellifera]	XP_001120025.1	23 kDa	0.0023415	0	0.0027557
39	PREDICTED: protein disulfide-isomerase [Apis mellifera]	XP_016770060.1	56 kDa	0.00235	0.0028318	0.0064204
207	PREDICTED: 60S ribosomal protein L7a [Apis mellifera]	XP_393034.1	30 kDa	0.0023511	0.0014944	0.0012163
92	PREDICTED: N-acetylneuraminatase lyase-like [Apis mellifera]	XP_001120250.1	34 kDa	0.0023528	0.0043204	0.0031647
215	PREDICTED: chymotrypsin-1 [Apis mellifera]	XP_394370.1	28 kDa	0.0023958	0	0.0010845
63	PREDICTED: transaldolase [Apis mellifera]	XP_006563276.1	41 kDa	0.00241	0.0011064	0.003039
91	PREDICTED: 1,5-anhydro-D-fructose reductase-like [Apis mellifera]	XP_394676.2	37 kDa	0.0024159	0.0018715	0.0020309
80	PREDICTED: 3-hydroxyacyl-CoA dehydrogenase type-2-like [Apis mellifera]	XP_001120471.1	27 kDa	0.0024807	0.002628	0.0033687
77	silk fibroin 4 precursor [Apis mellifera]	NP_001129681.1	34 kDa	0.002551	0	0.00691
318	odorant binding protein 13 precursor [Apis mellifera]	NP_001035314.1	15 kDa	0.0025703	0.0035398	0.0015434

154	PREDICTED: L-xylulose reductase [Apis mellifera]	XP_397008.1	26 kDa	0.0025823	0.0030092	0.0025048
55	PREDICTED: ATP synthase subunit beta, mitochondrial [Apis mellifera]	XP_006564892.1	55 kDa	0.0026301	0.0010349	0.0036323
132	PREDICTED: protein D2-like isoform X3 [Apis mellifera]	XP_003250287.1	21 kDa	0.0026631	0.0025673	0.0024626
153	PREDICTED: 40S ribosomal protein S18 [Apis mellifera]	XP_625104.2	21 kDa	0.0026778	0	0.0029264
140	PREDICTED: 40S ribosomal protein S3a [Apis mellifera]	XP_006565264.1	30 kDa	0.0027229	0.00075	0.0021364
58	PREDICTED: uncharacterized oxidoreductase YrbE-like [Apis mellifera]	XP_624408.2	43 kDa	0.0027841	0.00122	0.0020213
163	PREDICTED: aldose reductase-like [Apis mellifera]	XP_016772139.1	35 kDa	0.0028052	0.0015024	0.0011791
168	PREDICTED: protein deglycase DJ-1-like [Apis mellifera]	XP_006563123.1	24 kDa	0.0028382	0.0012027	0.0016518
47	PREDICTED: arginine kinase isoform X1 [Apis mellifera]	XP_006559243.1	44 kDa	0.0028805	0.00086241	0.0043167
67	PREDICTED: lysosomal aspartic protease [Apis mellifera]	XP_392857.2	42 kDa	0.0028955	0.0026007	0.0029633
69	PREDICTED: malate dehydrogenase, cytoplasmic [Apis mellifera]	XP_394487.2	36 kDa	0.002911	0.0042095	0.0028142
74	PREDICTED: transmembrane protease serine 11B-like protein [Apis mellifera]	XP_016771183.1	60 kDa	0.0029375	0.00095187	0.0024694
276	PREDICTED: glutaredoxin-C4 isoform X2 [Apis mellifera]	XP_001123018.1	11 kDa	0.0029674	0.0020434	0.0012473
116	chemosensory protein 3 precursor [Apis mellifera]	NP_001011583.1	15 kDa	0.0029827	0.0071885	0.0015671
108	PREDICTED: prostaglandin reductase 1-like [Apis mellifera]	XP_394852.2	38 kDa	0.0030203	0.0025749	0.0027808
64	silk fibroin 1 precursor [Apis mellifera]	NP_001129678.1	33 kDa	0.0030566	0	0.0086874
156	PREDICTED: 60S ribosomal protein L9 [Apis mellifera]	XP_016773302.1	22 kDa	0.0030612	0.0021079	0.0021445
28	heat shock protein 90 [Apis mellifera]	NP_001153536.1	83 kDa	0.0030795	0.0024893	0.0045585
121	PREDICTED: farnesol dehydrogenase-like [Apis mellifera]	XP_395915.4	29 kDa	0.0030976	0.0022585	0.002604
100	PREDICTED: FK506-binding protein 2 isoform X2 [Apis mellifera]	XP_006560563.2	26 kDa	0.0031337	0.002014	0.0035125
93	PREDICTED: probable phospholipid hydroperoxide glutathione peroxidase [Apis mellifera]	XP_003250526.1	23 kDa	0.0031348	0.0043172	0.0018244
120	PREDICTED: 40S ribosomal protein S3 [Apis mellifera]	XP_623731.1	27 kDa	0.0032045	0.0024824	0.0025255
98	apolipoprotein III-like protein precursor [Apis mellifera]	NP_001107670.1	21 kDa	0.0032647	0.0034586	0.00042223
307	PREDICTED: histone H4 [Apis mellifera]	XP_003251221.1	11 kDa	0.003294	0.0019442	0.0051426
90	PREDICTED: 6-phosphogluconate dehydrogenase, decarboxylating [Apis mellifera]	XP_006566986.1	53 kDa	0.0033184	0.0027697	0.0032968
105	PREDICTED: phosphoglycerate mutase 2 [Apis mellifera]	XP_625114.2	29 kDa	0.0034348	0.0036791	0.0028874
189	PREDICTED: ADP-ribosylation factor 1 [Apis mellifera]	XP_003251503.1	21 kDa	0.003462	0.001467	0.0013432
161	PREDICTED: 40S ribosomal protein S8 isoform X1 [Apis mellifera]	XP_006561561.1	24 kDa	0.0034953	0.003851	0.0037219
48	PREDICTED: aldose reductase-like [Apis mellifera]	XP_624353.1	36 kDa	0.0035056	0.0054576	0.0033314
99	PREDICTED: ras-related protein Rab-1A [Apis mellifera]	XP_006564273.1	23 kDa	0.0035292	0.0025922	0.0049448
71	contamination	TRYP_PIG	24 kDa	0.0035669	0	0
25	heat shock protein cognate 4 [Apis mellifera]	NP_001153522.1	71 kDa	0.0035792	0.0018485	0.0060804
87	silk fibroin 3 precursor [Apis mellifera]	NP_001129680.1	34 kDa	0.0037617	0.00099627	0.0077841
32	elongation factor 1-alpha [Apis mellifera]	NP_001014993.1	50 kDa	0.0037849	0.0031855	0.0027399
56	PREDICTED: peptidyl-prolyl cis-trans isomerase-like [Apis mellifera]	XP_393381.2	23 kDa	0.0039424	0.002555	0.0025344
233	PREDICTED: 10 kDa heat shock protein, mitochondrial [Apis mellifera]	XP_624910.1	11 kDa	0.0041944	0.0025673	0.0019589

45	take-out-like carrier protein precursor [Apis mellifera]	NP_001011640.1	29 kDa	0.0042146	0.015302	0.0017715
27	PREDICTED: retinal dehydrogenase 1 [Apis mellifera]	XP_392104.4	53 kDa	0.0043612	0.0039586	0.0039162
21	PREDICTED: 3-ketoacyl-CoA thiolase, mitochondrial [Apis mellifera]	XP_391843.1	43 kDa	0.0043731	0.0048515	0.010008
22	actin related protein 1 [Apis mellifera]	NP_001172075.1	42 kDa	0.0045117	0.0037281	0.004768
66	triosephosphate isomerase [Apis mellifera]	NP_001090623.1	27 kDa	0.0045132	0.0048644	0.0047838
54	PREDICTED: malate dehydrogenase, mitochondrial [Apis mellifera]	XP_392478.2	36 kDa	0.0045887	0.0059246	0.0051835
17	PREDICTED: 60 kDa heat shock protein, mitochondrial-like [Apis mellifera]	XP_392899.2	60 kDa	0.0046768	0.0031619	0.0097931
60	PREDICTED: 14-3-3 protein zeta isoform X1 [Apis mellifera]	XP_006566156.1	28 kDa	0.0047095	0.0040537	0.0047838
40	PREDICTED: aldehyde dehydrogenase, mitochondrial [Apis mellifera]	XP_623084.1	56 kDa	0.0047518	0.0019632	0.0060718
111	PREDICTED: calexcitin-2 [Apis mellifera]	XP_003249222.1	21 kDa	0.0047674	0.001459	0.004453
88	PREDICTED: deoxyribose-phosphate aldolase [Apis mellifera]	XP_624372.2	33 kDa	0.0047972	0.0041007	0.0036156
115	PREDICTED: protein D2-like [Apis mellifera]	XP_001122227.1	23 kDa	0.0047988	0.0076003	0.0022188
70	PREDICTED: nucleoside diphosphate kinase [Apis mellifera]	XP_393351.3	20 kDa	0.0048185	0.0027325	0.0040507
75	silk fibroin 2 precursor [Apis mellifera]	NP_001129679.1	31 kDa	0.0048625	0	0.010417
52	PREDICTED: enolase [Apis mellifera]	XP_016771425.1	44 kDa	0.0049067	0.0024722	0.0045272
133	PREDICTED: cofilin/actin-depolymerizing factor homolog [Apis mellifera]	XP_006569061.1	17 kDa	0.0052398	0.0045101	0.002753
59	PREDICTED: ferritin heavy polypeptide-like 17 [Apis mellifera]	XP_624076.1	25 kDa	0.0053605	0.0070749	0.0039431
26	PREDICTED: tubulin beta-1 chain [Apis mellifera]	XP_392313.1	50 kDa	0.0056384	0.0035839	0.0088418
14	major royal jelly protein 3 precursor [Apis mellifera]	NP_001011601.1	62 kDa	0.0058803	0.0073622	0.013182
68	peptidyl-prolyl cis-trans isomerase B precursor [Apis mellifera]	NP_001229473.1	23 kDa	0.0063526	0.0064806	0.0035602
101	PREDICTED: translationally-controlled tumor protein homolog [Apis mellifera]	XP_395299.2	20 kDa	0.0064812	0.0065974	0.0037902
61	PREDICTED: ferritin subunit [Apis mellifera]	XP_016771737.1	26 kDa	0.0064913	0.0086418	0.0050931
18	PREDICTED: glyceraldehyde-3-phosphate dehydrogenase 2 [Apis mellifera]	XP_393605.1	36 kDa	0.0065498	0.011626	0.0067297
129	PREDICTED: 60S ribosomal protein L14 isoform X1 [Apis mellifera]	XP_006561989.1	18 kDa	0.0068311	0.0035839	0.0046488
19	PREDICTED: glutathione S-transferase S1 isoform X1 [Apis mellifera]	XP_016772844.1	47 kDa	0.0075209	0.0070696	0.0071254
3	PREDICTED: LOW QUALITY PROTEIN: apolipoporphins [Apis mellifera]	XP_016768851.1	377 kDa	0.0075239	0.012276	0.006566
20	PREDICTED: uncharacterized protein LOC107965285 [Apis mellifera]	XP_016770809.1	42 kDa	0.0079478	0.017405	0.0052574
24	PREDICTED: fructose-bisphosphate aldolase [Apis mellifera]	XP_006563323.1	40 kDa	0.0079674	0.011887	0.0045768
16	PREDICTED: chitinase-like protein Idgf4 isoform X2 [Apis mellifera]	XP_001120887.3	49 kDa	0.0081887	0.01082	0.0080932
137	PREDICTED: thioredoxin-2 [Apis mellifera]	XP_003250408.1	12 kDa	0.0083088	0.0063572	0.0058207
35	lambda crystallin-like protein [Apis mellifera]	NP_001129207.1	36 kDa	0.0084093	0.0098967	0.0059125
29	PREDICTED: sorbitol dehydrogenase-like [Apis mellifera]	XP_392401.3	38 kDa	0.0087493	0.013771	0.0058374
42	peroxiredoxin-like protein [Apis mellifera]	NP_001164444.1	25 kDa	0.0088124	0.0075853	0.0042597
82	PREDICTED: uncharacterized protein LOC102654405 [Apis mellifera]	XP_006570633.1	25 kDa	0.0089918	0.0030204	0.0064528
10	contamination	K1C9_HUMAN	62 kDa	0.0097248	0.011679	0.0047743
11	PREDICTED: major royal jelly protein 2 isoform X1 [Apis mellifera]	XP_016770144.1	51 kDa	0.010616	0.0085653	0.016136

15	contamination	K22E_HUMAN	66 kDa	0.011272	0.013661	0.0051168
6	hexamerin 70a precursor [Apis mellifera]	NP_001104234.1	81 kDa	0.012755	0.015516	0.0076248
41	superoxide dismutase 1 [Apis mellifera]	NP_001171498.1	16 kDa	0.014668	0.0026349	0.015279
30	PREDICTED: peroxiredoxin 1 [Apis mellifera]	XP_003249289.1	22 kDa	0.01574	0.013419	0.010291
31	FABP-like protein [Apis mellifera]	NP_001011636.1	16 kDa	0.016156	0.0064278	0.020825
8	major royal jelly protein 1 precursor [Apis mellifera]	NP_001011579.1	49 kDa	0.017839	0.029667	0.027352
7	contamination	K1C10_HUMAN	60 kDa	0.01978	0.024539	0.010169
13	short-chain dehydrogenase/reductase [Apis mellifera]	NP_001011620.1	27 kDa	0.021279	0.019808	0.01971
5	contamination	K2C1_HUMAN	66 kDa	0.027965	0.039448	0.014194
2	hexamerin 110 precursor [Apis mellifera]	NP_001094493.1	112 kDa	0.031144	0.053466	0.024407
4	hexamerin 70c precursor [Apis mellifera]	NP_001092187.1	81 kDa	0.032147	0.047095	0.019957
1	hexamerin 70b precursor [Apis mellifera]	NP_001011600.1	80 kDa	0.060816	0.091769	0.040029
9	odorant binding protein 14 precursor [Apis mellifera]	NP_001035313.1	15 kDa	0.085807	0.12856	0.051007































