

Table S1. Genome-wide expression level changes after transition from YPD to CSF

GeneID	NAME	Log2(CSF/YPD)
CNAG_03058	Hmp1 protein	9.51766
CNAG_04585	conserved hypothetical protein	8.10510
CNAG_02489	mannitol-1-phosphate dehydrogenase	7.93261
CNAG_01047	conserved hypothetical protein	7.83050
CNAG_04981	catalase A	7.63494
CNAG_00588	conserved hypothetical protein	7.54154
CNAG_00679	conserved hypothetical protein	7.28860
CNAG_07869	conserved hypothetical protein	7.02847
CNAG_04374	conserved hypothetical protein	7.00627
CNAG_04105	hypothetical protein	6.93936
CNAG_03143	conserved hypothetical protein	6.67974
CNAG_06220	allergen	6.67245
CNAG_03566	conserved hypothetical protein	6.51354
CNAG_06453	conserved hypothetical protein	6.44270
CNAG_02899	predicted protein	6.34736
CNAG_06267	Rds1 protein	6.34645
CNAG_00452	isovaleryl-CoA dehydrogenase 2	6.26203
CNAG_04394	conserved hypothetical protein	6.24809
CNAG_01936	sugar transporter	6.18328
CNAG_02118	conserved hypothetical protein	6.02872
CNAG_06312	hypothetical protein	6.00235
CNAG_00896	transcription factor	5.99403
CNAG_07939	predicted protein	5.81395
CNAG_05683	conserved hypothetical protein	5.80474
CNAG_07367	amino acid transporter	5.65916
CNAG_05939	conserved hypothetical protein	5.55674
CNAG_03525	trehalase	5.50890
CNAG_02701	conserved hypothetical protein	5.46804
CNAG_00979	copper uptake transporter	5.46484
CNAG_00052	conserved hypothetical protein	5.39690
CNAG_03134	3-hydroxybutyryl-CoA dehydrogenase	5.32505
CNAG_05229	stomatin family protein	5.20316
CNAG_06551	carnitine O-acetyltransferase	5.06437
CNAG_07765	bli-3 protein	5.01536
CNAG_06431	acyl-CoA oxidase	4.95988
CNAG_07862	fumarate reductase	4.95082
CNAG_05662	sugar transporter	4.93001
CNAG_02765	3-hydroxyisobutyrate dehydrogenase	4.90882
CNAG_06926	conserved hypothetical protein	4.90567
CNAG_01446	hypothetical protein	4.90277
CNAG_02045	acetoacyl-CoA synthetase	4.88383
CNAG_03873	conserved hypothetical protein	4.83683

CNAG_00315	HHE domain-containing protein	4.82318
CNAG_06577	conserved hypothetical protein	4.81696
CNAG_04217	phosphoenolpyruvate carboxykinase	4.81474
CNAG_04837	conserved hypothetical protein	4.79969
CNAG_01751	conserved hypothetical protein	4.77758
CNAG_06623	myo-inositol oxygenase	4.77333
CNAG_06396	hypothetical protein	4.75228
CNAG_06493	conserved hypothetical protein	4.73632
CNAG_01690	MFS transporter	4.71632
CNAG_04392	sterol-binding protein	4.58626
CNAG_01680	methylcrotonoyl-Coenzyme A carboxylase 1	4.54271
CNAG_00371	enoyl-CoA hydratase	4.52493
CNAG_05303	isocitrate lyase	4.51444
CNAG_06186	DUF895 domain membrane protein	4.49693
CNAG_05678	membrane protein	4.45362
CNAG_02978	conserved hypothetical protein	4.44655
CNAG_01865	conserved hypothetical protein	4.44069
CNAG_01969	zinc metalloprotease	4.39105
CNAG_00597	amino acid transporter	4.38791
CNAG_04163	conserved hypothetical protein	4.34740
CNAG_01052	conserved hypothetical protein	4.32642
CNAG_01070	class II aldolase/adducin family protein	4.31829
CNAG_00091	conserved hypothetical protein	4.30822
CNAG_06576	allergen	4.28824
CNAG_01116	beta-ketoacyl reductase	4.26609
CNAG_04869	carboxylesterases	4.24952
CNAG_06574	antiphagocytic protein 1	4.24377
CNAG_03782	conserved hypothetical protein	4.20514
CNAG_01585	conserved hypothetical protein	4.19509
CNAG_03666	acyl-CoA dehydrogenase	4.14638
CNAG_00162	alternative oxidase	4.10845
CNAG_01753	conserved hypothetical protein	4.10312
CNAG_06668	mitochondrial protein	4.09096
CNAG_05736	predicted protein	4.08723
CNAG_01750	chaperone	4.07954
CNAG_03268	hypothetical protein	4.07301
CNAG_06628	aldehyde dehydrogenase	4.06917
CNAG_03772	glucose transporter	4.04091
CNAG_05167	conserved hypothetical protein	4.03763
CNAG_03572	opsin 1	3.99428
CNAG_00488	conserved hypothetical protein	3.99259
CNAG_01743	conserved hypothetical protein	3.98182
CNAG_00827	ribose 5-phosphate isomerase	3.97670
CNAG_00984	glucose and ribitol dehydrogenase protein	3.96883
CNAG_05119	GabA permease	3.96631
CNAG_05685	neutral amino acid transporter	3.95291

CNAG_05115	sarcosine oxidase	3.86872
CNAG_04459	hypothetical protein	3.86150
CNAG_00598	nicotinamide mononucleotide permease	3.84240
CNAG_05785	conserved hypothetical protein	3.83113
CNAG_05867	L-fucose transporter	3.82392
CNAG_04849	vacuolar protein	3.80438
CNAG_05021	conserved hypothetical protein	3.78952
CNAG_07831	predicted protein	3.77616
CNAG_03115	conserved hypothetical protein	3.77407
CNAG_05299	oxidoreductase	3.76540
CNAG_02526	conserved hypothetical protein	3.73812
CNAG_03010	enoyl-CoA hydratase/isomerase family protein	3.72345
CNAG_00751	conserved hypothetical protein	3.69774
CNAG_06527	trehalose transporter	3.67467
CNAG_01671	acetyl/propionyl CoA carboxylase	3.66723
CNAG_02440	cation-transporting ATPase	3.66348
CNAG_00995	conserved hypothetical protein	3.62739
CNAG_05300	mitochondrial carrier protein	3.62264
CNAG_02129	conserved hypothetical protein	3.60768
CNAG_06292	sugar transporter	3.57544
CNAG_02691	conserved hypothetical protein	3.56726
CNAG_03243	2-nitropropane dioxygenase	3.55650
CNAG_02591	hypothetical protein	3.55034
CNAG_05435	conserved hypothetical protein	3.53368
CNAG_05721	peroxisomal hydratase-dehydrogenase-epimerase	3.53199
CNAG_05653	malate synthase	3.51862
CNAG_06515	UPF0271 protein	3.51243
CNAG_03894	conserved hypothetical protein	3.50857
CNAG_05324	sugar transporter	3.50512
CNAG_00484	puruvate dehydrogenase complex	3.48988
CNAG_01925	conserved hypothetical protein	3.48153
CNAG_05381	myo-inositol transporter 2	3.47563
CNAG_06150	heat-shock protein 90	3.46494
CNAG_03910	D-xylose-proton symporter	3.46222
CNAG_06932	sugar transporter	3.45946
CNAG_02147	cytochrome-c peroxidase	3.45942
CNAG_02448	predicted protein	3.45106
CNAG_00028	high-affinity nicotinic acid transporter	3.43507
CNAG_00791	conserved hypothetical protein	3.41525
CNAG_06448	cystathionine gamma-lyase	3.39592
CNAG_06827	conserved hypothetical protein	3.38883
CNAG_02254	quinatate permease	3.38147
CNAG_01256	conserved hypothetical protein	3.37774
CNAG_03688	conserved hypothetical protein	3.35530
CNAG_01138	cytochrome c peroxidase	3.35428
CNAG_02288	succinate:fumarate antiporter	3.31923

CNAG_05658	L-arabinitol 4-dehydrogenase	3.30327
CNAG_01341	mannose-6-phosphate isomerase	3.28992
CNAG_02553	short-chain dehydrogenase	3.28465
CNAG_07944	allophanate hydrolase subunit 2	3.27690
CNAG_05913	alpha-glucosidase	3.27041
CNAG_02044	conserved hypothetical protein	3.26822
CNAG_06935	isochorismatase hydrolase	3.23720
CNAG_05266	membrane protein	3.22754
CNAG_07347	heat shock protein	3.22479
CNAG_00490	acetyl-CoA C-acyltransferase	3.18717
CNAG_01993	conserved hypothetical protein	3.18666
CNAG_06296	conserved hypothetical protein	3.17334
CNAG_05644	2-nitropropane dioxygenase	3.16785
CNAG_01735	conserved hypothetical protein	3.16380
CNAG_05313	conserved hypothetical protein	3.14527
CNAG_03518	PadA2	3.14239
CNAG_02674	dJ347H13.4	3.13271
CNAG_03050	conserved hypothetical protein	3.12736
CNAG_02439	conserved hypothetical protein	3.12716
CNAG_03667	conserved hypothetical protein	3.11143
CNAG_02550	conserved hypothetical protein	3.10800
CNAG_06109	conserved hypothetical protein	3.09352
CNAG_06800	conserved hypothetical protein	3.09273
CNAG_02562	acyl-Coenzyme A dehydrogenase	3.08694
CNAG_00738	conserved hypothetical protein	3.08382
CNAG_04704	carboxylic acid transport protein	3.08373
CNAG_02603	early growth response protein 1	3.06941
CNAG_05676	tyrosine aminotransferase	3.06036
CNAG_07755	conserved hypothetical protein	3.05801
CNAG_01983	cAMP-independent regulatory protein	3.04685
CNAG_05938	conserved hypothetical protein	3.04278
CNAG_07486	conserved hypothetical protein	3.01743
CNAG_00651	ATP-binding cassette transporter	3.01059
CNAG_02682	MSH1 protein	3.00572
CNAG_00529	sulfite transporter	2.99860
CNAG_00522	C2 domain-containing protein	2.96581
CNAG_06871	conserved hypothetical protein	2.96378
CNAG_05932	peptidyl-prolyl cis-trans isomerase D	2.94884
CNAG_01847	conserved hypothetical protein	2.93724
CNAG_01742	water channel	2.89122
CNAG_07528	conserved hypothetical protein	2.86875
CNAG_00397	pyruvate dehydrogenase	2.86642
CNAG_03067	pyruvate carboxyltransferase	2.83473
CNAG_03644	CAS3p	2.83339
CNAG_04274	acyl-CoA thioesterase	2.82989
CNAG_04085	oxidoreductase	2.82046

CNAG_04186	conserved hypothetical protein	2.81492
CNAG_02764	adrenoleukodystrophy protein	2.80911
CNAG_02295	phosphotransferase enzyme family domain-containing protein	2.80534
CNAG_05325	conserved hypothetical protein	2.80042
CNAG_04345	specific RNA polymerase II transcription factor	2.79871
CNAG_04836	nuclear protein	2.78977
CNAG_06201	conserved hypothetical protein	2.78410
CNAG_00161	auxin-induced protein	2.78215
CNAG_00251	conserved hypothetical protein	2.78108
CNAG_01074	neutral amino acid transporter	2.78096
CNAG_01231	arginase	2.77915
CNAG_00054	DUF1264 domain-containing protein	2.75908
CNAG_06241	acidic laccase	2.75430
CNAG_04753	lactonohydrolase	2.73314
CNAG_04103	DUF895 domain membrane protein	2.73182
CNAG_03495	conserved hypothetical protein	2.71794
CNAG_06355	conserved hypothetical protein	2.71011
CNAG_06157	conserved hypothetical protein	2.70231
CNAG_01534	predicted protein	2.69741
CNAG_05657	cytoplasmic protein	2.69455
CNAG_03128	lincomycin-condensing protein lmbA	2.69428
CNAG_04238	2,4-dienoyl-CoA reductase	2.69175
CNAG_07458	hypothetical protein	2.68734
CNAG_00826	glycerone kinase	2.68536
CNAG_03019	long-chain-fatty-acid-CoA ligase	2.68531
CNAG_06294	DUF1338 domain-containing protein	2.68056
CNAG_05914	MFS maltose permease MalP	2.67443
CNAG_06879	conserved hypothetical protein	2.66852
CNAG_03011	glycerate-and formate-dehydrogenase	2.66302
CNAG_06302	PEP2	2.66167
CNAG_00029	D-3-phosphoglycerate dehydrogenase	2.66112
CNAG_04980	RNA cap binding protein	2.65947
CNAG_01348	conserved hypothetical protein	2.65937
CNAG_05304	predicted protein	2.65778
CNAG_02934	conserved hypothetical protein	2.64024
CNAG_04415	oxidoreductase	2.63722
CNAG_06931	beta-glucosidase	2.63003
CNAG_07043	conserved hypothetical protein	2.62621
CNAG_03695	Cas41p	2.62455
CNAG_02225	cellulase	2.60320
CNAG_07802	class III aminotransferase	2.59955
CNAG_04713	CLYBL protein	2.59850
CNAG_01588	hypothetical protein	2.59602
CNAG_04307	uricase	2.59266
CNAG_04737	DUF323 domain-containing protein	2.58898

CNAG_05169	cytochrome b2	2.57675
CNAG_04210	sugar transporter	2.57452
CNAG_02500	calnexin	2.55131
CNAG_01758	polygalacturonase	2.54792
CNAG_00531	ENA P-type ATPase 1	2.53724
CNAG_01055	phospholipid transporter	2.52775
CNAG_06216	conserved hypothetical protein	2.52672
CNAG_07641	monosaccharide transporter	2.52526
CNAG_01387	conserved hypothetical protein	2.52217
CNAG_03727	conserved hypothetical protein	2.51478
CNAG_01686	ThiI/Pfpl	2.50067
CNAG_03394	conserved hypothetical protein	2.49766
CNAG_04623	conserved hypothetical protein	2.49690
CNAG_01835	receptor	2.49596
CNAG_05991	glycosyl hydrolase family 88	2.49011
CNAG_00503	conserved hypothetical protein	2.48246
CNAG_06698	phosphatase	2.46902
CNAG_06209	hypothetical protein	2.46772
CNAG_04324	Atg22B-1p	2.46762
CNAG_05042	carnitine acetyltransferase	2.46393
CNAG_03084	endoribonuclease L-PSP	2.45319
CNAG_07403	peroxisome biogenesis factor 1	2.44984
CNAG_06962	conserved hypothetical protein	2.44938
CNAG_01481	conserved hypothetical protein	2.44256
CNAG_03233	conserved hypothetical protein	2.44138
CNAG_04625	serine-type endopeptidase	2.44017
CNAG_04417	2,4-dichlorophenoxyacetate alpha-ketoglutarate dioxygenase	2.43859
CNAG_02690	pirin	2.43153
CNAG_06164	conserved hypothetical protein	2.43051
CNAG_09003	small ribosomal protein subunit 3	2.43003
CNAG_02226	conserved hypothetical protein	2.42720
CNAG_05092	predicted protein	2.42167
CNAG_01794	2-hydroxyacid dehydrogenase	2.42120
CNAG_01567	DUF1688 domain-containing protein	2.41961
CNAG_04979	conserved hypothetical protein	2.41376
CNAG_04735	extracellular elastinolytic metalloproteinase	2.41301
CNAG_07557	ATP-binding cassette transporter	2.40760
CNAG_04993	conserved hypothetical protein	2.40469
CNAG_04531	enoyl-CoA hydratase	2.40320
CNAG_03060	multiple drug resistance protein	2.40033
CNAG_00834	phosphatidylserine decarboxylase	2.39748
CNAG_05929	MFS maltose permease MalP	2.39085
CNAG_01934	predicted protein	2.39018
CNAG_05383	conserved hypothetical protein	2.37445
CNAG_07833	conserved hypothetical protein	2.37057

CNAG_04486	conserved hypothetical protein	2.36144
CNAG_05114	peroxisomal copper amine oxidase	2.35714
CNAG_04621	glycogen synthase	2.35657
CNAG_03838	conserved hypothetical protein	2.35610
CNAG_01075	methylmalonate-semialdehyde dehydrogenase	2.35456
CNAG_04024	sugar transporter	2.34971
CNAG_04351	methylmalonate-semialdehyde dehydrogenase	2.34778
CNAG_04025	transaldolase	2.34141
CNAG_04129	conserved hypothetical protein	2.32348
CNAG_03775	conserved hypothetical protein	2.32328
CNAG_06539	monocarboxylic acid transporter	2.32298
CNAG_05436	conserved hypothetical protein	2.32269
CNAG_02678	conserved hypothetical protein	2.32179
CNAG_02775	conserved hypothetical protein	2.32025
CNAG_00797	acetate-CoA ligase	2.31362
CNAG_02604	conserved hypothetical protein	2.31288
CNAG_07702	conserved hypothetical protein	2.31221
CNAG_05310	nipsnap family protein	2.31004
CNAG_03516	conserved hypothetical protein	2.30414
CNAG_00637	cystathionine beta-synthase	2.30178
CNAG_00262	conserved hypothetical protein	2.29379
CNAG_07533	conserved hypothetical protein	2.28655
CNAG_03346	conserved hypothetical protein	2.28080
CNAG_01558	zinc-binding dehydrogenase	2.27212
CNAG_04067	conserved hypothetical protein	2.26529
CNAG_01952	aryl-alcohol dehydrogenase	2.26524
CNAG_06242	high-affinity iron permease CaFTR1	2.26323
CNAG_05861	conserved hypothetical protein	2.25485
CNAG_02986	phosphoribosyl-ATP diphosphatase	2.25234
CNAG_06433	AMP binding protein	2.24880
CNAG_06229	conserved hypothetical protein	2.24724
CNAG_02924	histone H1	2.24513
CNAG_01417	conserved hypothetical protein	2.24198
CNAG_02284	branched-chain alpha-keto acid dehydrogenase E1-alpha subunit	2.23809
CNAG_04096	racemase	2.23350
CNAG_04308	short chain 3-hydroxyacyl-CoA dehydrogenase	2.23077
CNAG_02595	conserved hypothetical protein	2.22072
CNAG_00393	1,4-alpha-glucan-branching enzyme	2.21360
CNAG_06999	conserved hypothetical protein	2.20405
CNAG_03114	conserved hypothetical protein	2.20226
CNAG_03085	predicted protein	2.19649
CNAG_02230	phosphoketolase	2.19568
CNAG_00462	oxidoreductase	2.19298
CNAG_01670	conserved hypothetical protein	2.18764
CNAG_06787	metacaspase	2.18702

CNAG_02041	conserved hypothetical protein	2.18619
CNAG_07747	acyl-coenzyme A oxidase I	2.18516
CNAG_07874	sugar transporter	2.18233
CNAG_03754	short-chain dehydrogenase/reductase SDR	2.17740
CNAG_03142	conserved hypothetical protein	2.16880
CNAG_04911	conserved hypothetical protein	2.15883
CNAG_01193	conserved hypothetical protein	2.15651
CNAG_07832	predicted protein	2.15364
CNAG_03076	predicted protein	2.15210
CNAG_01314	vacuolar protein	2.15122
CNAG_05328	conserved hypothetical protein	2.15085
CNAG_05320	oxidoreductase family protein	2.14622
CNAG_02409	conserved hypothetical protein	2.14122
CNAG_06816	FCY1	2.13893
CNAG_06561	allantoate transporter	2.13641
CNAG_06956	conserved hypothetical protein	2.13008
CNAG_07743	predicted protein	2.12908
CNAG_01040	carboxypeptidase D	2.12794
CNAG_03859	transcriptional regulator Medusa	2.12757
CNAG_06531	conserved hypothetical protein	2.12722
CNAG_06213	conserved hypothetical protein	2.12537
CNAG_01796	conserved hypothetical protein	2.12453
CNAG_03828	aromatic amino acid aminotransferase I	2.12397
CNAG_00735	succinate-semialdehyde dehydrogenase	2.12106
CNAG_05971	hypothetical protein	2.11633
CNAG_07552	DNA repair protein rad8	2.11550
CNAG_02599	aldolase	2.11145
CNAG_00840	conserved hypothetical protein	2.10871
CNAG_05996	amino acid transporter	2.10405
CNAG_01252	thiosulfate sulfurtransferase	2.10127
CNAG_01727	Hsc70-4	2.09812
CNAG_03692	DUF1295 domain-containing protein	2.09688
CNAG_02438	conserved hypothetical protein	2.09508
CNAG_06876	alpha-ketoglutarate-dependent taurine dioxygenase	2.09096
CNAG_05094	predicted protein	2.08785
CNAG_03401	conserved hypothetical protein	2.08697
CNAG_06602	cysteine-type peptidase	2.08663
CNAG_03294	conserved hypothetical protein	2.08634
CNAG_00855	ligase	2.08473
CNAG_07341	conserved hypothetical protein	2.07554
CNAG_02189	alpha-amylase	2.07481
CNAG_03503	ATP-binding cassette transporter protein YOR1	2.07146
CNAG_03729	peroxisome targeting sequence binding protein	2.06743
CNAG_04795	adenine nucleotide transporter	2.06701
CNAG_04970	conserved hypothetical protein	2.06583
CNAG_00254	NADH dehydrogenase	2.06268

CNAG_06169	R,R	2.06223
CNAG_01542	taurine catabolism dioxygenase TauD	2.05952
CNAG_04106	conserved hypothetical protein	2.04573
CNAG_02874	conserved hypothetical protein	2.04569
CNAG_03597	conserved hypothetical protein	2.04115
CNAG_04280	conserved hypothetical protein	2.03136
CNAG_03991	integral membrane protein	2.02610
CNAG_01851	conserved hypothetical protein	2.02017
CNAG_01338	DNA repair protein rhp42	2.01790
CNAG_02733	monosaccharide transporter	2.01522
CNAG_00883	transcription factor	2.01155
CNAG_01584	hydrolase	2.00889
CNAG_03016	chaperone regulator	2.00647
CNAG_03465	laccase	1.99514
CNAG_00678	urease accessory protein ureG	1.99156
CNAG_06583	conserved hypothetical protein	1.99124
CNAG_04561	monooxygenase protein	1.98361
CNAG_03002	conserved hypothetical protein	1.98294
CNAG_02170	conserved hypothetical protein	1.98175
CNAG_06132	glycerol-1-phosphatase	1.98141
CNAG_05272	conserved hypothetical protein	1.98113
CNAG_03012	hypothetical protein	1.98067
CNAG_06912	conserved hypothetical protein	1.97842
CNAG_01082	conserved hypothetical protein	1.97396
CNAG_07908	aconitate hydratase	1.97327
CNAG_00149	conserved hypothetical protein	1.96963
CNAG_06349	conserved hypothetical protein	1.96958
CNAG_02570	predicted protein	1.96539
CNAG_07767	conserved hypothetical protein	1.96346
CNAG_00032	aldolase	1.96312
CNAG_05820	aromatic-amino-acid transaminase	1.95843
CNAG_05134	ornithine-oxo-acid transaminase	1.95737
CNAG_04967	conserved hypothetical protein	1.95715
CNAG_03177	conserved hypothetical protein	1.95491
CNAG_05686	hypothetical protein	1.95434
CNAG_04736	conserved hypothetical protein	1.95096
CNAG_06066	nucleoside-diphosphate-sugar epimerase family protein	1.94889
CNAG_07434	conserved hypothetical protein	1.94869
CNAG_06705	predicted protein	1.94788
CNAG_03837	protein-L-isoaspartate O-methyltransferase	1.94673
CNAG_06805	predicted protein	1.93910
CNAG_06777	fructosyl amino acid oxidase	1.93674
CNAG_02323	conserved hypothetical protein	1.93279
CNAG_04468	tartrate dehydrogenase	1.93068
CNAG_05599	conserved hypothetical protein	1.92217
CNAG_00164	conserved hypothetical protein	1.92216

CNAG_04889	conserved hypothetical protein	1.92146
CNAG_04947	high-affinity nicotinic acid transporter	1.92143
CNAG_03446	conserved hypothetical protein	1.91684
CNAG_06938	conserved hypothetical protein	1.91681
CNAG_02759	conserved hypothetical protein	1.90748
CNAG_02551	dihydroxyacetone kinase 1	1.90742
CNAG_05601	calpain-like protease palB/RIM13	1.90074
CNAG_03696	conserved hypothetical protein	1.89321
CNAG_01555	conserved hypothetical protein	1.88851
CNAG_06578	conserved hypothetical protein	1.88688
CNAG_03790	conserved hypothetical protein	1.88551
CNAG_02465	allantoate permease	1.88457
CNAG_07361	conserved hypothetical protein	1.88373
CNAG_01760	conserved hypothetical protein	1.88342
CNAG_00543	conserved hypothetical protein	1.88200
CNAG_02877	conserved hypothetical protein	1.88165
CNAG_07600	beta-glucosidase	1.88076
CNAG_07334	ferric reductase transmembrane component	1.87872
CNAG_05330	trehalose transporter	1.87548
CNAG_05560	short chain dehydrogenase	1.87523
CNAG_04337	cation diffusion facilitator	1.87499
CNAG_03847	conserved hypothetical protein	1.87293
CNAG_02904	predicted protein	1.87203
CNAG_01653	cytokine inducing-glycoprotein	1.87038
CNAG_06580	VosA	1.86955
CNAG_05500	conserved hypothetical protein	1.86141
CNAG_07539	purine nucleotide binding protein	1.86088
CNAG_00132	conserved hypothetical protein	1.85999
CNAG_00247	saccharopine dehydrogenase	1.85417
CNAG_04416	major facilitator superfamily transporter	1.85397
CNAG_05112	conserved hypothetical protein	1.85032
CNAG_05891	conserved hypothetical protein	1.84633
CNAG_02476	conserved hypothetical protein	1.84445
CNAG_06653	hypothetical protein	1.84436
CNAG_03135	DUF803 domain membrane protein	1.84202
CNAG_04291	glycosyl-hydrolase	1.84065
CNAG_05587	conserved hypothetical protein	1.83943
CNAG_02184	predicted protein	1.83723
CNAG_04457	conserved hypothetical protein	1.83551
CNAG_07596	predicted protein	1.83432
CNAG_06565	conserved hypothetical protein	1.83367
CNAG_07586	conserved hypothetical protein	1.83345
CNAG_01982	conserved hypothetical protein	1.82725
CNAG_02699	conserved hypothetical protein	1.82676
CNAG_05675	mitochondrial protein	1.82668
CNAG_02539	amino acid transporter	1.82474

CNAG_00537	carnitine acetyltransferase	1.81820
CNAG_01725	predicted protein	1.81516
CNAG_02049	proline dehydrogenase	1.81471
CNAG_00036	Sec14 cytosolic factor	1.81462
CNAG_06024	peroxin 14	1.81417
CNAG_02165	cytoplasmic protein	1.80956
CNAG_05138	exo-beta-1,3-glucanase	1.80670
CNAG_07911	streptomycin biosynthesis protein StrI	1.80646
CNAG_04409	conserved hypothetical protein	1.80053
CNAG_00376	conserved hypothetical protein	1.79875
CNAG_06035	alcohol dehydrogenase	1.79839
CNAG_06942	nicotinamide mononucleotide permease	1.79792
CNAG_05312	conserved hypothetical protein	1.79726
CNAG_07026	conserved hypothetical protein	1.79397
CNAG_07758	conserved hypothetical protein	1.79300
CNAG_01085	conserved hypothetical protein	1.79189
CNAG_06440	DNA dependent ATPase	1.78545
CNAG_00549	conserved hypothetical protein	1.78124
CNAG_03734	conserved hypothetical protein	1.77509
CNAG_02058	hypothetical protein	1.76869
CNAG_07654	conserved hypothetical protein	1.76851
CNAG_02013	conserved hypothetical protein	1.76531
CNAG_04937	conserved hypothetical protein	1.76504
CNAG_07304	conserved hypothetical protein	1.76402
CNAG_07691	hypothetical protein	1.76164
CNAG_05177	DNA-directed polymerase kappa	1.76110
CNAG_00078	vacuolar protein	1.75901
CNAG_02429	conserved hypothetical protein	1.75835
CNAG_06238	conserved hypothetical protein	1.75808
CNAG_01383	conserved hypothetical protein	1.75776
CNAG_05592	calcium-transporting ATPase	1.75710
CNAG_07357	conserved hypothetical protein	1.75661
CNAG_01764	cytoplasmic protein	1.74811
CNAG_00100	chaperone	1.74380
CNAG_04362	ATP-dependent RNA helicase DBP5	1.74139
CNAG_03290	STE/STE20/YSK protein kinase	1.74044
CNAG_06914	tubulin gamma chain	1.73828
CNAG_02427	conserved hypothetical protein	1.73793
CNAG_00093	conserved hypothetical protein	1.73457
CNAG_00001	conserved hypothetical protein	1.73366
CNAG_04978	phytanoyl-CoA dioxygenase family protein	1.73154
CNAG_00465	conserved hypothetical protein	1.72678
CNAG_05364	conserved hypothetical protein	1.72450
CNAG_04455	peroxisomal protein	1.72432
CNAG_03445	conserved hypothetical protein	1.72374
CNAG_03407	predicted protein	1.71745

CNAG_04760	cytoplasmic protein	1.71582
CNAG_00163	conserved hypothetical protein	1.71541
CNAG_06172	transketolase	1.71404
CNAG_01069	conserved hypothetical protein	1.71365
CNAG_01633	conserved hypothetical protein	1.71043
CNAG_06506	conserved hypothetical protein	1.70930
CNAG_01359	RNA polymerase II subunit 7	1.70717
CNAG_05066	conserved hypothetical protein	1.70631
CNAG_03794	endoplasmic reticulum protein	1.69899
CNAG_06712	hypothetical protein	1.69844
CNAG_07584	conserved hypothetical protein	1.69747
CNAG_02336	conserved hypothetical protein	1.69451
CNAG_07656	conserved hypothetical protein	1.69052
CNAG_06010	fatty aldehyde dehydrogenase	1.68720
CNAG_03707	efflux protein	1.68240
CNAG_02363	SCR1 protein	1.68135
CNAG_06029	conserved hypothetical protein	1.67896
CNAG_00336	conserved hypothetical protein	1.67846
CNAG_04174	peroxisome assembly factor-2	1.67752
CNAG_07276	conserved hypothetical protein	1.67525
CNAG_01427	acetyltransferase	1.67498
CNAG_00177	conserved hypothetical protein	1.67371
CNAG_04663	conserved hypothetical protein	1.67174
CNAG_04449	alpha-1,6-mannosyltransferase	1.67066
CNAG_06202	conserved hypothetical protein	1.66929
CNAG_01186	gp165	1.66740
CNAG_03519	cytoplasmic protein	1.66690
CNAG_00460	conserved hypothetical protein	1.66327
CNAG_03697	hormone-sensitive lipase	1.66259
CNAG_01265	charged multivesicular body protein 6-A	1.66205
CNAG_04634	conserved hypothetical protein	1.66116
CNAG_02776	conserved hypothetical protein	1.66032
CNAG_03522	conserved hypothetical protein	1.65926
CNAG_02449	long-chain-fatty-acid-CoA ligase	1.65686
CNAG_00907	conserved hypothetical protein	1.65572
CNAG_05871	conserved hypothetical protein	1.65300
CNAG_00011	conserved hypothetical protein	1.65073
CNAG_00745	other/HAL protein kinase	1.65018
CNAG_01611	conserved hypothetical protein	1.64984
CNAG_04953	conserved hypothetical protein	1.64507
CNAG_00897	glucosidase	1.64317
CNAG_05282	protein transporter	1.64126
CNAG_00550	msh5	1.64100
CNAG_04892	conserved hypothetical protein	1.64031
CNAG_07602	conserved hypothetical protein	1.63900
CNAG_04546	multidrug transporter	1.63807

CNAG_03347	chaperone	1.63788
CNAG_02757	conserved hypothetical protein	1.63718
CNAG_00915	conserved hypothetical protein	1.63217
CNAG_03655	predicted protein	1.63191
CNAG_05735	hypothetical protein	1.63141
CNAG_04565	conserved hypothetical protein	1.63021
CNAG_03614	predicted protein	1.62826
CNAG_01553	CORD and CS domain-containing protein	1.62252
CNAG_06028	conserved hypothetical protein	1.62227
CNAG_01317	conserved hypothetical protein	1.62139
CNAG_03059	conserved hypothetical protein	1.62025
CNAG_05937	conserved hypothetical protein	1.62023
CNAG_05178	conserved hypothetical protein	1.61907
CNAG_04185	conserved hypothetical protein	1.61283
CNAG_05760	endoplasmic reticulum protein	1.61208
CNAG_01635	DUF1479 domain-containing protein	1.61068
CNAG_03461	hypothetical protein	1.60992
CNAG_07703	conserved hypothetical protein	1.60866
CNAG_05321	transposase subfamily	1.60735
CNAG_01763	cytoplasmic protein	1.60668
CNAG_07457	predicted protein	1.60666
CNAG_03664	high-affinity nickel-transporter	1.60454
CNAG_00581	endopeptidase	1.60258
CNAG_07589	xylitol dehydrogenase	1.59974
CNAG_06523	conserved hypothetical protein	1.59873
CNAG_07633	predicted protein	1.59693
CNAG_06148	conserved hypothetical protein	1.59572
CNAG_04333	conserved hypothetical protein	1.59197
CNAG_00064	COPII-coated vesicle protein	1.59050
CNAG_01441	conserved hypothetical protein	1.58852
CNAG_03381	conserved hypothetical protein	1.58675
CNAG_05338	conserved hypothetical protein	1.58416
CNAG_03292	conserved hypothetical protein	1.57768
CNAG_04536	nicotinamide mononucleotide permease	1.57445
CNAG_06532	conserved hypothetical protein	1.57441
CNAG_00403	mitochondrial protein	1.57175
CNAG_03113	trehalose synthase	1.56900
CNAG_05784	conserved hypothetical protein	1.56567
CNAG_07766	DNA polymerase lambda	1.56335
CNAG_01604	haloacid dehalogenase-like hydrolase domain-containing protein 2	1.56302
CNAG_04690	mitochondrial protein	1.55735
CNAG_07538	calcium ion transporter	1.55166
CNAG_04902	MMS2	1.55135
CNAG_02727	conserved hypothetical protein	1.54282
CNAG_05656	conserved hypothetical protein	1.53874

CNAG_02708	conserved hypothetical protein	1.53844
CNAG_03199	FAD dependent oxidoreductase superfamily	1.53788
CNAG_03024	AGC-group protein kinase	1.53595
CNAG_04534	conserved hypothetical protein	1.53224
CNAG_06260	hydrolase	1.53108
CNAG_04043	DUF636 domain-containing protein	1.52942
CNAG_02102	conserved hypothetical protein	1.52886
CNAG_04402	splicing factor	1.52308
CNAG_00691	conserved hypothetical protein	1.52190
CNAG_00131	alcohol dehydrogenase	1.51843
CNAG_04946	conserved hypothetical protein	1.51335
CNAG_00625	ARF guanyl-nucleotide exchange factor	1.51216
CNAG_05941	conserved hypothetical protein	1.51027
CNAG_01759	vacuolar membrane protein	1.50999
CNAG_01872	copper ion transporter	1.50789
CNAG_04649	L-A virus GAG protein N-acetyltransferase	1.50430
CNAG_00124	CAS32p	1.50023
CNAG_05930	conserved hypothetical protein	1.49459
CNAG_03377	conserved hypothetical protein	1.49456
CNAG_07645	predicted protein	1.49003
CNAG_01776	HpCH/Hpal aldolase/citrate lyase family protein	1.48998
CNAG_04403	CCCH zinc finger protein	1.48912
CNAG_03162	vacuolar protein	1.48577
CNAG_06534	hydroxymethylglutaryl-CoA reductase	1.48327
CNAG_07319	conserved hypothetical protein	1.48164
CNAG_05643	conserved hypothetical protein	1.47788
CNAG_03490	conserved hypothetical protein	1.47608
CNAG_07826	hypothetical protein	1.47564
CNAG_05628	DUF300 domain-containing protein	1.47482
CNAG_05718	multidrug resistance protein fnx1	1.47404
CNAG_04618	PRO1 protein	1.47154
CNAG_05777	conserved hypothetical protein	1.46746
CNAG_01919	conserved hypothetical protein	1.46736
CNAG_03783	predicted protein	1.46558
CNAG_05281	predicted protein	1.46539
CNAG_04322	conserved hypothetical protein	1.46289
CNAG_04086	conserved hypothetical protein	1.46273
CNAG_07203	conserved hypothetical protein	1.46189
CNAG_02999	conserved hypothetical protein	1.46155
CNAG_04602	conserved hypothetical protein	1.46075
CNAG_00442	cyclin	1.45963
CNAG_07603	conserved hypothetical protein	1.45518
CNAG_02306	molybdopterin binding domain-containing protein	1.45436
CNAG_06178	predicted protein	1.45321
CNAG_06321	conserved hypothetical protein	1.45307
CNAG_01696	DNAj protein	1.45083

CNAG_06732	conserved hypothetical protein	1.45045
CNAG_06776	membrane protein	1.44835
CNAG_02023	conserved hypothetical protein	1.44832
CNAG_01384	bodown198	1.44648
CNAG_05540	urease	1.44428
CNAG_04275	metalloendopeptidase	1.44402
CNAG_04535	tartrate dehydrogenase	1.44309
CNAG_02335	UPF0364 protein	1.44300
CNAG_02263	conserved hypothetical protein	1.44231
CNAG_07395	conserved hypothetical protein	1.44203
CNAG_04617	small oligopeptide transporter	1.44119
CNAG_06913	L-serine ammonia-lyase	1.43904
CNAG_07421	conserved hypothetical protein	1.43865
CNAG_02532	D-amino-acid oxidase	1.43572
CNAG_03117	conserved hypothetical protein	1.43452
CNAG_01695	conserved hypothetical protein	1.43392
CNAG_06121	conserved hypothetical protein	1.43336
CNAG_05316	inositol oxygenase	1.42744
CNAG_04346	dihydrodipicolinate synthase	1.42546
CNAG_06538	monocarboxylic acid transporter	1.42524
CNAG_01031	conserved hypothetical protein	1.42404
CNAG_05017	GabA permease	1.42233
CNAG_06704	predicted protein	1.42147
CNAG_03852	predicted protein	1.42078
CNAG_09011	NADH dehydrogenase subunit 3	1.42068
CNAG_01493	conserved hypothetical protein	1.41864
CNAG_02052	dimeric dihydrodiol dehydrogenase	1.41844
CNAG_04898	MFS transporter	1.41322
CNAG_06330	conserved hypothetical protein	1.41189
CNAG_02344	uracil phosphoribosyltransferase	1.41185
CNAG_05265	hypothetical protein	1.41180
CNAG_02685	conserved hypothetical protein	1.41077
CNAG_06217	conserved hypothetical protein	1.41058
CNAG_07780	farnesyltranstransferase	1.40704
CNAG_02752	short-chain dehydrogenase	1.40668
CNAG_03713	efflux protein EncT	1.40533
CNAG_03078	type I phosphodiesterase/nucleotide pyrophosphatase family protein	1.40490
CNAG_04209	voltage-gated potassium channel beta-2 subunit	1.40438
CNAG_07768	predicted protein	1.40293
CNAG_07449	amino acid transporter	1.39889
CNAG_04626	conserved hypothetical protein	1.39642
CNAG_00816	microtubule binding protein	1.39474
CNAG_06601	amidohydrolase family protein	1.39207
CNAG_06485	hexose transporter protein	1.39184
CNAG_03036	potassium ion transporter	1.39158

CNAG_03564	conserved hypothetical protein	1.39002
CNAG_04862	glutamate synthase	1.38902
CNAG_02289	Rab4	1.38901
CNAG_05527	helicase sen1	1.38706
CNAG_06106	chaperone regulator	1.38448
CNAG_06295	cytoplasmic protein	1.38299
CNAG_05022	conserved hypothetical protein	1.38227
CNAG_04034	conserved hypothetical protein	1.38079
CNAG_06640	carboxypeptidase C	1.37852
CNAG_03133	UDP-glucose,sterol transferase	1.37705
CNAG_03562	D-amino-acid oxidase	1.37653
CNAG_06419	conserved hypothetical protein	1.37517
CNAG_06285	predicted protein	1.37460
CNAG_00968	conserved hypothetical protein	1.37366
CNAG_03262	inositol-1(or 4)-monophosphatase	1.37332
CNAG_05221	histone H2A.4	1.37124
CNAG_04485	long-chain-fatty-acid-CoA-ligase	1.37013
CNAG_07779	D-glycerate 3-kinase	1.36739
CNAG_04677	xylitol dehydrogenase	1.36619
CNAG_02155	predicted protein	1.36575
CNAG_03241	conserved hypothetical protein	1.36574
CNAG_07909	MmLim15 protein	1.36446
CNAG_07422	delayed-type hypersensitivity antigen	1.36337
CNAG_03558	predicted protein	1.36279
CNAG_00961	conserved hypothetical protein	1.36168
CNAG_03776	conserved hypothetical protein	1.36162
CNAG_00030	D-3-phosphoglycerate dehydrogenase	1.36118
CNAG_07308	conserved hypothetical protein	1.35804
CNAG_06579	conserved hypothetical protein	1.35794
CNAG_06102	eukaryotic ADP/ATP carrier	1.35707
CNAG_00879	glutamate dehydrogenase	1.35550
CNAG_06985	beta-glucosidase	1.35521
CNAG_01497	integral membrane protein	1.35354
CNAG_06105	conserved hypothetical protein	1.35066
CNAG_07390	conserved hypothetical protein	1.34972
CNAG_01445	APG9	1.34890
CNAG_06073	predicted protein	1.34713
CNAG_00964	conserved hypothetical protein	1.34566
CNAG_02554	sugar transporter	1.34494
CNAG_04834	MFS transporter	1.34457
CNAG_04122	galactose dehydrogenase	1.34290
CNAG_02168	glucoamylase s1/s2	1.34204
CNAG_01476	conserved hypothetical protein	1.33770
CNAG_06536	monocarboxylic acid transporter	1.33760
CNAG_03668	conserved hypothetical protein	1.33704
CNAG_01207	conserved hypothetical protein	1.33387

CNAG_00003	drug transporter	1.33303
CNAG_05350	conserved hypothetical protein	1.33225
CNAG_00752	transducin family protein	1.33205
CNAG_07924	RNA polymerase II transcription factor	1.32921
CNAG_07573	DNA ligase 4	1.32211
CNAG_05746	conserved hypothetical protein	1.32108
CNAG_04558	predicted protein	1.32059
CNAG_00905	MFS transporter	1.32044
CNAG_00079	conserved hypothetical protein	1.32002
CNAG_07305	conserved hypothetical protein	1.32000
CNAG_01706	predicted protein	1.31969
CNAG_05843	translation initiation factor eIF-4E	1.31923
CNAG_00692	FAD dependent oxidoreductase	1.31852
CNAG_04496	rab GTPase activator	1.31672
CNAG_03216	CAMK/CAMKL/MARK protein kinase	1.31554
CNAG_05180	conserved hypothetical protein	1.31539
CNAG_03851	conserved hypothetical protein	1.31438
CNAG_06672	formate dehydrogenase	1.31024
CNAG_06522	conserved hypothetical protein	1.31020
CNAG_05397	conserved hypothetical protein	1.30753
CNAG_00305	chaperone activator	1.30700
CNAG_02889	predicted protein	1.30697
CNAG_01621	conserved hypothetical protein	1.30449
CNAG_00542	conserved hypothetical protein	1.30424
CNAG_02927	thioredoxin family protein	1.30398
CNAG_03825	conserved hypothetical protein	1.30316
CNAG_02398	conserved hypothetical protein	1.30231
CNAG_06214	predicted protein	1.30202
CNAG_02066	conserved hypothetical protein	1.30185
CNAG_06161	Pip5k3 protein	1.30148
CNAG_02305	conserved hypothetical protein	1.30137
CNAG_04784	monosaccharide transporter	1.30047
CNAG_03679	conserved hypothetical protein	1.29997
CNAG_01926	peroxisome targeting signal receptor	1.29946
CNAG_07739	conserved hypothetical protein	1.29855
CNAG_01620	conserved hypothetical protein	1.29690
CNAG_00419	conserved hypothetical protein	1.29651
CNAG_06807	conserved hypothetical protein	1.29558
CNAG_05478	SNF7 family protein	1.29467
CNAG_05665	conserved hypothetical protein	1.29330
CNAG_03841	conserved hypothetical protein	1.29224
CNAG_06853	hypothetical protein	1.28987
CNAG_05693	conserved hypothetical protein	1.28932
CNAG_06244	conserved hypothetical protein	1.28806
CNAG_00264	nuclease I	1.28730
CNAG_02939	Pex3p	1.28578

CNAG_01472	endoplasmic reticulum protein	1.28552
CNAG_03122	predicted protein	1.28550
CNAG_06907	conserved hypothetical protein	1.28446
CNAG_04140	conserved hypothetical protein	1.28327
CNAG_04401	vesicular-fusion protein	1.28322
CNAG_02943	cytoplasmic protein	1.28271
CNAG_00681	conserved hypothetical protein	1.28255
CNAG_05847	thioredoxin-disulfide reductase	1.28139
CNAG_06338	ABC transporter PMR5	1.27872
CNAG_04557	predicted protein	1.27681
CNAG_03275	glutaryl-CoA dehydrogenase	1.27507
CNAG_03447	conserved hypothetical protein	1.27409
CNAG_03382	conserved hypothetical protein	1.27306
CNAG_01675	tagatose-bisphosphate aldolase	1.27266
CNAG_03913	conserved hypothetical protein	1.27211
CNAG_04519	D-serine dehydratase	1.27100
CNAG_05072	endopeptidase	1.27097
CNAG_02555	conserved hypothetical protein	1.26966
CNAG_03367	uridine kinase	1.26927
CNAG_00152	conserved hypothetical protein	1.26909
CNAG_02592	thioredoxin reductase GliT	1.26800
CNAG_03526	conserved hypothetical protein	1.26773
CNAG_05355	ubiquitin-protein ligase	1.26504
CNAG_05191	conserved hypothetical protein	1.26499
CNAG_02504	conserved hypothetical protein	1.26487
CNAG_07558	wos2 protein	1.26217
CNAG_02524	conserved hypothetical protein	1.26201
CNAG_07401	predicted protein	1.26173
CNAG_05404	histone-lysine n-methyltransferase	1.26141
CNAG_05003	conserved hypothetical protein	1.26000
CNAG_05771	telomere length control protein	1.25751
CNAG_00547	conserved hypothetical protein	1.25376
CNAG_06247	conserved hypothetical protein	1.25310
CNAG_02095	cyclin	1.25303
CNAG_01605	rossman fold oxidoreductase	1.25281
CNAG_00524	acetyl-Coenzyme A acyltransferase 2	1.25271
CNAG_09001	conserved hypothetical protein	1.25173
CNAG_04707	conserved hypothetical protein	1.25168
CNAG_06483	conserved hypothetical protein	1.25125
CNAG_00399	transformer-2-beta isoform 3	1.25094
CNAG_04562	predicted protein	1.25016
CNAG_03709	conserved hypothetical protein	1.25000
CNAG_07587	hypothetical protein	1.24979
CNAG_03654	ATP dependent DNA helicase	1.24854
CNAG_03488	conserved hypothetical protein	1.24850
CNAG_06291	deacetylase	1.24764

CNAG_07823	predicted protein	1.24750
CNAG_02219	conserved hypothetical protein	1.24626
CNAG_01736	predicted protein	1.24238
CNAG_03511	conserved hypothetical protein	1.24002
CNAG_03563	aspartate-tRNA ligase	1.23960
CNAG_00456	conserved hypothetical protein	1.23933
CNAG_02375	polyphosphoinositide phosphatase	1.23755
CNAG_02586	sugar transporter	1.23724
CNAG_02864	predicted protein	1.23667
CNAG_06517	cytoplasmic protein	1.23644
CNAG_06809	other/IKS protein kinase	1.23578
CNAG_07785	predicted protein	1.23451
CNAG_04632	uracil permease	1.23404
CNAG_06540	dihydroxy-acid dehydratase	1.22639
CNAG_03733	conserved hypothetical protein	1.22609
CNAG_06497	microsomal epoxide hydrolase	1.22562
CNAG_04751	conserved hypothetical protein	1.22557
CNAG_06843	predicted protein	1.22556
CNAG_05446	Kex2	1.22532
CNAG_06308	WD repeat protein	1.22494
CNAG_07727	predicted protein	1.22476
CNAG_00360	nuclear protein SNF4	1.22422
CNAG_02452	conserved hypothetical protein	1.22388
CNAG_00172	kinesin	1.22353
CNAG_04523	glyceraldehyde 3-phosphate dehydrogenase	1.22332
CNAG_03542	arginase	1.22240
CNAG_06498	conserved hypothetical protein	1.22228
CNAG_03752	conserved hypothetical protein	1.22171
CNAG_05835	conserved hypothetical protein	1.22073
CNAG_03242	peroxisomal membrane protein	1.22000
CNAG_07500	hypothetical protein	1.21638
CNAG_06116	conserved hypothetical protein	1.21536
CNAG_04960	conserved hypothetical protein	1.21500
CNAG_00090	conserved hypothetical protein	1.21220
CNAG_07668	conserved hypothetical protein	1.21123
CNAG_07704	conserved hypothetical protein	1.20963
CNAG_05472	endodeoxyribonuclease	1.20892
CNAG_06373	conserved hypothetical protein	1.20886
CNAG_05870	conserved hypothetical protein	1.20860
CNAG_00031	conserved hypothetical protein	1.20755
CNAG_07521	conserved hypothetical protein	1.20750
CNAG_03051	polyamine transporter	1.20707
CNAG_02781	dihydrodipicolinate synthetase family protein	1.20564
CNAG_03876	RHEB small monomeric GTPase	1.20553
CNAG_03935	endothelin-converting enzyme 1	1.20370
CNAG_01658	conserved hypothetical protein	1.20333

CNAG_05116	beta DNA polymerase	1.20281
CNAG_01102	oxidoreductase	1.20174
CNAG_02841	cytochrome P450 monooxygenase pc-2	1.20114
CNAG_01601	lipase	1.20024
CNAG_07042	conserved hypothetical protein	1.19956
CNAG_00967	conserved hypothetical protein	1.19886
CNAG_01545	conserved hypothetical protein	1.19868
CNAG_02540	conserved hypothetical protein	1.19814
CNAG_02600	tartrate transporter	1.19651
CNAG_07701	conserved hypothetical protein	1.19637
CNAG_05732	predicted protein	1.19528
CNAG_05670	conserved hypothetical protein	1.19516
CNAG_07808	alanine-glyoxylate transaminase	1.19493
CNAG_07683	conserved hypothetical protein	1.19447
CNAG_01086	conserved hypothetical protein	1.19087
CNAG_04611	ubiquitin-protein ligase	1.18942
CNAG_01689	conserved hypothetical protein	1.18923
CNAG_02873	signal peptidase I	1.18899
CNAG_06901	UDP-N-acetylglucosamine-dolichyl	1.18875
CNAG_04724	Ube3c protein	1.18867
CNAG_02728	peroxisomal membrane protein pex13	1.18797
CNAG_05053	conserved hypothetical protein	1.18711
CNAG_07542	conserved hypothetical protein	1.18675
CNAG_04863	conserved hypothetical protein	1.18581
CNAG_04158	transcription corepressor	1.18549
CNAG_01954	aldo/keto reductase	1.18462
CNAG_01185	hsp70-like protein	1.18084
CNAG_02718	NAD binding dehydrogenase family protein	1.18014
CNAG_00660	histone deacetylase	1.17983
CNAG_02164	conserved hypothetical protein	1.17907
CNAG_07906	conserved hypothetical protein	1.17859
CNAG_05469	synoviolin	1.17838
CNAG_06973	conserved hypothetical protein	1.17769
CNAG_00173	conserved hypothetical protein	1.17616
CNAG_03657	conserved hypothetical protein	1.17432
CNAG_06968	hypothetical protein	1.17229
CNAG_04493	ubiquitin specific peptidase 48	1.17085
CNAG_02353	conserved hypothetical protein	1.17062
CNAG_01479	conserved hypothetical protein	1.17012
CNAG_04195	O-methyltransferase	1.16539
CNAG_01095	BEM46 family protein	1.16531
CNAG_02903	zinc-type alcohol dehydrogenase	1.16445
CNAG_03212	fork head domain-containing protein	1.16354
CNAG_00412	predicted protein	1.16183
CNAG_00859	conserved hypothetical protein	1.16160
CNAG_04228	2,4-dienoyl-CoA reductase	1.16134

CNAG_01210	predicted protein	1.15936
CNAG_04520	D-aminoacylase	1.15757
CNAG_00848	conserved hypothetical protein	1.15724
CNAG_03269	aldehyde dehydrogenase	1.15589
CNAG_05290	transcription cofactor	1.15424
CNAG_07734	predicted protein	1.15337
CNAG_03531	3-beta hydroxysteroid dehydrogenase/isomerase	1.15115
CNAG_01331	conserved hypothetical protein	1.15003
CNAG_00057	fructose-bisphosphatase	1.14989
CNAG_00181	macrophage erythroblast attacher isoform 1	1.14950
CNAG_02043	conserved hypothetical protein	1.14910
CNAG_03683	short-chain dehydrogenase/reductase SDR	1.14897
CNAG_06868	enolase 1	1.14725
CNAG_07617	conserved hypothetical protein	1.14610
CNAG_04886	conserved hypothetical protein	1.14358
CNAG_01541	conserved hypothetical protein	1.14099
CNAG_00047	kinase	1.14087
CNAG_01882	protein-lysine N-methyltransferase	1.13994
CNAG_02464	cytoplasmic protein	1.13581
CNAG_00726	conserved hypothetical protein	1.13544
CNAG_06836	oxidoreductase	1.13446
CNAG_05963	conserved hypothetical protein	1.13387
CNAG_00284	efflux protein EncT	1.13022
CNAG_03082	cupin domain-containing protein	1.12871
CNAG_05293	glycogenin glucosyltransferase	1.12747
CNAG_01059	vacuolar membrane protein	1.12585
CNAG_07729	hypothetical protein	1.12558
CNAG_05517	conserved hypothetical protein	1.12487
CNAG_06266	conserved hypothetical protein	1.12081
CNAG_01041	conserved hypothetical protein	1.12068
CNAG_01540	dehydrogenase	1.11793
CNAG_05840	family with sequence similarity 96	1.11754
CNAG_05046	predicted protein	1.11732
CNAG_06218	amidase protein	1.11690
CNAG_04495	conserved hypothetical protein	1.11446
CNAG_06311	cytoplasmic protein	1.11407
CNAG_03489	RNA recognition domain-containing protein (RRM)- containing protein	1.11399
CNAG_06499	Ppapdc1 protein	1.10954
CNAG_04294	predicted protein	1.10922
CNAG_02293	conserved hypothetical protein	1.10920
CNAG_04219	lactoylglutathione lyase	1.10785
CNAG_05327	predicted protein	1.10437
CNAG_00171	peroxisome assembly protein	1.10290
CNAG_04157	conserved hypothetical protein	1.10264
CNAG_01347	co-chaperone	1.10223

CNAG_07621	conserved hypothetical protein	1.10152
CNAG_01213	conserved hypothetical protein	1.09836
CNAG_05539	conserved hypothetical protein	1.09778
CNAG_04188	O-methyltransferase	1.09750
CNAG_06134	conserved hypothetical protein	1.09723
CNAG_07616	C6 zinc finger domain-containing protein	1.09640
CNAG_06966	conserved hypothetical protein	1.09593
CNAG_03193	conserved hypothetical protein	1.09592
CNAG_07512	conserved hypothetical protein	1.09542
CNAG_00710	glutamine synthetase	1.09459
CNAG_06562	predicted protein	1.09441
CNAG_06806	ETF1	1.09407
CNAG_03660	lipoyltransferase	1.09221
CNAG_07335	L-cystine transporter	1.09100
CNAG_02169	conserved hypothetical protein	1.09067
CNAG_07316	alcohol dehydrogenase	1.08982
CNAG_05677	phospholipase	1.08889
CNAG_02434	copper chaperone	1.08851
CNAG_02172	ubiquitin-protein ligase	1.08847
CNAG_04725	conserved hypothetical protein	1.08842
CNAG_02531	CMGC/MAPK/ERK protein kinase	1.08831
CNAG_07508	conserved hypothetical protein	1.08797
CNAG_07796	uroporphyrin-III C-methyltransferase	1.08793
CNAG_06757	conserved hypothetical protein	1.08776
CNAG_02839	conserved hypothetical protein	1.08726
CNAG_02501	conserved hypothetical protein	1.08502
CNAG_09009	cytochrome oxidase subunit 1	1.08495
CNAG_01279	ubiquitin-conjugating enzyme E2S	1.08469
CNAG_04748	conserved hypothetical protein	1.08432
CNAG_05015	catalase 4	1.08365
CNAG_02724	conserved hypothetical protein	1.08307
CNAG_02771	DNA supercoiling	1.08253
CNAG_05973	serine carboxypeptidase	1.08003
CNAG_01781	conserved hypothetical protein	1.07992
CNAG_07392	hypothetical protein	1.07922
CNAG_05528	conserved hypothetical protein	1.07713
CNAG_06801	conserved hypothetical protein	1.07589
CNAG_04039	iron sulfur cluster assembly protein 1	1.07397
CNAG_01078	aldehyde dehydrogenase	1.07378
CNAG_07866	predicted protein	1.07293
CNAG_00049	conserved hypothetical protein	1.07185
CNAG_02819	vacuolar membrane protein	1.07156
CNAG_01824	transmembrane protein	1.06984
CNAG_03400	oxidoreductase	1.06984
CNAG_05981	conserved hypothetical protein	1.06958
CNAG_04474	monocarboxylic acid transporter	1.06866

CNAG_07718	multidomain RhoGEF	1.06815
CNAG_03771	DNA binding protein Ncp1	1.06613
CNAG_07315	conserved hypothetical protein	1.06503
CNAG_06443	heat shock protein 70	1.06454
CNAG_07632	aspartate aminotransferase	1.06368
CNAG_00909	HAL3B protein	1.06284
CNAG_05479	conserved hypothetical protein	1.06225
CNAG_07742	predicted protein	1.06205
CNAG_02453	conserved hypothetical protein	1.06050
CNAG_03046	conserved hypothetical protein	1.06029
CNAG_00866	transketolase	1.05917
CNAG_01950	conserved hypothetical protein	1.05894
CNAG_07706	conserved hypothetical protein	1.05885
CNAG_00661	conserved hypothetical protein	1.05833
CNAG_04040	AGC/RSK protein kinase	1.05573
CNAG_01977	predicted protein	1.05523
CNAG_02206	predicted protein	1.05349
CNAG_06243	conserved hypothetical protein	1.05337
CNAG_00096	conserved hypothetical protein	1.05010
CNAG_05608	conserved hypothetical protein	1.04966
CNAG_00287	cytoplasmic protein	1.04899
CNAG_07933	hypothetical protein	1.04659
CNAG_04002	Hob3p	1.04479
CNAG_03083	cupin domain-containing protein	1.04012
CNAG_04675	conserved hypothetical protein	1.04003
CNAG_03877	adaptor complex subunit medium chain 3	1.03990
CNAG_07402	pantothenate transporter	1.03916
CNAG_00923	membrane protein	1.03866
CNAG_02872	conserved hypothetical protein	1.03605
CNAG_03738	pantetheine-phosphate adenylyltransferase	1.03571
CNAG_07754	conserved hypothetical protein	1.03455
CNAG_06944	conserved hypothetical protein	1.03452
CNAG_07011	conserved hypothetical protein	1.03411
CNAG_07612	conserved hypothetical protein	1.03396
CNAG_01156	CAP2p	1.03336
CNAG_02362	conserved hypothetical protein	1.03264
CNAG_06791	conserved hypothetical protein	1.03225
CNAG_01987	carbohydrate binding protein	1.03205
CNAG_02283	glucan 1,4-alpha-glucosidase	1.03077
CNAG_03745	predicted protein	1.02990
CNAG_06490	CAMK/CAMKL protein kinase	1.02946
CNAG_02430	ABC transporter ABCC.6	1.02896
CNAG_00851	conserved hypothetical protein	1.02875
CNAG_06482	amidase	1.02813
CNAG_00586	conserved hypothetical protein	1.02618
CNAG_02471	conserved hypothetical protein	1.02601

CNAG_00680	conserved hypothetical protein	1.02508
CNAG_00157	conserved hypothetical protein	1.02459
CNAG_07753	conserved hypothetical protein	1.02409
CNAG_04952	put. CPS1 protein	1.02405
CNAG_04193	conserved hypothetical protein	1.02337
CNAG_03889	conserved hypothetical protein	1.02331
CNAG_03944	chaperone regulator	1.02253
CNAG_00736	exocyst protein	1.02213
CNAG_06592	ubiquitin conjugating enzyme	1.02181
CNAG_00823	cadmium ion transporter	1.02174
CNAG_07531	conserved hypothetical protein	1.02028
CNAG_04622	endoplasmic reticulum protein	1.01935
CNAG_01071	predicted protein	1.01812
CNAG_01790	conserved hypothetical protein	1.01740
CNAG_02548	cobalamin synthesis protein	1.01602
CNAG_05284	conserved hypothetical protein	1.01544
CNAG_05083	esterase/lipase	1.01543
CNAG_05766	endoglucanase C	1.01493
CNAG_00801	conserved hypothetical protein	1.01482
CNAG_03368	microtubule Associated protein	1.01462
CNAG_03719	conserved hypothetical protein	1.01263
CNAG_04479	conserved hypothetical protein	1.01165
CNAG_01081	conserved hypothetical protein	1.01121
CNAG_00328	single-stranded DNA specific endodeoxyribonuclease	1.01055
CNAG_07838	cytoplasmic protein	1.00931
CNAG_05038	conserved hypothetical protein	1.00868
CNAG_05499	conserved hypothetical protein	1.00867
CNAG_02988	acetyltransferase	1.00821
CNAG_04142	tartrate transporter	1.00683
CNAG_06584	conserved hypothetical protein	1.00656
CNAG_00122	alpha-amylase	1.00543
CNAG_07818	conserved hypothetical protein	1.00505
CNAG_03990	conserved hypothetical protein	1.00440
CNAG_04511	conserved hypothetical protein	1.00436
CNAG_07355	conserved hypothetical protein	1.00432
CNAG_02772	conserved hypothetical protein	1.00326
CNAG_05018	conserved hypothetical protein	1.00304
CNAG_07828	predicted protein	1.00185
CNAG_00868	predicted protein	1.00176
CNAG_06463	predicted protein	1.00029
CNAG_03408	conserved hypothetical protein	1.00011