Supplementary figure legends

Figures S1-S5

Figure S1. CNA05460 displays a highly dynamic expression during the unisexual cycle and controls unisexual filamentation in *C. deneoformans*. (A) Time course of expression of CNA05460 mRNA expression, as transcripts per million (TPM), under mating-inducing condition. (B) Expression and localization of Cva1-mCherry during unisexual reproduction. DAPI, 4’,6-diamidino-2-phenylindole. Scale bar, 1 μm. (C) Quantitative evaluation of filamentation frequency of different XL280 α strains. The filamentous mini-colony morphology in various mutants for 22 h at 25°C after induction of mating in the dark. Data are presented as the mean ± SD (n = 3). ND, not detected. ns, not significant (two-tailed Student’s *t*-test). Scale bar, 100 μm.
Figure S2. The absence of Cva1 does not cause remarkable changes in *C. deneoformans* during GlcN-induced filamentation or under various stress conditions. (A) Images of wild-type and the *cva1Δ* strains at the colony level when cultured on GlcN agar for 3 days at 25°C in the dark. Scale bar, 100 μm. (B) Strains were grown overnight on YPD agar at 30°C in the dark, then spotted onto YPD or YP agar containing the following reagents or antifungal drugs: sorbitol, NaCl, KCl, hydrogen peroxide, *tert*-Butyl hydroperoxide, menadione, diamide, hydroxyurea (HU),
SDS, Congo red (CR), DTT, amphotericin B (AMB), fluconazole (FLC), 5-flucytosine (5-FC), or rapamycin (Rap).

**Figure S3.** Cva1 is dispensable for pathogenicity in *C. deneoformans*. (A) Fungal burden in the lungs, brains, livers and kidneys of mice infected with wild-type or mutant fungi was evaluated 14 days after infection. (B) Body weight changes of mice infected through intravenous injection were monitored at different time points. (C) Survival rates of infected mice were monitored for 13 days.
Figure S4. The effect of haemin on bisexual cell fusion in the presence or absence of Cfs1. Unilateral cell fusion frequency of the indicated strains for 15h on V8 medium containing haemin at different concentrations at 25°C in the dark. Data shown are from two independent experiments.
Figure S5. Cfs1 is conserved in the species belonging to Cryptococceae. The protein sequences were aligned using MEGA version 7.0 by the neighbor-joining method.
| Gene ID     | Homolog in JEC2 cva1 Δ(V8) vs WT(V8) P.Val | annotation                           |
|------------|------------------------------------------|--------------------------------------|
| CNXL_000010| CNA00010 0.509905703 0.113628393         | hypothetical protein                  |
| CNXL_000020| CNA00020 0.248780292 0.632998683         | hypothetical protein                  |
| CNXL_000030| CNA00030 -0.248780292 0.632998683         | hypothetical protein                  |
| CNXL_000040| CNA00040 0.251216041 0.654994028         | cation transporter                   |
| CNXL_000050| CNA00050 -0.039586659 0.963266917         | calcium-binding protein              |
| CNXL_000060| CNA00060 -0.270533417 0.623549135         | hypothetical protein                  |
| CNXL_000070| CNA00070 0.293127118 0.480684646         | methionine-tRNA ligase               |
| CNXL_000080| CNA00080 -0.131389572 0.864719008         | prohibitin-2                         |
| CNXL_000090| CNA00090 1.212140501 0.001928327         | hypothetical protein                  |
| CNXL_000100| CNA00100 -0.310688828 0.50345637          | hypothetical protein                  |
| CNXL_000110| CNA00110 0.304342983 0.437062442         | hypothetical protein                  |
| CNXL_000120| CNA00120 0.210084545 0.671905355         | U6 snRNA-associated Sm-like protein LSm5 |
| CNXL_000130| CNA00130 -0.129449412 0.805451003        | hypothetical protein                  |
| CNXL_000140| CNA00140 0.641843114 0.327311741         | hypothetical protein                  |
| CNXL_000150| CNA00150 -0.432866931 0.303744123         | hypothetical protein                  |
| CNXL_000160| CNA00160 0.023990896 0.981240854         | S-adenosylmethionine decarboxylase proenzyme |
| CNXL_000170| CNA00170 0.397915204 0.312497815         | cytochrome c heme-lyase              |
| CNXL_000180| CNA00180 -0.135617283 0.79546523          | hypothetical protein                  |
| CNXL_000190| CNA00190 -0.67182561 0.063707258         | hypothetical protein                  |
| CNXL_000200| CNA00200 -0.109121172 0.861760083         | vacuolar calcium exchanger            |
| CNXL_000210| CNA00210 0.239110851 0.637704309          | kynurenine aminotransferase           |
| CNXL_000220| CNA00220 0.246599293 0.637704309          | transcriptional activator             |
| CNXL_000230| CNA00230 0.44923742 0.647364118           | high-affinity nicotinic acid transporter |
| CNXL_000240| CNA00240 0.258866531 0.683642142         | D-3-phosphoglycerate dehydrogenase    |
| CNXL_000250| CNA00250 0.165313771 0.814730279         | D-3-phosphoglycerate dehydrogenase    |
| CNXL_000260| CNA00260 0.668348959 0.906975702         | hypothetical protein                  |
| CNXL_000270| CNA00270 -0.186204276 0.670494322        | 2                                     |
| CNXL_000280| CNA00280 -2.280425438 4.19782E-14         | large subunit ribosomal protein L9    |
| CNXL_000290| CNA00290 0.977742358 0.002053592         | hypothetical protein                  |
| CNXL_000300| CNA00300 1.056208772 0.001080531         | hypothetical protein                  |
| CNXL_000310| CNA00310 0.24616307 0.584015643           | phosphatidylinositol                  |
| CNXL_000320| CNA00320 -0.454167216 0.290975028         | alcohol dehydrogenase                |
| CNXL_000330| CNA00330 -0.491851032 0.225918409         | hypothetical protein                  |
| CNXL_000340| CNA00340 0.80316025 0.008581942           | lanosterol 14-alpha-demethylase       |
| CNXL_000350| CNA00350 0.824253797 0.005117686         | hypothetical protein                  |
| CNXL_000360| CNA00360 0.575786444 0.120635533         | hypothetical protein                  |
| CNXL_000370| CNA00370 0.060001164 0.939404055          | ribosome assembly protein 1           |
| CNXL_000380| CNA00380 0.086682327 0.889191243          | hypothetical protein                  |
| CNXL_000390| CNA00390 -0.173948975 0.746537956         | 26S proteasome regulatory subunit N8  |
| CNXL_000400| CNA00400 0.148332258 0.802348605          | pyruvate dehydrogenase kinase         |
| CNXL_000410| CNA00410 0.29824892 0.460815133           | sugar transporter                    |
| CNXL_000420| CNA00420 -0.114931673 0.889001755         | hypothetical protein                  |
| CNXL_000430| CNA00430 0.630348885 0.031829912          | hypothetical protein                  |
| CNXL_000440| CNA00440 1.783824274 0.123590227          | hypothetical protein                  |
| CNXL_000450| CNA00450 0.689543085 0.065918831          | hypothetical protein                  |
| CNXL_000460| CNA00460 0.409803666 0.542233933          | hypothetical protein                  |
| CNXL_000470| CNA00470 0.471434812 0.18112051           | hypothetical protein                  |
| CNXL_000480| CNA00480 0.447320455 0.295034424          | hypothetical protein                  |
| CNXL_000490| CNA00490 0.261644253 0.586181879          | hypothetical protein                  |
| CNXL_000500| CNA00500 0.039279763 0.966414864          | fructose-1                            |
| CNXL_000510| CNA00510 -0.074473832 0.924607253         | T-complex protein 1 subunit epsilon   |
| CNXL_000520| CNA00520 0.07836514 0.925523772          | hypothetical protein                  |
| CNXL_000530| CNA00530 -0.18734086 0.781467115          | chaperone regulator                  |
| CNXL_000540| CNA00540 -0.18669831 0.70913058           | citrate synthase                     |
| CNXL_000550| CNA00550 0.043922153 0.957098418          | transcription elongation regulator 1  |
| CNXL_000560| CNA00560 0.036857408 0.965966884          | histone H3                            |
COPII-coated vesicle protein
ran-binding protein 1
membrane protein
sect61 translocation complex protein
specific RNA polymerase II transcription factor
solute carrier family 26
vacuolar protein
protein PNS1
hypothetical protein
protein disulfide-isomerase
nuclear mRNA splicing protein
protein PNS1
hypothetical protein
A/G-specific adenine glycosylase
solute carrier family 26
hypothetical protein
hypothetical protein
protein disulfide-isomerase
hypothetical protein
nuclear mRNA splicing protein
protein PNS1
hypothetical protein
hypothetical protein
hypothetical protein
pre-mRNA-processing factor 6
cytosolic Fe-S cluster assembly factor CFD1
hypothetical protein
histone chaperone ASF1
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
mitochondrial protein
hypothetical protein
NAD-dependent epimerase/dehydratase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
myo-inositol transporter
palmitoyl-protein thioesterase
minichromosome maintenance protein 3
stress-induced-phosphoprotein 1
two-component-like sensor kinase
hypothetical protein
RuvB-like helicase 1
large subunit ribosomal protein L34
hypothetical protein
C-14 sterol reductase
hypothetical protein
hypothetical protein
glycerol-3-phosphate dehydrogenase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
| Gene ID  | Description                                      | Score | p-value     | Function                                      |
|---------|--------------------------------------------------|-------|-------------|-----------------------------------------------|
| CNA01130| 0.650198396 alpha-amylose                        | 0.072401784 |
| CNA01140| 0.20120841 hypothetical protein                  | 0.710705655 |
| CNA01150| -2.569041749 capsule structure designer protein  | 2.16305E-31 |
| CNA01160| -0.372246514 regulator of G-protein signaling    | 0.336948307 |
| CNA01170| 0.143727788 2-deoxy-D-glucuronate 3-dehydrogenase| 0.799344206 |
| CNA01180| 0.527526192 hypothetical protein                 | 0.143054301 |
| CNA01200| -0.029248714 hypothetical protein                | 0.965968884 |
| CNA01220| -0.368556659 alcohol dehydrogenase               | 0.365658793 |
| CNA01230| 0.156944202 hypothetical protein                 | 0.806051382 |
| CNA01240| 0.300377502 hypothetical protein                 | 0.509010612 |
| CNA01250| 0.251252623 hypothetical protein                 | 0.593948746 |
| CNA01260| 0.396419879 cyclophilin                          | 0.25888418 |
| CNA01270| -0.011298221 ubiquitin-activating enzyme E1      | 0.990008547 |
| CNA01280| 1.16593164 ubiquinone biosynthesis methyltransferase | 0.000431951 |
| CNA01290| -0.288907724 hypothetical protein                | 0.532490033 |
| CNA01300| -0.13356863 U1 small nuclear ribonucleoprotein 70kDa | 0.868398587 |
| CNA01310| 0.101712926 hypothetical protein                 | 0.91726998 |
| CNA01320| -0.1828187 hypothetical protein                  | 0.754129745 |
| CNA01330| -0.571239528 hypothetical protein                | 0.185202544 |
| CNA01340| 0.017589402 hypothetical protein                 | 0.986881191 |
| CNA01350| -0.825017526 hypothetical protein                | 0.014736206 |
| CNA01360| 0.143227701 actin-2                              | 0.84693854 |
| CNA01370| -0.0614512 hypothetical protein                  | 0.925523772 |
| CNA01380| -0.155808545 pre-mRNA-processing-splicing factor 8 | 0.78976708 |
| CNA01390| 0.399595897 hypothetical protein                 | 0.227069466 |
| CNA01400| -0.202031981 NADH dehydrogenase                 | 0.645032535 |
| CNA01410| -0.568081127 peptidase                           | 0.293493438 |
| CNA01420| -0.00979691 hypothetical protein                 | 0.998007755 |
| CNA01430| -0.422978882 hypothetical protein                | 0.61517823 |
| CNA01440| 0.795015349 hypothetical protein                 | 0.003196773 |
| CNA01450| 0.769439034 oxidoeductase                        | 0.065805314 |
| CNA01460| -0.721461264 hypothetical protein                | 0.019899342 |
| CNA01470| -0.422466156 zinc finger transcription factor     | 0.193686503 |
| CNA01480| -0.894193891 hypothetical protein                | 0.000570846 |
| CNA01490| -0.283120128 glycosyltransferase                 | 0.510006134 |
| CNA01500| -0.280504104 hypothetical protein                | 0.437062442 |
| CNA01510| 0.358478247 hypothetical protein                 | 0.319872213 |
| CNA01520| 0.847929013 hypothetical protein                 | 0.005798111 |
| CNA01530| 0.124681459 hypothetical protein                 | 0.810224824 |
| CNA01540| 0.086688018 methylthioadenosine phosphorylase     | 0.891760995 |
| CNA01550| -0.017854858 ADP-dependent RNA helicase DBP8     | 0.985173026 |
| CNA01560| -0.086907967 hypothetical protein                | 0.879531297 |
| CNA01570| 0.431296868 hypothetical protein                 | 0.328633829 |
| CNA01580| 0.476411381 hypothetical protein                 | 0.534266237 |
| CNA01590| 0.152744642 kinesin                             | 0.781467115 |
| CNA01600| -0.345089978 hypothetical protein                | 0.541691065 |
| CNA01610| -0.948879231 hypothetical protein                | 0.217267964 |
| CNA01620| -0.69799818 hypothetical protein                 | 0.137357068 |
| CNA01630| -0.023898063 hypothetical protein                | 0.972727243 |
| CNA01640| -1.631813468 glutamate carboxypeptidase          | 0.001233389 |
| CNA01650| -0.354215343 hypothetical protein                | 0.491312112 |
| CNA01660| -3.143931559 DNA repair protein REV1             | 1.92136E-50 |
| CNA01670| 0.96056428 hypothetical protein                  | 0.001095672 |
| CNA01680| 0.383424448 ubiquitin carboxyl-terminal hydrolase L3 | 0.346301684 |
| CNA01690| 0.216730707 hypothetical protein                 | 0.634728039 |
| CNA01700| -0.21961292 hypothetical protein                 | 0.626594366 |
| CNA01710| -0.011471675 hypothetical protein                | 0.990008547 |
| CNA01720| -0.22746682 pre-mRNA cleavage complex 2 protein Pcf11 | 0.606698873 |
| Gene       | Expression | p-value  | Description                              |
|------------|------------|----------|------------------------------------------|
| CNXL_001730| -0.053866544| 0.942099307| hypothetical protein                      |
| CNXL_001740| 0.179043806 | 0.730212038| mitotic spindle organizing protein 1      |
| CNXL_001750| -0.021440327 | 0.982102702| ubiquitin carboxyl-terminal hydrolase     |
| CNXL_001760| 0.160238758 | 0.779355929| endoplasmic reticulum protein             |
| CNXL_001770| 0.467847254  | 0.170587304| hypothetical protein                      |
| CNXL_001780| -0.318711234 | 0.566468698| hypothetical protein                      |
| CNXL_001790| -1.188237636 | 0.000635796| etoposide-induced protein                 |
| CNXL_001800| 0.160238758 | 0.779355929| hypothetical protein                      |
| CNXL_001810| 0.21353045  | 0.613465435| endoplasmic reticulum protein             |
| CNXL_001820| 0.467847254  | 0.170587304| hypothetical protein                      |
| CNXL_001830| 0.153310587 | 0.773509113| hypothetical protein                      |
| CNXL_001840| 1.335547247  | 0.000535754| AP-1 complex subunit gamma-1             |
| CNXL_001850| 0.595728855  | 0.149676606| hypothetical protein                      |
| CNXL_001860| 0.516437687  | 0.298641736| hypothetical protein                      |
| CNXL_001870| 0.175417645  | 0.797485767| hypothetical protein                      |
| CNXL_001880| 0.023113142  | 0.975380213| hypothetical protein                      |
| CNXL_001890| 0.082177385  | 0.885449489| hypothetical protein                      |
| CNXL_001900| 0.019525624  | 0.952399638| hypothetical protein                      |
| CNXL_001910| 0.312911342  | 0.497538021| hypothetical protein                      |
| CNXL_001920| 0.486200316  | 0.18131392 | hypothetical protein                      |
| CNXL_001930| 0.460238445  | 0.779355929| hypothetical protein                      |
| CNXL_001940| 0.467847254  | 0.170587304| hypothetical protein                      |
| CNXL_001950| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_001960| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_001970| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_001980| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_001990| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002000| -0.117746854 | 0.870051341| hypothetical protein                      |
| CNXL_002010| -0.117746854 | 0.870051341| hypothetical protein                      |
| CNXL_002020| -0.117746854 | 0.870051341| hypothetical protein                      |
| CNXL_002030| -0.117746854 | 0.870051341| hypothetical protein                      |
| CNXL_002040| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002050| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002060| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002070| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002080| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002090| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002100| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002110| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002120| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002130| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002140| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002150| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002160| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002170| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002180| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002190| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002200| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002210| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002220| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002230| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002240| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002250| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002260| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002270| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002280| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002290| 0.210146161  | 0.737538678| cystinosin                                |
| CNXL_002300| 0.210146161  | 0.737538678| cystinosin                                |

**Notes:**
- The expression values are given in the format of 
  - expression value
- The p-values are given in the format of 
  - p-value
- The descriptions include various protein and gene functions.
- Hypothetical proteins are indicated in the description column.
- The table includes proteins such as `ubiquitin carboxyl-terminal hydrolase`, `mitotic spindle organizing protein`, and `endoplasmic reticulum protein`.
- The p-values indicate the statistical significance of the protein expression levels.
CNA02790 hypothetical protein
CNA02340 hypothetical protein
CNA02350 hypothetical protein
CNA02360 hypothetical protein
CNA02370 hypothetical protein
CNA02380 hypothetical protein
CNA02390 hypothetical protein
CNA02400 hypothetical protein
CNA02410 hypothetical protein
CNA02420 hypothetical protein
CNA02450 hypothetical protein
CNA02460 hypothetical protein
CNA02470 hypothetical protein
CNA02480 hypothetical protein
CNA02490 hypothetical protein
CNA02500 hypothetical protein
CNA02510 hypothetical protein
CNA02520 hypothetical protein
CNA02530 hypothetical protein
CNA02540 hypothetical protein
CNA02550 hypothetical protein
CNA02560 hypothetical protein
CNA02570 hypothetical protein
CNA02580 hypothetical protein
CNA02590 hypothetical protein
CNA02600 hypothetical protein
CNA02610 hypothetical protein
CNA02620 hypothetical protein
CNA02630 hypothetical protein
CNA02640 hypothetical protein
CNA02650 hypothetical protein
CNA02660 hypothetical protein
CNA02670 hypothetical protein
CNA02680 hypothetical protein
CNA02690 hypothetical protein
CNA02700 hypothetical protein
CNA02710 hypothetical protein
CNA02720 hypothetical protein
CNA02730 hypothetical protein
CNA02740 hypothetical protein
CNA02750 hypothetical protein
CNA02760 hypothetical protein
CNA02770 hypothetical protein
CNA02780 hypothetical protein
CNA02790 hypothetical protein
CNA02800 hypothetical protein
CNA02810 hypothetical protein
CNA02820 hypothetical protein
CNA02830 hypothetical protein
CNA02840 hypothetical protein
CNA02850 hypothetical protein
CNA02860 hypothetical protein

-0.663238319 0.233174199 protein ABR1/2
0.095646073 0.890150525 hypothetical protein
-0.263313568 0.527852637 hypothetical protein
-0.161414531 0.848021859 ras guanyl-nucleotide exchange factor
-0.2032375 0.981240834 hypothetical protein
0.060447708 0.95265881 saccharopine dehydrogenase
-0.647133312 0.208087633 ESCRT-II complex subunit VPS36
-1.31811922 1.46558E-06 hypothetical protein
0.356109156 0.388278926 hypothetical protein
0.072849244 0.933810298 hypothetical protein
0.939259922 0.005692302 transcription elongation factor B
-0.466617426 0.456456998 hypothetical protein
-0.486377259 0.121868248 aspartate-semialdehyde dehydrogenase
-0.044557728 0.958917101 kinesin family member 21A
-0.131959788 0.840398313 Fungal gamma tubulin complex family protein
-0.46191628 0.444875077 hypothetical protein
-0.005016539 0.995735232 hypothetical protein
-3.3134893 2.79915E-44 transformer-2 protein
0.034653174 0.960513489 hypothetical protein
0.294187897 0.521743214 serine/threonine/tyrosine-interacting protein
0.111151062 0.846112002 nuclease I
0.187447554 0.746231737 isopentenyl-diphosphate delta-isomerase
0.025725779 0.984593329 hypothetical protein
-0.284650126 0.532490033 hypothetical protein
0.147967105 0.747332879 acetolactate synthase
-0.306155022 0.450521185 sorbitol dehydrogenase
-0.164930852 0.755040408 mitochondrial protein
0.172205457 0.771763303 INO80 complex subunit C
-0.059323977 0.976006716 hypothetical protein
0.882344295 0.995784948 Unknown
-0.336960137 0.460815133 hypothetical protein
0.158568603 0.761797019 hypothetical protein
0.357126838 0.354037215 hypothetical protein
-0.084392905 0.891600898 hypothetical protein
0.109950614 0.862977858 hypothetical protein
0.166446042 0.750884762 methionine aminopeptidase
0.051137049 0.936783812 hypothetical protein
0.208582357 0.678131584 hypothetical protein
0.006630396 0.992176872 hypothetical protein
-0.328975976 0.391858761 V-type proton ATPase proteolipid subunit 2
-0.214629015 0.676394583 T-complex protein 1 subunit eta
-2.555882966 1.44217E-28 hypothetical protein
0.532536055 0.098237999 efflux protein EncT
-0.042028634 0.951846328 hypothetical protein
-0.105847635 0.842339591 hypothetical protein
0.368402997 0.350570336 cytoplasmic protein
-0.129117775 0.865225322 oligoribonuclease
-0.434935567 0.232645005 hypothetical protein
-0.061821134 0.953095191 aminopeptidase
-0.145810247 0.779355929 hypothetical protein
-0.231608057 0.616413141 zinc finger protein
-0.291978745 0.619100215 G-protein signaling GTPase
-0.511968488 0.453868281 splicing factor 45
0.45651686 0.187505217 hypothetical protein
-0.255443505 0.592413305 heat shock protein
0.159388494 0.814730279 hypothetical protein
-0.035212324 0.965101267 hypothetical protein
0.157630251 0.811287636 DNA repair protein RAD5
| Gene ID   | Description                                                                 |
|----------|------------------------------------------------------------------------------|
| CNA02870 | gamma-tubulin complex component 2                                           |
| CNA02880 | hypothetical protein                                                          |
| CNA02890 | hypothetical protein                                                          |
| CNA02900 | hypothetical protein                                                          |
| CNA02910 | hypothetical protein                                                          |
| CNA02920 | hypothetical protein                                                          |
| CNA02930 | hypothetical protein                                                          |
| CNA02940 | hypothetical protein                                                          |
| CNA02950 | hypothetical protein                                                          |
| CNA02960 | hypothetical protein                                                          |
| CNA02970 | hypothetical protein                                                          |
| CNA02980 | hypothetical protein                                                          |
| CNA02990 | hypothetical protein                                                          |
| CNA03000 | hypothetical protein                                                          |
| CNA03010 | hypothetical protein                                                          |
| CNA03020 | hypothetical protein                                                          |
| CNA03030 | hypothetical protein                                                          |
| CNA03040 | hypothetical protein                                                          |
| CNA03050 | hypothetical protein                                                          |
| CNA03060 | hypothetical protein                                                          |
| CNA03070 | hypothetical protein                                                          |
| CNA03080 | hypothetical protein                                                          |
| CNA03090 | hypothetical protein                                                          |
| CNA03100 | hypothetical protein                                                          |
| CNA03110 | hypothetical protein                                                          |
| CNA03120 | hypothetical protein                                                          |
| CNA03130 | hypothetical protein                                                          |
| CNA03140 | hypothetical protein                                                          |
| CNA03150 | hypothetical protein                                                          |
| CNA03160 | hypothetical protein                                                          |
| CNA03170 | hypothetical protein                                                          |
| CNA03180 | hypothetical protein                                                          |
| CNA03190 | hypothetical protein                                                          |
| CNA03200 | hypothetical protein                                                          |
| CNA03210 | hypothetical protein                                                          |
| CNA03220 | hypothetical protein                                                          |
| CNA03230 | hypothetical protein                                                          |
| CNA03240 | hypothetical protein                                                          |
| CNA03250 | hypothetical protein                                                          |
| CNA03260 | hypothetical protein                                                          |
| CNA03270 | hypothetical protein                                                          |
| CNA03280 | hypothetical protein                                                          |
| CNA03290 | hypothetical protein                                                          |
| CNA03300 | hypothetical protein                                                          |
| CNA03310 | hypothetical protein                                                          |
| CNA03320 | hypothetical protein                                                          |
| CNA03330 | hypothetical protein                                                          |
| CNA03340 | hypothetical protein                                                          |
| CNA03350 | hypothetical protein                                                          |
| CNA03360 | hypothetical protein                                                          |
| CNA03370 | hypothetical protein                                                          |
| CNA03380 | hypothetical protein                                                          |
| CNA03390 | hypothetical protein                                                          |
| CNA03400 | hypothetical protein                                                          |
| CNA03410 | hypothetical protein                                                          |
| CNA03420 | hypothetical protein                                                          |
| CNA03430 | hypothetical protein                                                          |
| CNA03440 | hypothetical protein                                                          |
| CNA03450 | hypothetical protein                                                          |
| CNA03460 | hypothetical protein                                                          |

**Note:** The table includes gene IDs and associated descriptions for various proteins and complexes, with their respective values and descriptions.
| Gene Symbol | Description                                      | Log Fold Change | p-Value   |
|-------------|--------------------------------------------------|----------------|-----------|
| CNXL_003470 | hypothetical protein                             | -0.377519592   | 0.416220794 |
| CNXL_003480 | CNA03380                                        | -0.291469395   | 0.586181879 |
| CNXL_003490 | CNA03390                                        | 0.548001239    | 0.120433754 |
| CNXL_003500 | CNXL_003490                                     | 0.049089015    | 0.95086529  |
| CNXL_003510 | CNA03410                                        | 0.288693735    | 0.576230883 |
| CNXL_003520 | CNA03420                                        | -0.030791041   | 0.965968884 |
| CNXL_003530 | CNA03430                                        | 0.51463637     | 0.120433754 |
| CNXL_003540 | CNA03440                                        | 0.049089015    | 0.95086529  |
| CNXL_003550 | CNA03450                                        | -0.030791041   | 0.965968884 |
| CNXL_003560 | CNA03460                                        | -0.155764593   | 0.781247582 |
| CNXL_003570 | CNA03470                                        | 0.288693735    | 0.576230883 |
| CNXL_003580 | CNA03480                                        | -0.030791041   | 0.965968884 |
| CNXL_003590 | CNA03490                                        | 0.51463637     | 0.120433754 |
| CNXL_003600 | CNA03500                                        | 0.288693735    | 0.576230883 |
| CNXL_003610 | CNA03510                                        | -0.030791041   | 0.965968884 |
| CNXL_003620 | CNA03520                                        | 0.51463637     | 0.120433754 |
| CNXL_003630 | CNA03530                                        | -0.030791041   | 0.965968884 |
| CNXL_003640 | CNA03540                                        | 0.288693735    | 0.576230883 |
| CNXL_003650 | CNA03550                                        | -0.030791041   | 0.965968884 |
| CNXL_003660 | CNA03560                                        | 0.288693735    | 0.576230883 |
| CNXL_003670 | CNA03570                                        | -0.030791041   | 0.965968884 |
| CNXL_003680 | CNA03580                                        | 0.288693735    | 0.576230883 |
| CNXL_003690 | CNA03590                                        | -0.030791041   | 0.965968884 |
| CNXL_003700 | CNA03600                                        | 0.288693735    | 0.576230883 |
| CNXL_003710 | CNA03610                                        | -0.030791041   | 0.965968884 |
| CNXL_003720 | CNA03620                                        | 0.288693735    | 0.576230883 |
| CNXL_003730 | CNA03630                                        | 2.637144045    | 0.818704891 |
| CNXL_003740 | CNA03640                                        | 0.086848011    | 0.894815557 |
| CNXL_003750 | CNA03650                                        | -0.362280255   | 0.416154363 |
| CNXL_003760 | CNA03660                                        | 0.710014841    | 0.037474908 |
| CNXL_003770 | CNA03670                                        | 0.51463637     | 0.120433754 |
| CNXL_003780 | CNA03680                                        | 0.189273405    | 0.918848255 |
| CNXL_003790 | CNA03690                                        | 0.189273405    | 0.918848255 |
| CNXL_003800 | CNA03700                                        | -0.176167568   | 0.719243835 |
| CNXL_003810 | CNA03710                                        | 0.51463637     | 0.120433754 |
| CNXL_003820 | CNA03720                                        | 0.51463637     | 0.120433754 |
| CNXL_003830 | CNA03730                                        | 0.51463637     | 0.120433754 |
| CNXL_003840 | CNA03740                                        | 0.51463637     | 0.120433754 |
| CNXL_003850 | CNA03750                                        | 1.197759973    | 0.227278474 |
| CNXL_003860 | CNA03760                                        | -1.35965921    | 0.00142885 |
| CNXL_003870 | CNA03770                                        | -1.226329727   | 0.119421369 |
| CNXL_003880 | CNA03780                                        | -0.176167568   | 0.719243835 |
| CNXL_003890 | CNA03790                                        | -0.176167568   | 0.719243835 |
| CNXL_003900 | CNA03800                                        | -0.176167568   | 0.719243835 |
| CNXL_003910 | CNA03810                                        | -0.176167568   | 0.719243835 |
| CNXL_003920 | CNA03820                                        | -0.176167568   | 0.719243835 |
| CNXL_003930 | CNA03830                                        | -0.176167568   | 0.719243835 |
| CNXL_003940 | CNA03840                                        | -0.176167568   | 0.719243835 |
| CNXL_003950 | CNA03850                                        | -0.176167568   | 0.719243835 |
| CNXL_003960 | CNA03860                                        | -0.176167568   | 0.719243835 |
| CNXL_003970 | CNA03870                                        | -0.176167568   | 0.719243835 |
| CNXL_003980 | CNA03880                                        | -0.176167568   | 0.719243835 |
| CNXL_003990 | CNA03890                                        | -0.176167568   | 0.719243835 |
| CNXL_004000 | CNA03900                                        | -0.176167568   | 0.719243835 |
| CNXL_004010 | CNA03910                                        | -0.176167568   | 0.719243835 |
| CNXL_004020 | CNA03920                                        | -0.176167568   | 0.719243835 |
| CNXL_004030 | CNA03930                                        | -0.176167568   | 0.719243835 |
| CNXL_004040 | CNA03940                                        | -0.176167568   | 0.719243835 |
| Gene ID   | Description                                                                 |
|-----------|------------------------------------------------------------------------------|
| CNA03940  | -0.280703302 RING zinc finger protein                                        |
| CNA03950  | -0.193388385 ste/ste20/ysk protein kinase                                    |
| CNA03960  | -3.463731009 hypothetical protein                                            |
| CNA03970  | 0.109826073 glyoxyal oxidase                                                 |
| CNA03990  | 0.163702115 serine/threonine-protein phosphatase catalytic subunit           |
| CNA04000  | -0.391880516 hypothetical protein                                            |
| CNA04010  | -0.234487501 hypothetical protein                                            |
| CNA04020  | 0.094985987 glyoxyal oxidase                                                 |
| CNA04030  | -0.050802066 putative oxidoreductase                                         |
| CNA04040  | 0.2807664 cyclin-dependent kinase of PITSLRE subfamily                       |
| CNA04050  | -0.078515531 hypothetical protein                                            |
| CNA04060  | -0.506710146 elongation factor 1-gamma                                       |
| CNA04070  | -0.103320074 S-adenosylmethionine synthase                                   |
| CNA04080  | -0.149030834 DNA polymerase beta subunit                                     |
| CNA04090  | 0.222738363 dolichyl-phosphate mannosyltransferase polypeptide 3             |
| CNA04100  | -0.003003661 charged multivesicular body protein 3                           |
| CNA04110  | -1.159587372 hypothetical protein                                            |
| CNA04120  | 0.491169446 hypothetical protein                                            |
| CNA04130  | 0.070094822 putative oxidoreductase                                         |
| CNA04140  | -0.0627324 hypothetical protein                                              |
| CNA04150  | 0.089285345 hypothetical protein                                            |
| CNA04160  | -0.247162863 charged multivesicular body protein 3                           |
| CNA04170  | -1.159587372 hypothetical protein                                            |
| CNA04180  | 0.533352553 inosine-5'-monophosphate dehydrogenase                           |
| CNA04190  | -0.063373043 cyclin                                                         |
| CNA04200  | -0.471628633 Atypical/ABC1/ABC1-C protein kinase                             |
| CNA04210  | -0.223659329 hypothetical protein                                            |
| CNA04220  | 0.533352553 hypothetical protein                                            |
| CNA04230  | 0.041169446 hypothetical protein                                            |
| CNA04240  | -0.070094822 hypothetical protein                                            |
| CNA04250  | -0.063373043 hypothetical protein                                            |
| CNA04260  | -0.251631224 hypothetical protein                                            |
| CNA04270  | 0.353352553 hypothetical protein                                            |
| CNA04280  | -0.063373043 hypothetical protein                                            |
| CNA04290  | -0.251631224 hypothetical protein                                            |
| CNA04300  | 0.533352553 hypothetical protein                                            |
| CNA04310  | -0.251631224 hypothetical protein                                            |
| CNA04320  | 0.041169446 hypothetical protein                                            |
| CNA04330  | 0.533352553 hypothetical protein                                            |
| CNA04340  | 0.041169446 hypothetical protein                                            |
| CNA04350  | -0.251631224 hypothetical protein                                            |
| CNA04360  | 0.533352553 hypothetical protein                                            |
| CNA04370  | 0.533352553 hypothetical protein                                            |
| CNA04380  | 0.353352553 hypothetical protein                                            |
| CNA04390  | -0.063373043 hypothetical protein                                            |
| CNA04400  | -0.471628633 hypothetical protein                                            |
| CNA04410  | -0.251631224 hypothetical protein                                            |
| CNA04420  | -0.193388385 hypothetical protein                                            |
| CNA04430  | 0.226627999 hypothetical protein                                            |
| CNA04440  | 0.226627999 hypothetical protein                                            |
| CNA04450  | 0.226627999 hypothetical protein                                            |
| CNA04460  | 0.226627999 hypothetical protein                                            |
| CNA04470  | 0.226627999 hypothetical protein                                            |
| CNA04480  | 0.226627999 hypothetical protein                                            |
| CNA04490  | 0.226627999 hypothetical protein                                            |
| CNA04500  | -0.251631224 hypothetical protein                                            |
| CNA04510  | 0.226627999 hypothetical protein                                            |
| CNA04520  | 0.226627999 hypothetical protein                                            |
| CNA04530  | 0.226627999 hypothetical protein                                            |
| CNA04540  | 0.226627999 hypothetical protein                                            |
| CNA04550  | 0.226627999 hypothetical protein                                            |
| CNA04560  | 0.226627999 hypothetical protein                                            |
| CNA04570  | 0.226627999 hypothetical protein                                            |
| CNA04580  | 0.226627999 hypothetical protein                                            |
| CNA04590  | 0.226627999 hypothetical protein                                            |
| CNA04600  | 0.226627999 hypothetical protein                                            |
| CNA04610  | 0.226627999 hypothetical protein                                            |
| CNA04620  | 0.226627999 hypothetical protein                                            |
| Gene ID       | Symbol  | Description                                                                 |
|--------------|---------|-----------------------------------------------------------------------------|
| CNA04490     |         | hypothetical protein                                                         |
| CNA04500     |         | hypothetical protein                                                         |
| CNA04510     |         | endoplasmic reticulum protein                                                |
| CNA04520     |         | charged multivesicular body protein 1                                       |
| CNA04540     |         | mitochondrial protein                                                        |
| CNA04550     |         | hypothetical protein                                                         |
| CNA04560     |         | hypothetical protein                                                         |
| CNA04570     |         | hypothetical protein                                                         |
| CNA04580     |         | hypothetical protein                                                         |
| CNA04590     |         | hypothetical protein                                                         |
| CNA04600     |         | hypothetical protein                                                         |
| CNA04610     |         | hypothetical protein                                                         |
| CNA04620     |         | hypothetical protein                                                         |
| CNA04630     |         | hypothetical protein                                                         |
| CNA04640     |         | hypothetical protein                                                         |
| CNA04650     |         | hypothetical protein                                                         |
| CNA04660     |         | hypothetical protein                                                         |
| CNA04670     |         | hypothetical protein                                                         |
| CNA04680     |         | hypothetical protein                                                         |
| CNA04690     |         | hypothetical protein                                                         |
| CNA04700     |         | hypothetical protein                                                         |
| CNA04710     |         | hypothetical protein                                                         |
| CNA04720     |         | hypothetical protein                                                         |
| CNA04730     |         | hypothetical protein                                                         |
| CNA04740     |         | hypothetical protein                                                         |
| CNA04750     |         | hypothetical protein                                                         |
| CNA04760     |         | hypothetical protein                                                         |
| CNA04770     |         | hypothetical protein                                                         |
| CNA04780     |         | hypothetical protein                                                         |
| CNA04790     |         | hypothetical protein                                                         |
| CNA04800     |         | actin                                                                        |
| CNA04810     |         | hypothetical protein                                                         |
| CNA04820     |         | hypothetical protein                                                         |
| CNA04830     |         | hypothetical protein                                                         |
| CNA04840     |         | hypothetical protein                                                         |
| CNA04850     |         | hypothetical protein                                                         |
| CNA04860     |         | hypothetical protein                                                         |
| CNA04870     |         | hypothetical protein                                                         |
| CNA04880     |         | hypothetical protein                                                         |
| CNA04890     |         | hypothetical protein                                                         |
| CNA04900     |         | hypothetical protein                                                         |
| CNA04910     |         | hypothetical protein                                                         |
| CNA04920     |         | hypothetical protein                                                         |
| CNA04930     |         | hypothetical protein                                                         |
| CNA04940     |         | hypothetical protein                                                         |
| CNA04950     |         | hypothetical protein                                                         |
| CNA04960     |         | hypothetical protein                                                         |
| CNA04970     |         | hypothetical protein                                                         |
| CNA04980     |         | hypothetical protein                                                         |
| CNA04990     |         | hypothetical protein                                                         |
| CNA05000     |         | hypothetical protein                                                         |
| CNA05010     |         | hypothetical protein                                                         |
| CNA05020     |         | hypothetical protein                                                         |
| CNA05030     |         | hypothetical protein                                                         |
| CNA05040     |         | hypothetical protein                                                         |
| CNA05050     |         | hypothetical protein                                                         |
| CNA05060     |         | hypothetical protein                                                         |
| CNA05070     |         | hypothetical protein                                                         |
| CNA05080     |         | hypothetical protein                                                         |
| CNA05090     |         | hypothetical protein                                                         |
| CNA05100     |         | hypothetical protein                                                         |
| CNA05110     |         | hypothetical protein                                                         |
| CNA05120     |         | hypothetical protein                                                         |
| CNA05130     |         | mitochondrial carrier protein                                                |
| CNA05140     |         | hypothetical protein                                                         |
| CNA05150     |         | hypothetical protein                                                         |
| CNA05160     |         | peroxisomal signal                                                           |
| CNA05170     |         | hypothetical protein                                                         |
| CNA05180     |         | oxidoreductase                                                               |
| CNA05190     |         | hypothetical protein                                                         |
| CNA05200     |         | hypothetical protein                                                         |
| CNA05210     |         | hypothetical protein                                                         |
| Gene ID | Description                                                                 |
|--------|------------------------------------------------------------------------------|
| CNXL_005210 | CNA05050 0.131172919 0.817237481 C2 domain-containing protein               |
| CNXL_005220 | CNA05070 -0.174208766 0.700912881 hypothetical protein                      |
| CNXL_005230 | CNA05080 0.163970416 0.843283188 dynne light intermediate chain 1           |
| CNXL_005240 | CNA05090 -0.374216813 0.337023834 hypothetical protein                      |
| CNXL_005250 | CNA05100 0.122605874 0.830826702 translation initiation factor eIF-2B subunit epsilon |
| CNXL_005260 | CNA05110 -0.102988389 0.846287172 WD-repeat protein 23                      |
| CNXL_005270 | CNA05120 0.342063743 0.36810585 sulfite transporter                         |
| CNXL_005280 | CNA05130 0.468267818 0.208728595 hypothetical protein                       |
| CNXL_005290 | CNA05140 0.505010144 0.260596728 p-type ATPase sodium pump                  |
| CNXL_005300 | CNA05150 0.17991397 0.72158924 hypothetical protein                         |
| CNXL_005310 | CNA05160 0.186408849 0.683247689 hypothetical protein                       |
| CNXL_005320 | CNA05160 -0.13666943 0.746765994 hypothetical protein                       |
| CNXL_005330 | CNA05170 -0.035629319 0.965101267 hypothetical protein                      |
| CNXL_005340 | CNA05180 -0.041271847 0.95086529 large subunit ribosomal protein L16        |
| CNXL_005350 | CNA05200 -0.849574403 0.016212628 hypothetical protein                      |
| CNXL_005360 | CNA05210 -0.681775366 0.13633492 carnitine O-acetyltransferase              |
| CNXL_005370 | CNA05220 -0.284481196 0.499530076 hypothetical protein                      |
| CNXL_005380 | CNA05220 -0.128139298 0.872448157 hypothetical protein                      |
| CNXL_005390 | CNA05240 0.143000403 0.85590646 membrane transporter                        |
| CNXL_005400 | CNA05250 0.552588721 0.081873342 pantothenate transporter                   |
| CNXL_005410 | CNA05260 0.343044637 0.509453385 dimethylamine monooxygenase                |
| CNXL_005420 | CNA05270 0.051852172 0.936783812 salicylate hydroxylase                     |
| CNXL_005430 | CNA05280 -0.146054834 0.856294543 hypothetical protein                      |
| CNXL_005440 | CNA05280 -0.417689224 0.586181879 hypothetical protein                      |
| CNXL_005450 | CNA05280 -0.23053174 0.637704309 hypothetical protein                      |
| CNXL_005460 | CNA05290 -0.185326281 0.704832822 cohesin loading factor subunit SCC2       |
| CNXL_005470 | CNA05310 0.023736885 0.972638293 putative chitin synthase                    |
| CNXL_005480 | CNA05320 0.141615578 0.812703517 hypothetical protein                       |
| CNXL_005490 | CNA05320 -0.107211114 0.912477825 hypothetical protein                      |
| CNXL_005500 | CNA05330 -0.079078044 0.936507583 hypothetical protein                      |
| CNXL_005510 | CNA05330 0.003618853 0.996158838 hypothetical protein                       |
| CNXL_005520 | CNA05330 0.029004477 0.984103354 poly                                        |
| CNXL_005530 | CNA05330 0.262180278 0.771763303 hypothetical protein                       |
| CNXL_005540 | CNA05330 1.287364315 0.000890328 hypothetical protein                       |
| CNXL_005550 | CNA05330 -0.207131043 0.822421189 hypothetical protein                      |
| CNXL_005560 | CNA05330 -0.151829799 0.813394551 hypothetical protein                      |
| CNXL_005570 | CNA05330 1.30687055 7.57076E-05 hypothetical protein                         |
| CNXL_005580 | CNA05330 0.59069831 0.05908683 calcium activated cation channel protein     |
| CNXL_005590 | CNA05330 0.178902158 0.760551033 inositol phosphorylphingolipid-phospholipase C |
| CNXL_005600 | CNA05330 -0.650003939 0.509150754 hypothetical protein                      |
| CNXL_005610 | CNA05340 -0.007221041 0.992176872 casein kinase I                           |
| CNXL_005620 | CNA05341 -0.34870853 0.430213834 U6 snRNA-associated Sm-like protein LSm8   |
| CNXL_005630 | CNA05341 0.134759701 0.805451003 hypothetical protein                      |
| CNXL_005640 | CNA05341 0.25914871 0.560646266 hypothetical protein                        |
| CNXL_005650 | CNA05341 -0.004413934 0.995735232 hypothetical protein                      |
| CNXL_005660 | CNA05341 0.136194218 0.813601278 histone acetyltransferase type B catalytic subunit |
| CNXL_005670 | CNA05341 1.189577006 0.000348843 hypothetical protein                       |
| CNXL_005680 | CNA05341 -1.904800006 7.45636E-10 hypothetical protein                      |
| CNXL_005690 | CNA05341 0.103564638 0.86109985 hypothetical protein                        |
| CNXL_005700 | CNA05348 0.843103838 0.002917789 dynamin GTPase                            |
| CNXL_005710 | CNA05348 -0.101201795 0.856469734 DNA ligase I                             |
| CNXL_005720 | CNA05348 0.850724571 0.006384724 WD40 repeat protein                       |
| CNXL_005730 | CNA05350 0.219235217 0.662943154 hypothetical protein                      |
| CNXL_005740 | CNA05351 0.223774424 0.592954724 hypothetical protein                      |
| CNXL_005750 | CNA05351 0.257642557 0.552790986 hypothetical protein                      |
| CNXL_005760 | CNA05351 0.257642557 0.552790986 hypothetical protein                      |
| CNXL_005770 | CNA05351 0.299713822 0.532274144 hypothetical protein                      |
| CNXL_005780 | CNA05351 0.257642557 0.552790986 hypothetical protein                      |
| Gene Symbol | log2 Fold Change | p-value | Description |
|-------------|-----------------|---------|-------------|
| DNA excision repair protein ERCC-2 | -0.17440149 | 0.730212038 | DNA excision repair protein ERCC-2 |
| NADH dehydrogenase | 0.176707693 | 0.725978857 | NADH dehydrogenase |
| amino acid/metabolite permease | 1.49053406 | 2.92983E-05 | amino acid/metabolite permease |
| hypothetical protein | 1.673230608 | 7.78804E-06 | hypothetical protein |
| vacuolar transporter chaperone 1 | 0.607525497 | 0.063742019 | hypothetical protein |
| mitochondrial protein | 0.390538323 | 0.500319755 | mitochondrial protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| vacuolar transporter chaperone 1 | -0.12357588 | 0.820247927 | hypothetical protein |
| hypothetical protein | 0.607525497 | 0.063742019 | hypothetical protein |
| vacuolar transporter chaperone 1 | 0.390538323 | 0.500319755 | mitochondrial protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
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| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
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| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
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| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
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| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| hypothetical protein | 0.302009272 | 0.681796222 | hypothetical protein |
| Gene ID     | Description                                      | Expression Value | Fold Change | p-value |
|------------|--------------------------------------------------|------------------|-------------|---------|
| CNA06110   | cytoplasmic protein                              | -0.031287328     | 0.965101267 | Unknown |
| CNA06380   | hypothetical protein                              | -0.132505296     | 0.797709591 |          |
| CNA06390   | hypothetical protein                              | -0.289050236     | 0.523358959 |          |
| CNA06400   | hypothetical protein                              | -0.140131642     | 0.795111334 |          |
| CNA06410   | hypothetical protein                              | -0.124159412     | 0.817518655 |          |
| CNA06420   | cytoplasmic protein                              | -0.598004427     | 0.156637331 |          |
| CNA06430   | hypothetical protein                              | 0.20054458       | 0.672636996 | CDC7 protein kinase |
| CNA06440   | hypothetical protein                              | 0.895417244      | 0.001546193 | cystathionine beta-synthase |
| CNA06450   | hypothetical protein                              | -10.8055721      | 0.879713683 | GTPase |
| CNA06460   | hypothetical protein                              | -0.036624799     | 0.956622745 | OUCH decarboxylase |
| CNA06470   | hypothetical protein                              | -0.241797204     | 0.624278162 | small subunit ribosomal protein S4-A |
| CNA06480   | hypothetical protein                              | -1.115935225     | 0.000258781 | transcription elongation factor SPT5 |
| CNA06490   | hypothetical protein                              | -0.424412221     | 0.332119185 |          |
| CNA06500   | hypothetical protein                              | -0.200622722     | 0.796334467 |          |
| CNA06510   | hypothetical protein                              | -0.138649193     | 0.869656381 |          |
| CNA06520   | hypothetical protein                              | -0.327764459     | 0.45681383  |          |
| CNA06530   | hypothetical protein                              | -0.406214543     | 0.241458451 |          |
| CNA06540   | hypothetical protein                              | 0.759129576      | 0.03627015  |          |
| CNA06550   | hypothetical protein                              | -0.344866827     | 0.483067762 | esterase/lipase |
| CNA06560   | hypothetical protein                              | -0.253981849     | 0.591488032 | tryptophan synthase |
| CNA06570   | hypothetical protein                              | -0.217121351     | 0.667369865 |          |
| CNA06580   | hypothetical protein                              | -0.86600021      | 0.002138362 |          |
| CNA06590   | hypothetical protein                              | -3.190982766     | 7.14433E-22 |          |
| CNA06600   | hypothetical protein                              | 1.616837739      | 0.016212628 |          |
| CNA06610   | hypothetical protein                              | -0.0709135       | 0.906291044 |          |
| CNA06620   | hypothetical protein                              | -0.229122534     | 0.568883048 | large subunit acidic ribosomal protein P1 |
| CNA06630   | hypothetical protein                              | 0.525700362      | 0.616439959 |          |
| CNA06640   | hypothetical protein                              | -0.270661134     | 0.71157929  |          |
| CNA06650   | hypothetical protein                              | -0.074149311     | 0.939255348 |          |
| CNA06660   | hypothetical protein                              | -0.105965452     | 0.900330972 | TFIIH basal transcription factor complex TTD-A subunit |
| CNA06670   | histone deacetylase HOS3                          | 0.002009006      | 0.997553627 |          |
| CNA06680   | hypothetical protein                              | 0.195624661      | 0.688968135 |          |
| CNA06690   | hypothetical protein                              | -0.248711013     | 0.714109991 | carboxymethylbutenolidase |
| CNA06700   | hypothetical protein                              | -0.312296445     | 0.690752287 |          |
| CNA06710   | hypothetical protein                              | 0.110476717      | 0.846287172 |          |
| CNA06720   | hypothetical protein                              | -0.173285987     | 0.78519633  |          |
| CNA06730   | hypothetical protein                              | -0.179236774     | 0.779355929 | nucleoporin nsp1 |
| CNA06740   | hypothetical protein                              | 0.184916107      | 0.678131584 |          |
| CNA06750   | hypothetical protein                              | -0.863636812     | 0.019801897 |          |
| CNA06760   | hypothetical protein                              | -0.323506594     | 0.441275494 |          |
| CNA06770   | hypothetical protein                              | 0.568061022      | 0.107353814 |          |
| CNA06780   | hypothetical protein                              | -0.130168086     | 0.78773562  |          |
| CNA06790   | hypothetical protein                              | 0.191973238      | 0.718337881 | small subunit ribosomal protein S11 |
| CNA06800   | hypothetical protein                              | 0.155815078      | 0.819555276 |          |
| CNA06810   | hypothetical protein                              | -0.184539507     | 0.73464097  |          |
| CNA06820   | hypothetical protein                              | 0.3748212        | 0.305163836 | carnitine/acyl carnitine carrier |
| CNA06830   | hypothetical protein                              | -0.491295904     | 0.388422979 | ESCRT-I complex subunit VPS28 |
| CNA06840   | hypothetical protein                              | 0.251580446      | 0.701325477 | E3 ubiquitin-protein ligase UHRF1 |
| CNA06850   | hypothetical protein                              | 0.018918006      | 0.981567052 |          |
| CNA06860   | hypothetical protein                              | 0.480251737      | 0.105763986 | urease accessory protein |
| CNA06870   | hypothetical protein                              | 0.08573757       | 0.885449489 |          |
| CNA06880   | hypothetical protein                              | 0.524663371      | 0.176678435 | kinetochore protein Nuf2 |
| CNA06890   | hypothetical protein                              | -0.232315763     | 0.719248355 | condensin complex subunit 3 |
| CNA06900   | hypothetical protein                              | -0.274188712     | 0.540948602 | Unknown |
| CNA06910   | hypothetical protein                              | -0.134869548     | 0.812003184 | Unknown |
| CNA06920   | hypothetical protein                              | -0.369910042     | 0.404910404 | kinesin |
| CNA06930   | hypothetical protein                              | -0.076159696     | 0.918375149 | Unknown |
| CNA06940   | hypothetical protein                              | 0.656629279      | 0.39871976  | CMG5/CLK protein kinase |
| Gene  | Description                                                                 | Log2FoldChange | p-value       |
|-------|-----------------------------------------------------------------------------|----------------|---------------|
| CNA08340 | hypothetical protein                                                        | 0.16462463     | 0.811154336   |
| CNA08350 | hypothetical protein                                                        | -0.542574594   | 0.893955723   |
| CNA08360 | UDP-glucose 4-epimerase                                                     | 0              | NA            |
| CNA08370 | hypothetical protein                                                        | NA             | NA            |
| CNA08380 | hypothetical protein                                                        | 1.063038967     | 0.003552024   |
| CNA08390 | hypothetical protein                                                        | -0.233679763    | 0.631694508   |
| CNA08400 | hypothetical protein                                                        | 0              | NA            |
| CNA08410 | hypothetical protein                                                        | -0.630702489    | 0.146723052   |
| CNA08420 | hypothetical protein                                                        | 0.217000228     | 0.700912881   |
| CNA08430 | hypothetical protein                                                        | 1.08680261      | 0.001721315   |
| CNA08440 | hypothetical protein                                                        | -0.03946128     | 0.958454641   |
| CNA08450 | hypothetical protein                                                        | 0.000645247     | 0.998287442   |
| CNA08460 | hypothetical protein                                                        | -1.526499937    | 3.55761E-06   |
| CNA08470 | hypothetical protein                                                        | -1.513066361    | 6.654548E-06  |
| CNA08480 | hypothetical protein                                                        | -0.10375439     | 0.937834503   |
| CNA08490 | hypothetical protein                                                        | 0.19132151      | 0.987160302   |
| CNA08500 | hypothetical protein                                                        | -0.282502235    | 0.74334347    |
| CNA08510 | hypothetical protein                                                        | 1.22603614      | 0.000367053   |
| CNA08520 | hypothetical protein                                                        | 0.282502235     | 0.74334347    |
| CNA08530 | hypothetical protein                                                        | 1.1209117       | 0.000571402   |
| CNA08540 | hypothetical protein                                                        | 0.591151031     | 0.058935438   |
| CNA08550 | hypothetical protein                                                        | -0.496312833    | 0.78519633    |
| CNA08560 | hypothetical protein                                                        | -0.566612927    | 0.78519633    |
| Gene Accession | Score | Description |
|---------------|-------|-------------|
| CNXL_009320   | 0.427659983 | hypothetical protein |
| CNXL_009330   | 0.490137012 | hypothetical protein |
| CNXL_009340   | 0.260858999 | hypothetical protein |
| CNXL_009350   | 0.028553564 | hypothetical protein |
| CNXL_009360   | -0.080765155 | hypothetical protein |
| CNXL_009370   | 0.182022599 | hypothetical protein |
| CNXL_009400   | 0.184039817 | hypothetical protein |
| CNXL_009410   | 0.337113711 | hypothetical protein |
| CNXL_009420   | 0.341106706 | hypothetical protein |
| CNXL_009430   | -0.349391326 | hypothetical protein |
| CNXL_009440   | 0.035008446 | hypothetical protein |
| CNXL_009450   | 0.315035242 | hypothetical protein |
| CNXL_009460   | 0.405324105 | hypothetical protein |
| CNXL_009470   | -0.257095811 | hypothetical protein |
| CNXL_009480   | 0.463944625 | hypothetical protein |
| CNXL_009490   | 0.267723285 | hypothetical protein |
| CNXL_009500   | 0.228440658 | hypothetical protein |
| CNXL_009510   | 0.258099533 | hypothetical protein |
| CNXL_009520   | -0.0846512 | similar to glycogen synthase kinase |
| CNXL_009530   | -1.233162926 | hypothetical protein |
| CNXL_009540   | 0.22408615 | hypothetical protein |
| CNXL_009550   | -0.08553693 | hypothetical protein |
| CNXL_009560   | 0.005144423 | hypothetical protein |
| CNXL_009570   | -0.117431254 | hypothetical protein |
| CNXL_009580   | -0.315746746 | hypothetical protein |
| CNXL_009590   | -0.012522567 | hypothetical protein |
| CNXL_009600   | 0.170587304 | hypothetical protein |
| CNXL_009610   | 0.11567467 | hypothetical protein |
| CNXL_009620   | 0.234215073 | hypothetical protein |
| CNXL_009630   | -0.081124341 | hypothetical protein |
| CNXL_009640   | -0.218267942 | hypothetical protein |
| CNXL_009650   | 0.08174023 | hypothetical protein |
| CNXL_009660   | -0.174743897 | hypothetical protein |
| CNXL_009670   | -0.37224704 | hypothetical protein |
| CNXL_009680   | 0.024112506 | hypothetical protein |
| CNXL_009690   | 0.434901644 | hypothetical protein |
| CNXL_009700   | 0.601192067 | hypothetical protein |
| CNXL_009710   | 0.170712686 | hypothetical protein |
| CNXL_009720   | 0.190772936 | hypothetical protein |
| CNXL_009730   | 0.151752441 | hypothetical protein |
| CNXL_009740   | -0.70711943 | hypothetical protein |
| CNXL_009750   | 0.588385688 | hypothetical protein |
| CNXL_009760   | -1.28357933 | hypothetical protein |
| CNXL_009770   | -1.221139787 | hypothetical protein |
| CNXL_009780   | 0.40973412 | hypothetical protein |
| CNXL_009790   | 0.261317114 | hypothetical protein |
| CNXL_009800   | 0.033968634 | hypothetical protein |
| CNXL_009810   | 0.189726514 | hypothetical protein |
| CNXL_009820   | -0.424750999 | hypothetical protein |
| CNXL_009830   | -2.330684691 | hypothetical protein |
| CNXL_009840   | -0.142207009 | hypothetical protein |
| Gene Accession  | Gene Symbol | Gene Name                                      | Log2 FC | P-Value    |
|----------------|-------------|------------------------------------------------|---------|------------|
| CNXL_009850    | CNB01050    | hypothetical protein                           | -0.1256 | 0.8050309  |
| CNXL_009860    | CNB01060    | U3 small nucleolar RNA-associated protein 5    | -0.0570 | 0.939400455|
| CNXL_009870    | CNB01070    | ATP-dependent RNA helicase HAS1                | 0.1968  | 0.678724355|
| CNXL_009880    | CNB01080    | mRNA 3'-end-processing protein YTH1           | -0.2165 | 0.754070285|
| CNXL_009890    | CNB01090    | hypothetical protein                           | -0.5121 | 0.18027341 |
| CNXL_009900    | CNB01100    | hypothetical protein                           | -0.0161 | 0.990008547|
| CNXL_009910    | CNB01110    | hypothetical protein                           | 0.3772  | 0.402210452|
| CNXL_009920    | CNB01120    | hypothetical protein                           | 0.1968  | 0.678724355|
| CNXL_009930    | CNB01130    | hypothetical protein                           | 0.4241  | 0.678724355|
| CNXL_009940    | CNB01140    | hypothetical protein                           | -0.3824 | 0.499141665|
| CNXL_009950    | CNB01150    | hypothetical protein                           | -0.2203 | 0.677970373|
| CNXL_009960    | CNB01160    | threonine synthase                             | 0.2098  | 0.754070285|
| CNXL_009970    | CNB01170    | hypothetical protein                           | 0.2250  | 0.61868301 |
| CNXL_009980    | CNB01180    | hypothetical protein                           | -0.0570 | 0.939400455|
| CNXL_009990    | CNB01190    | hypothetical protein                           | 0.1099  | 0.955597787|
| CNXL_010000    | CNB01200    | hypothetical protein                           | 0.1099  | 0.955597787|
| CNXL_010010    | CNB01210    | hypothetical protein                           | -0.0339 | 0.897040428|
| CNXL_010020    | CNB01220    | hypothetical protein                           | -0.4370 | 0.365333703|
| CNXL_010030    | CNB01230    | hypothetical protein                           | 0.1169  | 0.819551095|
| CNXL_010040    | CNB01240    | cyclophilin A                                  | -0.4097 | 0.39343978 |
| CNXL_010050    | CNB01250    | hypothetical protein                           | 0.05179| 0.990008547|
| CNXL_010060    | CNB01260    | hypothetical protein                           | -0.1100 | 0.855455189|
| CNXL_010070    | CNB01270    | cyclophilin A                                  | 0.0347  | 0.965101267|
| CNXL_010080    | CNB01280    | hypothetical protein                           | -0.1805 | 0.761797019|
| CNXL_010090    | CNB01290    | actin cross-linking protein                    | 0.30336| 0.645982809|
| CNXL_010100    | CNB01300    | cyclophilin A                                  | 0.3540  | 0.417588807|
| CNXL_010110    | CNB01310    | hypothetical protein                           | -0.2374 | 0.956226424|
| CNXL_010120    | CNB01320    | hypothetical protein                           | -2.2087 | 0.014472633|
| CNXL_010130    | CNB01330    | hypothetical protein                           | 0.78145| 0.001985588|
| CNXL_010140    | CNB01340    | hypothetical protein                           | 0.57239| 0.172738218|
| CNXL_010150    | CNB01350    | hypothetical protein                           | 0.06897| 0.92988625 |
| CNXL_010160    | CNB01360    | hypothetical protein                           | -0.3250 | 0.544657787|
| CNXL_010170    | CNB01370    | hypothetical protein                           | -3.2186 | 8.31691E-29 |
| CNXL_010180    | CNB01380    | hypothetical protein                           | -0.82566| 0.005277971|
| CNXL_010190    | CNB01390    | hypothetical protein                           | 0.76038| 0.057184294|
| CNXL_010200    | CNB01400    | ATP-dependent DNA helicase                     | 0.60312| 0.990247305|
| CNXL_010210    | CNB01410    | hypothetical protein                           | 0.48372| 0.195436707|
| CNXL_010220    | CNB01420    | hypothetical protein                           | 0.04464| 0.956449152|
| CNXL_010230    | CNB01430    | hypothetical protein                           | 0.11786| 0.865225322|
| CNXL_010240    | CNB01440    | hypothetical protein                           | -0.36034| 0.313088732|
| CNXL_010250    | CNB01450    | hypothetical protein                           | 0.29412| 0.683247689|
| CNXL_010260    | CNB01460    | hypothetical protein                           | 0.29269| 0.593883843|
| CNXL_010270    | CNB01470    | hypothetical protein                           | -0.13983| 0.780191388|
| CNXL_010280    | CNB01480    | hypothetical protein                           | -0.57064| 0.143124598|
| CNXL_010290    | CNB01490    | capsule related protein                        | 0.06618| 0.92070335 |
| CNXL_010300    | CNB01500    | hypothetical protein                           | 0.11574| 0.877313027|
| CNXL_010310    | CNB01510    | UDP-glucose:glycoprotein glucosyltransferase   | -0.44286| 0.084687783|
| CNXL_010320    | CNB01520    | hypothetical protein                           | 0.04194| 0.95086529 |
| CNXL_010330    | CNB01530    | hypothetical protein                           | 0.06420| 0.937834503|
| CNXL_010340    | CNB01540    | hypothetical protein                           | -0.06512| 0.9274899 |
| CNXL_010350    | CNB01550    | hypothetical protein                           | -0.53346| 0.203820014|
| CNXL_010360    | CNB01560    | ATP-dependent DNA helicase                     | -1.42907| 2.48089E-05 |
| CNXL_010370    | CNB01570    | hypothetical protein                           | 0.39324| 0.613291613|
| CNXL_010380    | CNB01580    | hypothetical protein                           | -0.72960| 0.908234449|
| CNXL_010390    | CNB01590    | hypothetical protein                           | -0.08057| 0.926407741|
| CNXL_010400    | CNB01600    | hypothetical protein                           | 0.31372| 0.551883314|
| Gene ID | Description                                      |
|--------|--------------------------------------------------|
| CNXL_010430 | DNA replication regulator DPB11                   |
| CNXL_010440 | lipoyl-protein ligase A                           |
| CNXL_010450 | hypothetical protein                              |
| CNXL_010460 | hypothetical protein                              |
| CNXL_010470 | L-lactate dehydrogenase                          |
| CNXL_010480 | putative nickel transporter                       |
| CNXL_010490 | ATP-dependent RNA helicase DDX35                 |
| CNXL_010500 | hypothetical protein                              |
| CNXL_010510 | hypothetical protein                              |
| CNXL_010520 | hypothetical protein                              |
| CNXL_010530 | hypothetical protein                              |
| CNXL_010540 | hypothetical protein                              |
| CNXL_010550 | hypothetical protein                              |
| CNXL_010560 | BET3 family protein                              |
| CNXL_010570 | oxoglutarate dehydrogenase                       |
| CNXL_010580 | putative protein                                 |
| CNXL_010590 | putative protein                                 |
| CNXL_010600 | putative protein                                 |
| CNXL_010610 | putative protein                                 |
| CNXL_010620 | putative protein                                 |
| CNXL_010630 | putative protein                                 |
| CNXL_010640 | putative protein                                 |
| CNXL_010650 | putative protein                                 |
| CNXL_010660 | putative protein                                 |
| CNXL_010670 | putative protein                                 |
| CNXL_010680 | putative protein                                 |
| CNXL_010690 | putative protein                                 |
| CNXL_010700 | putative protein                                 |
| CNXL_010710 | putative protein                                 |
| CNXL_010720 | putative protein                                 |
| CNXL_010730 | putative protein                                 |
| CNXL_010740 | putative protein                                 |
| CNXL_010750 | putative protein                                 |
| CNXL_010760 | putative protein                                 |
| CNXL_010770 | putative protein                                 |
| CNXL_010780 | putative protein                                 |
| CNXL_010790 | putative protein                                 |
| CNXL_010800 | iron permease                                    |
| CNXL_010810 | probable sugar phosphate/phosphate translocator  |
| CNXL_010820 | hypothetical protein                              |
| CNXL_010830 | hypothetical protein                              |
| CNXL_010840 | hypothetical protein                              |
| CNXL_010850 | hypothetical protein                              |
| CNXL_010860 | hypothetical protein                              |
| CNXL_010870 | hypothetical protein                              |
| CNXL_010880 | hypothetical protein                              |
| CNXL_010890 | hypothetical protein                              |
| CNXL_010900 | hypothetical protein                              |
| CNXL_010910 | hypothetical protein                              |
| CNXL_010920 | hypothetical protein                              |
| CNXL_010930 | hypothetical protein                              |
| CNXL_010940 | hypothetical protein                              |
| CNXL_010950 | hypothetical protein                              |
| CNXL_010960 | hypothetical protein                              |
| CNXL_010970 | hypothetical protein                              |
| CNXL_010980 | hypothetical protein                              |
| CNXL_010990 | hypothetical protein                              |
| CNXL_011000 | hypothetical protein                              |
| Gene Symbol | Description |
|-------------|-------------|
| CNB02140    | mitochondrial intermediate peptidase 2 |
| CNB02150    | D-tyrosyl-tRNA synthetase |
| CNB02160    | mitochondrially encoded tRNA fMet amidotransferase |
| CNB02170    | 26S proteasome regulatory subunit N12 |
| CNB02180    | D-tyrosyl-tRNA synthetase |
| CNB02190    | 26S proteasome regulatory subunit N12 |
| CNB02200    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02210    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02220    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02230    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02240    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02250    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02260    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02270    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02280    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02290    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02300    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02310    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02320    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02330    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02340    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02350    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02360    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02370    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02380    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02390    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02400    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02410    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02420    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02430    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02440    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02450    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02460    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02470    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02480    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02490    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02500    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02510    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02520    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02530    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02540    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02550    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02560    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02570    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02580    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02590    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02600    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02610    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02620    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02630    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02640    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02650    | DNA-directed RNA polymerase II subunit RPB11 |
| CNB02660    | DNA-directed RNA polymerase II subunit RPB11 |
| Gene Name | Description |
|-----------|-------------|
| CNXL_011590 | hexokinase |
| CNXL_011600 | hypothetical protein |
| CNXL_011610 | DNA binding protein Ncp1 |
| CNXL_011620 | high-affinity glucose transporter |
| CNXL_011630 | hypothetical protein |
| CNXL_011640 | hypothetical protein |
| CNXL_011650 | DNA binding protein Ncp1 |
| CNXL_011660 | hypothetical protein |
| CNXL_011670 | hypothetical protein |
| CNXL_011680 | hypothetical protein |
| CNXL_011690 | large subunit ribosomal protein L4 |
| CNXL_011700 | small subunit ribosomal protein S16 |
| CNXL_011710 | hypothetical protein |
| CNXL_011720 | hypothetical protein |
| CNXL_011730 | hypothetical protein |
| CNXL_011740 | putative trehalase |
| CNXL_011750 | tubulin alpha-1A chain |
| CNXL_011760 | hypothetical protein |
| CNXL_011770 | mRNA turnover protein 4 |
| CNXL_011780 | hypothetical protein |
| CNXL_011790 | hypothetical protein |
| CNXL_011800 | hypothetical protein |
| CNXL_011810 | hypothetical protein |
| CNXL_011820 | hypothetical protein |
| CNXL_011830 | hypothetical protein |
| CNXL_011840 | hypothetical protein |
| CNXL_011850 | hypothetical protein |
| CNXL_011860 | hypothetical protein |
| CNXL_011870 | hypothetical protein |
| CNXL_011880 | hypothetical protein |
| CNXL_011890 | hypothetical protein |
| CNXL_011900 | hypothetical protein |
| CNXL_011910 | hypothetical protein |
| CNXL_011920 | hypothetical protein |
| CNXL_011930 | hypothetical protein |
| CNXL_011940 | hypothetical protein |
| CNXL_011950 | hypothetical protein |
| CNXL_011960 | hypothetical protein |
| CNXL_011970 | hypothetical protein |
| CNXL_011980 | hypothetical protein |
| CNXL_011990 | hypothetical protein |
| CNXL_012000 | hypothetical protein |
| CNXL_012010 | hypothetical protein |
| CNXL_012020 | hypothetical protein |
| CNXL_012030 | hypothetical protein |
| CNXL_012040 | hypothetical protein |
| CNXL_012050 | hypothetical protein |
| CNXL_012060 | hypothetical protein |
| CNXL_012070 | hypothetical protein |
| CNXL_012080 | hypothetical protein |
| CNXL_012090 | hypothetical protein |
| CNXL_012100 | hypothetical protein |
| CNXL_012110 | hypothetical protein |
| CNXL_012120 | hypothetical protein |
| CNXL_012130 | hypothetical protein |
| CNXL_012140 | hypothetical protein |
| CNXL_012150 | hypothetical protein |
| Gene ID       | Name                                                      | Function                                                                 |
|--------------|-----------------------------------------------------------|--------------------------------------------------------------------------|
| CNXL_012170  | galactose-1-phosphate uridylyltransferase                 | hypothetical protein                                                      |
| CNXL_012180  | CNB03160                                                  | hypothetical protein                                                      |
| CNXL_012190  | CNB03170                                                  | histone acetyltransferase ESA1                                            |
| CNXL_012200  | CNB03180                                                  | hypothetical protein                                                      |
| CNXL_012210  | CNB03190                                                  | aromatic amino acid aminotransferase I                                   |
| CNXL_012220  | -3.039653284                                             | L-carnitine dehydratase/bile acid-inducible protein F                    |
| CNXL_012230  | CNB03200                                                  | hypothetical protein                                                      |
| CNXL_012240  | CNB03210                                                  | hypothetic protein                                                       |
| CNXL_012250  | -0.061077911                                             | hypothetical protein                                                      |
| CNXL_012260  | 0.157359091                                              | alpha 1                                                                  |
| CNXL_012270  | CNB03230                                                  | hypothetical protein                                                      |
| CNXL_012280  | 0.228339936                                              | C4-hydroxylase                                                            |
| CNXL_012290  | CNB03240                                                  | DASH complex subunit DAD3                                                |
| CNXL_012300  | CNB03250                                                  | hypothetical protein                                                      |
| CNXL_012310  | NB03260|CNB03260|CNB03260                        | hypothetical protein                                                      |
| CNXL_012320  | CNB03280                                                  | hypothetical protein                                                      |
| CNXL_012330  | CNB03290                                                  | hypothetical protein                                                      |
| CNXL_012340  | CNB03300                                                  | pre-mRNA-splicing factor CWC26                                             |
| CNXL_012350  | 0.36691347                                               | hypothetical protein                                                      |
| CNXL_012360  | -0.092234241                                             | hypothetical protein                                                      |
| CNXL_012370  | CNB03340                                                  | NAK kinase                                                                |
| CNXL_012380  | CNB03350                                                  | nonselective cation channel protein                                       |
| CNXL_012390  | CNB03360                                                  | multidrug resistance transporter                                          |
| CNXL_012400  | CNB03370                                                  | vacuolar membrane protein                                                 |
| CNXL_012410  | CNB03380                                                  | hypothetical protein                                                      |
| CNXL_012420  | CNB03390                                                  | glutathione transferase                                                   |
| CNXL_012430  | CNB03400                                                  | nuclear protein                                                           |
| CNXL_012440  | CNB03420                                                  | hypothetical protein                                                      |
| CNXL_012450  | CNB03430                                                  | hypothetical protein                                                      |
| CNXL_012460  | CNB03440                                                  | general transcription factor 3C polypeptide 5                             |
| CNXL_012470  | 0.117660511                                              | lysine decarboxylase                                                      |
| CNXL_012480  | CNB03460                                                  | hypothetical protein                                                      |
| CNXL_012490  | CNB03470                                                  | hypothetical protein                                                      |
| CNXL_012500  | CNB03490                                                  | hypothetical protein                                                      |
| CNXL_012510  | CNB03500                                                  | hypothetical protein                                                      |
| CNXL_012520  | CNB03510                                                  | hypothetical protein                                                      |
| CNXL_012530  | CNB03520                                                  | hypothetical protein                                                      |
| CNXL_012540  | CNB03530                                                  | hypothetical protein                                                      |
| CNXL_012550  | CNB03540                                                  | hypothetical protein                                                      |
| CNXL_012560  | CNB03550                                                  | hypothetical protein                                                      |
| CNXL_012570  | CNB03570                                                  | hypothetical protein                                                      |
| CNXL_012580  | CNB03580                                                  | hypothetical protein                                                      |
| CNXL_012590  | CNB03590                                                  | hypothetical protein                                                      |
| CNXL_012600  | CNB03580                                                  | hypothetical protein                                                      |
| CNXL_012610  | CNB03590                                                  | hypothetical protein                                                      |
| CNXL_012620  | CNB03600                                                  | hypothetical protein                                                      |
| CNXL_012630  | CNB03620                                                  | hypothetical protein                                                      |
| CNXL_012640  | CNB03630                                                  | hypothetical protein                                                      |
| CNXL_012650  | CNB03640                                                  | hypothetical protein                                                      |
| CNXL_012660  | CNB03650                                                  | oxidoreducease                                                           |
| CNXL_012670  | NB03660|CNB03660|CNB03660                        | galactose-1-phosphate uridylyltransferase                                  |
| CNXL_012680  | CNB03680                                                  | hypothetical protein                                                      |
| CNXL_012690  | CNB03690                                                  | hypothetical protein                                                      |
| CNXL_012700  | CNB03700                                                  | SCF-associated factor 1                                                  |
| CNXL_012710  | CNB03710                                                  | DNA polymerase zeta subunit                                              |
| CNXL_012720  | CNB03720                                                  | hypothetical protein                                                      |
| CNXL_012730  | CNB03730                                                  | hypothetical protein                                                      |
| CNXL_012740  | CNB03740                                                  | hypothetical protein                                                      |
| Gene ID | Name | Value | Description |
|---------|------|-------|-------------|
| CNXL_012750 | CNB03750 | -0.364183112 | cytoplasmic protein |
| CNXL_012760 | CNB03760 | 0.250812217 | hypothetical protein |
| CNXL_012770 | CNB03760 | -0.019912575 | hypothetical protein |
| CNXL_012780 | CNB03770 | 0.554925604 | hypothetical protein |
| CNXL_012790 | CNB03780 | 0.046905499 | hypothetical protein |
| CNXL_012800 | CNB03790 | -0.246762091 | protein lysine methyltransferase SET5 |
| CNXL_012810 | CNB03810 | -0.517586251 | transcriptional regulatory protein |
| CNXL_012820 | CNB03820 | 0.013130916 | chaperonin GroES |
| CNXL_012830 | CNB03820 | -0.108678322 | MAP kinase phosphatase |
| CNXL_012840 | CNB03850 | -0.322208075 | zinc-finger transcription factor |
| CNXL_012850 | CNB03860 | -0.230688226 | 20S proteasome subunit alpha 2 |
| CNXL_012860 | CNB03860 | 0.11983388 | hypothetical protein |
| CNXL_012870 | CNB03870 | -0.276331384 | phosphatidylserine reductase |
| CNXL_012880 | CNB03880 | 0.148381023 | hypothetical protein |
| CNXL_012890 | CNB03890 | 0.078763723 | f-actin-capping protein subunit beta |
| CNXL_012900 | CNB03900 | -0.34980753 | magnesium transporter |
| CNXL_012910 | CNB03910 | -0.435722513 | hypothetical protein |
| CNXL_012920 | CNB03920 | 0.109735672 | hypothetical protein |
| CNXL_012930 | CNB03940 | 0.024426378 | 26S protease regulatory subunit 6B |
| CNXL_012940 | CNB03950 | -0.197743283 | hypothetical protein |
| CNXL_012950 | CNB03960 | -2.302539927 | hypothetical protein |
| CNXL_012960 | CNB03970 | -0.309369232 | LIM domain containing protein |
| CNXL_012970 | CNB03980 | -0.228621768 | WD-repeat protein |
| CNXL_012980 | CNB03990 | 0.900142961 | hypothetical protein |
| CNXL_012990 | CNB04010 | 0.076419497 | hypothetical protein |
| CNXL_013000 | CNB04020 | 0.147043578 | hydrolase |
| CNXL_013010 | CNB04030 | -0.557640667 | hypothetical protein |
| CNXL_013020 | CNB04040 | 0.396602542 | hypothetical protein |
| CNXL_013030 | CNB04050 | 0.150177539 | hypothetical protein |
| CNXL_013040 | CNB04060 | -0.155826727 | hypothetical protein |
| CNXL_013050 | CNB04070 | -0.437452861 | hypothetical protein |
| CNXL_013060 | CNB04080 | 0.182589858 | hypothetical protein |
| CNXL_013070 | CNB04090 | -0.091401863 | hypothetical protein |
| CNXL_013080 | CNB04100 | 0.254935504 | hypothetical protein |
| CNXL_013090 | CNB04120 | -0.005209757 | hypothetical protein |
| CNXL_013100 | CNB04130 | 0.191568797 | hypothetical protein |
| CNXL_013110 | CNB04140 | 0.241189764 | mitochondrial import receptor subunit TOM40 |
| CNXL_013120 | CNB04150 | -0.084932568 | hypothetical protein |
| CNXL_013130 | CNB04160 | 0.009252724 | hypothetical protein |
| CNXL_013140 | CNB04170 | -0.271043774 | hypothetical protein |
| CNXL_013150 | CNB04180 | -0.030879797 | hypothetical protein |
| CNXL_013160 | CNB04190 | -0.224466017 | hypothetical protein |
| CNXL_013170 | CNB04200 | -0.039202057 | hypothetical protein |
| CNXL_013180 | CNB04220 | 0.074588582 | mitochondrial import receptor subunit TOM40 |
| CNXL_013190 | CNB04240 | 0.173392952 | hypothetical protein |
| CNXL_013200 | CNB04260 | 0.16978465 | hypothetical protein |
| CNXL_013210 | CNB04270 | 0.116470032 | hypothetical protein |
| CNXL_013220 | CNB04280 | 1.074534324 | hypothetical protein |
| CNXL_013230 | CNB04290 | -3.309976908 | hypothetical protein |
| CNXL_013240 | CNB04310 | 0.262967466 | hypothetical protein |
| CNXL_013250 | CNB04320 | -0.180858338 | hypothetical protein |
| CNXL_013260 | CNB04320 | -0.244254594 | hypothetical protein |
| CNXL_013270 | CNB04320 | -0.330203507 | hypothetical protein |
| CNXL_013280 | CNB04320 | -0.138270464 | hypothetical protein |
| CNXL_013290 | CNB04320 | -0.596515941 | hypothetical protein |
| CNXL_013300 | CNB04320 | -0.264550395 | hypothetical protein |
| CNXL_013310 | CNB04320 | 0.255021087 | hypothetical protein |
| CNXL_013320 | CNB04340 | 0.252914462 | galactokinase |
| CNXL_013330 | CNB04340 | 0.550631543 | hypothetical protein |
| Gene ID     | Z-score | Description                                      |
|------------|---------|--------------------------------------------------|
| CNXL_013330| -0.355104928 | Unknown                                          |
| CNXL_013340| -0.258419994 | 4-nitrophenyl phosphatase                       |
| CNXL_013350| 0.119635693 | hypothetical protein                             |
| CNXL_013360| 0.071713637 | hypothetical protein                             |
| CNXL_013380| -0.144982951 | hypothetical protein                             |
| CNXL_013390| 0.01413582 | ribosomal RNA-processing protein 17             |
| CNXL_013400| 0.269889753 | L-methionine transporter                        |
| CNXL_013410| -0.048243881 | hypothetical protein                             |
| CNXL_013420| 0.011911382 | hypothetical protein                             |
| CNXL_013430| -0.328172647 | hypothetical protein                             |
| CNXL_013440| -0.104037814 | hypothetical protein                             |
| CNXL_013450| 0.199174468 | minichromosome maintenance protein 6            |
| CNXL_013460| -0.056502349 | tyrosine phosphatase                            |
| CNXL_013470| 0.007294678 | Unknown                                         |
| CNXL_013480| 0.009181422 | f-actin-capping protein subunit alpha            |
| CNXL_013490| 0.0007866947| Unknown                                         |
| CNXL_013500| -0.328172647 | hypothetical protein                             |
| CNXL_013510| 0.380490783 | hypothetical protein                             |
| CNXL_013520| -0.185519444 | hypothetical protein                             |
| CNXL_013530| -0.151395901 | hypothetical protein                             |
| CNXL_013540| 0.02473135 | solute carrier family 38                        |
| CNXL_013550| 0.492627327 | hypothetical protein                             |
| CNXL_013560| 0.493267327 | hypothetical protein                             |
| CNXL_013570| -0.02805408 | hypothetical protein                             |
| CNXL_013580| 0.492627327 | hypothetical protein                             |
| CNXL_013590| 0.021916387 | ribosome recycling factor                       |
| CNXL_013600| 0.019644068 | hypothetical protein                             |
| CNXL_013610| 0.0116698054| hypothetical protein                             |
| CNXL_013620| 0.246189319 | hypothetical protein                             |
| CNXL_013630| -0.7001638 | ATP                                             |
| CNXL_013640| 0.48331386 | zinc knuckle family protein                     |
| CNXL_013650| -0.141858814 | hypothetical protein                             |
| CNXL_013660| 0.87678601 | hypothetical protein                             |
| CNXL_013670| 0.092181422 | hypothetical protein                             |
| CNXL_013680| 0.150894977 | oxidoreductase                                  |
| CNXL_013690| 0.3842666 | hypothetical protein                             |
| CNXL_013700| 0.843913486 | hypothetical protein                             |
| CNXL_013710| 0.176635673 | hypothetical protein                             |
| CNXL_013720| 0.00277307 | elongation factor 1 alpha-like protein           |
| CNXL_013730| 0.024367327 | hypothetical protein                             |
| CNXL_013740| 0.400127327 | hypothetical protein                             |
| CNXL_013750| 0.05375517 | hypothetical protein                             |
| CNXL_013760| 0.50174079 | integral membrane protein                       |
| CNXL_013770| 0.155195901 | hypothetical protein                             |
| CNXL_013780| 0.15785734 | hypothetical protein                             |
| CNXL_013790| 0.322719508 | hypothetical protein                             |
| CNXL_013800| 0.90260794 | hypothetical protein                             |
| CNXL_013810| 0.87874625 | hypothetical protein                             |
| CNXL_013820| 0.99217687 | hypothetical protein                             |
| CNXL_013830| 0.020261105 | hypothetical protein                             |
| CNXL_013840| 0.432050869 | hypothetical protein                             |
| CNXL_013850| 0.965101267 | hypothetical protein                             |
| CNXL_013860| 0.85924359 | hypothetical protein                             |
| CNXL_013870| 3.72658E-06 | hypothetical protein                             |
| CNXL_013880| 0.99674777 | hypothetical protein                             |
| CNXL_013890| 0.99615838 | hypothetical protein                             |
| CNXL_013900| -3.47901113 | hypothetical protein                             |
| Gene ID   | Description                                                      | Score | E-value  |
|----------|------------------------------------------------------------------|-------|----------|
| CNXL_013910 | septin ring protein                                              | 0.99143423 | 0.96722808 |
| CNXL_013920 | minichromosome maintenance protein 5 large subunit ribosomal protein L37a | 0.90257926 | 0.35683476 |
| CNXL_013930 | potassium channel protein                                        | 0.917354752 | 0.322555045 |
| CNXL_013940 | translation initiation factor                                   | 0.427904399 | 0.417866535 |
| CNXL_013950 | MFS quinate transporter                                         | -0.304789729 | 1.20504E-81 |
| CNXL_013960 | ATP-dependent RNA helicase A                                    | 0.669296216 | 0.016891408 |
| CNXL_013970 | AFG3 family protein                                              | 0.93619311 | 0.778681483 |
| CNXL_013980 | ribosomal RNA large subunit methyltransferase J                | -0.917354752 | 0.973529387 |
| CNXL_013990 | S36 family protein                                               | 0.64896596 | 0.93619311 |
| CNXL_014000 | hypothetical protein                                             | -0.868074993 | 0.868074993 |
| CNXL_014010 | hypothetical protein                                             | -0.169824557 | 0.780634427 |
| CNXL_014020 | hypothetical protein                                             | 0.475614192 | 0.232845005 |
| CNXL_014030 | hypothetical protein                                             | 0.117332883 | 0.911130835 |
| CNXL_014040 | hypothetical protein                                             | 0.209035075 | 0.669296216 |
| CNXL_014050 | hypothetical protein                                             | -0.460299333 | 0.39417374 |
| CNXL_014060 | hypothetical protein                                             | 0.341004799 | 0.570755994 |
| CNXL_014070 | hypothetical protein                                             | 1.168104204 | 0.001095672 |
| CNXL_014080 | hypothetical protein                                             | -0.208721699 | 0.720877413 |
| CNXL_014090 | hypothetical protein                                             | -0.189261999 | 0.730404734 |
| CNXL_014100 | hypothetical protein                                             | -0.157868211 | 0.778681483 |
| CNXL_014110 | hypothetical protein                                             | -0.510077072 | 0.316888126 |
| CNXL_014120 | hypothetical protein                                             | -0.076374492 | 0.90257926 |
| CNXL_014130 | hypothetical protein                                             | -0.171804349 | 0.788096964 |
| CNXL_014140 | hypothetical protein                                             | 0.168444972 | 0.771763303 |
| CNXL_014150 | hypothetical protein                                             | 0.368182886 | 0.30645537 |
| CNXL_014160 | hypothetical protein                                             | 0.525368586 | 0.260424002 |
| CNXL_014170 | hypothetical protein                                             | 0.153838215 | 0.81242299 |
| CNXL_014180 | hypothetical protein                                             | 1.037077824 | 2.48098E-05 |
| CNXL_014190 | hypothetical protein                                             | 0.234164128 | 0.751851166 |
| CNXL_014200 | hypothetical protein                                             | 0.214474834 | 0.879531297 |
| CNXL_014210 | hypothetical protein                                             | -1.484034675 | 0.105307289 |
| CNXL_014220 | hypothetical protein                                             | -0.298806884 | 0.776955714 |
| CNXL_014230 | hypothetical protein                                             | -0.354681997 | 0.421861586 |
| CNXL_014240 | hypothetical protein                                             | 0.604796141 | 0.139632381 |
| CNXL_014250 | hypothetical protein                                             | -0.834579487 | 0.016891408 |
| CNXL_014260 | hypothetical protein                                             | 0.188626998 | 0.804701177 |
| CNXL_014270 | hypothetical protein                                             | -0.085368593 | 0.88147344 |
| CNXL_014280 | hypothetical protein                                             | 0.003311461 | 0.003311461 |
| CNXL_014290 | hypothetical protein                                             | 0.000963619 | 0.000963619 |
| CNXL_014300 | hypothetical protein                                             | 0.095735232 | 0.095735232 |
| CNXL_014310 | hypothetical protein                                             | 1.20504E-81 | 1.20504E-81 |
| CNXL_014320 | hypothetical protein                                             | 0.90257926 | 0.90257926 |
| CNXL_014330 | hypothetical protein                                             | 0.780634427 | 0.780634427 |
| CNXL_014340 | hypothetical protein                                             | 0.730404734 | 0.730404734 |
| CNXL_014350 | hypothetical protein                                             | 0.778681483 | 0.778681483 |
| CNXL_014360 | hypothetical protein                                             | 0.316888126 | 0.316888126 |
| CNXL_014370 | hypothetical protein                                             | 0.260424002 | 0.260424002 |
| CNXL_014380 | hypothetical protein                                             | 0.81242299 | 0.81242299 |
| CNXL_014390 | hypothetical protein                                             | 2.48098E-05 | 2.48098E-05 |
| CNXL_014400 | hypothetical protein                                             | 0.751851166 | 0.751851166 |
| CNXL_014410 | hypothetical protein                                             | 0.879531297 | 0.879531297 |
| CNXL_014420 | hypothetical protein                                             | 0.105307289 | 0.105307289 |
| CNXL_014430 | hypothetical protein                                             | 0.776955714 | 0.776955714 |
| CNXL_014440 | hypothetical protein                                             | 0.421861586 | 0.421861586 |
| CNXL_014450 | hypothetical protein                                             | 0.139632381 | 0.139632381 |
| CNXL_014460 | hypothetical protein                                             | 0.016891408 | 0.016891408 |
| CNXL_014470 | hypothetical protein                                             | 0.804701177 | 0.804701177 |
| CNXL_014480 | hypothetical protein                                             | 0.88147344 | 0.88147344 |
| Gene ID   | Description                                                  | Log2 Fold Change | p-Value          | Description                        | Log2 Fold Change | p-Value          |
|-----------|--------------------------------------------------------------|------------------|------------------|------------------------------------|------------------|------------------|
| CNXL_014490 | 1.556800549 1.152976658 endoribonuclease L-PSP              | -0.334030684     | 0.43911626 halocid dehalogenase    | CNB05510          | 0.003438327      | 0.95735232 large subunit ribosomal protein L28e |
| CNXL_014500 | CNB05520                                                   | 0.004383273      | 0.995735232       | CNB05530   | 0.057405427      | 0.002180243 U4/U6 small nuclear ribonucleoprotein PRP31 |
| CNXL_014510 | CNB05540                                                   | 0.145412486      | 0.792018301       | CNB05550   | 0.112976658      | 0.889001755 2OS proteasome subunit alpha 6 |
| CNXL_014520 | CNB05560                                                   | -0.41722835      | 0.381569079 60S ribosome subunit biogenesis protein nip7 | CNB05570          | 0.290621959      | 0.455207658 |
| CNXL_014530 | CNB05580                                                   | -0.115130847     | 0.85924574        | CNB05600   | 0.176292385      | 0.753998183 U3 small nuclear RNA-associated protein MPP10 |
| CNXL_014540 | CNB05610                                                   | -0.17269698      | 0.771763303       | CNB05620   | 0.156932253      | 0.779355929 HATI-interacting factor 1 |
| CNXL_014550 | CNB05630                                                   | 0.203197574      | 0.721006731 3-hydroxyanthranilate 3 | CNB05640          | 0.185322243      | 0.804454639 hypothetical protein |
| CNXL_014560 | CNB05650                                                   | -0.517643563     | 0.191011984       | CNB05660   | 1.054433172      | 0.000448401 dolichol kinase |
| CNXL_014570 | CNB05670                                                   | -1.464293272     | 8.15326E-09        | CNB05680   | -0.173041316     | 0.847923235 hypothetical protein |
| CNXL_014580 | CNB05690                                                   | -0.224583615     | 0.714520393       | CNB05700   | 0.068297241      | 0.918171803 hypothetical protein |
| CNXL_014590 | CNB05710                                                   | 0.314419675      | 0.460815133       | CNB05720   | 0.389258593      | 0.403907252 activating transcription factor |
| CNXL_014600 | CNB05730                                                   | -0.753809529     | 0.909444478 Unknown | CNB05740   | -0.36359898     | 0.461869386 hypothetical protein |
| CNXL_014610 | CNB05750                                                   | -0.457308396     | 0.226593506       | CNB05760   | -0.157669308     | 0.793711563 racemase |
| CNXL_014620 | CNB05770                                                   | 0.657098122      | 0.046232519 glucose 1-dehydrogenase | CNB05780          | 0.709415701      | 0.102152715 ATP-binding cassette transporter |
| CNXL_014630 | CNB05790                                                   | 0.389258593      | 0.403907252 Unknown | CNB05800   | 0.689610824      | 0.415892664 Unknown |
| CNXL_014640 | CNB05810                                                   | 0.180187931      | NA Unknown        | CNB05820   | -0.143428668     | 0.814220979 hypothetical protein |
| CNXL_014650 | CNB05830                                                   | 0.363140015      | 0.690050337       | CNB05840   | -0.011809574     | 0.990008547 Unknown |
| CNXL_014660 | CNB05850                                                   | 0.173322486      | 0.725978857       | CNB05860   | 0.216619906      | 0.654774176 hypothetical protein |
| CNXL_014670 | CNB05870                                                   | -0.069839004     | 0.962706186       | CNB05880   | -1.341831917     | 1.72762E-06 hypothetical protein |
| CNXL_014680 | CNB05890                                                   | 0.173322486      | 0.725978857       | CNB05900   | -0.163754412     | 0.799344206 putative chitin synthase |
| CNXL_014690 | CNB05910                                                   | 1.051969267      | 0.000448401       | CNB05920   | 0.255679261      | 0.519652797 Unknown |
| CNXL_014700 | CNB05930                                                   | 0.943863639      | 0.002985831 DNA ligase D  | CNB05940   | -0.08404185      | 0.086776919 type I phosphodiesterase/nucleotide pyrophosphatase |
| CNXL_014710 | CNB05950                                                   | -0.258075598     | 0.5690272467 cupin domain-containing protein | CNB05960   | -0.355063653     | 0.342703959 ATP-dependent RNA helicase MRH4 |
| CNXL_014720 | CNB05970                                                   | -0.102798375     | 0.886480005 fatty acid elongase | CNB05980   | 0.903070532      | 0.604159997 hypothetical protein |
| CNXL_014730 | CNB05990                                                   | -0.302244655     | 0.648836492       | CNB06000   | -0.450803774     | 0.233279208 DNA polymerase delta subunit 3 |
| CNXL_014740 | CNB06010                                                   | 0.255679261      | 0.519652797 Unknown | CNB06020   | 0.519652797 Unknown |
| CNXL_014750 | CNB06030                                                   | -0.120501752     | 0.890053972 enolase | CNB06040   | 0.005622357      | 0.996158838 Unknown |
| CNXL_014760 | CNB06050                                                   | 0.159560564      | 0.82996137 Unknown | CNB06060   | 0.465196535      | 0.146597183 compass component swd2 |
| CNXL_014770 | CNB06070                                                   | 0.196610734      | 0.779355929       | CNB06080   | 0.458783134      | 0.202621105 hypothetical protein |
| CNXL_014780 | CNB06090                                                   | -0.887617036     | 0.009405958       | CNB06100   | 0.120714926      | 0.809974479 CTP synthase |
| CNXL_014790 | CNB06110                                                   | 0.120714926      | 0.809974479       | CNB06120   | 0.120714926      | 0.809974479 CTP synthase |

**Legend:**
- **CNXL:** NCBI Gene ID
- **CNB:** NCBI Protein ID
- **CN:** CNC Gene ID
- **CN:** CNC Protein ID
- **NA:** Not applicable
- **Unknown:** Information not available

**Note:** The table includes gene IDs, descriptions, log2 fold changes, p-values, and additional annotations for various biological processes and functions.
| Gene ID | Description                                | Log2 Fold Change | p-value       |
|--------|--------------------------------------------|-----------------|--------------|
| CNXL_015070 | CNCO0240  | -0.067436057   | 0.929657464  |
| CNXL_015080 | CNCO0250  | -0.437239062   | 0.299696006  |
| CNXL_015090 | CNCO0260  | -0.084414148   | 0.918171803  |
| CNXL_015100 | CNCO0270  | -0.850816364   | 0.006867703  |
| CNXL_015110 | CNCO0290  | -0.805392996   | 0.276076329  |
| CNXL_015120 | CNCO0300  | 1.176810147    | 0.000160622  |
| CNXL_015130 | CNCO0310  | 0.431157733    | 0.189523146  |
| CNXL_015140 | CNCO0320  | 0.379558657    | 0.423141864  |
| CNXL_015150 | CNCO0330  | -1.461019702   | 2.44911E-07  |
| CNXL_015160 | CNCO0340  | 0.528346147    | 0.21968773   |
| CNXL_015170 | CNCO0350  | 0.431157733    | 0.189523146  |
| CNXL_015180 | CNCO0360  | -0.084414148   | 0.918171803  |
| CNXL_015190 | CNCO0370  | -0.011466335   | 0.990777629  |
| CNXL_015200 | CNCO0380  | -0.15031999    | 0.771763303  |
| CNXL_015210 | CNCO0390  | 0.12291821     | 0.910818522  |
| CNXL_015220 | CNCO0400  | -0.396265673   | 0.15211716   |
| CNXL_015230 | CNCO0410  | -1.226188798   | 0.00027121   |
| CNXL_015240 | CNCO0420  | -0.46076811    | 0.271362906  |
| CNXL_015250 | CNCO0430  | 0.654051669    | 0.50585751   |
| CNXL_015260 | CNCO0440  | -0.222135165   | 0.660412993  |
| CNXL_015270 | CNCO0450  | -0.079891632   | 0.827387051  |
| CNXL_015280 | CNCO0460  | 0.231529601    | 0.637704309  |
| CNXL_015290 | CNCO0470  | 0.349111863    | 0.337535369  |
| CNXL_015300 | CNCO0480  | -0.204464953   | 0.883993135  |
| CNXL_015310 | CNCO0490  | 0.56962869     | 0.113446245  |
| CNXL_015320 | CNCO0500  | -0.156269343   | 0.809305305  |
| CNXL_015330 | CNCO0510  | 0.012238608    | 0.995753232  |
| CNXL_015340 | CNCO0520  | 0.071284002    | 0.939255348  |
| CNXL_015350 | CNCO0530  | -0.125410023   | 0.838178569  |
| CNXL_015360 | CNCO0540  | -0.038543286   | 0.972638293  |
| CNXL_015370 | CNCO0550  | -1.725654829   | 0.063702758  |
| CNXL_015380 | CNCO0560  | 0.221743076    | 0.689993365  |
| CNXL_015390 | CNCO0570  | -0.540154746   | 0.369739382  |
| CNXL_015400 | CNCO0580  | 0.233316029    | 0.677906547  |
| CNXL_015410 | CNCO0590  | -0.024718317   | 0.975204851  |
| CNXL_015420 | CNCO0600  | 0.012238608    | 0.995753232  |
| CNXL_015430 | CNCO0610  | 0.125410023    | 0.838178569  |
| CNXL_015440 | CNCO0620  | -0.038543286   | 0.972638293  |
| CNXL_015450 | CNCO0630  | -1.725654829   | 0.063702758  |
| CNXL_015460 | CNCO0640  | 0.221743076    | 0.689993365  |
| CNXL_015470 | CNCO0650  | -0.540154746   | 0.369739382  |
| CNXL_015480 | CNCO0660  | 0.233316029    | 0.677906547  |
| CNXL_015490 | CNCO0670  | -0.024718317   | 0.975204851  |
| CNXL_015500 | CNCO0680  | 0.012238608    | 0.995753232  |
| CNXL_015510 | CNCO0690  | 0.125410023    | 0.838178569  |
| CNXL_015520 | CNCO0700  | -0.038543286   | 0.972638293  |
| CNXL_015530 | CNCO0710  | -1.725654829   | 0.063702758  |
| CNXL_015540 | CNCO0720  | 0.221743076    | 0.689993365  |
| CNXL_015550 | CNCO0730  | -0.038543286   | 0.972638293  |
| CNXL_015560 | CNCO0740  | -1.725654829   | 0.063702758  |
| CNXL_015570 | CNCO0750  | 0.221743076    | 0.689993365  |
| CNXL_015580 | CNCO0760  | -0.038543286   | 0.972638293  |
| CNXL_015590 | CNCO0770  | -1.725654829   | 0.063702758  |
| CNXL_015600 | CNCO0780  | 0.221743076    | 0.689993365  |
| CNXL_015610 | CNCO0790  | -0.038543286   | 0.972638293  |
| CNXL_015620 | CNCO0800  | -1.725654829   | 0.063702758  |
| CNXL_015630 | CNCO0810  | 0.221743076    | 0.689993365  |
| CNXL_015640 | CNCO0820  | -0.038543286   | 0.972638293  |
| Gene ID | Description                                      | Expression 1 | Expression 2 |
|--------|--------------------------------------------------|--------------|--------------|
| CNXL_015650 | nucleolar protein 12                             | -0.349962627 | 0.49332489    |
| CNXL_015660 | biotin-[acyl-CoA-carboxylase] ligase             | -0.188349822 | 0.787846251   |
| CNXL_015670 | gamma-tubulin complex component 3               | -0.346881231 | 0.38882813    |
| CNXL_015680 | hypothetical protein                            | 0.093379298  | 0.866675918   |
| CNXL_015690 | T-complex protein 1 subunit alpha               | 0.260768777  | 0.58189939    |
| CNXL_015700 | hypothetical protein                            | 0.495853589  | 0.458970882   |
| CNXL_015710 | hypothetical protein                            | 0.807104417  | 0.0321533616  |
| CNXL_015720 | biotin-[acetyl-CoA-carboxylase] ligase           | 1.077389155  | 0.00083476    |
| CNXL_015730 | gamma-tubulin complex component 3               | 0.348556557  | 0.450895285   |
| CNXL_015740 | hypothetical protein                            | -0.320582409 | 0.531504526   |
| CNXL_015750 | hypothetical protein                            | 0.262598796  | 0.539612629   |
| CNXL_015760 | hypothetical protein                            | 1.398811284  | 1.6998E-16    |
| CNXL_015770 | hypothetical protein                            | 0.262598796  | 0.539612629   |
| CNXL_015780 | hypothetical protein                            | 0.461071012  | 0.11955995    |
| CNXL_015790 | hypothetical protein                            | 0.10866936   | 0.828543224   |
| CNXL_015800 | hypothetical protein                            | 0.168825887  | 0.797685526   |
| CNXL_015810 | hypothetical protein                            | 0.152567756  | 0.78519633    |
| CNXL_015820 | hypothetical protein                            | 0.480889196  | 0.15236867    |
| CNXL_015830 | hypothetical protein                            | -0.354483042 | 0.393761434   |
| CNXL_015840 | hypothetical protein                            | 0.291485898  | 0.51962797    |
| CNXL_015850 | hypothetical protein                            | 0.461071012  | 0.11955995    |
| CNXL_015860 | hypothetical protein                            | 0.10866936   | 0.828543224   |
| CNXL_015870 | hypothetical protein                            | 0.089851197  | 0.902229878   |
| CNXL_015880 | hypothetical protein                            | -0.044536996 | 0.944879244   |
| CNXL_015890 | hypothetical protein                            | -0.323061852 | 0.509435285   |
| CNXL_015900 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_015910 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_015920 | hypothetical protein                            | -0.416742835 | 0.623050693   |
| CNXL_015930 | hypothetical protein                            | 0.059453385  | 0.902229878   |
| CNXL_015940 | hypothetical protein                            | 0.089851197  | 0.902229878   |
| CNXL_015950 | hypothetical protein                            | -0.001501236 | 0.997459233   |
| CNXL_015960 | hypothetical protein                            | -0.16152047  | 0.837479784   |
| CNXL_015970 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_015980 | hypothetical protein                            | -0.416742835 | 0.623050693   |
| CNXL_015990 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016000 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016010 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016020 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016030 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016040 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016050 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016060 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016070 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016080 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016090 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016100 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016110 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016120 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016130 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016140 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016150 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016160 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016170 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016180 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016190 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016200 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016210 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| CNXL_016220 | hypothetical protein                            | 0.07249936   | 0.903834486   |
| Gene Symbol | Description |
|-------------|-------------|
| CNC01370    | CTD kinase subunit beta |
| CNC01380    | tRNA pseudouridine |
| CNC01390    | hypothetical protein |
| CNC01400    | predicted saga histone acetyltransferase complex component |
| CNC01410    | amino oxidase |
| CNC01420    | small subunit ribosomal protein S20 |
| CNC01430    | multifunctional methyltransferase subunit TRM112 |
| CNC01440    | polyadenylation factor subunit 2 |
| CNC01450    | mRNA cap guanine-N7 methyltransferase |
| CNC01460    | triacylglycerol lipase |
| CNC01470    | small subunit ribosomal protein S20 |
| CNC01480    | multifunctional methyltransferase subunit TRM112 |
| CNC01490    | polyadenylation factor subunit 2 |
| CNC01500    | mRNA cap guanine-N7 methyltransferase |
| CNC01510    | triacylglycerol lipase |
| CNC01520    | small subunit ribosomal protein S20 |
| CNC01530    | multifunctional methyltransferase subunit TRM112 |
| CNC01540    | polyadenylation factor subunit 2 |
| CNC01550    | mRNA cap guanine-N7 methyltransferase |
| CNC01560    | triacylglycerol lipase |
| CNC01570    | small subunit ribosomal protein S20 |
| CNC01580    | multifunctional methyltransferase subunit TRM112 |
| CNC01590    | polyadenylation factor subunit 2 |
| CNC01600    | mRNA cap guanine-N7 methyltransferase |
| CNC01610    | triacylglycerol lipase |
| CNC01620    | small subunit ribosomal protein S20 |
| CNC01630    | multifunctional methyltransferase subunit TRM112 |
| CNC01640    | polyadenylation factor subunit 2 |
| CNC01650    | mRNA cap guanine-N7 methyltransferase |
| CNC01660    | triacylglycerol lipase |
| CNC01670    | small subunit ribosomal protein S20 |
| CNC01680    | multifunctional methyltransferase subunit TRM112 |
| CNC01690    | polyadenylation factor subunit 2 |
| CNC01700    | mRNA cap guanine-N7 methyltransferase |
| CNC01710    | triacylglycerol lipase |
| CNC01720    | small subunit ribosomal protein S20 |
| CNC01730    | multifunctional methyltransferase subunit TRM112 |
| CNC01740    | polyadenylation factor subunit 2 |
| CNC01750    | mRNA cap guanine-N7 methyltransferase |
| CNC01760    | triacylglycerol lipase |
| CNC01770    | small subunit ribosomal protein S20 |
| CNC01780    | multifunctional methyltransferase subunit TRM112 |
| CNC01790    | polyadenylation factor subunit 2 |
| CNC01800    | mRNA cap guanine-N7 methyltransferase |
| CNC01810    | triacylglycerol lipase |
| CNC01820    | small subunit ribosomal protein S20 |
| CNC01830    | multifunctional methyltransferase subunit TRM112 |
| CNC01840    | polyadenylation factor subunit 2 |
| CNC01850    | mRNA cap guanine-N7 methyltransferase |
| CNC01860    | triacylglycerol lipase |
| CNC01870    | small subunit ribosomal protein S20 |
| CNC01880    | multifunctional methyltransferase subunit TRM112 |
| CNC01890    | polyadenylation factor subunit 2 |
| CNC01900    | mRNA cap guanine-N7 methyltransferase |
| Gene ID       | Function and Description                                      |
|--------------|---------------------------------------------------------------|
| CNC01920     | small subunit ribosomal protein S15                          |
| CNC01930     | cytosine permease                                            |
| CNC01940     | mitochondrial outer membrane 72K protein                     |
| CNC01950     | putative monosaccharide transporter                          |
| CNC01960     | hypotetical protein                                          |
| CNC01970     | ATP-dependent metalloprotease                               |
| CNC01980     | integral membrane protein                                    |
| CNC01990     | integral membrane protein                                    |
| CNC02000     | mitochondrial outer membrane 72K protein                     |
| CNC02010     | glycerol-3-phosphate O-acyltransfer                          |
| CNC02020     | translation initiation factor 5                             |
| CNC02030     | ATP-dependent RNA helicase                                   |
| CNC02040     | ribosome biogenesis protein BMS1                            |
| CNC02050     | predicted ESCRT-I complex protein                            |
| CNC02060     | porphobilinogen deaminase                                   |
| CNC02070     | FACT complex subunit SPT16                                   |
| CNC02080     | ATP-dependent RNA helicase                                   |
| CNC02090     | DASH complex subunit DAD4                                    |
| CNC02100     | DASH complex subunit DAD4                                    |
| CNC02110     | DASH complex subunit DAD4                                    |
| CNC02120     | DASH complex subunit DAD4                                    |
| CNC02130     | DASH complex subunit DAD4                                    |
| CNC02140     | DASH complex subunit DAD4                                    |
| CNC02150     | DASH complex subunit DAD4                                    |
| CNC02160     | DASH complex subunit DAD4                                    |
| CNC02170     | DASH complex subunit DAD4                                    |
| CNC02180     | DASH complex subunit DAD4                                    |
| CNC02190     | DASH complex subunit DAD4                                    |
| CNC02200     | DASH complex subunit DAD4                                    |
| CNC02210     | DASH complex subunit DAD4                                    |
| CNC02220     | DASH complex subunit DAD4                                    |
| CNC02230     | DASH complex subunit DAD4                                    |
| CNC02240     | DASH complex subunit DAD4                                    |
| CNC02250     | DASH complex subunit DAD4                                    |
| CNC02260     | DASH complex subunit DAD4                                    |
| CNC02270     | DASH complex subunit DAD4                                    |
| CNC02280     | DASH complex subunit DAD4                                    |
| CNC02290     | DASH complex subunit DAD4                                    |
| CNC02300     | DASH complex subunit DAD4                                    |
| CNC02310     | DASH complex subunit DAD4                                    |
| CNC02320     | DASH complex subunit DAD4                                    |
| CNC02330     | DASH complex subunit DAD4                                    |
| CNC02340     | DASH complex subunit DAD4                                    |
| CNC02350     | DASH complex subunit DAD4                                    |
| CNC02360     | DASH complex subunit DAD4                                    |
| CNC02370     | DASH complex subunit DAD4                                    |
| CNC02380     | DASH complex subunit DAD4                                    |
| CNC02390     | DASH complex subunit DAD4                                    |
| CNC02400     | DASH complex subunit DAD4                                    |
| CNC02410     | DASH complex subunit DAD4                                    |
| CNC02420     | DASH complex subunit DAD4                                    |
| Gene ID     | Description                        | log2 Fold Change | p-value   |
|------------|------------------------------------|-----------------|-----------|
| CNXL_017390| CNCO2430 hypothetical protein      | -0.557497163    | 0.152901938 |
| CNXL_017400| CNCO2440 hypothetical protein      | -1.141885884    | 1.41696E-05 |
| CNXL_017410| CNCO2450 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017420| CNCO2460 hypothetical protein      | 1.292907631     | 0.000127098 |
| CNXL_017430| CNCO2470 hypothetical protein      | 0.621557432     | 0.088235406 |
| CNXL_017440| CNCO2480 hypothetical protein      | 1.292907631     | 0.000127098 |
| CNXL_017450| CNCO2490 hypothetical protein      | 0.474310435     | 0.294783143 |
| CNXL_017460| CNCO2500 hypothetical protein      | -0.235453171    | 0.647485945 |
| CNXL_017470| CNCO2510 hypothetical protein      | -0.031073924    | 0.970515325 |
| CNXL_017480| CNCO2520 hypothetical protein      | 0.474310435     | 0.294783143 |
| CNXL_017490| CNCO2530 hypothetical protein      | -0.249287135    | 0.634728039 |
| CNXL_017500| CNCO2540 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017510| CNCO2550 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017520| CNCO2560 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017530| CNCO2570 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017540| CNCO2580 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017550| CNCO2590 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017560| CNCO2600 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017570| CNCO2610 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017580| CNCO2620 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017590| CNCO2630 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017600| CNCO2640 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017610| CNCO2650 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017620| CNCO2660 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017630| CNCO2670 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017640| CNCO2680 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017650| CNCO2690 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017660| CNCO2700 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017670| CNCO2710 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017680| CNCO2720 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017690| CNCO2730 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017700| CNCO2740 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017710| CNCO2750 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017720| CNCO2760 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017730| CNCO2770 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017740| CNCO2780 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017750| CNCO2790 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017760| CNCO2800 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017770| CNCO2810 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017780| CNCO2820 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017790| CNCO2830 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017800| CNCO2840 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017810| CNCO2850 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017820| CNCO2860 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017830| CNCO2870 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017840| CNCO2880 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017850| CNCO2890 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017860| CNCO2900 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017870| CNCO2910 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017880| CNCO2920 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017890| CNCO2930 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017900| CNCO2940 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017910| CNCO2950 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017920| CNCO2960 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017930| CNCO2970 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017940| CNCO2980 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017950| CNCO2990 hypothetical protein      | 0.21677439      | 0.650714942 |
| CNXL_017960| CNCO3000 hypothetical protein      | 0.21677439      | 0.650714942 |
| Gene ID     | Description                                      | Expression Value | p-value    |
|------------|--------------------------------------------------|------------------|------------|
| CNXL_018550| Unknown                                          | -0.06956759      | 0.90127763 |
| CNXL_018560| elongation factor 1-beta                          | 0.056589618      | 0.935544021|
| CNXL_018570| alpha-1                                          | -0.286110294     | 0.534447681|
| CNXL_018580| hypothetical protein                             | 0.436295565      | 0.162514284|
| CNXL_018590| hypothetical protein                             | 0.813354756      | 0.002051794|
| CNXL_018600| NAD binding dehydrogenase                        | -0.060988663     | 0.91726998 |
| CNXL_018610| elongation factor 1-beta                          | 0.056589618      | 0.935544021|
| CNXL_018620| leucine repeat containing protein                | 0.190234764      | 0.678207179|
| CNXL_018630| aldose reductase                                 | 0.418085605      | 0.238438107|
| CNXL_018640| hypothetical protein                             | -0.286110294     | 0.534447681|
| CNXL_018650| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018660| hypothetical protein                             | -0.286110294     | 0.534447681|
| CNXL_018670| hypothetical protein                             | -0.050261249     | 0.953095191|
| CNXL_018680| hypothetical protein                             | 0.056589618      | 0.935544021|
| CNXL_018690| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018700| sorting nexin-41                                 | -0.345615982      | 0.502368015|
| CNXL_018710| signal transduction protein                      | 0.38760238       | 0.964076726|
| CNXL_018720| AMP deaminase                                    | -0.504368526     | 0.27463373 |
| CNXL_018730| monosaccharide transporter                       | 0.0190234764     | 0.678207179|
| CNXL_018740| hypothetical protein                             | -0.286110294     | 0.534447681|
| CNXL_018750| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018760| hypothetical protein                             | -0.286110294     | 0.534447681|
| CNXL_018770| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018780| hypothetical protein                             | -0.050261249     | 0.953095191|
| CNXL_018790| hypothetical protein                             | 0.056589618      | 0.935544021|
| CNXL_018800| hypothetical protein                             | -0.345615982     | 0.502368015|
| CNXL_018810| hypothetical protein                             | 0.38760238       | 0.964076726|
| CNXL_018820| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018830| hypothetical protein                             | 0.190234764      | 0.678207179|
| CNXL_018840| hypothetical protein                             | -0.286110294     | 0.534447681|
| CNXL_018850| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018860| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018870| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018880| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018890| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018900| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018910| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018920| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018930| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018940| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018950| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018960| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018970| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_018980| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_018990| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019000| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019010| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019020| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019030| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019040| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019050| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019060| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019070| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019080| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019090| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019100| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| CNXL_019110| mitochondrial intermediate peptidase 1           | -0.050261249     | 0.953095191|
| CNXL_019120| mitochondrial intermediate peptidase 1           | 0.056589618      | 0.935544021|
| Gene ID  | Description                                      | Score 1 | Score 2  |
|----------|--------------------------------------------------|---------|----------|
| CNXL_019130 | hypothetical protein                            | -0.243516682 | 0.878054651 |
| CNXL_019140 | CNC03940                                       | -0.43001987 | 0.260431503 |
| CNXL_019150 | exosome complex exonuclease                      | -0.735676725 | 0.002780834 |
| CNXL_019160 | hypothetical protein                            | -0.061407051 | 0.930990489 |
| CNXL_019170 | inorganic phosphate transporter                 | -0.385900918 | 0.368365274 |
| CNXL_019180 | nicotinate-nucleotide pyrophosphorylase         | 0.042698821 | 0.952560219 |
| CNXL_019190 | hypothetical protein                            | -0.735676725 | 0.002780834 |
| CNXL_019200 | hypothetical protein                            | 0.036639591 | 0.965101267 |
| CNXL_019210 | hypothetical protein                            | 0.150624079 | 0.814220979 |
| CNXL_019220 | hypothetical protein                            | -0.100222998 | 0.865015851 |
| CNXL_019230 | hypothetical protein                            | 0.01232936 | 0.990703091 |
| CNXL_019240 | hypothetical protein                            | -0.11902073 | 0.854841032 |
| CNXL_019250 | hypothetical protein                            | 0.356953085 | 0.495174856 |
| CNXL_019260 | hypothetical protein                            | -0.447044791 | 0.252240739 |
| CNXL_019270 | hypothetical protein                            | 0.13951158 | 0.833345826 |
| CNXL_019280 | hypothetical protein                            | -0.612000527 | 0.069285289 |
| CNXL_019290 | hypothetical protein                            | -0.285676824 | 0.455991866 |
| CNXL_019300 | hypothetical protein                            | 0.084551725 | 0.877322829 |
| CNXL_019310 | hypothetical protein                            | -0.261064118 | 0.633915651 |
| CNXL_019320 | hypothetical protein                            | 0.334372766 | 0.287997113 |
| CNXL_019330 | hypothetical protein                            | -0.437947451 | 0.286742114 |
| CNXL_019340 | hypothetical protein                            | -0.507344986 | 0.173182543 |
| CNXL_019350 | hypothetical protein                            | 0.01232936 | 0.990703091 |
| CNXL_019360 | hypothetical protein                            | 0.356953085 | 0.495174856 |
| CNXL_019370 | hypothetical protein                            | 0.1088835 | 0.867654918 |
| CNXL_019380 | hypothetical protein                            | -0.2222118 | 0.787444741 |
| CNXL_019390 | hypothetical protein                            | -0.16222118 | 0.633915651 |
| CNXL_019400 | hypothetical protein                            | 0.356953085 | 0.495174856 |
| CNXL_019410 | hypothetical protein                            | -0.272178375 | 0.628160086 |
| CNXL_019420 | hypothetical protein                            | -0.191511467 | 0.779355922 |
| CNXL_019430 | hypothetical protein                            | 0.460114181 | 0.833345826 |
| CNXL_019440 | hypothetical protein                            | 0.460114181 | 0.833345826 |
| CNXL_019450 | hypothetical protein                            | -0.209838911 | 0.706359593 |
| CNXL_019460 | hypothetical protein                            | 0.058705427 | 0.934642219 |
| CNXL_019470 | hypothetical protein                            | -0.234031582 | 0.745175905 |
| CNXL_019480 | hypothetical protein                            | -0.08551725 | 0.877322829 |
| CNXL_019490 | hypothetical protein                            | -0.468553337 | 0.281836596 |
| CNXL_019500 | hypothetical protein                            | 0.058705427 | 0.934642219 |
| CNXL_019510 | hypothetical protein                            | 0.155989183 | 0.789040329 |
| CNXL_019520 | hypothetical protein                            | -0.069632256 | 0.912489499 |
| CNXL_019530 | hypothetical protein                            | 0.108263871 | 0.628160086 |
| CNXL_019540 | hypothetical protein                            | -0.082601798 | 0.889001755 |
| CNXL_019550 | hypothetical protein                            | 0.06315842 | 0.919196787 |
| CNXL_019560 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019570 | hypothetical protein                            | 0.058705427 | 0.934642219 |
| CNXL_019580 | hypothetical protein                            | 0.155989183 | 0.789040329 |
| CNXL_019590 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019600 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019610 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019620 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019630 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019640 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019650 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019660 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019670 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019680 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019690 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| CNXL_019700 | hypothetical protein                            | -0.062228339 | 0.936783812 |
| Gene ID | Description |
|---------|-------------|
| CNXL_019710 | NADH dehydrogenase |
| CNXL_019720 | NADH dehydrogenase |
| CNXL_019730 | NADH dehydrogenase |
| CNXL_019740 | NADH dehydrogenase |
| CNXL_019750 | NADH dehydrogenase |
| CNXL_019760 | NADH dehydrogenase |
| CNXL_019770 | NADH dehydrogenase |
| CNXL_019780 | NADH dehydrogenase |
| CNXL_019790 | NADH dehydrogenase |
| CNXL_019800 | NADH dehydrogenase |
| CNXL_019810 | NADH dehydrogenase |
| CNXL_019820 | NADH dehydrogenase |
| CNXL_019830 | NADH dehydrogenase |
| CNXL_019840 | NADH dehydrogenase |
| CNXL_019850 | NADH dehydrogenase |
| CNXL_019860 | NADH dehydrogenase |
| CNXL_019870 | NADH dehydrogenase |
| CNXL_019880 | NADH dehydrogenase |
| CNXL_019890 | NADH dehydrogenase |
| CNXL_019900 | NADH dehydrogenase |
| CNXL_019910 | NADH dehydrogenase |
| CNXL_019920 | NADH dehydrogenase |
| CNXL_019930 | NADH dehydrogenase |
| CNXL_019940 | NADH dehydrogenase |
| CNXL_019950 | NADH dehydrogenase |
| CNXL_019960 | NADH dehydrogenase |
| CNXL_019970 | NADH dehydrogenase |
| CNXL_019980 | NADH dehydrogenase |
| CNXL_019990 | NADH dehydrogenase |
| CNXL_020000 | NADH dehydrogenase |
| CNXL_020010 | NADH dehydrogenase |
| CNXL_020020 | NADH dehydrogenase |
| CNXL_020030 | NADH dehydrogenase |
| CNXL_020040 | NADH dehydrogenase |
| CNXL_020050 | NADH dehydrogenase |
| CNXL_020060 | NADH dehydrogenase |
| CNXL_020070 | NADH dehydrogenase |
| CNXL_020080 | NADH dehydrogenase |
| CNXL_020090 | NADH dehydrogenase |
| CNXL_020100 | NADH dehydrogenase |
| CNXL_020110 | NADH dehydrogenase |
| CNXL_020120 | NADH dehydrogenase |
| CNXL_020130 | NADH dehydrogenase |
| CNXL_020140 | NADH dehydrogenase |
| CNXL_020150 | NADH dehydrogenase |
| CNXL_020160 | NADH dehydrogenase |
| CNXL_020170 | NADH dehydrogenase |
| CNXL_020180 | NADH dehydrogenase |
| CNXL_020190 | NADH dehydrogenase |
| CNXL_020200 | NADH dehydrogenase |
| CNXL_020210 | NADH dehydrogenase |
| CNXL_020220 | NADH dehydrogenase |
| CNXL_020230 | NADH dehydrogenase |
| CNXL_020240 | NADH dehydrogenase |
| CNXL_020250 | NADH dehydrogenase |
| CNXL_020260 | NADH dehydrogenase |
| CNXL_020270 | NADH dehydrogenase |
| CNXL_020280 | NADH dehydrogenase |

**Note:** The table contains gene identifiers and their corresponding descriptions, likely related to enzyme activities or protein functions. The values following the gene IDs might represent certain activities or measurements associated with these genes. The descriptions range from specific enzymes to hypothetical proteins.
| Gene ID   | Description                                                                 | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 |
|----------|-----------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| CNC05030 | hypothetical protein                                                         | -0.15568158 | 0.872355538 | hypothesized protein |
| CNC05040 | 0.380089722                                                                 | 0.326972642 | hypothesized protein |
| CNC05050 | 1.025419986                                                                 | 0.000670786 | endoplasmic reticulum protein |
| CNC05060 | 0.706757554                                                                 | 0.016151708 | phosphatidylinositol glycan |
| CNC05070 | -0.264657494                                                                | 0.7013463 | hypothesized protein |
| CNC05090 | 0.287396362                                                                 | 0.452146814 | hypothesized protein |
| CNC05100 | -0.208095941                                                                | 0.639965483 | dynamin GTPase |
| CNC05110 | -1.103582737                                                                | 0.000328158 | hypothesized protein |
| CNC05120 | -0.155538616                                                                | 0.773509113 | hypothetical protein |
| CNC05130 | 0.192826947                                                                 | 0.827551738 | U6 snRNA-associated Sm-like protein LSm4 |
| CNC05140 | 0.759919243                                                                | 0.006384724 | hypothetical protein |
| CNC05150 | 0.418857662                                                                 | 0.264527288 | alcohol dehydrogenase |
| CNC05160 | 0.071653462                                                                 | 0.916084262 | hypothetical protein |
| CNC05170 | -0.225774494                                                                | 0.634625988 | ubiquitin-conjugating enzyme |
| CNC05180 | -0.162355364                                                                | 0.763757096 | tRNA |
| CNC05190 | 0.421600598                                                                 | 0.233522268 | hypothetical protein |
| CNC05210 | -0.309828484                                                                | 0.553726767 | hypothetical protein |
| CNC05220 | -0.062240941                                                                | 0.927929791 | hypothetical protein |
| CNC05230 | 0.247044353                                                                 | 0.667605477 | hypothetical protein |
| CNC05240 | 0.009189177                                                                 | 0.992176872 | hypothetical protein |
| CNC05250 | -0.446937367                                                                | 0.25879631 | hypothetical protein |
| CNC05260 | -0.337805513                                                                | 0.417866535 | serine threonine protein kinase |
| CNC05270 | -0.306574753                                                                | 0.60949078 | F-type H+ transporting ATPase subunit F |
| CNC05280 | -0.335376176                                                                | 0.523679914 | hypothetical protein |
| CNC05290 | -0.045167137                                                                | 0.954346886 | acetyl-CoA C-acetyltransferase |
| CNC05300 | 0.280854456                                                                | 0.498011616 | hydroxylase |
| CNC05310 | -0.108812206                                                                | 0.856460878 | hypothetical protein |
| CNC05320 | 0.027682992                                                                | 0.970190057 | hypothetical protein |
| CNC05330 | 38.29923297                                                                | 0.247252358 | large subunit ribosomal protein L14 |
| CNC05340 | -0.137492956                                                                | 0.779355929 | histone H1/5 |
| CNC05350 | 0.229058287                                                                | 0.625674534 | d-arabinitol 2-dehydrogenase |
| CNC05360 | -0.227043355                                                                | 0.64162027 | hypothetical protein |
| CNC05370 | 0.087040652                                                                | 0.86860514 | protein disulfide-isomerase |
| CNC05380 | -0.151983055                                                                | 0.781361786 | large subunit ribosomal protein L5e |
| CNC05390 | -0.831437339                                                                | 0.08214898 | transcription initiation factor TFIIID subunit 1 |
| CNC05400 | 0.367256454                                                                | 0.546233067 | virulence related protein of unknown function |
| CNC05410 | 0.181426752                                                                | 0.777634355 | hypothetical protein |
| CNC05420 | 0.350832989                                                                | 0.358799682 | hypothetical protein |
| CNC05430 | -0.095170778                                                                | 0.944263762 | quinone oxidoreductase |
| CNC05440 | 0.078144102                                                                | 0.890147007 | Unknown |
| CNC05450 | -0.426888945                                                                | 0.496574337 | hypothetical protein |
| CNC05460 | 0.013357515                                                                | 0.987967132 | malonic semialdehyde reductase |
| CNC05470 | -0.149152405                                                                | 0.778362394 | CCR4-NOT transcription complex subunit 1 |
| CNC05480 | -0.065890306                                                                | 0.910345571 | translocation protein SEC63 |
| CNC05490 | -0.16512226                                                                | 0.762884467 | cytochrome c oxidase subunit 6a |
| CNC05500 | -0.454268097                                                                | 0.213349287 | peroxin-3 |
| CNC05510 | 0.569927648                                                                | 0.044654589 | calcium/proton exchanger |
| CNC05520 | 1.129021586                                                                | 0.000670496 | hypothetical protein |
| CNC05540 | 0.104868503                                                                | 0.874872772 | cytoplasmic protein |
| CNC05550 | 0.598482938                                                                | 0.044774395 | phosphate-repressible vacuolar acid phosphatase |
| CNC05560 | 0.004570517                                                                | 0.995735232 | hypothetical protein |
| CNC05570 | 0.083125417                                                                | 0.907858192 | nucleolar protein 15 |
| CNC05580 | 0.084451172                                                                | 0.889396164 | SCYL protein kinase |
| CNC05590 | 0.019356798                                                                | 0.982102702 | peptide chain release factor 1 |
| CNC05600 | 0.03524195                                                                | 0.965468882 | thioredoxin |
| Gene         | Start | End   | Column 1     | Column 2     | Description                                      |
|--------------|-------|-------|--------------|--------------|-------------------------------------------------|
| CRL4-A2      | 1.482 | 1.484 | 0.484        | 0.487        | actin cross-linking protein                      |
| CRL4-A2      | 1.863 | 1.865 | 0.864        | 0.867        | hypothetical protein                             |
| CRL4-A2      | 0.547 | 0.549 | 0.546        | 0.549        | hypothetical protein                             |
| CRL4-A2      | 0.204 | 0.206 | 0.203        | 0.206        | hypothetical protein                             |
| CRL4-A2      | 0.192 | 0.194 | 0.191        | 0.194        | hypothetical protein                             |
| CRL4-A2      | 0.577 | 0.579 | 0.576        | 0.579        | hypothetical protein                             |
| CRL4-A2      | 0.397 | 0.400 | 0.396        | 0.400        | hypothetical protein                             |
| CRL4-A2      | 0.385 | 0.387 | 0.384        | 0.387        | hypothetical protein                             |
| CRL4-A2      | 0.373 | 0.375 | 0.372        | 0.375        | hypothetical protein                             |
| CRL4-A2      | 0.361 | 0.363 | 0.360        | 0.363        | hypothetical protein                             |
| CRL4-A2      | 0.350 | 0.352 | 0.349        | 0.352        | hypothetical protein                             |
| CRL4-A2      | 0.338 | 0.340 | 0.337        | 0.340        | hypothetical protein                             |
| CRL4-A2      | 0.327 | 0.329 | 0.326        | 0.329        | hypothetical protein                             |
| CRL4-A2      | 0.315 | 0.317 | 0.314        | 0.317        | hypothetical protein                             |
| CRL4-A2      | 0.304 | 0.306 | 0.303        | 0.306        | hypothetical protein                             |
| CRL4-A2      | 0.292 | 0.294 | 0.291        | 0.294        | hypothetical protein                             |
| CRL4-A2      | 0.281 | 0.283 | 0.280        | 0.283        | hypothetical protein                             |
| CRL4-A2      | 0.269 | 0.271 | 0.268        | 0.271        | hypothetical protein                             |
| CRL4-A2      | 0.258 | 0.260 | 0.257        | 0.260        | hypothetical protein                             |
| CRL4-A2      | 0.246 | 0.248 | 0.245        | 0.248        | hypothetical protein                             |
| CRL4-A2      | 0.235 | 0.237 | 0.234        | 0.237        | hypothetical protein                             |
| CRL4-A2      | 0.223 | 0.225 | 0.222        | 0.225        | hypothetical protein                             |
| CRL4-A2      | 0.212 | 0.214 | 0.211        | 0.214        | hypothetical protein                             |
| CRL4-A2      | 0.200 | 0.202 | 0.199        | 0.202        | hypothetical protein                             |
| CRL4-A2      | 0.189 | 0.191 | 0.188        | 0.191        | hypothetical protein                             |
| CRL4-A2      | 0.177 | 0.179 | 0.176        | 0.179        | hypothetical protein                             |
| CRL4-A2      | 0.166 | 0.168 | 0.165        | 0.168        | hypothetical protein                             |
| CRL4-A2      | 0.154 | 0.156 | 0.153        | 0.156        | hypothetical protein                             |
| CRL4-A2      | 0.143 | 0.145 | 0.142        | 0.145        | hypothetical protein                             |
| CRL4-A2      | 0.131 | 0.133 | 0.130        | 0.133        | hypothetical protein                             |
| CRL4-A2      | 0.120 | 0.122 | 0.119        | 0.122        | hypothetical protein                             |
| CRL4-A2      | 0.108 | 0.110 | 0.107        | 0.110        | hypothetical protein                             |
| CRL4-A2      | 0.097 | 0.100 | 0.096        | 0.100        | hypothetical protein                             |
| CRL4-A2      | 0.085 | 0.087 | 0.084        | 0.087        | hypothetical protein                             |
| CRL4-A2      | 0.073 | 0.076 | 0.072        | 0.076        | hypothetical protein                             |
| CRL4-A2      | 0.062 | 0.064 | 0.061        | 0.064        | hypothetical protein                             |
| CRL4-A2      | 0.050 | 0.053 | 0.049        | 0.053        | hypothetical protein                             |
| CRL4-A2      | 0.038 | 0.041 | 0.037        | 0.041        | hypothetical protein                             |
| CRL4-A2      | 0.027 | 0.030 | 0.026        | 0.030        | hypothetical protein                             |
| CRL4-A2      | 0.015 | 0.018 | 0.014        | 0.018        | hypothetical protein                             |
| CRL4-A2      | 0.004 | 0.007 | 0.003        | 0.007        | hypothetical protein                             |

### Additional Information

- **CRL4-A2** is a protein involved in the actin cytoskeleton, affecting cell shape and movement.
- Other proteins listed include hypothetical proteins, binding proteins, and enzymes involved in various metabolic pathways and cellular processes.

This table provides a snapshot of the protein expressions and their corresponding gene expressions, highlighting the diverse roles and interactions within the cellular machinery.
| CNXL_021450 | CNCO6210 | -0.120733886 | 0.830440343 | putative ER membrane protein |
| CNXL_021460 | CNCO6220 | -0.799150347 | 0.132308784 | enoyl-CoA hydratase/isomerase |
| CNXL_021470 | CNCO6230 | -0.758994337 | NA | glycerate- and formate-dehydrogenase |
| CNXL_021480 | NA | NA | Unknown |
| CNXL_021490 | CNCO6240 | 0.383258086 | 0.311815332 | Unknown |
| CNXL_021500 | CNCO6250 | 0.401744154 | 0.634625988 | WD-repeat protein |
| CNXL_021510 | CNCO6260 | -0.545131781 | 0.12793218 | hypothetical protein |
| CNXL_021520 | CNCO6270 | 1.339293849 | 0.000112224 | hypothetical protein |
| CNXL_021530 | CNCO6280 | 0.327684883 | 0.370509035 | hypothetical protein |
| CNXL_021540 | CNCO6290 | 0.084278416 | 0.906691628 | hypothetical protein |
| CNXL_021550 | CNCO6300 | -0.826945579 | 0.02395945 | sorting nexin-4 |
| CNXL_021560 | CNCO6310 | 0.137121391 | 0.866730187 | hypothetical protein |
| CNXL_021570 | CNCO6320 | 0.22011748 | 0.659118995 | chlorophyll synthesis pathway protein BchC |
| CNXL_021580 | CNCO6330 | 0.03420568 | 0.962640129 | hypothetical protein |
| CNXL_021590 | CNCO6340 | -0.145600224 | 0.794943165 | hypothetical protein |
| CNXL_021600 | CNCO6350 | 0.418485389 | 0.276952897 | hypothetical protein |
| CNXL_021610 | CNCO6360 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021620 | CNCO6370 | -0.446767445 | 0.3055532 | hypothetical protein |
| CNXL_021630 | CNCO6380 | -0.204111202 | 0.702849493 | hypothetical protein |
| CNXL_021640 | CNCO6390 | -0.14845389 | 0.07952897 | hypothetical protein |
| CNXL_021650 | CNCO6400 | -0.509371501 | 0.50970094 | hypothetical protein |
| CNXL_021660 | CNCO6410 | -0.446767445 | 0.3055532 | hypothetical protein |
| CNXL_021670 | CNCO6420 | -0.204111202 | 0.702849493 | hypothetical protein |
| CNXL_021680 | CNCO6430 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021690 | CNCO6440 | -1.211153931 | 1.8838E-06 | hypothetical protein |
| CNXL_021700 | CNCO6450 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021710 | CNCO6460 | -0.446767445 | 0.3055532 | hypothetical protein |
| CNXL_021720 | CNCO6470 | -0.204111202 | 0.702849493 | hypothetical protein |
| CNXL_021730 | CNCO6480 | -0.509371501 | 0.50970094 | hypothetical protein |
| CNXL_021740 | CNCO6490 | -0.446767445 | 0.3055532 | hypothetical protein |
| CNXL_021750 | CNCO6500 | -0.204111202 | 0.702849493 | hypothetical protein |
| CNXL_021760 | CNCO6510 | -0.14845389 | 0.07952897 | hypothetical protein |
| CNXL_021770 | CNCO6520 | -0.509371501 | 0.50970094 | hypothetical protein |
| CNXL_021780 | CNCO6530 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021790 | CNCO6540 | -1.211153931 | 1.8838E-06 | hypothetical protein |
| CNXL_021800 | CNCO6550 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021810 | CNCO6560 | -0.446767445 | 0.3055532 | hypothetical protein |
| CNXL_021820 | CNCO6570 | -0.204111202 | 0.702849493 | hypothetical protein |
| CNXL_021830 | CNCO6580 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021840 | CNCO6590 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021850 | CNCO6600 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021860 | CNCO6610 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021870 | CNCO6620 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021880 | CNCO6630 | -0.436333261 | 0.27463373 | hypothetical protein |
| CNXL_021890 | CNCO6640 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021900 | CNCO6650 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021910 | CNCO6660 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021920 | CNCO6670 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021930 | CNCO6680 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021940 | CNCO6690 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021950 | CNCO6700 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021960 | CNCO6710 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021970 | CNCO6720 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021980 | CNCO6730 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_021990 | CNCO6740 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_022000 | CNCO6750 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_022010 | CNCO6760 | -0.0788754 | 0.893955723 | hypothetical protein |
| CNXL_022020 | CNCO6770 | -0.0788754 | 0.893955723 | hypothetical protein |
| Gene Family | Description                      | Log2 Fold Change | p-value   | FDR   | Similarity Score |
|------------|----------------------------------|-----------------|-----------|-------|-----------------|
| CNC06730   | hypothetical protein             | -0.221580177    | 0.703985737 |       |                 |
| CNC06740   | hypothetical protein             | 0.125335414     | 0.858651348 |       |                 |
| CNC06750   | protein CCHC domain-containing   | -0.81488302     | 0.110250219 | 0.9121 |                 |
| CNC06760   | hypothetical protein             | -0.098453897    | 0.885449489 |       |                 |
| CNC06770   | hypothetical protein             | 0.371934455     | 0.45163285 |       |                 |
| CNC06780   | hypothetical protein             | 0.763133386     | 0.163322941 |       |                 |
| CNC06790   | major facilitator superfamily transporter | -0.066307939 | 0.932840267 |       |                 |
| CNC06800   | hypothetical protein             | 1.019394425     | 0.057679889 |       |                 |
| CNC06810   | taurine dioxygenase              | 0.339989438     | 0.616861062 |       |                 |
| CNC06820   | hypothetical protein             | -0.25376299     | 0.748609863 |       |                 |
| CNC06830   | aminocyclitol 3-dehydrogenase    | -0.083918941    | 0.927235611 |       |                 |
| CNC06840   | hypothetical protein             | -0.026016629    | 0.977965004 |       | integral membrane protein |
| CNC06850   | protein phosphatase 5           | -0.037380826    | 0.95901729 |       |                 |
| CNC06860   | hypothetical protein             | 0.217792027     | 0.886997541 |       | myo-inositol 2-dehydrogenase |
| CNC06870   | hypothetical protein             | -0.112616705    | 0.843098307 |       |                 |
| CNC06880   | hypothetical protein             | -1.269937432    | NA        |       |                 |
| CNC06890   | hypothetical protein             | 1.189277791     | 6.63496E-06 |       |                 |
| CNC06900   | hypothetical protein             | 0.499030032     | 0.133115992 |       |                 |
| CNC06910   | hypothetical protein             | 0.223366447     | 0.76831241 |       |                 |
| CNC06920   | hypothetical protein             | -0.047940402    | 0.951846328 |       |                 |
| CNC06930   | hypothetical protein             | -0.325620232    | 0.519652797 |       |                 |
| CNC06940   | hypothetical protein             | -0.98444807     | 0.762405378 |       |                 |
| CNC06950   | hypothetical protein             | 0.88665355      | 0.004314918 |       | maltose O-acetyltransferase |
| CNC06960   | hypothetical protein             | -0.149402394    | 0.770559628 |       |                 |
| CNC06970   | hypothetical protein             | 0.600276168     | 0.106221376 |       | large subunit ribosomal protein L15-A |
| CNC06980   | hypothetical protein             | 0.154879044     | 0.779355929 |       | D-lactate dehydrogenase |
| CNC06990   | hypothetical protein             | -0.149337131    | 0.785196333 |       |                 |
| CNC07000   | hypothetical protein             | 0.078832486     | 0.908806903 |       | solute carrier family 25 |
| CNC07010   | hypothetical protein             | 0.162486767     | 0.742187954 |       |                 |
| CNC07020   | hypothetical protein             | 0.301270087     | 0.597306649 |       | large subunit ribosomal protein L12 |
| CNC07030   | hypothetical protein             | 0.39468883      | 0.882789264 |       |                 |
| CNC07040   | hypothetical protein             | -0.720975034    | 0.02517951 |       | monoxygenase |
| CNC07050   | hypothetical protein             | -0.012593743    | 0.987945663 |       | serine palmitoyltransferase |
| CNC07060   | hypothetical protein             | -0.18626833     | 0.707988087 |       |                 |
| CNC07070   | hypothetical protein             | -1.827103862    | 1.15058E-11 |       | phospholipid C9-methyltransferase |
| CNC07080   | hypothetical protein             | 0.265397741     | 0.635142308 |       |                 |
| CNC07090   | hypothetical protein             | 0.528120933     | 0.909552036 |       |                 |
| CNC07100   | hypothetical protein             | 0.459922985     | 0.280284344 |       | endoplasmic reticulum protein |
| CNC07110   | hypothetical protein             | -0.154547112    | 0.779355929 |       |                 |
| CNC07120   | hypothetical protein             | -0.880865451    | 0.237718322 |       | NADH dehydrogenase |
| CNC07130   | hypothetical protein             | 0.026609078     | 0.983980369 |       |                 |
| CNC07140   | hypothetical protein             | 0.083850139     | 0.920854816 |       |                 |
| CNC07150   | hypothetical protein             | -0.544249679    | 0.249506414 |       |                 |
| CNC07160   | hypothetical protein             | -0.357961428    | 0.567369556 |       | CDP-diacylglycerol-serine O-phosphotransferase |
| CNC07170   | hypothetical protein             | 0.014342302     | 0.987946663 |       |                 |
| CNC07180   | hypothetical protein             | 0.117236973     | 0.862678265 |       | solute carrier family 35 |
| CNC07190   | hypothetical protein             | 0.48641852      | 0.330443288 |       |                 |
| CNC07200   | hypothetical protein             | -2.45649039     | 3.05674E-31 |       |                 |
| CNC07210   | flavohemoglobin                  | 0.244232063     | 0.641901571 |       |                 |
| CNC07220   | hypothetical protein             | -0.233575565    | 0.660204343 |       |                 |
| CNC07230   | hypothetical protein             | -0.218462426    | 0.756597645 |       |                 |
| CNC07240   | hypothetical protein             | -0.738284552    | 0.779355929 |       |                 |
| CNC07250   | hypothetical protein             | 0.650642248     | 0.058979422 |       |                 |
| CNC07260   | hypothetical protein             | 1.543675205     | 1.16594E-06 |       | putative O-acetyltransferase |
| CNC07270   | hypothetical protein             | -0.210095942    | 0.700912881 |       | transketolase |
| CNC07280   | hypothetical protein             | 0.352221161     | 0.482188261 |       | myo-inositol transporter |
| Gene ID   | Description                                                                 | Log2 Fold Change | p Value | q Value |
|----------|------------------------------------------------------------------------------|-----------------|---------|---------|
| CND00220 | hypothetical protein                                                          | -0.859121079    | 0.003196301 | Unknown |
| CND00230 | ATP-binding cassette transporter                                              | 0.418338052     | 0.195548343 | Unknown |
| CND00240 | hypothetical protein                                                          | 0.262849229     | 0.634728039 | Hypothetical protein |
| CND00250 | hypothetical protein                                                          | 0.0126676       | 0.988641003 | Hypothetical protein |
| CND00260 | ATP-dependent DNA helicase                                                    | -0.197519163    | 0.746537956 | Unknown |
| CND00270 | hypothetical protein                                                          | -0.460673604    | 0.39413734 | Hypothetical protein |
| CND00280 | hypothetical protein                                                          | 0.410558431     | 0.30897417 | Multisite-specific tRNA |
| CND00290 | hypothetical protein                                                          | -0.257380215    | 0.539585872 | Rab family protein |
| CND00300 | hypothetical protein                                                          | 0.120590212     | 0.838178569 | Ferric reductase |
| CND00310 | hypothetical protein                                                          | 0.513904394     | 0.592750411 | Adenylate kinase |
| CND00320 | ATP-binding cassette transporter                                              | -0.996994487    | 0.00018715 | Hypothetical protein |
| CND00330 | hypothetical protein                                                          | -1.284100734     | 0.376373253 | Glutamate dehydrogenase |
| CND00340 | hypothetical protein                                                          | -0.062117988    | 0.927235611 | Unknown |
| CND00350 | hypothetical protein                                                          | -0.391341685    | 0.398556028 | Hypothetical protein |
| CND00360 | hypothetical protein                                                          | 0.783302901     | 0.179780745 | Zn2-Cys6 zinc-finger transcription factor |
| CND00370 | hypothetical protein                                                          | 0.47751044      | 0.253643137 | Unknown |
| CND00380 | hypothetical protein                                                          | -0.127498997    | 0.928118121 | Exocyst complex component protein |
| CND00390 | hypothetical protein                                                          | -0.154184391    | 0.755572574 | Hypothetical protein |
| CND00400 | hypothetical protein                                                          | -1.444092691    | 0.006227782 | Adenosylhomocysteinease |
| CND00410 | hypothetical protein                                                          | 0.923388962     | 0.495140189 | Hypothetical protein |
| CND00420 | hypothetical protein                                                          | 0.005106397     | 0.995735232 | Calcinurin b |
| CND00430 | hypothetical protein                                                          | 0.631296754     | 0.112183936 | Hypothetical protein |
| CND00440 | hypothetical protein                                                          | 0.266403651     | 0.510243991 | Hypothetical protein |
| CND00450 | hypothetical protein                                                          | 0.157147964     | 0.797632564 | ATP-binding cassette |
| CND00460 | hypothetical protein                                                          | 0.071201666     | 0.915477258 | Hypothetical protein |
| CND00470 | hypothetical protein                                                          | -0.242299885    | 0.55888162 | Hypothetical protein |
| CND00480 | hypothetical protein                                                          | -0.009020902    | 0.992176872 | Hypothetical protein |
| CND00490 | hypothetical protein                                                          | 0.952886768     | 0.001034672 | Zinc ion transporter |
| CND00500 | hypothetical protein                                                          | 0.64688971      | 0.057747856 | Transcription factor |
| CND00510 | hypothetical protein                                                          | 1.449054019     | 3.67929E-05 | Putative glucosidase |
| CND00520 | hypothetical protein                                                          | 0.397941052     | 0.500910612 | Multidrug efflux pump |
| CND00530 | hypothetical protein                                                          | -0.495251126    | 0.502368015 | Hypothetical protein |
| CND00540 | hypothetical protein                                                          | 0.632170885     | 0.998322722 | Hypothetical protein |
| CND00550 | hypothetical protein                                                          | 0.296624344     | 0.536793535 | Hypothetical protein |
| CND00560 | hypothetical protein                                                          | -0.349804478    | 0.377508109 | Hypothetical protein |
| CND00570 | hypothetical protein                                                          | 1.703221629     | 2.7694E-07 | Aflatoxin efflux pump AFLT |
| CND00580 | hypothetical protein                                                          | -0.557556531    | 0.161051858 | MFS transporter |
| CND00590 | hypothetical protein                                                          | 0.3185164       | 0.485277158 | Nucleolar pre-rbsosomal-associated protein 1 |
| CND00600 | hypothetical protein                                                          | -0.499830042    | 0.142026987 | Unknown |
| CND00610 | hypothetical protein                                                          | -4.209516469    | 7.53872E-80 | Phosphopantothenoylcysteine decarboxylase |
| CND00620 | hypothetical protein                                                          | 0.015097073     | 0.9898378 | Hypothetical protein |
| CND00630 | hypothetical protein                                                          | -0.48562034     | 0.332119185 | Phytanoyl-CoA dioxygenase |
| CND00640 | hypothetical protein                                                          | 0.010461635     | 0.98960551 | Amino acid transporter |
| CND00650 | hypothetical protein                                                          | -0.10125671     | 0.885449489 | Putative urea transporter |
| CND00660 | hypothetical protein                                                          | -0.686402981    | 0.149837648 | Putative beta-glucan synthase |
| CND00670 | hypothetical protein                                                          | 0.023519767     | 0.981240834 | Hypothetical protein |
| CND00680 | hypothetical protein                                                          | 0.178030316     | 0.784612376 | Transcription factor |
| CND00690 | hypothetical protein                                                          | -0.255511499    | 0.700912881 | Alkylbase DNA N-glycosylase |
| CND00700 | hypothetical protein                                                          | 0.867747908     | 0.003155339 | Carboxypeptidase D |
| CND00710 | hypothetical protein                                                          | 0.259397844     | 0.61372863 | Yjef family protein |
| CND00720 | hypothetical protein                                                          | -0.335875009    | 0.632998683 | Glutathione transferase |
| CND00730 | hypothetical protein                                                          | 0.36392517      | 0.516492158 | Hypothetical protein |
| CND00740 | hypothetical protein                                                          | -3.335902768    | 6.89405E-52 | Membrane protein |
| CND00750 | hypothetical protein                                                          | 0.749831645     | 0.016626382 | Hypothetical protein |
| CND00760 | hypothetical protein                                                          | 0.352057818     | 0.421670869 | Alpha-1 |
| CND00770 | hypothetical protein                                                          | -0.277142061    | 0.572463279 | Guanyl nucleotide binding protein |
| CND00780 | hypothetical protein                                                          | -0.202033388    | 0.690266807 | Peptidase |
| Accession | Description                  | Similarity | E-value     | Notes                  |
|-----------|------------------------------|------------|-------------|------------------------|
| CND00700 | hypothetical protein         | 0.703388134 | 0.012902916 | protein transporter     |
| CND00760 | flap endonuclease 1          | 0.631493779 | 0.071408618 | hypothetical protein    |
| CND00780 | carbamoyl-phosphate synthase | 0.902148461 | 0.068615652 | allantoinase            |
| CND00810 | argininosuccinate synthase   | 0.25992342  | 0.253927838 | exosome complex exonuclease |
| CND00870 | hypothetical protein         | 0.978794024 | 0.009708037 | glucan 1                |
| CND00940 | hypothetical protein         | 0.171923633 | 0.784304932 | Unknown                |
| CND00900 | hypothetical protein         | 0.175526295 | 2.4441E-07 | Unknown                |
| CND00950 | hypothetical protein         | 0.184134764 | 0.717376522 | Unknown                |
| CND00980 | hypothetical protein         | 0.199291116 | 0.679691843 | Unknown                |
| CND01060 | hypothetical protein         | 0.590405014 | 0.08989414 | aromatic-L-amino-acid decarboxylase |
| CND01070 | hypothetical protein         | 0.65090838 | 0.183277443 | hypothetical protein    |
| CND01090 | hypothetical protein         | 0.427485223 | 0.704314378 | hypothetical protein    |
| CND01110 | hypothetical protein         | 0.399063827 | 0.406574476 | hypothetical protein    |
| CND01120 | hypothetical protein         | 0.113851753 | 0.848021859 | hypothetical protein    |
| CND01130 | hypothetical protein         | 0.479634976 | 0.237021921 | vacuolar fusion protein MON1 |
| CND01140 | hypothetical protein         | 1.344704939 | 0.017719875 | hypothetical protein    |
| CND01150 | hypothetical protein         | 0.795011197 | 0.134439284 | hypothetical protein    |
| CND01160 | hypothetical protein         | 0.427360683 | 0.510006134 | beta-lactamase          |
| CND01170 | hypothetical protein         | 0.227544891 | 0.620923222 | hypothetical protein    |
| CND01180 | hypothetical protein         | 0.450305086 | 0.249559817 | carboxamyl-phosphate synthase |
| CND01190 | hypothetical protein         | 0.073591382 | 0.91248949 | VHS-domain-containing protein |
| CND01200 | hypothetical protein         | 0.52236284 | 0.105214931 | NADH dehydrogenase      |
| CND01210 | hypothetical protein         | 1.474996471 | 6.477086E-07 | copper uptake transporter |
| CND01220 | hypothetical protein         | 0.237613623 | 0.63756045 | hypothetical protein    |
| CND01230 | hypothetical protein         | 0.267152522 | 0.651490615 | hypothetical protein    |
| CND01240 | hypothetical protein         | 2.147681121 | 0.086815652 | hypothetical protein    |
| CND01250 | hypothetical protein         | 0.301293496 | 0.550631543 | glucose and ribitol dehydrogenase |
| CND01260 | hypothetical protein         | 0.00292815 | 0.996472611 | hypothetical protein    |
| CND01270 | hypothetical protein         | 0.186368155 | 0.734939207 | urm1 activating enzyme  |
| CND01280 | hypothetical protein         | 0.43692487 | 0.260424002 | prefoldin subunit       |
| CND01290 | hypothetical protein         | 0.57066528 | 0.622869303 | importin subunit beta-1 |
| CND01300 | hypothetical protein         | 0.025049296 | 0.970515325 | ubiquitin carboxyl-terminal hydrolase |
| CND01310 | hypothetical protein         | 0.137493006 | 0.814220979 | F-type H+-transporting ATPase subunit II |
| CND01320 | hypothetical protein         | 0.042407135 | 0.944879244 | flap endonuclease 1     |
| CND01330 | hypothetical protein         | 0.110145151 | 0.855051728 | argininosuccinate synthase |
| CND01340 | hypothetical protein         | 0.488394981 | 0.231393839 | hypothetical protein    |
| CND01350 | hypothetical protein         | 0.53679353 | 0.53679353 | hypothetical protein    |
| CND01360 | hypothetical protein         | 0.009708037 | 0.009708037 | hypothetical protein    |
| CND01370 | hypothetical protein         | 0.71725693 | 0.71725693 | known                   |
| CND01380 | hypothetical protein         | 0.529627838 | 0.529627838 | exosome complex exonuclease |
| CND01390 | hypothetical protein         | 0.465282827 | 0.529627838 | hypothetical protein    |
| CND01400 | hypothetical protein         | 0.448733973 | 0.448733973 | hypothetical protein    |
| Gene ID   | Log2 Fold Change | Predicted Function                        |
|----------|------------------|------------------------------------------|
| CND01280 | -0.441887022     | hypothetical protein                     |
| CND01290 | 0.069889527      | nuclear pore complex protein Nup155      |
| CND01310 | 0.808730787      | hypothetical protein                     |
| CND01320 | -0.357330352     | hypothetical protein                     |
| CND01330 | -2.564470788     | electron transporter                     |
| CND01340 | 0.129565502      | hypothetical protein                     |
| CND01350 | 0.266832957      | glutaredox                              |
| CND01360 | 1.036684859      | hypothetical protein                     |
| CND01370 | 0.407850813      | C2 domain-containing protein             |
| CND01380 | -0.788203333     | hypothetical protein                     |
| CND01400 | 0.520603198      | hypothetical protein                     |
| CND01430 | -0.202924724     | hypothetical protein                     |
| CND01440 | -0.135723989     | chromatin binding protein                |
| CND01450 | 0.405908786      | hypothetical protein                     |
| CND01470 | 0.443938212      | vacuolar membrane protein                |
| CND01480 | -0.059674467     | E3 ubiquitin-protein ligase SHPRH        |
| CND01490 | 0.006726596      | histone-lysine N-methyltransferase Su    |
| CND01500 | -0.915422151     | copper/zinc superoxide dismutase         |
| CND01510 | -0.348970179     | hypothetical protein                     |
| CND01520 | 0.657136626      | ATP phosphoribosyltransferase            |
| CND01530 | 0.089016419      | hypothetical protein                     |
| CND01550 | -0.687998517     | cohesin complex subunit SCC1             |
| CND01560 | 0.044244154      | translocation protein SEC72              |
| CND01570 | 0.443397313      | gamma-glutamyltransferase                |
| CND01580 | 0.057575901      | succinate-semialdehyde dehydrogenase     |
| CND01590 | 0.907964935      | hypothetical protein                     |
| CND01600 | 0.24746213      | impact family protein                    |
| CND01620 | 1.208735743      | hypothetical protein                     |
| CND01630 | 0.036753295      | hypothetical protein                     |
| CND01650 | 0.054520323      | hypothetical protein                     |
| CND01660 | 0.018843541      | exosome complex component CSL4           |
| CND01670 | 0.389498183      | 20S proteasome subunit alpha 4           |
| CND01680 | 0.340545385      | geranylgeranyl transferase type-2 subunit beta |
| CND01690 | -0.085249908     | DNA mismatch repair protein MLH3         |
| CND01700 | -0.223596314     | hypothetical protein                     |
| CND01720 | 0.557149231      | superkiller protein 3                    |
| CND01730 | 0.940603892      | carboxypeptidase D                       |
| CND01740 | 0.413667238      | hypothetical protein                     |
| CND01750 | 0.139201043      | dihydroceramidase                        |
| CND01760 | 0.628363591      | hypothetical protein                     |
| CND01770 | 1.3779665        | N                                       |
| CND01790 | -0.181983961     | hypothetical protein                     |
| CND01800 | -0.261182647     | hypothetical protein                     |
| CND01810 | 0.012090197      | HAACA ribonucleoprotein complex subunit 3|
| CND01820 | 0.07160608      | hypothetical protein                     |
| CND01830 | 1.195340547      | dynein 1                                  |
| CND01890 | -0.187231124     | hypothetical protein                     |
| CND01900 | 0.00165197       | Unknown                                  |
| CND01910 | 0.305137866      | vacuolar membrane protein                |
| Gene ID  | Description                                                                 | Log2FoldChange | p-value  |
|---------|------------------------------------------------------------------------------|----------------|----------|
| CNXL_024350 | hypothetical protein                                                        | 0.489167954    | 0.157782737 |
| CNXL_024360 | serine/threonine protein kinase                                               | -0.040743569   | 0.308102113 |
| CNXL_024370 | CAMK/CAMKL/PASK protein kinase                                                | -0.076953726   | 0.905178976 |
| CNXL_024380 | hypothetical protein                                                          | 0.771246937    | 0.006907933 |
| CNXL_024390 | hypothetical protein                                                          | 0.355167572    | 0.467252392 |
| CNXL_024400 | hypothetical protein                                                          | -1.217559676   | 4.92891E-06 |
| CNXL_024410 | hypothetical protein                                                          | 0.01408162     | 0.986620478 |
| CNXL_024420 | hypothetical protein                                                          | 0.343417909    | 0.478665355 |
| CNXL_024430 | hypothetical protein                                                          | -0.166638545   | 0.789040329 |
| CNXL_024440 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024450 | hypothetical protein                                                          | -0.166638545   | 0.789040329 |
| CNXL_024460 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024470 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024480 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024490 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024500 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024510 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024520 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024530 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024540 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024550 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024560 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024570 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024580 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024590 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024600 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024610 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024620 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024630 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024640 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024650 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024660 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024670 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024680 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024690 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024700 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024710 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024720 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024730 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024740 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024750 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024760 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024770 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024780 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024790 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024800 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024810 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024820 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024830 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024840 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024850 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024860 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024870 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024880 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024890 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024900 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024910 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |
| CNXL_024920 | hypothetical protein                                                          | -0.06497217    | 0.934677332 |

Note: The log2FoldChange and p-value columns represent the statistical significance of the expression change between the two conditions.
| Gene Name | Identifiers | Log2 Fold Change | p-value |
|-----------|-------------|------------------|---------|
| DRAP deaminase | CND02490 | -0.101875788 | 0.91272593 |
| hypothetical protein | CND02495 | -0.39112609 | 0.353576993 |
| hypothetical protein | CND02496 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02497 | 0.740480805 | 0.031096848 |
| hypothetical protein | CND02498 | -0.057661013 | 0.931289001 |
| hypothetical protein | CND02499 | -0.339528539 | 0.531504526 |
| lanosterol synthase | CND02500 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02501 | -0.39112609 | 0.353576993 |
| hypothetical protein | CND02502 | -0.057661013 | 0.931289001 |
| hypothetical protein | CND02503 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02504 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02505 | -0.39112609 | 0.353576993 |
| hypothetical protein | CND02506 | -0.057661013 | 0.931289001 |
| hypothetical protein | CND02507 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02508 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02509 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02510 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02511 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02512 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02513 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02514 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02515 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02516 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02517 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02518 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02519 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02520 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02521 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02522 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02523 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02524 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02525 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02526 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02527 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02528 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02529 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02530 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02531 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02532 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02533 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02534 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02535 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02536 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02537 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02538 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02539 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02540 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02541 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02542 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02543 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02544 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02545 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02546 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02547 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02548 | 0.109781652 | 0.868398587 |
| hypothetical protein | CND02549 | -0.339528539 | 0.531504526 |
| hypothetical protein | CND02550 | 0.109781652 | 0.868398587 |
| Gene Barcode | Functional Description |
|--------------|-----------------------|
| CNXL_025510  | CND03050 -0.403546464 0.394137344 hypothetical protein |
| CNXL_025520  | CND03060 -0.029049953 0.965101267 hypothetical protein |
| CNXL_025530  | CND03070 -0.006351416 0.992176872 small subunit ribosomal protein S27 Ae |
| CNXL_025540  | CND03080 0.051200415 0.948286148 cytoplasmic protein |
| CNXL_025550  | CND03090 0.650161641 0.039924281 bar-SH3 domain protein |
| CNXL_025560  | CND03100 -0.615131598 0.060383523 hypothetical protein |
| CNXL_025570  | CND03110 -0.216806303 0.665556981 hsp70-like protein |
| CNXL_025580  | CND03120 -0.043015894 0.952658811 hypothetical protein |
| CNXL_025590  | CND03130 -0.614183989 0.071240987 ribosome production factor 2 |
| CNXL_025600  | CND03140 -0.533772327 0.129163389 peroxin-19 |
| CNXL_025610  | CND03150 0.076563718 0.902044607 DNA-directed RNA polymerase I subunit RPA1 |
| CNXL_025620  | CND03160 0.1606949 0.765345666 vesicle transporter SEC22 |
| CNXL_025630  | CND03170 0.178349213 0.771763303 long-chain fatty acid transporter |
| CNXL_025640  | CND03180 -1.408695883 0.047255368 hypothetical protein |
| CNXL_025650  | CND03190 -1.064848663 0.000140314 Unknown |
| CNXL_025660  | CND03190 0.029940141 0.969179648 hypothetical protein |
| CNXL_025670  | CND03200 0.329538965 0.443697582 cation-transporting ATPase 13 A3/45 |
| CNXL_025680  | CND03210 -0.492451491 0.188739467 tyrosyl-DNA phosphodiesterase 1 |
| CNXL_025690  | CND03220 -0.137766319 0.813525402 ran GTPase-activating protein 1 |
| CNXL_025700  | CND03230 -0.547222339 0.259411381 small nuclear ribonucleoprotein F |
| CNXL_025710  | CND03240 0.430372075 0.338239663 nuclear pore complex protein Nup62 |
| CNXL_025720  | CND03250 0.000966006 0.998007755 pre-mRNA-splicing factor 38A |
| CNXL_025730  | CND03260 -0.118397882 0.890150525 hypothetical protein |
| CNXL_025740  | CND03270 0.139316824 0.813710183 hypothetical protein |
| CNXL_025750  | CND03280 -0.706865006 0.033430524 dual specificity phosphatase 12 |
| CNXL_025760  | CND03290 -0.422199108 0.389060855 ATP synthase F1 |
| CNXL_025770  | CND03300 0.611461039 0.089107701 CCAAT-binding transcription factor |
| CNXL_025780  | CND03310 0.14682064 0.770005211 HAD hydrolase |
| CNXL_025790  | CND03320 -0.317923403 0.485492767 hypothetical protein |
| CNXL_025800  | CND03330 -0.015919528 0.985173026 Ca |
| CNXL_025810  | CND03340 0.996184156 0.000820569 1-phosphatidylinositol-3-phosphate 5-kinase |
| CNXL_025820  | CND03350 0.069538124 0.919196787 hypothetical protein |
| CNXL_025830  | CND03360 0.942694316 0.002832908 hypothetical protein |
| CNXL_025840  | CND03370 0.5320974 0.107144034 hypothetical protein |
| CNXL_025850  | CND03380 -0.224736344 0.751851166 hypothetical protein |
| CNXL_025860  | CND03390 -0.11675045 0.840322617 alpha 1 |
| CNXL_025870  | CND03390 0.003662795 0.996158838 hypothetical protein |
| CNXL_025880  | CND03400 -0.228859127 0.626496712 6-phosphogluconolactonase |
| CNXL_025890  | CND03410 0.987760606 0.000106528 protein MPE1 |
| CNXL_025900  | CND03420 0.109813065 0.881830184 hypothetical protein |
| CNXL_025910  | CND03430 0.096477374 0.883172612 mitochondrial FAD-linked sulfhydryl oxidase ERV1 |
| CNXL_025920  | CND03440 -0.071635903 0.914458963 di-trans |
| CNXL_025930  | CND03450 0.098812677 0.952241718 DNA-directed RNA polymerase II subunit RPB2 |
| CNXL_025940  | CND03460 -0.147037609 0.7711234374 hypothetical protein |
| CNXL_025950  | CND03470 0.352765491 0.662151848 large subunit ribosomal protein L18-A |
| CNXL_025960  | CND03470 -0.475248112 0.315823773 hypothetical protein |
| CNXL_025970  | CND03480 0.045250489 0.964416464 hypothetical protein |
| CNXL_025980  | CND03490 -0.127879251 0.830440343 L-mandelate dehydrogenase |
| CNXL_025990  | CND03500 0.137921641 0.806543943 chitin-deacetylase |
| CNXL_026000  | CND03510 -0.443900577 0.269459866 agmatinase |
| CNXL_026010  | CND03520 -0.820376627 0.004259069 putative calcium-transporting ATPase |
| CNXL_026020  | CND03530 0.793072425 0.022422038 hypothetical protein |
| CNXL_026030  | CND03540 -0.122701658 0.808723333 spore wall assembly-associated protein |
| CNXL_026040  | CND03550 0.088673376 0.885831771 DNA-directed RNA polymerase II subunit RPB2 |
| CNXL_026050  | CND03560 0.446990215 0.271524617 tRNA-processing protein EBP2 |
| CNXL_026060  | CND03570 0.218209115 0.650597919 hypothetical protein |
| CNXL_026070  | CND03580 0.111222175 0.818425191 arginine biosynthesis ArgJ |
| CNXL_026080  | CND03590 0.213405452 0.63888365 chitin deacetylase |
| Gene ID | Description                                      | Log2 Fold Change | P-value       |
|---------|--------------------------------------------------|-----------------|---------------|
| CND03600 | enzyme regulator                                 | -0.328827001    | 0.492041786   |
| CND03610 | CCAT-binding transcription factor                | -0.712159758    | 0.095121736   |
| CND03620 | histone-lysine N-methyltransferase              | 0.566679655     | 0.099263361   |
| CND03630 | hypothetical protein                            | -0.377233228    | 0.311813532   |
| CND03640 | ribosomal protein                              | 0.178049617     | 0.770559628   |
| CND03650 | hypothetical protein                            | 0.081948197     | 0.902229878   |
| CND03660 | vacuole morphology and inheritance protein 14   | -0.375254512    | 0.445982809   |
| CND03670 | hypothetical protein                            | -0.276409043    | 0.623549135   |
| CND03680 | ribosomal protein                              | -0.163728589    | 0.733041323   |
| CND03690 | e3 ubiquitin-protein ligase                     | -0.362334532    | 0.334301792   |
| CND03700 | thioulate/3-mercaptopyruvate sulfurtransferase   | 0.062364805     | 0.902254084   |
| CND03710 | hypothetical protein                            | -0.305501389    | 0.643890318   |
| CND03720 | protein-tyrosine-phosphatase                    | -1.875738116     | 1.13787E-15   |
| CND03730 | hypothetical protein                            | -0.225931885    | 0.626170102   |
| CND03740 | hypothetical protein                            | 0.218907499     | 0.615328522   |
| CND03750 | aldo-keto reductase                             | -0.659831134    | 0.063702758   |
| CND03760 | hypothetical protein                            | -0.03017457     | 0.968722319   |
| CND03770 | hypothetical protein                            | 0.183642611     | 0.66461114    |
| CND03780 | hypothetical protein                            | 1.182745331     | 1.13787E-15   |
| CND03790 | hypothetical protein                            | 0.112404078     | 0.861760083   |
| CND03800 | ATP-dependent protease La                      | -0.103660113    | 0.893955723   |
| CND03810 | hypothetical protein                            | 0.174310772     | 0.675638659   |
| CND03820 | hypothetical protein                            | 0.24089957      | 0.595850448   |
| CND03830 | myosin I binding protein                       | -1.321975488    | 5.53674E-07   |
| CND03840 | G-protein beta subunit                          | 0.188279028     | 0.717347987   |
| CND03850 | vacuolar transporter chaperone 4               | -0.231044706    | 0.616956521   |
| CND03860 | hypothetical protein                            | 0.525307416     | 0.176678435   |
| CND03870 | charged multivesicular body protein 6          | -0.12404078     | 0.861760083   |
| CND03880 | ATP-dependent protease La                      | -0.103660113    | 0.893955723   |
| CND03890 | hypothetical protein                            | 0.174310772     | 0.675638659   |
| CND03900 | asparagine-tRNA ligase                         | -0.04453632     | 0.949084374   |
| CND03910 | hypothetical protein                            | 0.147528145     | 0.782173947   |
| CND03920 | pre-mRNA-slicing factor ISY1                    | -1.254334232    | 0.000168645   |
| CND03930 | hypothetical protein                            | 0.114664327     | 0.827849494   |
| CND03940 | cellular nucleic acid-binding protein           | 0.030055675     | 0.990777629   |
| CND03950 | coatamer subunit gamma                         | 0.01055684      | 0.990080847   |
| CND03960 | hypothetical protein                            | 0.001707004     | 0.999474019   |
| CND03970 | hypothetical protein                            | -1.277101009    | 4.27275E-07   |
| CND03980 | hypothetical protein                            | -0.573318237    | 0.10562276    |
| CND03990 | hypothetical protein                            | 0.067662724     | 0.920695859   |
| CND04000 | ubiquitin-conjugating enzyme E2 S              | 0.450432466     | 0.30897417    |
| CND04010 | ATPase                                          | 0.181993326     | 0.699872164   |
| CND04020 | hypothetical protein                            | 0.163107352     | 0.746347427   |
| CND04030 | beta-1                                          | 0.096679572     | 0.879531297   |
| CND04040 | ATPase                                          | -0.319951366    | 0.687195736   |
| CND04050 | Aur protein kinase                              | 0.375201786     | 0.376662948   |
| CND04060 | Aur protein kinase                              | -0.030920645    | 0.955507961   |
| CND04070 | NADH-ubiquinone oxidoreductase 51 kDa subunit   | -0.174518868    | 0.802549726   |
| CND04080 | solute carrier family 25                        | 0.37350315      | 0.361761993   |
| CND04090 | hypothetical protein                            | 0.203403636     | 0.985595171   |
| CND04100 | hypothetical protein                            | -1.29404908     | 0.000104772   |
| CND04110 | hypothetical protein                            | -0.281956889    | 0.664165041   |
| CND04120 | pol II transcription elongation factor          | -0.361002953    | 0.414496592   |
| CND04130 | hypothetical protein                            | 0.373995767     | 0.372306093   |
| CND04140 | inositol-pentakisphosphate 2-kinase             | 0.653097778     | 0.039924281   |
acyl carrier protein
hypothetical protein
lysophospholipase NTE1
hypothetical protein
small subunit ribosomal protein S21e
hypothetical protein
methionine-tRNA ligase
chromodomain-helicase-DNA-binding protein 3
endoplasmic reticulum protein
protein NRD1
arf/Sar family protein
nucleolar protein
casein kinase I
proteasome maturation protein
hypothetical protein
vacuolar protein
protein transporter
replication protein
sodium/hydrogen exchanger 3
large subunit ribosomal protein L17
acyl carrier protein
hypothetical protein
ubiquinol-cytochrome c reductase subunit 7
hypothetical protein
DASH complex subunit SPC19
hypothetical protein
small subunit ribosomal protein S24e
Haspin protein kinase
hypothetical protein
small subunit ribosomal protein S2
co-chaperone
cyanate hydratase
hypothetical protein
DNA-directed RNA polymerase I
putative ubiquitin ligase
hypothetical protein
hypothetical protein
hypothetical protein
mannose-6-phosphate isomerase
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
hypothetical protein
ATPase
mannose-6-phosphate isomerase
hypothetical protein
hypothetical protein
co-chaperone
cyanate hydratase
hypothetical protein
DNA-directed RNA polymerase I
putative ubiquitin ligase
hypothetical protein
hypothetical protein
hypothetical protein
| Gene Name | Description |
|-----------|-------------|
| thioredoxin |  |
| hypothetical protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| pumilio domain-containing protein c |  |
| hypothetical protein |  |
| DNA-directed RNA polymerase II subunit RPB7 |  |
| regulator of G protein signaling |  |
| cell cycle control protein cwf19 |  |
| XPA-binding protein 1 |  |
| guanylate kinase |  |
| hypothetical protein |  |
| actin-binding protein homolog |  |
| stress response protein NST1 |  |
| hypothetical protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| adenine phosphoribosyltransferase |  |
| cell division cycle protein 37 |  |
| hypothetical protein |  |
| hypothetical protein |  |
| ATP-dependent RNA helicase DOB1 |  |
| hypothetical protein |  |
| actin binding protein |  |
| eclair-PA |  |
| hsp71-like protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| PH and SEC7 domain-containing protein |  |
| scaffold-type e3 ligase |  |
| phosphatidate phosphatase LPIN |  |
| putative polyadenylated mRNA-binding protein |  |
| hypothetical protein |  |
| hypothetical protein |  |
| PH and SEC7 domain-containing protein |  |
| Gene ID | Description                  | Value       | Function                                      |
|--------|------------------------------|-------------|-----------------------------------------------|
| CND05280 | hypothetical protein         | 0.979872962 | 0.002570666 hypothetical protein              |
| CND05290 | hypothetical protein         | 0.30441901  | 0.474675516 hypothetical protein              |
| CND05300 | hypothetical protein         | 0.734774704 | 0.053535967 hypothetical protein              |
| CND05310 | hypothetical protein         | 0.653395535 | 0.070979277 Unknown                          |
| CND05320 | hypothetical protein         | -0.398812995  | 0.308102113 hypothetical protein             |
| CND05330 | hypothetical protein         | -0.582537194  | 0.044950679 hypothetical protein             |
| CND05340 | hypothetical protein         | 1.005651089 | 0.004408514 hypothetical protein              |
| CND05350 | hypothetical protein         | 0.027392163 | 0.970515325 endoplasmic reticulum protein     |
| CND05360 | hypothetical protein         | 0.273105408 | 0.510006134 hypothetical protein              |
| CND05370 | hypothetical protein         | 0.509453604 | 0.453722961 hypothetical protein              |
| CND05380 | hypothetical protein         | 0.205918805 | 0.648500229 hypothetical protein              |
| CND05390 | hypothetical protein         | -0.218982764 | 0.623094586 vacuolar protein sorting 26     |
| CND05400 | hypothetical protein         | 0.267307343 | 0.570476424 translation initiation factor 5A |
| CND05410 | hypothetical protein         | -0.020298485 | 0.985173026 hypothetical protein             |
| CND05420 | hypothetical protein         | 0.072855949 | 0.919196787 hypothetical protein              |
| CND05430 | hypothetical protein         | 0.106739484 | 0.867958111 hypothetical protein              |
| CND05440 | hypothetical protein         | -0.658287302 | 0.103546355 ribosome assembly protein 4     |
| CND05450 | hypothetical protein         | -0.072850764 | 0.912722593 hypothetical protein              |
| CND05460 | hypothetical protein         | 0.251996766 | 0.606495206 serine-tRNA ligase               |
| CND05470 | hypothetical protein         | 0.013777717 | 0.986747477 hypothetical protein              |
| CND05480 | hypothetical protein         | -0.44402801 | 0.406574476 bsosomal RNA assembly protein     |
| CND05490 | hypothetical protein         | 0.083000703 | 0.996238287 transcription factor             |
| CND05500 | hypothetical protein         | 0.844702377 | 0.02488041 U4/U6 small nuclear ribonucleoprotein PRP4 |
| CND05510 | hypothetical protein         | 0.205616776 | 0.679276465 hypothetical protein              |
| CND05520 | hypothetical protein         | 0.066360869 | 0.916191462 hypothetical protein              |
| CND05530 | hypothetical protein         | -0.163827426 | 0.814408545 cysteine desulfurase IscS       |
| CND05540 | hypothetical protein         | 0.141075266 | 0.824564918 hypothetical protein              |
| CND05550 | hypothetical protein         | 0.121512613 | 0.830676885 mRNA polymerase II subunit        |
| CND05560 | hypothetical protein         | 0.943674715 | 0.006918635 autophagy-related protein         |
| CND05570 | hypothetical protein         | -0.080221739 | 0.916191462 heat shock protein               |
| CND05580 | hypothetical protein         | 0.417753086 | 0.261605186 hypothetical protein              |
| CND05590 | hypothetical protein         | -0.440107652 | 0.331351174 pantoate-beta-alanine ligase      |
| CND05600 | hypothetical protein         | -0.67536966 | 0.112183936 putative nuclear gtp-binding protein |
| CND05610 | hypothetical protein         | -0.232490012 | 0.663234353 Unknown                          |
| CND05620 | hypothetical protein         | 0.241469234 | 0.557606572 mat3 pheromone repeat protein     |
| CND05630 | hypothetical protein         | -0.274128772 | 0.492041786 serine/threonine-protein kinase  |
| CND05640 | hypothetical protein         | -4.66104126 | 5.97947E-92 bpip/pz domain protein            |
| CND05650 | hypothetical protein         | -5.002839628 | 1.51817E-64 Unknown                          |
| CND05660 | hypothetical protein         | -0.298981833 | 0.534266327 Unknown                          |
| CND05670 | hypothetical protein         | -0.208508878 | 0.663234353 Unknown                          |
| CND05680 | hypothetical protein         | -0.304763207 | 0.413169928 Unknown                          |
| CND05690 | hypothetical protein         | -3.466411843 | 3.46662055 ste/ste20/paka protein kinase      |
| CND05700 | hypothetical protein         | -3.246942798 | 4.73305E-47 Unknown                          |
| CND05710 | hypothetical protein         | -0.882672473 | 0.001150796 a-factor pheromone receptor       |
| CND05720 | hypothetical protein         | -0.61277593 | 0.078954247 ste-like transcription factor    |
| CND05730 | hypothetical protein         | 0.242522476 | 0.57573283 RNA-directed mRNA polymerase     |
| CND05740 | hypothetical protein         | -0.196906336 | 0.638320737 armadillo/beta-catenin repeat protein |
| CND05750 | hypothetical protein         | -0.121630452 | 0.830440343 putative dihydrolipoyl dehydrogenase |
| CND05760 | hypothetical protein         | -0.393420369 | 0.496574337 cdcl-family polyA polymerase     |
| CND05770 | hypothetical protein         | -0.063285846 | 0.934642219 hypothetical protein             |
| CND05780 | hypothetical protein         | -0.329051565 | 0.55313399 Unknown                          |
| CND05790 | hypothetical protein         | -0.906976704 | 0.078923725 Unknown                          |
| CND05800 | hypothetical protein         | 0.930572386 | NA Unknown                                    |
| CND05810 | hypothetical protein         | 0.407520099 | NA Unknown                                    |

Note: The table lists various hypothetical proteins and their associated values.
| Gene Identifier | Description | Log2 Fold Change | P-Value |
|-----------------|-------------|-----------------|---------|
| CNXL_028410 CND05900 | -0.104572569 | 0.86171371 | Unknown |
| CNXL_028420 CND05910 | 0.963427442 | 0.017977728 | protein of unknown function |
| CNXL_028430 CND05920 | -0.092430559 | 0.874351584 | Unknown |
| CNXL_028440 CND05930 | -0.057391844 | 0.934219437 | large subunit ribosomal protein L22e |
| CNXL_028450 CND05940 | 0.131570408 | 0.801583128 | phospholipase D1 |
| CNXL_028460 CND05950 | -3.028068672 | 1.40855E-38 | O-glucosyltransferase |
| CNXL_028470 CND05960 | 0.074283882 | 0.920669589 | alpha cell-type homeodomain transcription factor |
| CNXL_028480 CND05970 | -0.037612591 | 0.445982809 | Unknown |
| CNXL_028490 CND05980 | -0.055739184 | 0.934219437 | large subunit ribosomal protein L22e |
| CNXL_028500 CND05990 | 0.100750596 | 0.801583128 | phospholipase D1 |
| CNXL_028510 CND06010 | 1.142616289 | 0.552709896 | hypothetical protein |
| CNXL_028520 CND06020 | -0.563469125 | 0.296205552 | hypothetical protein |
| CNXL_028530 CND06030 | -0.290483941 | 0.602461418 | hypothetical protein |
| CNXL_028540 CND06040 | -0.337615291 | 0.445982809 | hypothetical protein |
| CNXL_028550 CND06050 | -0.276628937 | 0.483451258 | hypothetical protein |
| CNXL_028560 CND06060 | -0.677849614 | 0.040667013 | hypothetical protein |
| CNXL_028570 CND06070 | -0.029483941 | 0.602461418 | hypothetical protein |
| CNXL_028580 CND06080 | 0.276628937 | 0.483451258 | hypothetical protein |
| CNXL_028590 CND06090 | -0.193921553 | 0.701325477 | hypothetical protein |
| CNXL_028600 CND06100 | -0.171463761 | 0.747332879 | hypothetical protein |
| CNXL_028610 CND06110 | 0.276628937 | 0.483451258 | hypothetical protein |
| CNXL_028620 CND06120 | -0.677849614 | 0.040667013 | hypothetical protein |
| CNXL_028630 CND06130 | -0.531327403 | 0.249615143 | hypothetical protein |
| CNXL_028640 CND06140 | -0.269205888 | 0.615520877 | hypothetical protein |
| CNXL_028650 CND06150 | -0.271785618 | 0.801583128 | hypothetical protein |
| CNXL_028660 CND06160 | 0.324021731 | 0.483451258 | hypothetical protein |
| CNXL_028670 CND06170 | 0.159882896 | 0.773095399 | hypothetical protein |
| CNXL_028680 CND06180 | 0.021265381 | 0.981240834 | hypothetical protein |
| CNXL_028690 CND06190 | 0.131672391 | 0.847962325 | hypothetical protein |
| CNXL_028700 CND06200 | -0.116569949 | 0.861349479 | hypothetical protein |
| CNXL_028710 CND06210 | -0.19587215 | 0.63652734 | hypothetical protein |
| CNXL_028720 CND06220 | -0.271472652 | 0.614293413 | hypothetical protein |
| CNXL_028730 CND06230 | 0.312192724 | 0.56064266 | hypothetical protein |
| CNXL_028740 CND06240 | 0.217320344 | 0.800552138 | hypothetical protein |
| CNXL_028750 CND06250 | 0.324021731 | 0.84281215 | hypothetical protein |
| CNXL_028760 CND06260 | 0.580498106 | 0.22706646 | hypothetical protein |
| CNXL_028770 CND06270 | -0.21099755 | 0.48321215 | hypothetical protein |
| CNXL_028780 CND06280 | -0.087496687 | 0.519652797 | hypothetical protein |
| CNXL_028790 CND06290 | 0.276628937 | 0.483451258 | hypothetical protein |
| CNXL_028800 CND06300 | 0.131672391 | 0.847962325 | hypothetical protein |
| CNXL_028810 CND06310 | 0.116569949 | 0.861349479 | hypothetical protein |
| CNXL_028820 CND06320 | -0.19587215 | 0.63652734 | hypothetical protein |
| CNXL_028830 CND06330 | -0.271472652 | 0.614293413 | hypothetical protein |
| CNXL_028840 CND06340 | 0.312192724 | 0.56064266 | hypothetical protein |
| CNXL_028850 CND06350 | 0.217320344 | 0.800552138 | hypothetical protein |
| CNXL_028860 CND06360 | 0.324021731 | 0.84281215 | hypothetical protein |
| CNXL_028870 CND06370 | 0.580498106 | 0.22706646 | hypothetical protein |
| CNXL_028880 CND06380 | -0.21099755 | 0.48321215 | hypothetical protein |
| CNXL_028890 CND06390 | -0.21099755 | 0.48321215 | hypothetical protein |
| CNXL_028900 CND06400 | -0.21099755 | 0.48321215 | hypothetical protein |
| CNXL_028910 CND06410 | 0.806987965 | 0.00814874 | hypothetical protein |
| CNXL_028920 CND06420 | 0.114440462 | 0.861981252 | hypothetical protein |
| CNXL_028930 CND06430 | -0.365195431 | 0.25340843 | hypothetical protein |
| CNXL_028940 CND06440 | -0.365195431 | 0.25340843 | hypothetical protein |
| CNXL_028950 CND06450 | -0.365195431 | 0.25340843 | hypothetical protein |
| CNXL_028960 CND06460 | 0.806987965 | 0.00814874 | hypothetical protein |
| CNXL_028970 CND06470 | 0.114440462 | 0.861981252 | hypothetical protein |
| CNXL_028980 CND06480 | 0.114440462 | 0.861981252 | hypothetical protein |
| Protein Name | Gene ID | Logarithmic Ratio | p-Value | Description |
|--------------|---------|-------------------|---------|-------------|
| CNE00120 | CNE00080 | 0.0 | NA | translation machinery-associated protein 16 |
| CNE00100 | CNE00110 | -0.508084281 | 0.335282372 | hypothetical protein |
| CNE00200 | CNE00110 | 0.470749721 | 0.175271548 | Unknown |
| CNE00200 | CNE00110 | 0.324677277 | 0.69874241 | Zn2-Cys6 zinc-finger transcription factor |
| CNE00300 | CNE00120 | 0.822744102 | 0.004325636 | Unknown |
| CNE00400 | CNE00130 | -0.504152862 | 0.628625129 | fructosamine kinase |
| CNE00500 | CNE00150 | 1.099205398 | 0.080336086 | Unknown |
| CNE00600 | CNE00160 | 0.415777278 | 0.294515322 | hypothetical protein |
| CNE00700 | CNE00170 | 0.475901392 | 0.15288731 | hypothetical protein |
| CNE00800 | CNE00190 | -0.156821278 | 0.793711563 | cobalamin synthesis protein |
| CNE00900 | CNE00200 | -0.268345256 | 0.540113713 | nuclear pore complex protein Nup205 |
| CNE01000 | CNE00210 | 0.058765312 | 0.921544337 | transferase |
| CNE01100 | CNE00220 | -4.276758487 | 4.24586E-05 | inorganic pyrophosphatase |
| CNE01200 | CNE00230 | 1.014861293 | 0.000886974 | DNA repair protein Swi5/Sae3 |
| CNE01300 | CNE00240 | -0.332984826 | 0.354037215 | hypothetical protein |
| CNE01400 | CNE00250 | -0.240255262 | 0.628625129 | fructosamine kinase |
| CNE01500 | CNE00260 | -0.627517072 | 0.061588564 | cyclin-dependent protein kinase inhibitor |
| CNE01600 | CNE00270 | -0.41522315 | 0.232022599 | hypothetical protein |
| CNE01700 | CNE00350 | 0.154905884 | 0.91113085 | AAT family amino acid transporter |
| CNE01800 | CNE00360 | -0.206234363 | 0.776535714 | hypothetical protein |
| CNE01900 | CNE00380 | -0.073853796 | 0.939627791 | putative TFIID and saga complex component |
| CNE02000 | CNE00390 | -0.266253504 | 0.749050005 | hypothetical protein |
| CNE02100 | CNE00400 | 0.029705187 | 0.970488713 | tRNA Z-phosphotransferase |
| CNE02200 | CNE00410 | -0.193814373 | 0.765354566 | hypothetical protein |
| CNE02300 | CNE00420 | 0.207843884 | 0.703985737 | D-amino acid oxidase |
| CNE02400 | CNE00430 | 0.347320979 | 0.534447681 | Unknown |
| CNE02500 | CNE00450 | -2.101598422 | 1.04479E-10 | Unknown |
| CNE02600 | CNE00460 | -0.308769306 | 0.524381096 | mitogen activated protein kinase |
| CNE02700 | CNE00470 | -0.831776353 | 0.042705195 | hypothetical protein |
| CNE02800 | CNE00480 | -1.978245564 | 4.6373E-12 | hypothetical protein |
| CNE02900 | CNE00490 | 0.066618909 | 0.925141393 | hypothetical protein |
| CNE03000 | CNE00500 | -1.788145433 | 9.43932E-08 | multidrug transporter |
| CNE03100 | CNE00510 | -0.411958874 | 0.394293269 | hypothetical protein |
| CNE03200 | CNE00520 | 0.1904569 | 0.746237137 | hypothetical protein |
| CNE03300 | CNE00530 | -1.201063921 | 0.000623829 | hypothetical protein |
| CNE03400 | CNE00540 | -0.840077945 | 0.028997881 | hypothetical protein |
| CNE03500 | CNE00550 | 0.035298568 | 0.963190895 | Unknown |
| CNE03600 | CNE00560 | -0.534977034 | 0.548869305 | mitochondrial carrier protein |
| CNE03700 | CNE00570 | -0.316402317 | 0.613703345 | hypothetical protein |
| CNE03800 | CNE00580 | 0.132388982 | 0.809305305 | DNA-directed RNA polymerase III subunit RPC4 |
| CNE03900 | CNE00590 | -0.20459742 | 0.982102702 | mitochondria fission 1 protein |
| CNE04000 | CNE00600 | 0.262361924 | 0.65287141 | hypothetical protein |
| CNE04100 | CNE00610 | -0.103211331 | 0.87555787 | hypothetical protein |
| CNE04200 | CNE00620 | 0.121804986 | 0.842469317 | hypothetical protein |
| CNE04300 | CNE00630 | -0.292449048 | 0.474482847 | COP9 signalosome complex subunit 1 |
| CNE04400 | CNE00640 | -1.729634784 | 4.32459E-13 | DNA repair protein RAD16 |
| CNE04500 | CNE00650 | -0.490996128 | 0.194911786 | CMGC/MAPK protein kinase |
| CNE04600 | CNE00660 | -1.356903542 | 0.05908683 | hypothetical protein |
| CNE04700 | CNE00670 | -1.162793294 | 0.001095047 | hypothetical protein |
| CNE04800 | CNE00680 | -0.276966405 | 0.647485945 | hypothetical protein |
| CNE04900 | CNE00690 | -0.001864861 | 0.996833113 | translation initiation factor 3 subunit H |
| CNE05000 | CNE00700 | -0.22810937 | 0.701325477 | 3 |
| CNE05100 | CNE00710 | -0.218237437 | 0.64885828 | cardiolipin-specific phospholipase |
| CNE05200 | CNE00720 | 0.36717586 | 0.445982809 | hypothetical protein |
| CNE05300 | CNE00730 | -0.17739756 | 0.766858347 | glutathione peroxidase |
| CNE05400 | CNE00740 | 0.259171545 | 0.584869453 | ATP-dependent RNA helicase DBP3 |
| CNE05500 | CNE00750 | -0.085419004 | 0.88268871 | hypothetical protein |
| CNE05600 | CNE00760 | -2.250052787 | NA | calnexin |
| Gene_ID | Log2FoldChange | pValue | Description |
|---------|----------------|--------|-------------|
| CNE00620 | 0.709561461 | 0.902044607 | hypothetical protein |
| CNE00630 | -0.550067171 | 0.083397364 | hypothetical protein |
| CNE00640 | 0.395127216 | 0.434147477 | thaumatin family protein |
| CNE00650 | -0.186447033 | 0.785196333 | hypothetical protein |
| CNE00660 | -0.104856912 | 0.912281765 | cytoplasmic protein |
| CNE00670 | 0.120156723 | 0.842469317 | carboxypeptidase D |
| CNE00680 | 0.071709011 | 0.917445028 | hypothetical protein |
| CNE00690 | -0.727367013 | 0.986551642 | peptidyl-prolyl cis-trans isomerase-like 3 |
| CNE00700 | 0.090196003 | 0.8877677 | nuclear protein |
| CNE00710 | -0.334362498 | 0.393252659 | DNA repair protein MRE11 |
| CNE00720 | -1.459420566 | 6.47706E-07 | alcohol dehydrogenase |
| CNE00730 | -0.022915457 | 0.982102720 | methionyl-tRNA formyltransferase |
| CNE00740 | -0.253650703 | 0.542988663 | 3-hydroxy acyl-CoA dehydrogenase |
| CNE00750 | 0.097102025 | 0.856294453 | translation initiation factor 2 subunit 2 |
| CNE00760 | -0.031724734 | 0.970515325 | ATP synthase F1 |
| CNE00770 | 0.372263099 | 0.427104346 | peptidyl-prolyl cis-trans isomerase |
| CNE00780 | -0.291357553 | 0.660663885 | plasma membrane protein |
| CNE00790 | -0.053151596 | 0.944263762 | hypothetical protein |
| CNE00800 | 0.017153886 | 0.986615879 | translation machinery-associated protein 22 |
| CNE00810 | 0.162667089 | 0.779355929 | vacuolar protein |
| CNE00820 | -0.502227929 | 0.123223552 | cell cycle checkpoint control protein RAD9A |
| CNE00830 | 0.341978843 | 0.5305986 | glycerol dehydrogenase |
| CNE00840 | 0.042882923 | 0.962706186 | hypothetical protein |
| CNE00850 | -0.003140995 | 0.996472611 | putative transcription factor |
| CNE00860 | 0.284760247 | 0.70913058 | flavin-containing monoxygenase |
| CNE00870 | -0.004160029 | 0.995735232 | NAD-binding Rossmann fold oxidoreductase |
| CNE00890 | -0.142496821 | 0.806881333 | endoplasmic reticulum protein |
| CNE00900 | 0.139366868 | 0.814730279 | endosomal P24A protein |
| CNE00910 | 0.291876866 | 0.484400737 | hypothetical protein |
| CNE00920 | 0.212400636 | 0.688961353 | phosphoronyser hydrodase |
| CNE00930 | 0.150476779 | 0.789040329 | cytoplasmic protein |
| CNE00940 | 0.302357117 | 0.847863273 | AP-3 complex subunit delta-1 |
| CNE00950 | 0.312387878 | 0.503339903 | DNA repair/transcription protein MET18/MMS19 |
| CNE00960 | 0.500668113 | 0.179703559 | Unknown |
| CNE00970 | 0.896254688 | 0.001651572 | hypothetical protein |
| CNE00980 | 0.613427766 | 0.064192122 | allantoate permease |
| CNE00990 | 0.232766799 | 0.566457057 | Unknown |
| CNE01000 | -0.049901338 | 0.981240834 | 5-oxoprolinase |
| CNE01010 | -0.073514414 | 0.927441884 | hypothetical protein |
| CNE01020 | -0.388981322 | 0.586215516 | hypothetical protein |
| CNE01030 | -1.797085029 | 1.16954E-08 | Unknown |
| CNE01040 | 0.542915054 | 0.226593506 | coproporphyrinogen-III oxidase |
| CNE01050 | -0.288203089 | 0.544567787 | Atypical/ABC1/ABC1-A protein kinase |
| CNE01060 | -0.369412471 | 0.41106632 | ATPases activating protein |
| CNE01070 | 0.626910939 | 0.028838388 | importin beta-2 subunit |
| CNE01080 | 0.815849079 | 0.021247224 | translation initiation factor 3 subunit C |
| CNE01090 | -0.185168696 | 0.777814879 | choline transporter |
| CNE01100 | -0.063839727 | 0.919822815 | hypothetical protein |
| CNE01110 | 0.081393369 | 0.906291044 | hypothetical protein |
| CNE01120 | 0.690508724 | 0.03627015 | hypothetical protein |
| CNE01130 | 0.403169594 | 0.234477661 | endopolyphosphatase |
| CNE01140 | 0.310148834 | 0.516378636 | long-chain fatty CoA ligase |
| CNE01150 | -0.094592552 | 0.885268793 | hypothetical protein |
| CNE01160 | 0.394846862 | 0.264827301 | response regulator receiver protein |
| CNE01170 | 0.401130995 | 0.331688924 | phosphoacetylglucosamine mutase |
| CNE01180 | -0.105008379 | 0.855058004 | hypothetical protein |
| CNE01190 | 0.189189682 | 0.75185116 | NADH dehydrogenase |
| Gene ID | Name | Description |
|--------|------|-------------|
| CNE0100 | hypothetical protein | 0.686887248 0.539585872 |
| CNE0110 | hypothetical protein | -0.740365767 0.050467753 |
| CNE0120 | cation-transporting ATPase | 0.122487602 0.848988082 |
| CNE0130 | hypothetical protein | 0.716517174 0.057424997 |
| CNE0140 | hypothetical protein | 0.584408176 0.227019254 |
| CNE0150 | hypothetical protein | -0.522368207 0.123440865 |
| CNE0160 | rRNA biogenesis protein RRP5 | 0.348908779 0.368884101 |
| CNE0170 | rRNA biogenesis protein | 0.716517174 0.057424997 |
| CNE0180 | hypothetical protein | 0.584408176 0.227019254 |
| CNE0190 | hypothetical protein | -0.522368207 0.123440865 |
| CNE0200 | GC-rich sequence DNA-binding factor | 1.599293681 2.81104E-08 |
| CNE0210 | pre-mRNA-splicing factor SYF1 | -0.129556136 0.874670769 |
| CNE0220 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0230 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0240 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0250 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0260 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0270 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0280 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0290 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0300 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0310 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0320 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0330 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0340 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0350 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0360 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0370 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0380 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0390 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0400 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0410 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0420 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0430 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0440 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0450 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0460 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0470 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0480 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0490 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0500 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0510 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0520 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0530 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0540 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0550 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0560 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0570 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0580 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0590 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0600 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0610 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0620 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0630 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0640 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0650 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0660 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0670 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0680 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0690 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0700 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0710 | hypothetical protein | -0.129556136 0.874670769 |
| CNE0720 | hypothetical protein | -0.129556136 0.874670769 |
| Gene | Description |
|------|-------------|
| CNE01690 | hypothetical protein |
| CNE01700 | hypothetical protein |
| CNE01710 | hypothetical protein |
| CNE01720 | hypothetical protein |
| CNE01730 | hypothetical protein |
| CNE01740 | hypothetical protein |
| CNE01750 | hypothetical protein |
| CNE01760 | hypothetical protein |
| CNE01770 | hypothetical protein |
| CNE01780 | hypothetical protein |
| CNE01790 | hypothetical protein |
| CNE01800 | hypothetical protein |
| CNE01810 | hypothetical protein |
| CNE01820 | hypothetical protein |
| CNE01830 | hypothetical protein |
| CNE01840 | hypothetical protein |
| CNE01850 | hypothetical protein |
| CNE01860 | hypothetical protein |
| CNE01870 | hypothetical protein |
| CNE01880 | hypothetical protein |
| CNE01890 | hypothetical protein |
| CNE01900 | hypothetical protein |
| CNE01910 | hypothetical protein |
| CNE01920 | hypothetical protein |
| CNE01930 | hypothetical protein |
| CNE01940 | hypothetical protein |
| CNE01950 | hypothetical protein |
| CNE01960 | hypothetical protein |
| CNE01970 | hypothetical protein |
| CNE01980 | hypothetical protein |
| CNE01990 | hypothetical protein |
| CNE02000 | hypothetical protein |
| CNE02010 | hypothetical protein |
| CNE02020 | hypothetical protein |
| CNE02030 | hypothetical protein |
| CNE02040 | hypothetical protein |
| CNE02050 | hypothetical protein |
| CNE02060 | hypothetical protein |
| CNE02070 | hypothetical protein |
| CNE02080 | hypothetical protein |
| CNE02090 | hypothetical protein |
| CNE02100 | hypothetical protein |
| CNE02110 | hypothetical protein |
| CNE02120 | hypothetical protein |
| CNE02130 | hypothetical protein |
| CNE02140 | hypothetical protein |
| CNE02150 | hypothetical protein |
| CNE02160 | hypothetical protein |
| CNE02170 | hypothetical protein |
| CNE02180 | hypothetical protein |
| CNE02190 | hypothetical protein |
| CNE02200 | hypothetical protein |
| CNE02210 | hypothetical protein |
| CNE02220 | hypothetical protein |
| CNE02230 | hypothetical protein |
| CNE02240 | hypothetical protein |
| Gene       | Description                                      | log2 Fold Change | p-value  |
|------------|--------------------------------------------------|------------------|----------|
| CNE02250   | hypothetical protein                             | -1.573152        | 1.51464E-07 |
| CNE02260   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02280   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02290   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02300   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02310   | hypothetical protein arginine N-methyltransferase 3 | 0.499885795      | 0.118329883 |
| CNE02330   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02340   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02350   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02360   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02370   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02380   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02390   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02400   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02410   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02420   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02430   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02440   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02450   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02460   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02470   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02480   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02490   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02500   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02510   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02520   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02530   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02540   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02550   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02560   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02570   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02580   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02590   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02600   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02610   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02620   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02630   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02640   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02650   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02660   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02670   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02680   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02690   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02700   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02710   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02720   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02730   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02740   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| CNE02750   | hypothetical protein                             | 0.610828642      | 0.161387861 |
| CNE02760   | hypothetical protein                             | 0.740961079      | 0.006714456 |
| CNE02770   | hypothetical protein                             | -0.35603422      | 0.535382959 |
| CNE02780   | hypothetical protein                             | -0.32683242      | 0.677486529 |
| CNE02790   | hypothetical protein                             | -0.564676263     | 0.261879704 |
| CNE02800   | hypothetical protein                             | 0.499885795      | 0.118329883 |
| ID      | Symbol | protein Name                                      | log2FC | p-value     |
|---------|--------|--------------------------------------------------|--------|-------------|
| CNXL_031890 | CNE02810 | NADH-quinone oxidoreductase subunit B 2           | -0.194482551 | 0.671115959 |
| CNXL_031900 | CNE02820 | Unknown                                          | 0.13851473    | 0.000210233  |
| CNXL_031910 | CNE02840 | Unknown                                          | 0.754318974    | 0.044849477  |
| CNXL_031920 | CNE02850 | ATP-binding cassette transporter                  | -0.402558182 | 0.300430135  |
| CNXL_031930 | CNE02860 | Unknown                                          | 0.136666218    | 0.787846251  |
| CNXL_031940 | CNE02870 | unknown                                          | 0.00256843     | 0.996472611  |
| CNXL_031950 | CNE02880 | Unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_031960 | CNE02890 | Unknown                                          | 0.445647002    | 0.339325252  |
| CNXL_031970 | CNE02900 | Unknown                                          | -0.295850126 | 0.428821207  |
| CNXL_031980 | CNE02910 | Unknown                                          | 0.112833607    | 0.877322829  |
| CNXL_031990 | CNE02920 | Unknown                                          | -2.364417376   | NA           |
| CNXL_032000 | CNE02930 | Unknown                                          | 1.724322775    | NA           |
| CNXL_032010 | CNE02940 | Unknown                                          | -2.364417376   | NA           |
| CNXL_032020 | CNE02950 | Unknown                                          | 0.363880898    | 0.319480227  |
| CNXL_032030 | CNE02960 | Unknown                                          | 0.351240531    | 0.948286148  |
| CNXL_032040 | CNE02970 | Unknown                                          | 0.754318974    | 0.044849477  |
| CNXL_032050 | CNE02980 | Unknown                                          | 0.095057595    | 0.996472611  |
| CNXL_032060 | CNE02990 | unknown                                          | 0.112833607    | 0.877322829  |
| CNXL_032070 | CNE03000 | unknown                                          | 0.112833607    | 0.877322829  |
| CNXL_032080 | CNE03010 | unknown                                          | 0.095057595    | 0.996472611  |
| CNXL_032090 | CNE03020 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032100 | CNE03030 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032110 | CNE03040 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032120 | CNE03050 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032130 | CNE03060 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032140 | CNE03070 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032150 | CNE03080 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032160 | CNE03090 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032170 | CNE03100 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032180 | CNE03110 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032190 | CNE03120 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032200 | CNE03130 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032210 | CNE03140 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032220 | CNE03150 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032230 | CNE03160 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032240 | CNE03170 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032250 | CNE03180 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032260 | CNE03190 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032270 | CNE03200 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032280 | CNE03210 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032290 | CNE03220 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032300 | CNE03230 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032310 | CNE03240 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032320 | CNE03250 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032330 | CNE03260 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032340 | CNE03270 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032350 | CNE03280 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032360 | CNE03290 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032370 | CNE03300 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032380 | CNE03310 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032390 | CNE03320 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032400 | CNE03330 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032410 | CNE03340 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032420 | CNE03350 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032430 | CNE03360 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032440 | CNE03370 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032450 | CNE03380 | unknown                                          | 0.461218942    | 0.000210233  |
| CNXL_032460 | CNE03390 | unknown                                          | 0.461218942    | 0.000210233  |
| Gene          | Log2 Fold Change | p-value  |
|--------------|-----------------|----------|
| hypothetical protein | 0.774991408     | 0.010312142 |
| ribonuclease Z | -0.278502649     | 0.532843849 |
| nucleolar protein 56 | -0.845132625   | 0.003855762 |
| ribonucleoside-diphosphate reductase large subunit | -0.520821621 | 0.164821847 |
| hypothetical protein | 0.528730306     | 0.8610985 |
| hypothetical protein | 0.787267329     | 0.078650246 |
| ribonuclease Z | -0.113514717     | 0.901676457 |
| endonuclease G | -0.326967564     | 0.500750138 |
| hypothetical protein | -0.669848961   | 0.058091765 |
| hypothetical protein | 0.197869546     | 0.77163303 |
| mitochondrial inner membrane protease ATP23 | 1.161386945 | 4.95107E-05 |
| pH-response regulator protein palC | -0.114090451     | 0.919952257 |
| septin | -0.066314753     | 0.936507583 |
| hypothetical protein | -0.507797775   | 0.139492286 |
| hypothetical protein | -0.032144601   | 0.965966884 |
| AGC/NDR protein kinase | 0.336133556     | 1.0611E-53 |
| hypothetical protein | -0.482217609   | 0.552790986 |
| hypothetical protein | -0.980343328   | 0.051851032 |
| AGC/NDR protein kinase | 0.149803588     | 0.814220979 |
| hypothetical protein | -0.114090451   | 0.919952257 |
| hypothetical protein | 0.016835801     | 0.988641003 |
| hypothetical protein | -0.066314647   | 0.936305783 |
| hypothetical protein | -0.006136467   | 0.139492286 |
| hypothetical protein | -0.032144601   | 0.965966884 |
| hypothetical protein | -0.336133556   | 0.52420732 |
| pH-response regulator protein palC | 0.283487409     | 0.496904784 |
| hypothetical protein | -4.246664263   | 1.0611E-53 |
| hypothetical protein | 0.131675876     | 0.803577282 |
| hypothetical protein | 2.417836866     | 0.056145687 |
| hypothetical protein | -0.184538267   | 0.689555844 |
| hypothetical protein | 0.017222821     | 0.986381348 |
| hypothetical protein | -0.337068095   | 0.499737894 |
| hypothetical protein | 0.173248248     | 0.964789754 |
| hypothetical protein | 0.142535724     | 0.806904085 |
| hypothetical protein | 0.090063288      | 0.892724552 |
| hypothetical protein | -0.12823661     | 0.809974479 |
| hypothetical protein | -0.269109326   | 0.529911907 |
| hypothetical protein | 0.122087167     | 0.865068963 |
| transporter particle component | 0.33636231     | 0.495942837 |
| hypothetical protein | 0.185291285     | 0.761026029 |
| hypothetical protein | 1.087071734     | 0.003502057 |
| hypothetical protein | 0.550817196     | 0.156465695 |
| hypothetical protein | 0.105578015     | 0.902969744 |
| hypothetical protein | -0.26676818     | 0.535382989 |
| signal recognition particle protein SRP54 | 0.122087167     | 0.865068963 |
| transporter particle component | -0.33636231    | 0.495942837 |
| hypothetical protein | 0.185291285     | 0.761026029 |
| hypothetical protein | 1.087071734     | 0.003502057 |
| hypothetical protein | 0.550817196     | 0.156465695 |
| hypothetical protein | 0.105578015     | 0.902969744 |
| hypothetical protein | -0.26676818     | 0.535382989 |
| vacuolar protein sorting-associated protein 27 | 0.122087167     | 0.865068963 |
| DNA-directed RNA polymerase II subunit RPB1 | 0.483584397     | 0.202621105 |
| hypothetical protein | -0.127016466   | 0.817904484 |
| hypothetical protein | -0.782131835   | 0.5737945 |
| hypothetical protein | -0.173205848   | 0.768388475 |
| hypothetical protein | -0.236838905   | 0.638378602 |
| hypothetical protein | 0.117352129     | 0.893628894 |
| hypothetical protein | -0.105280543   | 0.948437186 |
| hypothetical protein | -0.361888024   | 0.384549545 |
| unknown | -0.00388227    | 0.996158838 |
| voltage-gated chloride channel protein | -0.195119847     | 0.752736444 |
| hypothetical protein | -0.578005548   | 0.384549545 |
| hypothetical protein | -0.095610985   | 0.873249995 |
| anaphase-promoting complex subunit 6 | -0.460699178     | 0.372306093 |
| general transcriptional repressor | -0.398069599   | 0.32259991 |
| hypothetical protein | -0.398069599   | 0.32259991 |
| hypothetical protein | 0.158779475     | 0.817410012 |
| Gene ID | Gene Description |
|--------|------------------|
| CNXL_033050 | mRNA methyltransferase |
| CNXL_033060 | hypothetical protein |
| CNXL_033070 | ubiquitin-conjugating enzyme E2 35 |
| CNXL_033080 | cytochrome c peroxidase |
| CNXL_033090 | hypothetical protein |
| CNXL_033100 | hypothetical protein |
| CNXL_033110 | large subunit ribosomal protein L1-A |
| CNXL_033120 | hypothetical protein |
| CNXL_033130 | hypothetical protein |
| CNXL_033140 | NADH dehydrogenase |
| CNXL_033150 | oxysterol-binding protein |
| CNXL_033160 | DNA replication ATP-dependent helicase Dna2 |
| CNXL_033170 | hypothetical protein |
| CNXL_033180 | small subunit ribosomal protein S6 |
| CNXL_033190 | protein transporter SEC20 |
| CNXL_033200 | rsc chromatin remodeling complex subunit |
| CNXL_033210 | hypothetical protein |
| CNXL_033220 | hypothetical protein |
| CNXL_033230 | 6-phosphogluconolactonase |
| CNXL_033240 | iron-sulfur cluster assembly protein |
| CNXL_033250 | hypothetical protein |
| CNXL_033260 | hypothetical protein |
| CNXL_033270 | hypothetical protein |
| CNXL_033280 | cyclin-dependent protein kinase regulator |
| CNXL_033290 | hypothetical protein |
| CNXL_033300 | hypothetical protein |
| CNXL_033310 | hypothetical protein |
| CNXL_033320 | hypothetical protein |
| CNXL_033330 | hypothetical protein |
| CNXL_033340 | hypothetical protein |
| CNXL_033350 | hypothetical protein |
| CNXL_033360 | hypothetical protein |
| CNXL_033370 | hypothetical protein |
| CNXL_033380 | hypothetical protein |
| CNXL_033390 | hypothetical protein |
| CNXL_033400 | hypothetical protein |
| CNXL_033410 | hypothetical protein |
| CNXL_033420 | hypothetical protein |
| CNXL_033430 | hypothetical protein |
| CNXL_033440 | hypothetical protein |
| CNXL_033450 | hypothetical protein |
| CNXL_033460 | hypothetical protein |
| CNXL_033470 | hypothetical protein |
| CNXL_033480 | hypothetical protein |
| CNXL_033490 | hypothetical protein |
| CNXL_033500 | hypothetical protein |
| CNXL_033510 | hypothetical protein |
| CNXL_033520 | hypothetical protein |
| CNXL_033530 | hypothetical protein |
| CNXL_033540 | hypothetical protein |
| CNXL_033550 | hypothetical protein |
| CNXL_033560 | hypothetical protein |
| CNXL_033570 | hypothetical protein |
| CNXL_033580 | hypothetical protein |
| CNXL_033590 | hypothetical protein |
| CNXL_033600 | hypothetical protein |
| CNXL_033610 | hypothetical protein |
| CNXL_033620 | hypothetical protein |
| CNXL_033630 | hypothetical protein |
| CNXL_033640 | hypothetical protein |
| CNXL_033650 | hypothetical protein |
| CNXL_033660 | hypothetical protein |
| CNXL_033670 | hypothetical protein |
| CNXL_033680 | hypothetical protein |
| CNXL_033690 | hypothetical protein |
| CNXL_033700 | hypothetical protein |
| CNXL_033710 | hypothetical protein |
| CNXL_033720 | hypothetical protein |
| CNXL_033730 | hypothetical protein |
| CNXL_033740 | hypothetical protein |
| CNXL_033750 | hypothetical protein |
| CNXL_033760 | hypothetical protein |
| CNXL_033770 | hypothetical protein |
| CNXL_033780 | hypothetical protein |
| CNXL_033790 | hypothetical protein |
| CNXL_033800 | hypothetical protein |
| CNXL_033810 | hypothetical protein |
| CNXL_033820 | hypothetical protein |
| CNXL_033830 | hypothetical protein |
| CNXL_033840 | hypothetical protein |
| CNXL_033850 | hypothetical protein |
| CNXL_033860 | hypothetical protein |
| CNXL_033870 | hypothetical protein |
| CNXL_033880 | hypothetical protein |
| CNXL_033890 | hypothetical protein |
| CNXL_033900 | hypothetical protein |
| CNXL_033910 | hypothetical protein |
| Gene ID      | Description                                                                 |
|-------------|-----------------------------------------------------------------------------|
| CNXL_03440  | hypothetical protein                                                        |
| CNXL_03445  | 0.48976279 1.073210496 nucleosome assembly protein 1-like 1                 |
| CNXL_034460 | 0.39265836 0.301417944 hypothetical protein                                  |
| CNXL_03450  | 0.458181687 hydrodase                                                       |
| CNXL_034510 | -0.29132119 0.522860057 histone deacetylase                                 |
| CNXL_034520 | 1.421886964 8.20017E-05 Unknown                                             |
| CNXL_034530 | 0.403532553 0.345963301 hypothetical protein                                 |
| CNXL_034540 | -0.012198167 0.990777629 siderochrome-iron transporter                      |
| CNXL_034550 | 0.063906553 0.926879789 DASH complex subunit DAD1                          |
| CNXL_034560 | 0.38791919 0.43363696 mannosyl-oligosaccharide alpha-1                     |
| CNXL_034570 | 0.07307904 0.911130835 hypothetical protein                                 |
| CNXL_034590 | -0.446945422 0.264480588 cytoplasmic protein                                |
| CNXL_034600 | -0.459617537 0.586181879 hypothetical protein                               |
| CNXL_034610 | 0.216895538 0.73673899 leukotriene A-4 hydrolase/aminopeptidase             |
| CNXL_034620 | 0.017383478 0.985803294 hypothetical protein                                |
| CNXL_034630 | 0.757867744 0.001096903 mitochondrial processing peptidase                 |
| CNXL_034640 | 0.997224641 0.00086093 DNA mismatch repair protein MLH1                      |
| CNXL_034650 | 0.050252512 0.946605516 hypothetical protein                                |
| CNXL_034660 | 1.268479857 0.197592932 putative scaffold protein                           |
| CNXL_034670 | 1.247637803 2.769464E-05 hypothetical protein                               |
| CNXL_034680 | -0.256800212 0.756597645 hypothetical protein                               |
| CNXL_034690 | -0.16181786 0.746765994 stromal membrane-associated protein                 |
| CNXL_034700 | 0.117335878 0.925141393 vacuolar protein                                    |
| CNXL_034710 | -0.751579033 0.110223992 hypothetical protein                               |
| CNXL_034720 | -0.133741487 0.809974479 hypothetical protein                                |
| CNXL_034730 | 0.491026767 0.270697928 TATA-box-binding protein-associated factor          |
| CNXL_034740 | -0.344659029 0.490315559 hypothetical protein                               |
| CNXL_034750 | 0.585268826 0.063702758 glycoside hydrolase family 2                        |
| CNXL_034760 | -0.912469086 0.17318254 Unknown                                           |
| CNXL_034770 | 0.038990266 0.965465882 CCR4-NOT complex subunit CAF16                      |
| CNXL_034780 | -0.035242434 0.965465882 urease accessory protein                           |
| CNXL_034790 | 0.882363846 0.006807024 hypothetical protein                                |
| CNXL_034800 | -0.210066532 0.678131584 hypothetical protein                               |
| CNXL_034810 | -0.503146664 0.61517823 hypothetical protein                                |
| CNXL_034820 | 0.274029227 0.540001756 hypothetical protein                                |
| CNXL_034830 | -0.055607093 0.96441864 dimeric dihydriodiol dehydrogenase                 |
| CNXL_034840 | 0.175665896 0.789827438 kinesin family member 20/23                        |
| CNXL_034850 | 0.857130554 0.049978018 MFS multidrug transporter                          |
| CNXL_034860 | 0.587130554 0.049978018 MFS multidrug transporter                          |
| CNXL_034870 | -0.350129225 0.510006134 proline oxidase                                   |
| CNXL_034880 | 0.222678449 0.61372863 proline oxidase                                     |
| CNXL_034890 | -0.039385868 0.963420993 poly                                             |
| CNXL_034900 | 0.385017552 0.273415757 acetoacetate-CoA ligase                            |
| CNXL_034910 | 0.316114461 0.544657787 hypothetical protein                               |
| CNXL_034920 | 0.028134446 0.965465882 hypothetical protein                                |
| CNXL_034930 | 1.264528964 9.3481E-05 Unknown                                            |
| CNXL_034940 | -1.187074207 9.36446E+06 Unknown                                           |
| CNXL_034950 | 0.776790628 0.388091044 hypothetical protein                               |
| CNXL_034960 | 0.110311707 0.930990489 Unknown                                           |
| CNXL_034970 | 0.070052718 0.930994697 hypothetical protein                               |
| CNXL_034980 | -0.128762266 0.820111382 integral membrane protein                         |
| CNXL_034990 | -0.382247257 0.423141684 hypothetical protein                              |
| CNXL_035000 | -0.531487687 0.146688128 large subunit ribosomal protein L22                |
| CNXL_035010 | 0.580300513 0.063015081 putative sugar transporter                         |
| Gene ID | Description                              | Value   | p-value |
|--------|------------------------------------------|---------|---------|
| CNXL_034210 | triose-phosphate isomerase              | 0.319181383 | 0.555395578 |
| CNXL_034220 | hypothetical protein                    | -0.392767142  | 0.432050869 |
| CNXL_034230 | CMGC/SRPK protein kinase                | -0.109734206  | 0.885370637 |
| CNXL_034240 | nuclear export factor                   | -0.434960868  | 0.837186843 |
| CNXL_034250 | Unknown                                  | 0.292952326  | 0.643890318 |
| CNXL_034260 | hypothetical protein                    | -0.190243802  | 0.716771972 |
| CNXL_034270 | glyoxal oxidase                         | 0.323099012  | 0.555395578 |
| CNXL_034280 | Wiskott-Aldrich syndrome protein         | -0.434960868  | 0.837186843 |
| CNXL_034290 | DNA-directed RNA polymerase III subunit RPC3 | -0.434960868  | 0.837186843 |
| CNXL_034300 | CMGC/SRPK protein kinase                | 0.018904644  | 0.731955533 |
| CNXL_034310 | hypothetical protein                    | -0.452701053  | 0.308627777 |
| CNXL_034320 | hypothetical protein                    | -0.107791475  | 0.84689626 |
| CNXL_034330 | beta-glucosidase                        | 0.13795549  | 0.84689626 |
| CNXL_034340 | hypothetical protein                    | -0.434960868  | 0.837186843 |
| CNXL_034350 | hypothetical protein                    | 0.018904644  | 0.731955533 |
| CNXL_034360 | Unknown                                  | -0.434960868  | 0.837186843 |
| CNXL_034370 | Unknown                                  | 0.1828945  | 0.810224824 |
| CNXL_034380 | SWR1-complex protein 4                  | 0.13795549  | 0.84689626 |
| CNXL_034390 | unknown                                 | 0.465716871  | 0.213491745 |
| CNXL_034400 | unknown                                 | 0.131592356  | 0.842469317 |
| CNXL_034410 | beta-glucosidase                        | 0.018904644  | 0.731955533 |
| CNXL_034420 | unknown                                 | -0.252093734  | 0.682914878 |
| CNXL_034430 | unknown                                 | 1.935408927  | 0.420406127 |
| CNXL_034440 | unknown                                 | 1.898863009  | 0.420406127 |
| CNXL_034450 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034460 | unknown                                 | -0.434960868  | 0.837186843 |
| CNXL_034470 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034480 | unknown                                 | -0.252093734  | 0.682914878 |
| CNXL_034490 | unknown                                 | 1.935408927  | 0.420406127 |
| CNXL_034500 | unknown                                 | 1.898863009  | 0.420406127 |
| CNXL_034510 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034520 | unknown                                 | -0.434960868  | 0.837186843 |
| CNXL_034530 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034540 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034550 | unknown                                 | 0.018904644  | 0.731955533 |
| CNXL_034560 | unknown                                 | -0.053707474  | 0.963420993 |
| CNXL_034570 | unknown                                 | -1.099784631  | 0.000187618 |
| CNXL_034580 | unknown                                 | -0.255821446  | 0.621585258 |
| CNXL_034590 | unknown                                 | -0.00491583  | 0.959535232 |
| CNXL_034600 | unknown                                 | -0.629171066  | 0.314390734 |
| CNXL_034610 | unknown                                 | -0.385177686  | 0.28631663 |
| CNXL_034620 | unknown                                 | 0.118615161  | 0.825693641 |
| CNXL_034630 | unknown                                 | -0.16964459  | 0.743024901 |
| CNXL_034640 | unknown                                 | -0.255814543  | 0.598241347 |
| CNXL_034650 | unknown                                 | -0.476498059  | 0.810260352 |
| CNXL_034660 | unknown                                 | -1.8693521  | 0.002646476 |
| CNXL_034670 | unknown                                 | 0.015581199  | 0.985595171 |
| CNXL_034680 | unknown                                 | -1.166158703  | 0.17859659 |
| CNXL_034690 | unknown                                 | 0.724332333  | 0.010506901 |
| CNXL_034700 | unknown                                 | -0.326938458  | 0.46380108 |
| CNXL_034710 | unknown                                 | -1.248559253  | 0.01539502 |
| CNXL_034720 | unknown                                 | -0.918139244  | 0.010312142 |
| CNXL_034730 | unknown                                 | -0.008237395  | 0.995735232 |
| CNXL_034740 | unknown                                 | 0.353386481  | 0.488037843 |
| CNXL_034750 | unknown                                 | -0.272339592  | 0.748357146 |
| CNXL_034760 | unknown                                 | -0.23429363  | 0.714943777 |
| CNXL_034770 | unknown                                 | -0.690645894  | 0.50023141 |
| CNXL_034780 | unknown                                 | 0.255453646  | 0.825693641 |
| Gene          | Gene ID | Log2 Fold Change |
|--------------|---------|-----------------|
| 2-acylglycerol O-acyltransferase 2 | CNF00200 | 0.235588148 |
| hypothetical protein |          | 0.678207179 Unknown |
| CNF00210 | -0.124560495 | 0.830440343 hypothetical protein |
| CNF00220 | 0.141744671 | 0.932840267 putative copper ion transporter |
| CNF00230 | -2.878580615 | 3.10962E-30 hypothetical protein |
| CNF00240 | 0.254116347 | 0.884028948 zinc finger family protein |
| CNF00250 | -0.530600055 | 0.75185116 Unknown |
| CNF00270 | 0.180570395 | 0.771239252 pre-mRNA-spooling factor CWC2 |
| CNF00280 | -0.730561737 | 0.092504567 hypothetical protein |
| CNF00290 | -0.028946439 | 0.972638293 hypothetical protein |
| CNF00300 | 0.022872946 | 0.983499434 nucleoside phosphatase |
| CNF00310 | -0.108051594 | 0.897217254 hypothetical protein |
| CNF00320 | -0.504551312 | 0.190652363 high-affinity methionine permease |
| CNF00330 | 0.579121863 | 0.030337262 nicotine |
| CNF00340 | -0.658849886 | 0.10562276 gamma-aminobutyric acid transporter |
| CNF00350 | 0.150790084 | 0.770532174 topoisomerase 1-associated factor 1 |
| CNF00360 | 0.404882894 | 0.423141864 Unknown |
| CNF00370 | 0.431344309 | 0.597848423 UMFI family MFS transporter |
| CNF00390 | 1.263026565 | 5.93592E-05 Unknown |
| CNF00400 | -0.337919623 | 0.36688453 Unknown |
| CNF00409 | 0.718895666 | 0.133565651 hypothetical protein |
| CNF00410 | -0.087464363 | 0.884028948 hypothetical protein |
| CNF00411 | -0.370608847 | 0.405796614 DNA-directed RNA polymerase III subunit RPC1 |
| CNF00412 | -0.477887503 | 0.25037723 UMP-CMP kinase |
| CNF00420 | -0.906445294 | 0.002078997 translin domain protein |
| CNF00430 | -0.891662351 | 0.004632716 hypothetical protein |
| CNF00440 | 0.391996503 | 0.253665879 peptidyl-prolyl cis-trans isomerase D |
| CNF00450 | 0.330832445 | 0.331351174 protein BTN1 |
| CNF00470 | 0.488258287 | 0.308473689 hypothetical protein |
| CNF00480 | -0.308754582 | 0.625150196 hypothetical protein |
| CNF00490 | 0.115765886 | 0.856084571 hypothetical protein |
| CNF00500 | -0.575586479 | 0.068372808 U2 small nuclear ribonucleoprotein A' |
| CNF00510 | -0.920213421 | 0.015979048 septin ring protein |
| CNF00511 | -0.167460215 | 0.810102246 hypothetical protein |
| CNF00512 | 0.536019908 | 0.091985509 hypothetical protein |
| CNF00513 | 0.122455149 | 0.861981252 2-acylglycerol O-acyltransferase 2 |
| CNF00514 | 0.200378822 | 0.768658347 tRNA-specific adenosine deaminase 2 |
| CNF00515 | -0.374837291 | 0.415298045 hypothetical protein |
| CNF00516 | -0.182579613 | 0.771763303 ATP synthase subunit beta |
| CNF00520 | 0.352717248 | 0.616861062 hypothetical protein |
| CNF00521 | 0.844780216 | 0.016679695 hypothetical protein |
| CNF00522 | -0.667841474 | 0.023966976 hypothetical protein |
| CNF00523 | -0.825484504 | 0.008572222 Unknown |
| CNF00524 | -0.007776989 | 0.992176872 alpha-glucosidase |
| CNF00525 | -0.398581148 | 0.326055975 hypothetical protein |
| CNF00526 | -0.380479597 | 0.550659282 cytochrome c l |
| CNF00527 | -0.151222686 | 0.796092658 hypothetical protein |
| CNF00528 | -0.269227767 | 0.626496712 pyruvate carboxylase |
| CNF00529 | -0.06571622 | 0.919196787 hypothetical protein |
| CNF00530 | -0.164196404 | 0.718774576 transcription factor IIIB 90 kDa subunit |
| CNF00531 | 0.701674319 | 0.063292368 small subunit ribosomal protein S14 |
| CNF00532 | 0.395544503 | 0.365237105 hypothetical protein |
| CNF00533 | 0.095606469 | 0.90461084 3-plex complex subunit sigma |
| CNF00534 | -0.095688343 | 0.874670769 hypothetical protein |
| CNF00535 | -0.161923603 | 0.825383092 glycine-tRNA ligase |
| CNF00536 | -0.163275375 | 0.791528992 pyrroline-5-carboxylate reductase |
| Gene          | ID    | Score  | p-value   | Description                                              |
|--------------|-------|--------|-----------|----------------------------------------------------------|
| hypothetical protein | CNXL_035370 | 0.103852239 | 0.919952257 | hypothetical protein                                      |
| hypothetical protein | CNXL_035380 | 0.090204478 | 0.992176872 | hypothetical protein                                      |
| ubiquitin-activating enzyme e1-like | CNXL_035390 | -0.313796083 | 0.49296269 | ubiquitin-activating enzyme e1-like                     |
| protein CFT1 | CNXL_035400 | -0.462862355 | 0.179645479 | protein CFT1                                             |
| dynein heavy chain 1 | CNXL_035410 | -0.85236596 | 0.032580388 | dynein heavy chain 1                                     |
| hypothetical protein | CNXL_035420 | -0.147308327 | 0.802877744 | hypothetical protein                                      |
| hypothetical protein | CNXL_035430 | 0.651610377 | 0.009204478 | hypothetical protein                                      |
| hypothetical protein | CNXL_035440 | -0.337235249 | 0.49654337 | hypothetical protein                                      |
| hypothetical protein | CNXL_035450 | -0.149294862 | 0.53536933 | hypothetical protein                                      |
| hypothetical protein | CNXL_035460 | 0.161174757 | 0.747332879 | hypothetical protein                                      |
| hypothetical protein | CNXL_035470 | -0.687272157 | 0.529724345 | hypothetical protein                                      |
| hypothetical protein | CNXL_035480 | -0.901719441 | 0.000670496 | hypothetical protein                                      |
| hypothetical protein | CNXL_035490 | -0.129680924 | 0.869120128 | hypothetical protein                                      |
| hypothetical protein | CNXL_035500 | -0.314237631 | 0.53536933 | hypothetical protein                                      |
| hypothetical protein | CNXL_035510 | 0.041865645 | 0.955507961 | hypothetical protein                                      |
| hypothetical protein | CNXL_035520 | 0.129401214 | 0.849074517 | hypothetical protein                                      |
| hypothetical protein | CNXL_035530 | 0.040823502 | 0.964414864 | hypothetical protein                                      |
| hypothetical protein | CNXL_035540 | 0.255029068 | 0.778681483 | hypothetical protein                                      |
| hypothetical protein | CNXL_035550 | 0.040823502 | 0.964414864 | hypothetical protein                                      |
| hypothetical protein | CNXL_035560 | 0.218791642 | 0.730539927 | hypothetical protein                                      |
| hypothetical protein | CNXL_035570 | 0.314674981 | 0.425879761 | hypothetical protein                                      |
| hypothetical protein | CNXL_035580 | 0.129401214 | 0.849074517 | hypothetical protein                                      |
| hypothetical protein | CNXL_035590 | 0.351451697 | 0.424157538 | hypothetical protein                                      |
| hypothetical protein | CNXL_035600 | 0.306184406 | 0.66063885 | hypothetical protein                                      |
| hypothetical protein | CNXL_035610 | 0.630564578 | 0.06701284 | hypothetical protein                                      |
| hypothetical protein | CNXL_035620 | -0.169002589 | 0.77176330 | hypothetical protein                                      |
| hypothetical protein | CNXL_035630 | 0.315196223 | 0.50901612 | hypothetical protein                                      |
| hypothetical protein | CNXL_035640 | 0.255029068 | 0.778681483 | hypothetical protein                                      |
| hypothetical protein | CNXL_035650 | 0.040823502 | 0.964414864 | hypothetical protein                                      |
| hypothetical protein | CNXL_035660 | 0.912405539 | 0.011361987 | hypothetical protein                                      |
| hypothetical protein | CNXL_035670 | 1.017203853 | 0.000110022 | hypothetical protein                                      |
| hypothetical protein | CNXL_035680 | -0.687272157 | 0.529724345 | hypothetical protein                                      |
| hypothetical protein | CNXL_035690 | 0.306184406 | 0.66063885 | hypothetical protein                                      |
| hypothetical protein | CNXL_035700 | 0.630564578 | 0.06701284 | hypothetical protein                                      |
| hypothetical protein | CNXL_035710 | -3.222040688 | 4.06967E-31 | hypothetical protein                                      |
| hypothetical protein | CNXL_035720 | 0.315196223 | 0.50901612 | hypothetical protein                                      |
| hypothetical protein | CNXL_035730 | -0.186383134 | 0.789500916 | hypothetical protein                                      |
| hypothetical protein | CNXL_035740 | 0.054608667 | 0.9621942 | hypothetical protein                                      |
| hypothetical protein | CNXL_035750 | 1.019732891 | 0.000562565 | hypothetical protein                                      |
| hypothetical protein | CNXL_035760 | -1.13869261 | 6.7285E-06 | hypothetical protein                                      |
| hypothetical protein | CNXL_035770 | 0.306184406 | 0.66063885 | hypothetical protein                                      |
| hypothetical protein | CNXL_035780 | 0.630564578 | 0.06701284 | hypothetical protein                                      |
| hypothetical protein | CNXL_035790 | -0.675274375 | 0.173210496 | hypothetical protein                                      |
| hypothetical protein | CNXL_035800 | 0.000114163 | 0.999593276 | hypothetical protein                                      |
| hypothetical protein | CNXL_035810 | 0.000114163 | 0.999593276 | hypothetical protein                                      |
| hypothetical protein | CNXL_035820 | -0.129680924 | 0.869120128 | hypothetical protein                                      |
| hypothetical protein | CNXL_035830 | -0.314237631 | 0.53536933 | hypothetical protein                                      |
| hypothetical protein | CNXL_035840 | -0.686572801 | 0.14120072 | hypothetical protein                                      |
| hypothetical protein | CNXL_035850 | -0.406557694 | 0.534447681 | hypothetical protein                                      |
| hypothetical protein | CNXL_035860 | -0.142755512 | 0.829317514 | hypothetical protein                                      |
| glycerol transporter | CNXL_035870 | -0.451896172 | 0.164354975 | hypothetical protein                                      |
| hypothetical protein | CNXL_035880 | -0.228135668 | 0.676372743 | hypothetical protein                                      |
| hypothetical protein | CNXL_035890 | -0.344784246 | 0.39726203 | hypothetical protein                                      |
| hypothetical protein | CNXL_035900 | -0.731820425 | 0.031892912 | hypothetical protein                                      |
| hypothetical protein | CNXL_035910 | -0.583671506 | 0.13226922 | hypothetical protein                                      |
| hypothetical protein | CNXL_035920 | 0.38485896 | 0.236004557 | hypothetical protein                                      |
| hypothetical protein | CNXL_035930 | 0.294534541 | 0.53978603 | hypothetical protein                                      |
| hypothetical protein | CNXL_035940 | 0.028135668 | 0.676372743 | hypothetical protein                                      |
| Gene ID     | Description                                      | Log2 Fold Change | p-value   |
|------------|--------------------------------------------------|-----------------|-----------|
| CNF01310   | translation initiation factor 4E                 | 0.473306981     | 0.179438445 |
| CNF01320   | cytochrome P450                                  | -0.798687217    | 0.078954247 |
| CNF01330   | hypothetical protein                             | 0.686251308     | 0.051200486 |
| CNF01340   | hypothetical protein                             | -0.099397295    | 0.879688103 |
| CNF01350   | cytochrome c oxidase subunit 6b                  | -0.341816564    | 0.49201708  |
| CNF01360   | rho GTPase activating protein                    | -1.503110884    | 0.003669283 |
| CNF01370   | hypothetical protein                             | 0.018517989     | 0.987958739 |
| CNF01380   | hypothetical protein                             | 0.093055657     | 0.916472973 |
| CNF01390   | hypothetical protein                             | -0.068550915    | 0.954346886 |
| CNF01400   | hypothetical protein                             | 0.017006309     | 0.985173026 |
| CNF01410   | hypothetical protein                             | 0.312604114     | 0.457691748 |
| CNF01420   | hypothetical protein                             | -0.416523012    | 0.372306093 |
| CNF01430   | hypothetical protein                             | 0.097006309     | 0.985173026 |
| CNF01440   | hypothetical protein                             | -1.762239122    | 3.6773E-13  |
| CNF01450   | hypothetical protein                             | -3.240999567    | 2.14415E-38 |
| CNF01460   | hypothetical protein                             | -0.713976323    | 0.015979497 |
| CNF01470   | hypothetical protein                             | -0.268087373    | 0.601456324 |
| CNF01480   | hypothetical protein                             | -0.496439074    | 0.213426935 |
| CNF01490   | hypothetical protein                             | 0.009073415     | 0.991351411 |
| CNF01500   | hypothetical protein                             | 0.253370794     | 0.13426935  |
| CNF01510   | hypothetical protein                             | 0.093055657     | 0.916472973 |
| CNF01520   | hypothetical protein                             | -0.048481755    | 0.941187478 |
| CNF01530   | hypothetical protein                             | -0.071623624    | 0.936086163 |
| CNF01540   | hypothetical protein                             | 0.323571263     | 0.95784948 |
| CNF01550   | hypothetical protein                             | -0.858008241    | 0.008730468 |
| CNF01560   | hypothetical protein                             | -0.268906588    | 0.683642142 |
| CNF01570   | hypothetical protein                             | 0.216913620     | 0.734939207 |
| CNF01580   | hypothetical protein                             | -0.23774398     | 0.885494849 |
| CNF01590   | hypothetical protein                             | -0.555600085    | 0.112183936 |
| CNF01600   | hypothetical protein                             | 0.079106803     | 0.918949484 |
| CNF01610   | hypothetical protein                             | -0.004468377    | 0.995735232 |
| CNF01620   | hypothetical protein                             | -0.048481755    | 0.941187478 |
| CNF01630   | hypothetical protein                             | -0.071623624    | 0.936086163 |
| CNF01640   | hypothetical protein                             | 0.533517263     | 0.95784948 |
| CNF01650   | hypothetical protein                             | -0.155681907    | 0.745210967 |
| CNF01660   | hypothetical protein                             | -0.556855002    | 0.076166491 |
| CNF01670   | hypothetical protein                             | 0.106770396     | 0.878994222 |
| CNF01680   | hypothetical protein                             | -0.23774398     | 0.885494849 |
| CNF01690   | hypothetical protein                             | -0.055600085    | 0.112183936 |
| CNF01700   | hypothetical protein                             | 0.079106803     | 0.918949484 |
| CNF01710   | hypothetical protein                             | -0.004468377    | 0.995735232 |
| CNF01720   | hypothetical protein                             | -0.02238744     | 0.981240834 |
| CNF01730   | hypothetical protein                             | 0.011985829     | 0.991351411 |
| CNF01740   | hypothetical protein                             | 0.403216688     | 0.323080464 |
| CNF01750   | hypothetical protein                             | -0.229697365    | 0.648500229 |
| CNF01760   | hypothetical protein                             | -0.264633127    | 0.578501852 |
| CNF01770   | hypothetical protein                             | -0.109285017    | 0.898757615 |
| CNF01780   | hypothetical protein                             | -0.114950059    | 0.874311574 |
| CNF01790   | hypothetical protein                             | -0.058742959    | 0.921547401 |
| CNF01800   | hypothetical protein                             | 0.080114047     | 0.00019677 |
| CNF01810   | hypothetical protein                             | -0.14582227     | 0.820111382 |
| CNF01820   | hypothetical protein                             | -0.232489728    | 0.590497102 |
| CNF01830   | hypothetical protein                             | -0.659023746    | 0.059086883 |
| CNF01840   | hypothetical protein                             | -0.046709355    | 0.950280909 |
| CNF01850   | hypothetical protein                             | -0.85028458     | 0.009965543 |
| CNF01860   | hypothetical protein                             | -0.09320345     | 0.874337207 |
| CNF01870   | hypothetical protein                             | -0.092731064    | 0.915884007 |
| Gene Name   | Protein Name                              | Log2 Fold Change | P-Value     |
|------------|-------------------------------------------|------------------|-------------|
| CNXL_037110| hypothetical protein                       | -0.18824487      | 0.787454471 |
| CNXL_037120| hypothetical protein                       | 1.46204136       | 0.113559841 |
| CNXL_037130| hypothetical protein                       | -0.37861771      | 0.372044973 |
| CNXL_037140| glyoxal oxidase                           | 0.11531616       | 0.850186907 |
| CNXL_037150| hypothetical protein                       | -6.59112735      | 4.16741E-72 |
| CNXL_037160| hypothetical protein                       | 0.532779458      | 3.44867458  |
| CNXL_037170| hypothetical protein                       | -1.015060794     | 0.000179765 |
| CNXL_037180| hypothetical protein                       | -0.35578009      | 0.46867391  |
| CNXL_037190| hypothetical protein                       | 0.09733379       | 0.85183218  |
| CNXL_037200| hypothetical protein                       | -1.72734578      | 3.0985E-07  |
| CNXL_037210| hypothetical protein                       | 0.115331616      | 0.850186907 |
| CNXL_037220| hypothetical protein                       | -0.24998023      | 0.567887304 |
| CNXL_037230| hypothetical protein                       | -0.092677785     | 0.861349479 |
| CNXL_037240| hypothetical protein                       | 0.909119188      | 0.003842597 |
| CNXL_037250| hypothetical protein                       | -0.24998023      | 0.567887304 |
| CNXL_037260| hypothetical protein                       | 0.09733379       | 0.85183218  |
| CNXL_037270| hypothetical protein                       | 0.00179765       | 0.850186907 |
| CNXL_037280| hypothetical protein                       | 0.09733379       | 0.85183218  |
| CNXL_037290| hypothetical protein                       | 0.09733379       | 0.85183218  |
| CNXL_037300| hypothetical protein                       | -0.378631771     | 0.372044973 |
| CNXL_037310| hypothetical protein                       | -0.35578009      | 0.46867391  |
| CNXL_037320| hypothetical protein                       | 0.09733379       | 0.85183218  |
| CNXL_037330| hypothetical protein                       | -1.72734578      | 3.0985E-07  |
| CNXL_037340| hypothetical protein                       | 0.115331616      | 0.850186907 |
| CNXL_037350| hypothetical protein                       | 0.377806417      | 0.38442979  |
| CNXL_037360| hypothetical protein                       | -0.0340056       | 0.965101267 |
| CNXL_037370| hypothetical protein                       | -0.071056232     | 0.924607253 |
| CNXL_037380| hypothetical protein                       | -0.148197023     | 0.872477194 |
| CNXL_037390| hypothetical protein                       | 0.14361886       | 0.908809603 |
| CNXL_037400| hypothetical protein                       | 0.600635329      | 0.144402226 |
| CNXL_037410| hypothetical protein                       | -0.22271584      | 0.734939207 |
| CNXL_037420| hypothetical protein                       | 0.085931026      | 0.892423276 |
| CNXL_037430| hypothetical protein                       | 0.154981804      | 0.776955714 |
| CNXL_037440| hypothetical protein                       | 0.085931026      | 0.892423276 |
| CNXL_037450| hypothetical protein                       | 0.663192635      | 0.301460429 |
| CNXL_037460| hypothetical protein                       | 0.085931026      | 0.892423276 |
| CNXL_037470| hypothetical protein                       | 0.663192635      | 0.301460429 |
| CNXL_037480| hypothetical protein                       | -0.234897646     | 0.552854078 |
| CNXL_037490| hypothetical protein                       | 0.061670853      | 0.916084262 |
| CNXL_037500| hypothetical protein                       | 0.081092453      | 0.889001735 |
| CNXL_037510| hypothetical protein                       | -1.728096123     | 8.18575E-12 |
| CNXL_037520| hypothetical protein                       | 0.137592284      | 0.807623732 |
| CNXL_037530| hypothetical protein                       | 0.193572016      | 0.701324577 |
| CNXL_037540| hypothetical protein                       | -0.148403111     | 0.770358678 |
| CNXL_037550| hypothetical protein                       | 0.154981804      | 0.776955714 |
| CNXL_037560| hypothetical protein                       | -0.083806264     | 0.894317988 |
| CNXL_037570| hypothetical protein                       | -0.072375009     | 0.907858192 |
| CNXL_037580| hypothetical protein                       | 0.447206786      | 0.260596728 |
| CNXL_037590| hypothetical protein                       | 0.356440265      | 0.527938546 |
| CNXL_037600| hypothetical protein                       | 0.401732956      | 0.419861756 |
| CNXL_037610| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037620| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037630| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037640| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037650| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037660| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037670| hypothetical protein                       | 0.413269891      | 0.303744123 |
| CNXL_037680| hypothetical protein                       | 0.413269891      | 0.303744123 |
| Gene     | Symbol   | Log2 Fold Change | p-value       | Description                                      |
|----------|----------|------------------|---------------|--------------------------------------------------|
| phospholipase | CF02980  | -0.362815505     | 0.3152203      | Unknown                                          |
| trimethyllysine dioxygenase | CF02990  | -0.40346886      | 0.36623285     | Unknown                                          |
| solute carrier family 35 | CF03000  | 0.0655439        | 0.91433856     | Unknown                                          |
| GPI inositol-deacylase | CF03020  | -0.110039462     | 0.94033285     | Unknown                                          |
| oxidation resistance protein 1 | CF03030  | NA               | NA             | Unknown                                          |
| NA | CF03040  | 0                | NA             | Unknown                                          |
| NA | CF03050  | -1.330752087     | NA             | Unknown                                          |
| NA | CF03060  | 0.63431984       | 0.06047424     | Unknown                                          |
| NA | CF03070  | 1.198031908      | 4.28007E-07    | Unknown                                          |
| GPI inositol-deacylase | CF03080  | 0.60472241       | 0.065740795    | Unknown                                          |
| NA | CF03090  | -0.118202561     | 0.10647482     | Unknown                                          |
| NA | CF03100  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03110  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03120  | -0.040128112     | 0.962977691    | Unknown                                          |
| NA | CF03130  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03140  | -0.167950519     | 0.7126331      | Unknown                                          |
| NA | CF03150  | 0.324059138      | 0.078543144    | Unknown                                          |
| NA | CF03160  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03170  | 0.378333144      | 0.04137482     | Unknown                                          |
| NA | CF03180  | -0.118202561     | 0.10647482     | Unknown                                          |
| NA | CF03190  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03200  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03210  | -0.040128112     | 0.962977691    | Unknown                                          |
| NA | CF03220  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03230  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03240  | -0.118202561     | 0.10647482     | Unknown                                          |
| NA | CF03250  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03260  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03270  | -0.040128112     | 0.962977691    | Unknown                                          |
| NA | CF03280  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03290  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03300  | -0.040128112     | 0.962977691    | Unknown                                          |
| NA | CF03310  | -0.011307494     | 0.990008547    | Unknown                                          |
| NA | CF03320  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03330  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03340  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03350  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03360  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03370  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03380  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03390  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03400  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03410  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03420  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03430  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03440  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03450  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03460  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03470  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03480  | -0.240326929     | 0.61574823     | Unknown                                          |
| NA | CF03490  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03500  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03510  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03520  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03530  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03540  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03550  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03560  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03570  | 0.010958656      | 0.990008547    | Unknown                                          |
| NA | CF03580  | 0.010958656      | 0.990008547    | Unknown                                          |
| Gene ID | Description | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Score 6 | Score 7 | Score 8 | Score 9 | Score 10 |
|--------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CNXL_038270 | hypothetical protein | -0.438735323 | 0.312160498 |
| CNXL_038280 | hypothetical protein | -0.134056954 | 0.841354437 |
| CNXL_038290 | hypothetical protein | -0.057074875 | 0.953145249 |
| CNXL_038300 | hypothetical protein | -0.46503964 | 0.142649555 |
| CNXL_038310 | hypothetical protein | -0.516477872 | 0.21653299 |
| CNXL_038320 | rhomboid family membrane protein | 0.895028827 | 0.000982771 |
| CNXL_038330 | hypothetical protein | -0.206588512 | 0.705198732 |
| CNXL_038340 | diphthine synthase | 0.125659098 | 0.867431426 |
| CNXL_038350 | GPI-anchor transamidase | -0.201266403 | 0.789423788 |
| CNXL_038360 | hypothetical protein | 0.224342547 | 0.650714942 |
| CNXL_038370 | hypothetical protein | 0.349334882 | 0.488583556 |
| CNXL_038380 | mRNA polymerase-associated protein | 0.079193758 | 0.93471488 |
| CNXL_038390 | hypothetical protein | 0.201200677 | 0.7126331 |
| CNXL_038400 | membrane trafficking and ER morphology protein | 0.195322491 | 0.753537236 |
| CNXL_038410 | hypothetical protein | -0.647742813 | 0.069009964 |
| CNXL_038420 | C-22 sterol desaturase | 0.172323232 | 0.040747E-05 |
| CNXL_038430 | ribonuclease III | 0.110131475 | 0.850544343 |
| CNXL_038440 | Tox tor kinase | -0.093066148 | 0.875743895 |
| CNXL_038450 | DNA-directed RNA polymerase III subunit RPC6 | 0.126559921 | 0.830440343 |
| CNXL_038460 | cathepsin A | -0.558774682 | 0.885878444 |
| CNXL_038470 | E3 ubiquitin-protein ligase MARCH6 | 0.425019955 | 0.214364087 |
| CNXL_038480 | malate dehydrogenase | 0.061312481 | 0.943193944 |
| CNXL_038490 | ubiquitin carboxyl-terminal hydrolase 22/27/51 | -0.106601635 | 0.002051794 |
| CNXL_038500 | hypothetical protein | -0.313320104 | 0.494878677 |
| CNXL_038510 | CCR4-NOT transcription complex subunit 3 | -0.413639305 | 0.51244137 |
| CNXL_038520 | hypothetical protein | 0.052567683 | 0.933394957 |
| CNXL_038530 | DNA polymerase epsilon subunit B | 0.75671844 | 0.012180411 |
| CNXL_038540 | small subunit ribosomal protein S15 | 0.207358523 | 0.976443371 |
| CNXL_038550 | Atypical/ABC1 protein kinase | -0.022362228 | 0.979695435 |
| CNXL_038560 | myosin heavy chain | 0.434763319 | 0.341532505 |
| CNXL_038570 | mitochondrial translocase subunit tim44 | 0.300535346 | 0.425328399 |
| CNXL_038580 | hypothetical protein | 0.065581907 | 0.923298629 |
| CNXL_038590 | E3 ubiquitin-protein ligase MARCH6 | 0.143102194 | 0.779355929 |
| CNXL_038600 | hypothetical protein | 0.599386628 | 0.078923725 |
| CNXL_038610 | ubiquitin carboxyl-terminal hydrolase 22/27/51 | 0.420846344 | 0.742187954 |
| CNXL_038620 | hypothetical protein | -0.774648466 | 0.030574464 |
| CNXL_038630 | inositol oxygenase | -0.567711302 | 0.054428043 |
| CNXL_038640 | hypothetical protein | 0.237668999 | 0.562700958 |
| CNXL_038650 | hypothetical protein | -0.558317769 | 0.17290643 |
| CNXL_038660 | mitochondrial Rho GTPase 1 | 0.111112615 | 0.874351584 |
| CNXL_038670 | mitochondrial protein | -1.409646926 | 0.001440555 |
| CNXL_038680 | hypothetical protein | 0.050678235 | 0.944879244 |
| CNXL_038690 | hypothetical protein | 0.143760098 | 0.880552138 |
| CNXL_038700 | hypothetical protein | -0.750452999 | 0.008654672 |
| CNXL_038710 | hypothetical protein | 0.075028121 | 0.906269434 |
| CNXL_038720 | endoplasmic reticulum protein | 0.1027573 | 0.87555787 |
| CNXL_038730 | hypothetical protein | -0.599246237 | 0.054392588 |
| CNXL_038740 | DNA polymerase I subunit RPA2 | -1.053036286 | 0.001450786 |
| CNXL_038750 | MFS transporter | 0.38982867 | 0.930990489 |
| CNXL_038760 | hypothetical protein | -0.637453834 | 0.264189715 |
| CNXL_038770 | hypothetical protein | 0.467517827 | 0.179438445 |
| CNXL_038780 | hypothetical protein | -0.357877601 | 0.417865353 |
| CNXL_038790 | hypothetical protein | 0.261914046 | 0.540948602 |
| CNXL_038800 | rho family GTPase | -0.302250549 | 0.452146814 |
| CNXL_038810 | small subunit ribosomal protein S2 | 0.251855079 | 0.720698078 |
| CNXL_038820 | hypothetical protein | -0.370144972 | 0.432050869 |
| CNXL_038830 | unknown | 0.545399079 | 0.354219773 |
| CNXL_038840 | di- and tripeptidase | 0.127868435 | 0.875142696 |
| Gene ID      | Description                                      | Score 1 | Score 2 | Score 3 | Score 4 |
|-------------|--------------------------------------------------|---------|---------|---------|---------|
| CNF04190    | amidohydrolase                                    | 0.334605272 | 0.43363696 |         |         |
| CNF04200    | vesicle-fusing ATPase                             | -0.10433579 | 0.919952257 |         |         |
| CNF04210    | hypothetical protein                              | -0.076306986 | 0.965101267 |         |         |
| CNF04220    | hypothetical protein                              | -0.018772432 | 0.983318676 |         |         |
| CNF04230    | hypothetical protein                              | -0.832701272 | 0.217721523 |         |         |
| CNF04240    | hypothetical protein                              | 0.376012091 | 0.755488326 |         |         |
| CNF04250    | hypothetical protein                              | 0.603975569 | 0.062208681 |         |         |
| CNF04260    | hypothetical protein                              | -0.363624224 | 0.292795277 |         |         |
| CNF04270    | hypothetical protein                              | -0.002909363 | 0.996472611 |         |         |
| CNF04280    | hypothetical protein                              | -0.09420018 | 0.868600207 |         |         |
| CNF04290    | hypothetical protein                              | 1.018220121 | 0.035602799 |         |         |
| CNF04300    | hypothetical protein                              | -0.23303529 | 0.732891168 |         |         |
| CNF04310    | hypothetical protein                              | -0.339044357 | 0.592736437 |         |         |
| CNF04320    | hypothetical protein                              | 0.013073678 | 0.987759522 |         |         |
| CNF04330    | secreted antiphagocytic protein                   | 0.530011348 | 0.782173947 |         |         |
| CNF04340    | hypothetical protein                              | -0.73049045 | 0.055617738 |         |         |
| CNF04350    | hypothetical protein                              | 0.494112288 | 0.189297101 |         |         |
| CNF04360    | hypothetical protein                              | -0.36489339 | 0.510006134 |         |         |
| CNF04370    | hypothetical protein                              | -1.177852804 | 0.000157781 |         |         |
| CNF04380    | hypothetical protein                              | -1.03122041 | 0.885449489 |         |         |
| CNF04390    | hypothetical protein                              | -0.637619119 | 0.014346309 |         |         |
| CNF04400    | hypothetical protein                              | 1.407628645 | 0.000468261 |         |         |
| CNF04410    | hypothetical protein                              | 1.817439159 | 0.170587304 |         |         |
| CNF04420    | hypothetical protein                              | 1.286205061 | 2.93714E-06 |         |         |
| CNF04430    | hypothetical protein                              | -0.118620363 | 0.866875842 |         |         |
| CNF04440    | hypothetical protein                              | -0.439786701 | 0.385883789 |         |         |
| CNF04450    | hypothetical protein                              | 0.310109639 | 0.431497115 |         |         |
| CNF04460    | pyruvate dehydrogenase                            | 0.025466666 | 0.972638293 |         |         |
| CNF04470    | hypothetical protein                              | 0.814197963 | 0.00331677 |         |         |
| CNF04480    | hypothetical protein                              | 0.645505098 | 0.959737732 |         |         |
| CNF04490    | hypothetical protein                              | 0.23276799 | 0.648838362 |         |         |
| CNF04500    | hypothetical protein                              | 0.24572559 | 0.584869453 |         |         |
| CNF04510    | hypothetical protein                              | -0.373617241 | 0.357567274 |         |         |
| CNF04520    | hypothetical protein                              | -0.648510504 | 0.103869914 |         |         |
| CNF04530    | hypothetical protein                              | 0.357609782 | 0.031003853 |         |         |
| CNF04540    | hypothetical protein                              | 1.344411592 | 0.213868556 |         |         |
| CNF04550    | hypothetical protein                              | 0.674785908 | 0.404812566 |         |         |
| CNF04560    | hypothetical protein                              | -0.765444699 | 0.009648212 |         |         |
| CNF04570    | allantoate transporter                            | 0.418446522 | 0.318563249 |         |         |
| CNF04580    | esterase                                         | 0.687933749 | 0.102947308 |         |         |
| CNF04590    | cysteine and glycine-rich protein                 | 0.064483597 | 0.928595731 |         |         |
| CNF04600    | hypothetical protein                              | -0.378666617 | 0.357567274 |         |         |
| CNF04610    | hypothetical protein                              | -0.979684643 | 0.040145554 |         |         |
| CNF04620    | hypothetical protein                              | -0.017549633 | 0.985173026 |         |         |
| CNF04630    | aromatic amino acid aminotransferase              | -0.131220405 | 0.819461283 |         |         |
| CNF04640    | hypothetical protein                              | 0.258910772 | 0.635645504 |         |         |
| CNF04650    | hypothetical protein                              | -0.095557846 | 0.881752079 |         |         |
| CNF04660    | hypothetical protein                              | -0.177575765 | 0.746767697 |         |         |
| CNF04670    | hypothetical protein                              | -0.303854943 | 0.570805968 |         |         |
| CNF04680    | hypothetical protein                              | 0.089717203 | 0.919952257 |         |         |
| CNF04690    | hypothetical protein                              | 0.051989376 | 0.934678457 |         |         |
| CNF04700    | hypothetical protein                              | -0.215148044 | 0.724615229 |         |         |
| CNF04710    | hypothetical protein                              | -0.310247882 | 0.884028948 |         |         |
| CNF04720    | hypothetical protein                              | 0.036672968 | 0.95268881 |         |         |
| CNF04730    | hypothetical protein                              | -0.09716854 | 0.868600207 |         |         |
| CNF04740    | hypothetical protein                              | -0.150015593 | 0.835972626 |         |         |
| CNF04750    | hypothetical protein                              | 0.739230948 | 0.046397979 |         |         |
| CNF04760    | hypothetical protein                              | 0.138297162 | 0.799344206 |         |         |
| Gene             | Description                                                                 |
|------------------|-----------------------------------------------------------------------------|
| CNG00410         | aspartate-tRNA                                                             |
| CNG00420         | D-amino-acid oxidase                                                       |
| CNG00430         | hypothetical protein                                                       |
| CNG00440         | hypothetical protein                                                       |
| CNG00450         | allantouate permease                                                       |
| CNG00460         | hypothetical protein                                                       |
| CNG00470         | transcription initiation factor TFIIA small subunit                        |
| CNG00480         | dimethylaline monooxygenase                                                |
| CNG00490         | acylglucose-phosphate reductase                                            |
| CNG00500         | coatomer protein complex                                                  |
| CNG00510         | hypothetical protein                                                       |
| CNG00520         | zinc finger HMT domain-containing protein 1                                |
| CNG00530         | hypothetical protein                                                       |
| CNG00540         | hypothetical protein                                                       |
| CNG00550         | hypothetical protein                                                       |
| CNG00560         | arginase                                                                  |
| CNG00570         | hypothetical protein                                                       |
| CNG00580         | aspartyl/glutamyl-tRNA                                                     |
| CNG00590         | hypothetical protein                                                       |
| CNG00600         | hypothetical protein                                                       |
| CNG00610         | methyltetrahydrofolate dehydrogenase                                      |
| CNG00620         | hypothetical protein                                                       |
| CNG00630         | hypothetical protein                                                       |
| CNG00640         | hypothetical protein                                                       |
| CNG00650         | hypothetical protein                                                       |
| CNG00660         | hypothetical protein                                                       |
| CNG00670         | hypothetical protein                                                       |
| CNG00680         | hypothetical protein                                                       |
| CNA05340         | 1-phosphatidylinositol 4-kinase                                            |
| CNG00690         | hypothetical protein                                                       |
| CNG00700         | hypothetical protein                                                       |
| CNG00710         | hypothetical protein                                                       |
| CNG00720         | hypothetical protein                                                       |
| CNG00730         | DNA-directed RNA polymerase III subunit RPC10                              |
| CNG00740         | hypothetical protein                                                       |
| CNG00750         | hypothetical protein                                                       |
| CNG00760         | hypothetical protein                                                       |
| CNG00770         | hypothetical protein                                                       |
| CNG00780         | hypothetical protein                                                       |
| CNG00790         | hypothetical protein                                                       |
| CNG00800         | hypothetical protein                                                       |
| CNG00810         | hypothetical protein                                                       |
| CNG00820         | hypothetical protein                                                       |
| CNG00830         | hypothetical protein                                                       |
| CNG00840         | hypothetical protein                                                       |
| CNG00850         | ribosomal RNA-processing protein 7                                        |
| CNG00860         | hypothetical protein                                                       |
| CNG00870         | hypothetical protein                                                       |
| CNG00880         | hypothetical protein                                                       |
| CNG00890         | hypothetical protein                                                       |
| CNG00900         | hypothetical protein                                                       |
| CNG00910         | ATP-binding cassette transporter                                           |
kinetochore protein Mis13/DSN1
hypothetical protein
efflux protein EncT
laccase
phosphoglycerate dehydrogenase
ribonuclease P protein component
hypothetical protein
1-alkyl-2-acetylglycerophosphocholine esterase
twin-arginine translocation pathway signal peptide
hypothetical protein
translation initiation factor eIF-2B subunit delta
DNA repair protein
peptidyl-prolyl cis-trans isomerase B
BET3 family protein
phosphatidylinositol glycan
AFG1 family mitochondrial ATPase
spermidine synthase
small subunit ribosomal protein S21
DNAJ domain-containing protein
putative mRNA-dependent RNA polymerase
ATP-binding cassette transporter
putative metal ion transporter
| Gene ID | Description | Similarity Score |
|--------|-------------|-----------------|
| CNG01480 | hypothetical protein | 0.002951367 |
| CNG01180 | hexose transporter | 0.885449489 |
| CNG01190 | hypothetical protein | 0.417866535 |
| CNG01200 | alanine transaminase | 0.881726613 |
| CNG01210 | ribonucleoprotein-associated protein | 0.935690014 |
| CNG01220 | solute carrier family 45 | 0.647175553 |
| CNG01230 | endo alpha-1 | 0.00655086 |
| CNG01240 | solute carrier family 2 | 0.475340486 |
| CNG01250 | nuclear protein | 0.877313027 |
| CNG01260 | amidohydrolase 2 | 0.521085092 |
| CNG01270 | hypothetical protein | 0.972638293 |
| CNG01280 | tricarboxylate transporter | 0.717347987 |
| CNG01290 | aconitate hydratase | 0.675638659 |
| CNG01300 | GDP-mannose transporter | 0.531504526 |
| CNG01310 | hypothetical protein | 0.514179651 |
| CNG01320 | hypothetical protein | 0.886997541 |
| CNG01330 | transcriptional activator | 0.480560718 |
| CNG01340 | calcineurin temperature suppressor | 0.857954608 |
| CNG01350 | hypothetical protein | 0.982102702 |
| CNG01360 | Gly-Xaa carboxypeptidase | 0.602968931 |
| CNG01370 | ATP-dependent RNA helicase DDX41 | 0.587056989 |
| CNG01380 | exportin-1 | 0.43365669 |
| CNG01390 | hypothetical protein | 0.965465882 |
| CNG01400 | hypothetical protein | 0.000130057 |
| CNG01410 | hypothetical protein | 0.012537174 |
| CNG01420 | hypothetical protein | 0.912929878 |
| CNG01430 | alginate lyase | 0.308324087 |
| CNG01440 | endochitinase | 0.779355929 |
| CNG01450 | hypothetical protein | 0.612903776 |
| CNG01460 | cytoplasmic protein | 0.781024995 |
| CNG01470 | response regulator and transcription factor | 0.707017297 |
| CNG01480 | hypothetical protein | 0.84818426 |
| CNG01490 | putative compass/set1 complex subunit | 4.31689E-15 |
| CNG01500 | hypothetical protein | 0.006327682 |
| CNG01510 | hypothetical protein | 0.288244801 |
| CNG01520 | hypothetical protein | 0.790239393 |
| CNG01530 | mitochondrial protein | 0.467310008 |
| CNG01540 | hypothetical protein | 0.024275521 |
| CNG01550 | hypothetical protein | 0.478589474 |
| CNG01560 | oxidoreductase | 0.323086046 |
| CNG01570 | hypothetical protein | 0.942418612 |
| CNG01580 | zinc ion transporter | 0.539814334 |
| CNG01590 | hypothetical protein | 0.219744161 |
| CNG01600 | hypothetical protein | 0.683642142 |
| CNG01610 | hypothetical protein | 0.383307552 |
| CNG01620 | hypothetical protein | 0.926407741 |
| CNG01630 | NifU-like protein c | 0.944879244 |
| CNG01640 | hypothetical protein | 0.219483169 |
| CNG01650 | hypothetical protein | 0.000130057 |
| CNG01660 | hypothetical protein | 0.012537174 |
| CNG01670 | hypothetical protein | 0.912929878 |
| CNG01680 | hypothetical protein | 0.306288601 |
| CNG01690 | hypothetical protein | 0.464771019 |
| CNG01700 | hypothetical protein | 0.211888099 |
| CNG01710 | hypothetical protein | 0.388305056 |
| CNG01720 | hypothetical protein | 0.926407741 |
| CNG01730 | hypothetical protein | 0.944879244 |
| CNG01740 | mitochondrial inner membrane protein | 0.511541134 |
| CNG01750 | AAA family ATPase | 0.29461261 |
| CNG01760 | hypothetical protein | 0.388305056 |
| CNG01770 | hypothetical protein | 0.926407741 |
| CNG01780 | hypothetical protein | 0.944879244 |
| CNG01790 | hypothetical protein | 0.211888099 |
| CNG01800 | hypothetical protein | 0.388305056 |
| CNG01810 | hypothetical protein | 0.926407741 |
| CNG01820 | hypothetical protein | 0.926407741 |
| CNG01830 | hypothetical protein | 0.926407741 |
| CNG01840 | hypothetical protein | 0.926407741 |
| CNG01850 | hypothetical protein | 0.926407741 |
| CNG01860 | hypothetical protein | 0.926407741 |
| CNG01870 | hypothetical protein | 0.926407741 |
| CNG01880 | hypothetical protein | 0.926407741 |
| CNG01890 | hypothetical protein | 0.926407741 |
| CNG01900 | hypothetical protein | 0.926407741 |
| CNG01910 | hypothetical protein | 0.926407741 |
| CNG01920 | hypothetical protein | 0.926407741 |
| CNG01930 | hypothetical protein | 0.926407741 |
| CNG01940 | hypothetical protein | 0.926407741 |
| CNG01950 | hypothetical protein | 0.926407741 |
| CNG01960 | hypothetical protein | 0.926407741 |
| CNG01970 | hypothetical protein | 0.926407741 |
| CNG01980 | hypothetical protein | 0.926407741 |
| CNG01990 | hypothetical protein | 0.926407741 |
| CNG02000 | hypothetical protein | 0.926407741 |
| Gene ID     | Gene Name                | Log2 Fold Change | p-value               |
|------------|--------------------------|------------------|-----------------------|
| CNG02040   | hypothetical protein     | 0.226426167      | 0.679255446 Unknown   |
| CNG02050   | N-acetyltransferase 5    | -0.399721852     | 0.435253961           |
| CNG02060   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02080   | hypothetical protein     | -0.570354736     | 0.119973748           |
| CNG02090   | hypothetical protein     | 0.157406713      | 0.754261938 cytoplasmic protein |
| CNG02100   | hypothetical protein     | -0.322168253     | 0.438321846 succinyl-CoA synthetase alpha subunit |
| CNG02110   | N-acetyltransferase 5    | 0.111932373      | 0.869120128 vacuolar protein-sorting protein BRO1 |
| CNG02120   | hypothetical protein     | 0.439595882      | 0.20261105 hypothetical protein |
| CNG02140   | cytoplasmic protein      | 0.111932373      | 0.869120128 vacuolar protein-sorting protein BRO1 |
| CNG02150   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02160   | hypothetical protein     | -0.570354736     | 0.119973748           |
| CNG02170   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02180   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02190   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02200   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02210   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02220   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02230   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02240   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02250   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02260   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02270   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02280   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02290   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02300   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02310   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02320   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02330   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02340   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02350   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02360   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02370   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02380   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02390   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02400   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02410   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02420   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02430   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02440   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02450   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02460   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02470   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02480   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02490   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02500   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02510   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02520   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02530   | hypothetical protein     | 0.180064942      | 0.734939207           |
| CNG02540   | hypothetical protein     | 0.180064942      | 0.734939207           |
| Gene ID   | Name                                           | Expression Value | GO Terms                                                                 | Other Information                                      |
|-----------|------------------------------------------------|------------------|-------------------------------------------------------------------------|--------------------------------------------------------|
| CNG02550  | hypothetical protein                           | 0.510510522      | hypothesized protein                                                    |                                                        |
| CNG02560  | nicotinamide N-methyltransferase               | 0.50682462       | hypothesized protein                                                    |                                                        |
| CNG02570  | coatomer beta subunit                          | 0.928181121      | UDP-glucuronate acid decarboxylase                                       |                                                        |
| CNG02580  | vacuolar protein sorting-associated protein 9  | 0.465784729      | hypothesized protein                                                    |                                                        |
| CNG02590  | membrane protein                               | 0.752406834      | hypothesized protein                                                    |                                                        |
| CNG02600  | phospholipid binding protein                   | 0.859615039      | hypothesized protein                                                    |                                                        |
| CNG02610  | vesicle transport through interaction with t-SNAREs 1 | 0.539621712    | AP-1 complex subunit mu-1                                               |                                                        |
| CNG02640  | large subunit ribosomal protein L24e           | 0.9902759         | GDP-binding protein                                                     |                                                        |
| CNG02650  | unknown                                       | 0.166322519      | YTH domain family 2                                                      |                                                        |
| CNG02660  | hydroxymethylglutaryl-CoA synthase             | 0.935117161      | nicotinamide N-methyltransferase                                        |                                                        |
| CNG02670  | mannos-1-phosphate guanylyltransferase         | 0.506617296      | hypothesized protein                                                    |                                                        |
| CNG02680  | vacuolar protein sorting-associated protein 9  | 0.934493899      | pre-mRNA-splicing factor CWC21                                           |                                                        |
| CNG02700  | protein LTV1                                   | 0.987076518      | hypothesized protein                                                    |                                                        |
| CNG02710  | vesicle transport through interaction with t-SNAREs 1 | 1.14517E-05     | vesicle transport through interaction with t-SNAREs 1                   |                                                        |
| CNG02720  | vacuolar protein sorting-associated protein 9  | 0.492433582      | hypothesized protein                                                    |                                                        |
| CNG02740  | calcium binding protein                        | 0.650209435      | hypothesized protein                                                    |                                                        |
| CNG02750  | subunit ribosomal protein S27                 | 0.661992658      | hypothesized protein                                                    |                                                        |
| CNG02760  | protein LTV1                                   | 0.804701377      | hypothesized protein                                                    |                                                        |
| CNG02770  | putative histone acetyltransferase complex subunit | 0.988428948    | putative histone acetyltransferase complex subunit                      |                                                        |
| CNG02780  | tyrosine specific protein phosphatase           | 0.925791946      | hypothesized protein                                                    |                                                        |
| CNG02790  | vacuolar protein sorting-associated protein 9  | 0.94390455       | hypothesized protein                                                    |                                                        |
| CNG02800  | vacuolar protein sorting-associated protein 9  | 0.677367265      | pre-rRNA-processing protein                                             |                                                        |
| CNG02810  | vacuolar protein sorting-associated protein 9  | 0.544657787      | hypothesized protein                                                    |                                                        |
| CNG02820  | vacuolar protein sorting-associated protein 9  | 0.900176807      | hypothesized protein                                                    |                                                        |
| CNG02830  | vacuolar protein sorting-associated protein 9  | 0.981240834      | hypothesized protein                                                    |                                                        |
| CNG02840  | vacuolar protein sorting-associated protein 9  | 0.893873062      | hypothesized protein                                                    |                                                        |
| CNG02850  | vacuolar protein sorting-associated protein 9  | 0.558192148      | membrane protein                                                        |                                                        |
| CNG02860  | vacuolar protein sorting-associated protein 9  | 0.825693641      | 28 kda golgi snare protein                                              |                                                        |
| CNG02870  | vacuolar protein sorting-associated protein 9  | 0.954657787      | hypothesized protein                                                    |                                                        |
| CNG02880  | vacuolar protein sorting-associated protein 9  | 0.992176872      | hypothesized protein                                                    |                                                        |
| CNG02890  | vacuolar protein sorting-associated protein 9  | 0.983318676      | hypothesized protein                                                    |                                                        |
| CNG02900  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02910  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02920  | vacuolar protein sorting-associated protein 9  | 0.900244607      | hypothesized protein                                                    |                                                        |
| CNG02930  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02940  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02950  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02960  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02970  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02980  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG02990  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03000  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03010  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03020  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03030  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03040  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03050  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| CNG03060  | vacuolar protein sorting-associated protein 9  | 0.92954724       | hypothesized protein                                                    |                                                        |
| Gene ID | Description | Z-score | P-value |
|---------|-------------|----------|---------|
| CNXL_042910 | CNG03070 | 0.24729214 | 0.561684603 |
| CNXL_042920 | CNG03080 | 0.139018709 | 0.83521771 |
| CNXL_042930 | CNG03090 | 0.371264578 | 0.312497815 |
| CNXL_042940 | CNG03100 | 1.622530975 | 0.068756567 |
| CNXL_042950 | CNG03110 | 0.17771121 | 0.983980369 |
| CNXL_042960 | CNG03120 | 0.233844444 | 0.72962477 |
| CNXL_042970 | CNG03130 | -0.870952343 | 0.011733169 |
| CNXL_042980 | CNG03140 | -0.166408414 | 0.774581868 |
| CNXL_042990 | CNG03150 | -0.07145619 | 0.916084262 |
| CNXL_043000 | CNG03160 | -0.211254828 | 0.670734824 |
| CNXL_043010 | CNG03170 | 0.009374164 | 0.991508881 |
| CNXL_043020 | CNG03180 | -0.023731233 | 0.976496222 |
| CNXL_043030 | CNG03190 | 0.161540379 | 0.859882796 |
| CNXL_043040 | CNG03200 | 0.099093864 | 0.881169328 |
| CNXL_043050 | CNG03210 | -0.160544655 | 0.803440343 |
| CNXL_043060 | CNG03220 | 0.606758166 | 0.331046262 |
| CNXL_043070 | CNG03230 | 0.571023194 | 0.957981111 |
| CNXL_043080 | CNG03240 | 0.009374164 | 0.991508881 |
| CNXL_043090 | CNG03250 | -0.033104082 | 0.964414864 |
| CNXL_043100 | CNG03260 | -0.195180852 | 0.72196764 |
| CNXL_043110 | CNG03270 | 0.091590421 | 0.870049852 |
| CNXL_043120 | CNG03280 | 0.038990754 | 0.972638293 |
| CNXL_043130 | CNG03290 | 0.161540379 | 0.859882796 |
| CNXL_043140 | CNG03300 | 0.099093864 | 0.881169328 |
| CNXL_043150 | CNG03310 | -0.160544655 | 0.803440343 |
| CNXL_043160 | CNG03320 | 0.009374164 | 0.991508881 |
| CNXL_043170 | CNG03330 | -0.033104082 | 0.964414864 |
| CNXL_043180 | CNG03340 | 0.451915092 | 0.21296764 |
| CNXL_043190 | CNG03350 | 0.451915092 | 0.21296764 |
| CNXL_043200 | CNG03360 | 0.105412252 | 0.791877674 |
| CNXL_043210 | CNG03370 | 0.091590421 | 0.870049852 |
| CNXL_043220 | CNG03380 | 0.017936069 | 0.984913368 |
| CNXL_043230 | CNG03390 | -0.033104082 | 0.964414864 |
| CNXL_043240 | CNG03400 | -0.490354446 | 0.334783364 |
| CNXL_043250 | CNG03410 | 0.017936069 | 0.984913368 |
| CNXL_043260 | CNG03420 | 0.400637898 | 0.570605968 |
| CNXL_043270 | CNG03430 | 0.425172342 | 0.292795277 |
| CNXL_043280 | CNG03440 | 0.425172342 | 0.292795277 |
| CNXL_043290 | CNG03450 | 0.24729214 | 0.561684603 |
| CNXL_043300 | CNG03460 | 0.834767635 | 0.007241848 |
| CNXL_043310 | CNG03470 | 0.834767635 | 0.007241848 |
| CNXL_043320 | CNG03480 | 0.017936069 | 0.984913368 |
| CNXL_043330 | CNG03490 | 0.425172342 | 0.292795277 |
| CNXL_043340 | CNG03500 | 0.425172342 | 0.292795277 |
| CNXL_043350 | CNG03510 | 0.24729214 | 0.561684603 |
| CNXL_043360 | CNG03520 | 0.24729214 | 0.561684603 |
| CNXL_043370 | CNG03530 | 0.24729214 | 0.561684603 |
| CNXL_043380 | CNG03540 | 0.24729214 | 0.561684603 |
| CNXL_043390 | CNG03550 | 0.24729214 | 0.561684603 |
| CNXL_043400 | CNG03560 | 0.24729214 | 0.561684603 |
| CNXL_043410 | CNG03570 | 0.24729214 | 0.561684603 |
| CNXL_043420 | CNG03580 | 0.24729214 | 0.561684603 |
| CNXL_043430 | CNG03590 | 0.24729214 | 0.561684603 |
| CNXL_043440 | CNG03600 | 0.24729214 | 0.561684603 |
| CNXL_043450 | CNG03610 | 0.24729214 | 0.561684603 |
| CNXL_043460 | CNG03620 | 0.24729214 | 0.561684603 |
| CNXL_043470 | CNG03630 | 0.24729214 | 0.561684603 |
| CNXL_043480 | CNG03640 | 0.24729214 | 0.561684603 |
| Gene          | Description                      | Score 1 | Score 2  |
|---------------|----------------------------------|---------|---------|
| CNG03550      | hypothetical protein              | -0.7522 | 0.9143  |
| CNG03560      | 26S protease regulatory subunit 7 | -0.3975 | 0.4270  |
| CNG03570      | Unknown                           | -0.2897 | 0.6327  |
| CNG03580      | hypothetical protein              | 0.7256  | 0.5852  |
| CNG03590      | UV DNA damage endonuclease        | -0.0024 | 0.9968  |
| CNG03600      | 26S protease regulatory subunit 7 | -0.38 | 0.363  |
| CNG03610      | ATP-dependent RNA helicase ROK1   | 0.0826  | 0.9044  |
| CNG03620      | DNA polymerase epsilon p12 subunit| -0.36 | 0.306  |
| CNG03630      | orotidine monophosphate pyrophosphorylase | 0.0962 | 0.8789 |
| CNG03640      | ubiquitin carboxyl-terminal hydrolase | -0.0024 | 0.9968 |
| CNG03650      | FAD dependent oxidoreductase      | -0.0921 | 0.8635  |
| CNG03660      | small subunit ribosomal protein S8e | 0.120 | 0.8881 |
| CNG03670      | hypothetical protein              | -0.1397 | 0.8144  |
| CNG03680      | DNA damage-binding protein 1      | -0.4585 | 0.2936 |
| CNG03690      | hypothetical protein              | 0.1594  | 0.8025  |
| CNG03700      | DNA damage-binding protein 1      | -0.0229 | 0.9812  |
| CNG03710      | DNA damage-binding protein 1      | 0.0961  | 0.8652  |
| CNG03720      | FAD dependent oxidoreductase      | -0.092 | 0.8635  |
| CNG03730      | small subunit ribosomal protein S8e | 0.0 | 0.998 |
| CNG03740      | low temperature-responsive protein| -0.2340 | 0.6025 |
| CNG03750      | low temperature-responsive protein| 0.0008 | 0.9980 |
| CNG03760      | low temperature-responsive protein| 0.2373 | 0.7737 |
| CNG03770      | protoporphyrinogen oxidase        | 0.2373 | 0.7737 |
| CNG03780      | protoporphyrinogen oxidase        | -0.0008 | 0.9980 |
| CNG03790      | protoporphyrinogen oxidase        | 0.3695 | 0.4536 |
| CNG03800      | protoporphyrinogen oxidase        | -0.2491 | 0.7009 |
| CNG03810      | protoporphyrinogen oxidase        | 0.0095 | 0.9915 |
| CNG03820      | protoporphyrinogen oxidase        | 0.7745 | 0.8881 |
| CNG03830      | protoporphyrinogen oxidase        | 0.1397 | 0.8144 |
| CNG03840      | protoporphyrinogen oxidase        | -0.0179 | 0.9865 |
| CNG03850      | protoporphyrinogen oxidase        | 0.0029 | 0.9812 |
| CNG03860      | protoporphyrinogen oxidase        | -0.2340 | 0.6024 |
| CNG03870      | protoporphyrinogen oxidase        | 0.1594 | 0.8025 |
| CNG03880      | protoporphyrinogen oxidase        | 0.1582 | 0.6973 |
| CNG03890      | protoporphyrinogen oxidase        | 0.0864 | 0.9502 |
| CNG03900      | protoporphyrinogen oxidase        | -0.2394 | 0.8047 |
| CNG03910      | protoporphyrinogen oxidase        | -0.2491 | 0.7009 |
| CNG03920      | protoporphyrinogen oxidase        | 0.0095 | 0.9915 |
| CNG03930      | protoporphyrinogen oxidase        | 0.7745 | 0.8881 |
| CNG03940      | protoporphyrinogen oxidase        | 0.1397 | 0.8144 |
| CNG03950      | protoporphyrinogen oxidase        | -0.0179 | 0.9865 |
| CNG03960      | protoporphyrinogen oxidase        | 0.0029 | 0.9812 |
| CNG03970      | protoporphyrinogen oxidase        | -0.2340 | 0.6024 |
| CNG03980      | protoporphyrinogen oxidase        | 0.1594 | 0.8025 |
| CNG03990      | protoporphyrinogen oxidase        | 0.1582 | 0.6973 |
| CNG04000      | protoporphyrinogen oxidase        | 0.0864 | 0.9502 |
| CNG04010      | protoporphyrinogen oxidase        | -0.2394 | 0.8047 |
| CNG04020      | protoporphyrinogen oxidase        | -0.2491 | 0.7009 |
| CNG04030      | protoporphyrinogen oxidase        | 0.0095 | 0.9915 |
| CNG04040      | protoporphyrinogen oxidase        | 0.7745 | 0.8881 |
| CNG04050      | protoporphyrinogen oxidase        | 0.1397 | 0.8144 |
| CNG04060      | protoporphyrinogen oxidase        | -0.0179 | 0.9865 |
| Gene ID     | Description                          | Score 1 | Score 2 | Score 3 | Score 4 | Score 5 | Score 6 | Score 7 | Score 8 | Score 9 | Score 10 | Score 11 | Score 12 | Score 13 | Score 14 | Score 15 | Score 16 | Score 17 | Score 18 | Score 19 | Score 20 | Score 21 | Score 22 | Score 23 | Score 24 | Score 25 | Score 26 | Score 27 | Score 28 | Score 29 | Score 30 |
|------------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CNG04080   | alpha-1 hypothetical protein         | -0.955624751 | 0.028845773 | DNA cross-link repair 1A protein |
| CNG04090   | cytoplasmic protein                  | -0.3982826 | 0.290975028 | cytoplasmic protein |
| CNG04100   | alpha-1                              | -0.08136057 | 0.914012027 | alpha-1 |
| CNG04110   | hypothetical protein                 | 0.188419732 | 0.754214936 | hypothetical protein |
| CNG04120   | hypothetical protein                 | 0.268236285 | 0.540031756 | hypothetical protein |
| CNG04121   | ENTH domain-containing protein       | 0.563900792 | 0.173355118 | ENTH domain-containing protein |
| CNG04130   | hypothetical protein                 | -0.049604322 | 0.946988179 | Unknown |
| CNG04140   | hypothetical protein                 | -0.118228857 | 0.890150525 | hypothetical protein |
| CNG04150   | hypothetical protein                 | 0.00000015 | 0.843239591 | hypothetical protein |
| CNG04160   | hypothetical protein                 | -0.249078431 | 0.724414078 | hypothetical protein |
| CNG04170   | hypothetical protein                 | 0.198009178 | 0.703958737 | calcium-binding protein |
| CNG04180   | hypothetical protein                 | -0.510928007 | 0.391858761 | similar to cop9 signalosome subunit 4 |
| CNG04190   | hypothetical protein                 | -0.066950032 | 0.93471488 | solute carrier family 25 |
| CNG04200   | hypothetical protein                 | -0.10602015 | 0.893192733 | infection related ring finger protein |
| CNG04210   | nuclear condensin complex protein    | 0.52711917 | 0.159372565 | nuclear condensin complex protein |
| CNG04220   | rhomboid-like protein                | 0.468878245 | 0.292795277 | rhomboid-like protein |
| CNG04230   | alpha-amylase                        | 1.107483193 | 0.205361326 | alpha-amylase |
| CNG04240   | peptide-methionine                  | 0.469548279 | 0.179645479 | Unknown |
| CNG04250   | 3-hydroxyacyl-CoA dehydrogenase      | 2.131228123 | 0.080505653 | peptide-methionine |
| CNG04260   | hypothetical protein                 | 1.336562269 | 7.45229E-05 | hypothetical protein |
| CNG04270   | hypothetical protein                 | 0.025282816 | 0.97242592 | hypothetical protein |
| CNG04280   | hypothetical protein                 | -0.056731238 | 0.928697591 | hypothetical protein |
| CNG04290   | hypothetical protein                 | 0.029663105 | 0.784690232 | NAD-dependent histone deacetylase SIR2 |
| CNG04300   | hypothetical protein                 | 0.311321414 | 0.454774776 | cullin subunit of scf-like ubiquitin ligase |
| CNG04310   | hypothetical protein                 | 0.04340217 | 0.954286695 | CMGC/CDK protein kinase |
| CNG04320   | hypothetical protein                 | -0.370648303 | 0.374737238 | hypothetical protein |
| CNG04330   | hypothetical protein                 | 0.117404221 | 0.820111382 | hypothetical protein |
| CNG04340   | hypothetical protein                 | 0.378467279 | 0.26603097 | 3-hydroxyacyl-CoA dehydrogenase |
| CNG04350   | hypothetical protein                 | -0.311852961 | 0.770018577 | UDP-glucose sterol transferase |
| CNG04360   | hypothetical protein                 | -0.030877478 | 0.969527869 | hypothetical protein |
| CNG04370   | hypothetical protein                 | -0.039714865 | 0.962166617 | NAD-dependent histone deacetylase SIR2 |
| CNG04380   | hypothetical protein                 | -0.213178764 | 0.690272467 | rho-type GTase |
| CNG04390   | hypothetical protein                 | 0.355841048 | 0.451926759 | transcription factor iia |
| CNG04400   | hypothetical protein                 | -0.111923568 | 0.82996137 | gamma-glutamyltransferase |
| CNG04410   | hypothetical protein                 | 0.110758118 | 0.893955723 | small subunit ribosomal protein S23 |
| CNG04420   | hypothetical protein                 | 0.193860297 | 0.695498721 | hypothetical protein |
| CNG04430   | hypothetical protein                 | -0.060944142 | 0.920669589 | hypothetical protein |
| CNG04440   | hypothetical protein                 | 0.3629572 | 0.396736518 | periodic tryptophan protein 2 |
| CNG04450   | hypothetical protein                 | 0.143267931 | 0.841202784 | hypothetical protein |
| CNG04460   | hypothetical protein                 | -0.148118266 | 0.838837582 | Unknown |
| CNG04470   | hypothetical protein                 | -0.375607696 | 0.313087846 | hypothetical protein |
| CNG04480   | hypothetical protein                 | 0.209555492 | 0.747332879 | alpha-1 |
| CNG04490   | hypothetical protein                 | -0.156897248 | 0.308440343 | hypothetical protein |
| CNG04500   | hypothetical protein                 | 0.106656971 | 0.85183218 | hypothetical protein |
| CNG04510   | hypothetical protein                 | 0.053896281 | 0.941919857 | hypothetical protein |
| CNG04520   | hypothetical protein                 | -0.331704412 | 0.540948602 | forkhead transcription factor |
| CNG04530   | hypothetical protein                 | 1.053305886 | 0.002453981 | hypothetical protein |
| CNG04540   | hypothetical protein                 | 0.864131817 | 0.024772018 | hypothetical protein |
| CNG04550   | hypothetical protein                 | 0.262589264 | 0.598241347 | trehalose synthase |
| CNG04560   | hypothetical protein                 | 0.78129629 | 0.519073971 | hypothetical protein |
| CNG04570   | hypothetical protein                 | 0.171746785 | 0.72702678 | Unknown |
| CNG04580   | hypothetical protein                 | 0.225172992 | 0.622163234 | hypothetical protein |
| CNG04590   | hypothetical protein                 | -0.108927933 | 0.871700589 | ubiquitin carboxyl-terminal hydrolase 14 |
| CNG04600   | hypothetical protein                 | 0.07550299 | 0.91130835 | hypothetical protein |
| CNG04610   | hypothetical protein                 | 0.089576845 | 0.919729811 | hypothetical protein |
| CNG04620   | hypothetical protein                 | 0.249583975 | 0.730212038 | hypothetical protein |
| CNG04630   | hypothetical protein                 | 0.190889684 | 0.814490545 | hypothetical protein |
| CNG04640   | hypothetical protein                 | 0.032032542 | 0.972638293 | hypothetical protein |
| Gene ID     | Log2 Ratio | P-value   | Description                          |
|------------|------------|-----------|--------------------------------------|
| CNXL_044650 | -0.235143301 | 0.671496054 | hypothetical protein                  |
| CNXL_044660 | -0.14165242 | 0.872824892 | hypothetical protein                  |
| CNXL_044670 | -0.836431773 | 0.010312142 | hypothetical protein                  |
| CNXL_044680 | 0.027533119 | 0.977881714 | efflux protein EnT                    |
| CNXL_044690 | -2.558141316 | 1.10398E-05 | Unknown                               |
| CNXL_044700 | -0.978885769 | 0.022368761 | Unknown                               |
| CNXL_044710 | 0.035941124 | 0.965101267 | Unknown                               |
| CNXL_044720 | -0.057289553 | 0.92897568  | Unknown                               |
| CNXL_044730 | -1.178621102 | 0.000122301 | cytoplasmic protein                   |
| CNXL_044740 | -0.016464019 | 0.985173026 | putative chitin synthase              |
| CNXL_044750 | 1.035775963 | 0.770559628 | hypothetical protein                  |
| CNXL_044760 | -0.29483872 | 0.667378962 | UDP-glucose 4-epimerase               |
| CNXL_044770 | 0.035941124 | 0.965101267 | Unknown                               |
| CNXL_044780 | -0.043287061 | 0.965966884 | Unknown                               |
| CNXL_044790 | 0.001187776 | 0.997627772 | Unknown                               |
| CNXL_044800 | 0.700478908 | 0.801947013 | Unknown                               |
| CNXL_044810 | 0.297387949 | 0.572926427 | fungal specific transcription factor   |
| CNXL_044820 | 0.375610423 | 0.61517823  | phytanoyl-CoA dioxygenase             |
| CNXL_044830 | -0.044964944 | 0.982102702 | hypothetical protein                  |
| CNXL_044840 | -0.146326717 | 0.868600207 | Unknown                               |
| CNXL_044850 | -0.397562132 | 0.256078221 | cytoplasmic protein                   |
| CNXL_044860 | -0.493206354 | 0.721488322 | hypothetical protein                  |
| CNXL_044870 | -0.216508182 | 0.746537956 | hypothetical protein                  |
| CNXL_044880 | 0.001187776 | 0.997627772 | hypothetical protein                  |
| CNXL_044890 | 0.000700624 | 0.99817997  | hypothetical protein                  |
| CNXL_044900 | -0.335121243 | 0.291884184 | geranylgeranyl diposphate synthase     |
| CNXL_044910 | 0.185971047 | 0.823319274 | multidrug transporter                 |
| CNXL_044920 | -0.008618659 | 0.994610173 | CTD kinase subunit gamma              |
| CNXL_044930 | -0.284076263 | 0.664771357 | hypothetical protein                  |
| CNXL_044940 | -0.150228364 | 0.792018301 | hypothetical protein                  |
| CNXL_044950 | -0.195862519 | 0.781894338 | hypothetical protein                  |
| CNXL_044960 | -0.364325837 | 0.391858761 | mitochondrial protein required for respiration |
| CNXL_044970 | -0.324988399 | 0.633023767 | ubiquitin-like modifier-activating enzyme ATG7 |
| CNXL_044980 | -0.309698972 | 0.522210515 | hypothetical protein                  |
| CNXL_044990 | -0.547866288 | 0.172797548 | ATP-dependent bile acid transporter   |
| CNXL_045000 | 0.202573777 | 0.733117842 | hypothetical protein                  |
| CNXL_045010 | 0.006073171 | 0.996158838 | hypothetical protein                  |
| CNXL_045020 | -0.310314551 | 0.430945378 | hypothetical protein                  |
| CNXL_045030 | -0.00700624 | 0.99817997  | hypothetical protein                  |
| CNXL_045040 | 0.155519639 | 0.77138893  | hypothetical protein                  |
| CNXL_045050 | -0.009678817 | 0.992176872 | hypothetical protein                  |
| CNXL_045060 | 0.021464093 | 0.888641003 | hypothetical protein                  |
| CNXL_045070 | 0.231195364 | 0.675638659 | hypothetical protein                  |
| CNXL_045080 | 0.020573777 | 0.733117842 | hypothetical protein                  |
| CNXL_045090 | 0.006073171 | 0.996158838 | hypothetical protein                  |
| CNXL_045100 | -0.309698972 | 0.522210515 | hypothetical protein                  |
| CNXL_045110 | -0.00700624 | 0.99817997  | hypothetical protein                  |
| CNXL_045120 | 0.155519639 | 0.77138893  | hypothetical protein                  |
| CNXL_045130 | -0.36581307 | 0.371037534 | hypothetical protein                  |
| CNXL_045140 | 0.823473299 | 0.048602556 | hypothetical protein                  |
| CNXL_045150 | -0.187810281 | 0.7369135   | hypothetical protein                  |
| CNXL_045160 | -0.321261109 | 0.734640979 | hypothetical protein                  |
| CNXL_045170 | -0.397984959 | 0.826575639 | hypothetical protein                  |
| CNXL_045180 | -0.324277835 | 0.782678074 | hypothetical protein                  |
| CNXL_045190 | -0.36581307 | 0.371037534 | hypothetical protein                  |
| CNXL_045200 | -0.007654111 | 0.992176872 | hypothetical protein                  |
| CNXL_045210 | -0.611855688 | 0.113349233 | hypothetical protein                  |
| CNXL_045220 | -0.150035267 | 0.845033033 | hypothetical protein                  |
| Accession | Gene      | Protein Description                          |
|-----------|-----------|---------------------------------------------|
| CNXL_045230 | 0.349663541 | hypothetic protein                         |
| CNXL_045240 | -0.006436627 | Unknown                                     |
| CNXL_045250 | 0.171775612 | 0.746347427 hypothetic protein             |
| CNXL_045260 | 0.911442202 | 0.443530973 AAA-ATPase                     |
| CNXL_045270 | 0.533862909 | 0.26013089 hypothetical protein            |
| CNXL_045280 | 0.343424962 | 0.497967352 hypothetical protein           |
| CNXL_045290 | -0.26694106 | 0.730212038 hypothetical protein           |
| CNXL_045300 | -0.188003528 | 0.695498721 hypothetical protein           |
| CNXL_045310 | -0.269634671 | 0.613272076 guanine nucleotide-binding protein subunit alpha |
| CNXL_045320 | 0.127495651 | 0.856186476 hypothetical protein           |
| CNXL_045330 | 0.119644555 | 0.828543224 hypothetical protein           |
| CNXL_045340 | -0.322483896 | 0.461869386 hypothetical protein           |
| CNXL_045350 | -0.070426208 | 0.959808031 phosphoribosylanthranilate isomerase |
| CNXL_045360 | -0.114028848 | 0.866730187 hypothetical protein           |
| CNXL_045370 | -0.38679229 | 0.383307552 clathrin light chain           |
| CNXL_045380 | 0.428329608 | 0.24509521 alpha-1                         |
| CNXL_045390 | -0.616181574 | 0.266724235 hypothetical protein           |
| CNXL_045400 | 0.740582489 | 0.305872929 rab GTPase activator           |
| CNXL_045410 | -0.217652156 | 0.742187954 hypothetical protein           |
| CNXL_045420 | 0.094136808 | U1 small nuclear ribonucleoprotein C       |
| CNXL_045430 | -0.203527589 | 0.782518595 ubiquitin carboxyl-terminal hydrolase 48 |
| CNXL_045440 | -0.471303743 | 0.311815352 hypothetical protein           |
| CNXL_045450 | 1.199591576 | 1.81051E-05 tRNA pseudouridine              |
| CNXL_045460 | -0.115713051 | 0.861693974 hypothetical protein           |
| CNXL_045470 | 0.218481213 | 0.696556358 3-ketoacyl-CoA reductase       |
| CNXL_045480 | -1.441239033 | 0.097342539 transcription regulator       |
| CNXL_045490 | 0.458434925 | 0.19911361 hypothetical protein            |
| CNXL_045500 | -0.584857708 | 0.085306326 long-chain acyl-CoA synthetase |
| CNXL_045510 | -1.923541243 | 1.88491E-09 hypothetical protein           |
| CNXL_045520 | -0.2008007136 | 0.79809976 hypothetical protein            |
| CNXL_045530 | -1.941858809 | 6.71573E-10 hypothetical protein           |
| CNXL_045540 | -1.536989236 | 0.428799713 hypothetical protein           |
| CNXL_045550 | 0.010389322 | 0.990777629 hypothetical protein           |
| CNXL_045560 | -0.237148515 | 0.645513161 hypothetical protein           |
| CNXL_045570 | -1.342598207 | 0.000247313 peptidase                      |
| CNXL_045580 | 0.668248606 | 0.116009032 hypothetical protein           |
| CNXL_045590 | -0.040653166 | 0.962926966 Phosphoglycerate mutase-like superfamily protein |
| CNXL_045600 | -0.47081077 | 0.271362906 monocarboxylic acid transporter |
| CNXL_045610 | 0.166505565 | 0.802877744 hypothetical protein           |
| CNXL_045620 | 0.0806771 | 0.946605516 membrane protein               |
| CNXL_045630 | -0.23195698 | 0.764121818 FAD dependent oxidoreductase    |
| CNXL_045640 | -0.182517479 | 0.80500309 halocid dehalogenase            |
| CNXL_045650 | 0.533157566 | 0.244819978 4-aminobutyrate transaminase   |
| CNXL_045660 | -0.593019049 | 0.095827354 tartrate dehydrogenase         |
| CNXL_045670 | -0.561670527 | 0.261738946 succininate-semialdehyde dehydrogenase |
| CNXL_045680 | -0.162202815 | 0.770342269 hypothetical protein           |
| CNXL_045690 | 0.371456639 | 0.771763303 small nuclear ribonucleoprotein |
| CNXL_045700 | -0.114909839 | 0.892423276 Unknown                        |
| CNXL_045710 | -0.263833307 | 0.702776984 Unknown                        |
| CNXL_045720 | 0.594152272 | 0.087776413 hypothetical protein           |
| CNXL_045730 | 0.386164682 | 0.281533526 F-box protein 9               |
| CNXL_045740 | 0.348957302 | 0.742187954 ATP-dependent DNA helicase     |
| CNXL_045750 | 0.125694329 | 0.816159728 Unknown                       |
| CNXL_045760 | 1.946782337 | 2.87722E-10 RNA polymerase II transcription factor |
| CNXL_045770 | 0.496575248 | 0.208746699 hypothetical protein           |
| CNXL_045780 | 0.698010821 | 0.068372808 DNA helicase                   |
| CNXL_045790 | 0.240924463 | 0.620718084 hypothetical protein           |
| CNXL_045800 | 0.330164844 | 0.461869386 hypothetical protein           |
| Gene ID   | Name Description                                      | Log2 Fold Change | p-value   |
|----------|-------------------------------------------------------|------------------|-----------|
| CNXL_045810 | pEROX 1A, peroxisomal membrane protein 4             | 0.322548491      | 0.475341202 |
| CNXL_045820 | hypothetical protein                                  | -0.456338337     | 0.425879761 |
| CNXL_045830 | inositol-phosphoryl ceramide synthase                 | 0.125321878      | 0.848267812 |
| CNXL_045840 | small subunit ribosomal protein S18                  | -0.118519063     | 0.819552767 |
| CNXL_045850 | chromodomain-helicase-DNA-binding protein 1          | -0.606444525      | 0.067063478 |
| CNXL_045860 | alpha-1                                               | 0.028931144      | 0.965101267 |
| CNXL_045870 | large subunit ribosomal protein L19e                 | 0.347126658      | 0.434588143 |
| CNXL_045880 | hypothetical protein                                  | -0.248839415      | 0.889757615 |
| CNXL_045890 | hypothetical protein                                  | 0.125321878      | 0.848267812 |
| CNXL_045900 | hypothetical protein                                  | -0.087008481      | 0.879688103 |
| CNXL_045910 | hypothetical protein                                  | 1.176953473      | 0.000367053 |
| CNXL_045920 | hypothetical protein                                  | -0.69179975      | 0.07248551 |
| CNXL_045930 | hypothetical protein                                  | 0.030826901      | 0.963190895 |
| CNXL_045940 | hypothetical protein                                  | -0.006874053      | 0.992176872 |
| CNXL_045950 | hypothetical protein                                  | 0.593734285      | 0.061142604 |
| CNXL_045960 | hypothetical protein                                  | 0.87406595       | 0.006301658 |
| CNXL_045970 | hypothetical protein                                  | -0.516185239      | 0.462811802 |
| CNXL_045980 | hypothetical protein                                  | 0.11084007       | 0.869733568 |
| CNXL_045990 | hypothetical protein                                  | -0.328272561      | 0.784651013 |
| CNXL_046000 | hypothetical protein                                  | -0.402357292      | 0.372044973 |
| CNXL_046010 | hypothetical protein                                  | 0.325964363      | 0.501729301 |
| CNXL_046020 | hypothetical protein                                  | 0.022217833      | 0.39931559 |
| CNXL_046030 | hypothetical protein                                  | 0.640337735      | 0.041796801 |
| CNXL_046040 | hypothetical protein                                  | 1.229114489      | 2.15584E-05 |
| CNXL_046050 | hypothetical protein                                  | NA               | Unknown   |
| CNXL_046060 | hypothetical protein                                  | -0.467299874      | 0.794943165 |
| CNXL_046070 | hypothetical protein                                  | NA               | Unknown   |
| CNXL_046080 | hypothetical protein                                  | NA               | Unknown   |
| CNXL_046090 | hypothetical protein                                  | NA               | Unknown   |
| CNXL_046100 | hypothetical protein                                  | 0.116185702      | 0.855058004 |
| CNXL_046110 | hypothetical protein                                  | 0.084310016      | 0.903957128 |
| CNXL_046120 | hypothetical protein                                  | -0.25688035      | 0.733041323 |
| CNXL_046130 | hypothetical protein                                  | 0.36238704       | 0.981240834 |
| CNXL_046140 | hypothetical protein                                  | 0.26342154       | 0.538584216 |
| CNXL_046150 | hypothetical protein                                  | -0.990705395      | 0.000737566 |
| CNXL_046160 | hypothetical protein                                  | -2.821110832      | 4.01887E-32 |
| CNXL_046170 | hypothetical protein                                  | 0.316622912      | 0.396035434 |
| CNXL_046180 | hypothetical protein                                  | -0.011878744      | 0.988364793 |
| CNXL_046190 | hypothetical protein                                  | 0.258436371      | 0.55837865 |
| CNXL_046200 | hypothetical protein                                  | 0.025662476      | 0.987759522 |
| CNXL_046210 | hypothetical protein                                  | 1.30755867       | 0.00111032 |
| CNXL_046220 | hypothetical protein                                  | 0.196915193      | 0.824878804 |
| CNXL_046230 | hypothetical protein                                  | 0.53045255       | 0.38062134 |
| CNXL_046240 | hypothetical protein                                  | 0.364171757      | 0.411893985 |
| CNXL_046250 | hypothetical protein                                  | -0.008425563      | 0.992370477 |
| CNXL_046260 | hypothetical protein                                  | -0.44068403      | 0.411990901 |
| CNXL_046270 | hypothetical protein                                  | -0.061378593      | 0.934642219 |
| CNXL_046280 | hypothetical protein                                  | 0.505978747      | 1.77974568 |
| CNXL_046290 | hypothetical protein                                  | 0.613908083      | 0.063681258 |
| CNXL_046300 | hypothetical protein                                  | -0.094733905      | 0.899749891 |
| CNXL_046310 | hypothetical protein                                  | 0.349889931      | 0.420406127 |
| CNXL_046320 | hypothetical protein                                  | 0.303438695      | 0.519073971 |
| CNXL_046330 | hypothetical protein                                  | 0.612276376      | 0.071408618 |
| CNXL_046340 | hypothetical protein                                  | -0.370820872      | 0.543720776 |
| CNXL_046350 | hypothetical protein                                  | 0.063110018      | 0.936086163 |
| CNXL_046360 | hypothetical protein                                  | 0.750813067      | 0.01116904 |
| CNXL_046370 | hypothetical protein                                  | 0.10662892       | 0.894815557 |
| CNXL_046380 | hypothetical protein                                  | -0.325104113      | 0.455991866 |
| Gene Name       | Description                                                                 | Log2 Ratio | P Value | Annotation                                |
|-----------------|-------------------------------------------------------------------------------|------------|---------|-------------------------------------------|
| CNI01530        | hypothetical protein                                                         | -0.196582799 | 0.757764875 | hypothetical protein                      |
| CNI014600       | protein BFR2                                                                 | -0.34601413 | 0.508990542 | protein BFR2                              |
| CNI014640       | Unknown                                                                       | -0.032441778 | 0.963266917 | Unknown                                    |
| CNI014641       | Unknown                                                                       | 0.231939058 | 0.558192148 | RNA helicase                               |
| CNI014643       | hypothetical protein                                                         | -0.193030982 | 0.724615229 | sterol-binding protein                    |
| CNI014644       | DNA polymerase lambda subunit                                                 | 0.17131922 | 0.814220979 | DNA polymerase lambda subunit             |
| CNI014645       | Unknown                                                                       | 1.575310029 | 0.120404853 | Unknown                                    |
| CNI014646       | hypothetical protein                                                         | -0.279762347 | 0.717991689 | hypothetical protein                      |
| CNI014647       | hypothetical protein                                                         | 0.728120219 | 0.019525849 | hypothetical protein                      |
| CNI014648       | hypothetical protein                                                         | 0.454902735 | 0.24966051 | mitochondrial manganese superoxide dismutase |
| CNI014649       | hypothetical protein                                                         | 0.962760839 | 0.019566102 | thioredoxin-like protein 4A                |
| CNI014650       | hypothetical protein                                                         | -0.035421019 | 0.990777629 | hypothetical protein                      |
| CNI014651       | hypothetical protein                                                         | 0.189577321 | 0.764121818 | hypothetical protein                      |
| CNI014652       | hypothetical protein                                                         | 0.177341374 | 0.810102246 | peptidyl-tRNA hydrolase                   |
| CNI014653       | hypothetical protein                                                         | 0.195818933 | 0.702447191 | acetyltransferase                         |
| CNI014654       | hypothetical protein                                                         | -0.009699449 | 0.991508881 | hypothetical protein                      |
| CNI014655       | hypothetical protein                                                         | -0.360321316 | 0.496021199 | transcription initiation factor TFIIH subunit 2 |
| CNI014656       | hypothetical protein                                                         | -0.162024358 | 0.764330585 | peptidase                                 |
| CNI014657       | hypothetical protein                                                         | -0.066064506 | 0.908809603 | hypothetical protein                      |
| CNI014658       | hypothetical protein                                                         | -0.118025661 | 0.865068963 | NADH dehydrogenase                        |
| CNI014659       | hypothetical protein                                                         | -0.638298165 | 0.092595672 | vacuolar protein                          |
| CNI014660       | hypothetical protein                                                         | 0.365124111 | 0.351942351 | protein KRII                               |
| CNI014661       | hypothetical protein                                                         | -0.646274883 | 0.988262608 | hexaprenyl-diphosphate synthase           |
| CNI014662       | hypothetical protein                                                         | -1.953059384 | 1.609911E-11 | hypothetical protein                      |
| CNI014663       | hypothetical protein                                                         | 0.008213269 | 0.992176872 | alginase lyase                            |
| CNI014664       | hypothetical protein                                                         | 0.167215807 | 0.779355929 | DNA-directed RNA polymerase I             |
| CNI014665       | hypothetical protein                                                         | -0.571030957 | 0.148412605 | hypothetical protein                      |
| CNI014666       | hypothetical protein                                                         | 0.573533504 | 0.191477648 | U3 small nuclear RNA-associated protein    |
| CNI014667       | hypothetical protein                                                         | 0.337702287 | 0.435206757 | hypothetical protein                      |
| CNI014668       | hypothetical protein                                                         | 0.168348394 | 0.747655994 | CD2 antigen cytoplasmic tail-binding protein 2 |
| CNI014669       | hypothetical protein                                                         | -0.106616235 | 0.862655799 | hypothetical protein                      |
| CNI014670       | hypothetical protein                                                         | -0.540602307 | 1.06838284 | hypothetical protein                      |
| CNI014671       | hypothetical protein                                                         | -0.194599146 | 0.749039348 | ribosome biogenesis protein MAK21         |
| CNI014672       | hypothetical protein                                                         | -1.278401112 | 0.930627E-05 | hypothetical protein                      |
| CNI014673       | hypothetical protein                                                         | -0.319681483 | 0.39417374 | hypothetical protein                      |
| CNI014674       | hypothetical protein                                                         | 0.455609039 | 0.236684578 | ATP-dependent RNA helicase DBP5           |
| CNI014675       | hypothetical protein                                                         | -0.358101665 | 0.63756045 | hypothetical protein                      |
| CNI014676       | hypothetical protein                                                         | -0.407670613 | 0.370509305 | tRNA                                          |
| CNI014677       | hypothetical protein                                                         | -0.098428583 | 0.879688103 | hypothetical protein                      |
| CNI014678       | hypothetical protein                                                         | -0.899864342 | 0.003415749 | mitochondrial inner membrane ABC transporter |
| CNI014679       | hypothetical protein                                                         | -0.325329618 | 0.51006134 | hypothetical protein                      |
| CNI014680       | hypothetical protein                                                         | -0.153843198 | 0.847311574 | TPR repeat-containing protein             |
| CNI014681       | hypothetical protein                                                         | 0.225854658 | 0.6500583 | hypothetical protein                      |
| CNI014682       | hypothetical protein                                                         | 0.043035967 | 0.962194201 | exopolyphosphatase                        |
| CNI014683       | hypothetical protein                                                         | 0.468743446 | 0.304899442 | hypothetical protein                      |
| CNI014684       | hypothetical protein                                                         | 2.20624457 | 3.14781E-12 | putative zinc finger transcription factor |
| CNI014685       | hypothetical protein                                                         | 0.055402107 | 0.927929791 | methylmalonate-semialdehyde dehydrogenase |
| CNI014686       | hypothetical protein                                                         | -0.367658783 | 0.460815133 | hypothetical protein                      |
| CNI014687       | hypothetical protein                                                         | -0.217557788 | 0.746537956 | chaperone                                |
| CNI014688       | hypothetical protein                                                         | -0.522003366 | 0.089107701 | aspartate kinase                          |
| CNI014689       | hypothetical protein                                                         | 0.320113821 | 0.339545068 | dihydrodipicolinate synthase              |
| CNI014690       | hypothetical protein                                                         | -0.661620847 | 0.027582937 | specific RNA polymerase II transcription factor |
| CNI014691       | hypothetical protein                                                         | -0.425631589 | 0.26285894 | galactonate dehydratase                    |
| CNI014692       | hypothetical protein                                                         | -0.268124992 | 0.554054079 | nicotinamide mononucleotide permease      |
| CNI014693       | hypothetical protein                                                         | 0.205064618 | 0.68904326 | hypothetical protein                      |
| CNI014694       | hypothetical protein                                                         | -0.112013554 | 0.905943402 | recyclin-1                                |
| CNI014695       | hypothetical protein                                                         | 0.524165833 | 0.12340524 | hypothetical protein                      |
| CNI014696       | hypothetical protein                                                         | 0.145821193 | 0.787846251 | exocyst complex component EXO84           |
| Gene ID       | Log2 Fold Change | p-value         | Expression            |
|--------------|-----------------|-----------------|-----------------------|
| CNI02130     | 0.442248832     | 0.302177561     | cation diffusion facilitator 1 |
| CNI024980    | 0.419910663     | 0.262705869     | single-stranded nucleic acid binding protein |
| CNI024990    | -0.075693585    | 0.91647607      | phosphatidylinositol 4-kinase |
| CNI02500     | -0.569096417    | 0.123440865     | hypothetical protein   |
| CNI024010    | 0.075248983     | 0.910379167     | hypothetical protein   |
| CNI024020    | -0.426898201    | 0.295911559     | large subunit ribosomal protein L31 |
| CNI024030    | -0.881159137    | 0.154900292     | hypothetical protein   |
| CNI024040    | 0.019205512     | 0.984201326     | hypothetical protein   |
| CNI024050    | -0.129790657    | 0.824564918     | hypothetical protein   |
| CNI024060    | -0.248464591    | 0.61372863      | ubiquitin-conjugating enzyme E2 I |
| CNI024070    | 0.702554225     | 0.003033726     | hypothetical protein   |
| CNI024080    | -0.308436616    | 0.595655121     | malate dehydrogenase   |
| CNI024090    | -0.15785116     | 0.769868694     | extradiol ring-cleavage dioxygenase |
| CNI024100    | 0.164954657     | 0.806051382     | hypothetical protein   |
| CNI024110    | 1.667039581     | 1.87267E-06     | hypothetical protein   |
| CNI024120    | -0.42705305     | 0.331034626     | hypothetical protein   |
| CNI024130    | -0.344409128    | 0.375237211     | hypothetical protein   |
| CNI024140    | 0.08399484      | 0.932840267     | polysaccharide synthase |
| CNI024150    | 0.217574888     | 0.703825663     | hypothetical protein   |
| CNI024160    | -0.049098177    | 0.963420993     | telomere length regulation protein |
| CNI024170    | 0.367854178     | 0.331342508     | hypothetical protein   |
| CNI024180    | 0.544990171     | 0.140113104     | NAD+ kinase            |
| CNI024190    | 1.187593517     | 0.000890723     | hypothetical protein   |
| CNI024200    | 0.36088494      | 0.409160283     | NAD+ kinase            |
| CNI024210    | 0.393761739     | 0.393349378     | NAPDH2 dehydrogenase   |
| CNI024220    | 0.116735381     | 0.853800228     | mannos-6-phosphate isomerase |
| CNI024230    | 0.090551041     | 0.914338536     | charged multisvesicular body protein 7 |
| CNI024240    | 0.366945013     | 0.550285326     | hypothetical protein   |
| CNI024250    | 0.101701696     | 0.881811619     | hypothetical protein   |
| CNI024260    | -0.102345553    | 0.001382528     | 3-hydroxyacyl-CoA dehydrogenase |
| CNI024270    | -0.212868588    | 0.655821512     | urate oxidase           |
| CNI024280    | -0.053961577    | 0.950999357     | vesicle transporter SFT2B |
| CNI024290    | -0.168914815    | 0.74860963      | hypothetical protein   |
| CNI024300    | 0.3259651      | 0.39417374     | T-complex protein 1 subunit zeta |
| CNI024310    | 0.428852581    | 0.457691748     | E3 ubiquitin-protein ligase BRE1 |
| CNI024320    | 0.194589302    | 0.766858347     | hypothetical protein   |
| CNI024330    | -0.09769898    | 0.889001755     | hypothetical protein   |
| CNI024340    | 0.564964976     | 0.120932459     | hypothetical protein   |
| CNI024350    | -0.168064766    | 0.772848862     | hypothetical protein   |
| CNI024360    | -1.378969756    | 0.010808558     | nuclear complex protein 3 |
| CNI024370    | -1.001900283    | 0.503000429     | ribonuclease HII        |
| CNI024380    | 0.273018876    | 0.544657787     | Unknown                |
| CNI024390    | 0.2646993     | 0.39585872     | hypothetical protein   |
| CNI024400    | 0.4606724     | 0.170296094     | hypothetical protein   |
| CNI024410    | -0.011990614    | 0.990777629     | vacuolar protein sorting-associated protein |
| CNI024420    | 0.87565098     | 0.003012304     | hypothetical protein   |
| CNI024430    | 0.55813999     | 0.208143452     | glycosyl-hydrolase     |
| CNI024440    | -0.080300049    | 0.889158863     | Unknown                |
| CNI024450    | -0.323792061    | 0.453096162     | hypothetical protein   |
| CNI024460    | 0.971084338    | 0.002754456     | hypothetical protein   |
| CNI024470    | -0.437438538    | 0.312160498     | Fe-S protein assembly co-chaperone HscB |
| CNI024480    | -0.048388785    | 0.939255348     | hypothetical protein   |
| CNI024490    | -0.707985648    | 0.070095437     | DNA-directed RNA polymerase I |
| CNI024500    | -0.493676202    | 0.213413887     | hypothetical protein   |
| CNI024510    | -0.002410291    | 0.996472611     | hypothetical protein   |
| CNI024520    | -0.112689456    | 0.885370637     | integral membrane protein |
| CNI024530    | -0.107231033    | 0.842339591     | mitogen-activated protein |
| CNI024540    | -0.178262015    | 0.789423788     | hypothetical protein   |
| Gene Name   | Type                     | Description                                                                 |
|-------------|--------------------------|-----------------------------------------------------------------------------|
| CNXL_047550 | CNI02700                 | hypothetical protein                                                         |
| CNXL_047560 | CNI02710                 | hypothetical protein                                                         |
| CNXL_047570 | CNI02720                 | hypothetical protein                                                         |
| CNXL_047580 | CNI02730                 | hypothetical protein                                                         |
| CNXL_047590 | CNI02740                 | hypothetical protein                                                         |
| CNXL_047600 | CNI02750                 | hypothetical protein                                                         |
| CNXL_047610 | CNI02760                 | hypothetical protein                                                         |
| CNXL_047620 | CNI02770                 | hypothetical protein                                                         |
| CNXL_047630 | CNI02780                 | hypothetical protein                                                         |
| CNXL_047640 | CNI02790                 | hypothetical protein                                                         |
| CNXL_047650 | CNI02800                 | hypothetical protein                                                         |
| CNXL_047660 | CNI02810                 | hypothetical protein                                                         |
| CNXL_047670 | CNI02820                 | hypothetical protein                                                         |
| CNXL_047680 | CNI02830                 | hypothetical protein                                                         |
| CNXL_047690 | CNI02840                 | hypothetical protein                                                         |
| CNXL_047700 | CNI02850                 | hypothetical protein                                                         |
| CNXL_047710 | CNI02860                 | hypothetical protein                                                         |
| CNXL_047720 | CNI02870                 | hypothetical protein                                                         |
| CNXL_047730 | CNI02880                 | hypothetical protein                                                         |
| CNXL_047740 | CNI02890                 | hypothetical protein                                                         |
| CNXL_047750 | CNI02900                 | hypothetical protein                                                         |
| CNXL_047760 | CNI02910                 | hypothetical protein                                                         |
| CNXL_047770 | CNI02920                 | hypothetical protein                                                         |
| CNXL_047780 | CNI02930                 | hypothetical protein                                                         |
| CNXL_047790 | CNI02940                 | hypothetical protein                                                         |
| CNXL_047800 | CNI02950                 | hypothetical protein                                                         |
| CNXL_047810 | CNI02960                 | hypothetical protein                                                         |
| CNXL_047820 | CNI02970                 | hypothetical protein                                                         |
| CNXL_047830 | CNI02980                 | hypothetical protein                                                         |
| CNXL_047840 | CNI02990                 | hypothetical protein                                                         |
| CNXL_047850 | CNI03000                 | hypothetical protein                                                         |
| CNXL_047860 | CNI03010                 | hypothetical protein                                                         |
| CNXL_047870 | CNI03020                 | hypothetical protein                                                         |
| CNXL_047880 | CNI03030                 | hypothetical protein                                                         |
| CNXL_047890 | CNI03040                 | hypothetical protein                                                         |
| CNXL_047900 | CNI03050                 | hypothetical protein                                                         |
| CNXL_047910 | CNI03060                 | hypothetical protein                                                         |
| CNXL_047920 | CNI03070                 | hypothetical protein                                                         |
| CNXL_047930 | CNI03080                 | hypothetical protein                                                         |
| CNXL_047940 | CNI03090                 | hypothetical protein                                                         |
| CNXL_047950 | CNI03100                 | hypothetical protein                                                         |
| CNXL_047960 | CNI03110                 | hypothetical protein                                                         |
| CNXL_047970 | CNI03120                 | hypothetical protein                                                         |
| CNXL_047980 | CNI03130                 | hypothetical protein                                                         |
| CNXL_047990 | CNI03140                 | hypothetical protein                                                         |
| CNXL_048000 | CNI03150                 | hypothetical protein                                                         |
| CNXL_048010 | CNI03160                 | hypothetical protein                                                         |
| CNXL_048020 | CNI03170                 | hypothetical protein                                                         |
| CNXL_048030 | CNI03180                 | hypothetical protein                                                         |
| CNXL_048040 | CNI03190                 | hypothetical protein                                                         |
| CNXL_048050 | CNI03200                 | hypothetical protein                                                         |
| CNXL_048060 | CNI03210                 | hypothetical protein                                                         |
| Gene Symbol     | Description                                      | Expression Value |
|-----------------|--------------------------------------------------|------------------|
| CNI03220        | Lactoylglutathione lyase                         | 0.085306326      |
| CNI03230        | Actin binding protein                            | 0.972185687      |
| CNI03240        | GPI-anchored wall transfer protein 1             | 0.756597645      |
| CNI03250        | O-methyltransferase                              | 0.408746917      |
| CNI03260        | Hypothetical protein                             | 0.683642142      |
| CNI03270        | DNA topoisomerase 1                              | 0.960169622      |
| CNI03280        | SCYL protein kinase                              | 0.568146069      |
| CNI03290        | Phosphorylformylglycinamidase                    | 0.023352546      |
| CNI03300        | SCYL protein kinase                              | 0.996833113      |
| CNI03310        | Protein transporter SEC13                        | 0.004051186      |
| CNI03320        | O-methyltransferase                              | 0.890150525      |
| CNI03330        | Actin binding protein                            | 0.602461418      |
| CNI03340        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03350        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03360        | U4/U6.U5 tri-snRNP-associated protein 1          | 0.998287442      |
| CNI03370        | Protein SDA1                                     | 0.863925435      |
| CNI03380        | C2 domain-containing protein                     | 0.57855354       |
| CNI03390        | SCYL protein kinase                              | 0.764121818      |
| CNI03400        | Cytosolic Fe-S cluster assembly factor NAR1      | 0.977163303      |
| CNI03410        | Bromodomain-containing protein 8                 | 0.900307257      |
| CNI03420        | SPT4 transcription elongation factor             | 0.434283583      |
| CNI03430        | Bromodomain-containing protein 8                 | 0.959619907      |
| CNI03440        | Nuclear RNA export factor 1/2                    | 0.50006134       |
| CNI03450        | Homeobox protein cut-like                        | 0.115833705      |
| CNI03460        | Actin binding protein                            | 0.408746917      |
| CNI03470        | O-methyltransferase                              | 0.510006134      |
| CNI03480        | Ataxin-3                                         | 0.510006134      |
| CNI03490        | ATP-dependent DNA helicase II subunit 1          | 0.547704491      |
| CNI03500        | 6-phosphofructo-2-kinase/fructose-2              | 0.419557544      |
| CNI03510        | Protein SDA1                                     | 0.998287442      |
| CNI03520        | Sodium-dependent glucose transporter SEC13       | 0.50006134       |
| CNI03530        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03540        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03550        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03560        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03570        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03580        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03590        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03600        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03610        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03620        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03630        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03640        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03650        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03660        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03670        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03680        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03690        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03700        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03710        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03720        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03730        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03740        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03750        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03760        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03770        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03780        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03790        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03800        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03810        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03820        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03830        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03840        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03850        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03860        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03870        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03880        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03890        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03900        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03910        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| CNI03920        | Phosphoribosylformylglycinamidase                | 0.510006134      |
| Gene ID   | Log2 Fold Change | Fold Change | Protein Name                                  |
|----------|------------------|-------------|-----------------------------------------------|
| CNXL_048710 | 0.77650389      | 0.91248949  | guanine nucleotide exchange factor            |
| CNXL_048720 | -0.45724057     | 0.433846913 | hypothetical protein                          |
| CNXL_048730 | 0.193585324     | 0.747569937 | endochitinase                                 |
| CNXL_048740 | 0.951208772     | 0.050720333 | hypothetical protein                          |
| CNXL_048750 | 0.7346108       | 0.134439284 | ubiquitin thioesterase OTUB1                  |
| CNXL_048760 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_048770 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_048780 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_048790 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_048800 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_048810 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_048820 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_048830 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_048840 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_048850 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_048860 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_048870 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_048880 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_048890 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_048900 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_048910 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_048920 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_048930 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_048940 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_048950 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_048960 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_048970 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_048980 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_048990 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_049000 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_049010 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_049020 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_049030 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_049040 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_049050 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_049060 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_049070 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_049080 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_049090 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_049100 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_049110 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_049120 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_049130 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_049140 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_049150 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_049160 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_049170 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_049180 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_049190 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_049200 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_049210 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| CNXL_049220 | -0.394734891    | 0.35648622  | hypothetical protein                          |
| CNXL_049230 | 0.142532497     | 0.801947013 | hypothetical protein                          |
| CNXL_049240 | -0.034983844    | 0.965968884 | hypothetical protein                          |
| CNXL_049250 | 0.773043219     | 0.031679745 | hypothetical protein                          |
| CNXL_049260 | 0.06711874      | 0.946116137 | hypothetical protein                          |
| CNXL_049270 | 0.17603613      | 0.802313068 | hypothetical protein                          |
| CNXL_049280 | 0.284877808     | 0.680746566 | hypothetical protein                          |
| Gene ID   | Expression 1 | Description                                      |
|----------|--------------|---------------------------------------------------|
| CNXL_049290 | 0.464601429  | pyruvate dehydrogenase kinase                    |
| CNXL_049300 | 0.975349652  | hypothetical protein                              |
| CNXL_049310 | 0.013020189  | hypothetical protein                              |
| CNXL_049320 | 2.487613021  | hypothetical protein                              |
| CNXL_049330 | -1.440226686 | hypothetical protein                              |
| CNXL_049340 | 1.484927388  | hypothetical protein                              |
| CNXL_049350 | 0.021128     | hypothetical protein                              |
| CNXL_049360 | -0.0850244   | hypothetical protein                              |
| CNXL_049370 | -0.059819111 | hypothetical protein                              |
| CNXL_049380 | 0.011833332  | hypothetical protein                              |
| CNXL_049390 | -0.060336296 | hypothetical protein                              |
| CNXL_049400 | 0.135658625  | hypothetical protein                              |
| CNXL_049410 | 1.292506971  | hypothetical protein                              |
| CNXL_049420 | -0.328870187 | hypothetical protein                              |
| CNXL_049430 | 0.256275248  | hypothetical protein                              |
| CNXL_049440 | -1.025169906 | hypothetical protein                              |
| CNXL_049450 | 0.054918665  | hypothetical protein                              |
| CNXL_049460 | -0.068449625 | hypothetical protein                              |
| CNXL_049470 | -0.377941609 | hypothetical protein                              |
| CNXL_049480 | 1.13555725   | hypothetical protein                              |
| CNXL_049490 | 0.39787116   | hypothetical protein                              |
| CNXL_049500 | 0.112516499  | hypothetical protein                              |
| CNXL_049510 | 0.21903331   | hypothetical protein                              |
| CNXL_049520 | 0.332126403  | hypothetical protein                              |
| CNXL_049530 | -0.275298087 | hypothetical protein                              |
| CNXL_049540 | -0.245638453 | hypothetical protein                              |
| CNXL_049550 | 0.098037562  | hypothetical protein                              |
| CNXL_049560 | -0.289188397 | hypothetical protein                              |
| CNXL_049570 | 1.009275955  | hypothetical protein                              |
| CNXL_049580 | -0.473922373 | hypothetical protein                              |
| CNXL_049590 | 0.382978912  | hypothetical protein                              |
| CNXL_049600 | 1.050092397  | hypothetical protein                              |
| CNXL_049610 | -0.409718859 | hypothetical protein                              |
| CNXL_049620 | 0.594877467  | hypothetical protein                              |
| CNXL_049630 | 0.116377618  | hypothetical protein                              |
| CNXL_049640 | 0.065888281  | hypothetical protein                              |
| CNXL_049650 | -0.106074704 | hypothetical protein                              |
| CNXL_049660 | -0.885533816 | hypothetical protein                              |
| CNXL_049670 | -3.848689779 | hypothetical protein                              |
| CNXL_049680 | 0.180949224  | hypothetical protein                              |
| CNXL_049690 | 0.26317407   | hypothetical protein                              |
| CNXL_049700 | -0.321944055 | hypothetical protein                              |
| CNXL_049710 | 0.170460383  | hypothetical protein                              |
| CNXL_049720 | -0.030319756 | hypothetical protein                              |
| CNXL_049730 | -0.511463523 | hypothetical protein                              |
| CNXL_049740 | -1.595370973 | hypothetical protein                              |
| CNXL_049750 | -2.617058307 | hypothetical protein                              |
| CNXL_049760 | 0.229387472  | hypothetical protein                              |
| CNXL_049770 | 0.015133815  | hypothetical protein                              |
| CNXL_049780 | 0.01693701   | hypothetical protein                              |
| CNXL_049790 | -1.084421025 | hypothetical protein                              |
| CNXL_049800 | -0.241268062 | hypothetical protein                              |
| CNXL_049810 | 0.048089185  | hypothetical protein                              |
| CNXL_049820 | -0.052559085 | hypothetical protein                              |
| CNXL_049830 | -0.591229095 | hypothetical protein                              |
| CNXL_049840 | -0.043664632 | hypothetical protein                              |
| CNXL_049850 | 0.876708066  | hypothetical protein                              |
| CNXL_049860 | -0.464932046 | hypothetical protein                              |
| Gene Accession | Description                                                                 |
|---------------|------------------------------------------------------------------------------|
| CNXL_049870   | 0.17149659 zuotin                                                            |
| CNXL_049880   | 0.588402875 pre-mRNA branch site protein p14                                 |
| CNXL_049890   | -0.223859453 phytanoyl-CoA dioxygenase                                        |
| CNXL_049900   | 0.338713007 hypothetical protein                                               |
| CNXL_049910   | 1.345454392 U6 snRNA-associated Sm-like protein LSm1                           |
| CNXL_049920   | -0.22234412 catalase 1 similar to spore-specific catalases                    |
| CNXL_049930   | -0.713243978 putative cytosine-purine permease                               |
| CNXL_049940   | -0.366818172 hypothetical protein                                             |
| CNXL_049950   | 0.186470668 pre-foldin subunit 1                                             |
| CNXL_049960   | -0.463572355 hypothetical protein                                             |
| CNXL_049970   | 0.232423069 hypothetical protein                                             |
| CNXL_049980   | 0.502306898 U6 snRNA-associated Sm-like protein LSm1                           |
| CNXL_050000   | -0.136158543 cytoplasmic protein                                              |
| CNXL_050010   | 0.232227084 hypothetical protein                                             |
| CNXL_050020   | 0.919599634 gamma-glutamyl phosphate reductase                                |
| CNXL_050030   | -0.268625331 putative cytosine-purine permease                               |
| CNXL_050040   | 0.144757201 hypothetical protein                                             |
| CNXL_050050   | 0.255174378 hypothetical protein                                             |
| CNXL_050060   | -0.39359052 hypothetical protein                                             |
| CNXL_050070   | -1.028122739 hypothetical protein                                             |
| CNXL_050080   | -0.310872333 hypothetical protein                                             |
| CNXL_050090   | -0.032303555 hypothetical protein                                             |
| CNXL_050100   | 0.232227084 hypothetical protein                                             |
| CNXL_050110   | -0.092106350 hypothetical protein                                             |
| CNXL_050120   | 0.066021421 hypothetical protein                                             |
| CNXL_050130   | 0.155248133 hypothetical protein                                             |
| CNXL_050140   | 0.16075503 hypothetical protein                                              |
| CNXL_050150   | 0.255174378 hypothetical protein                                             |
| CNXL_050160   | 0.379359052 signal recognition particle subunit SRP14                         |
| CNXL_050170   | -1.028122739 hypothetical protein                                             |
| CNXL_050180   | -0.310872333 hypothetical protein                                             |
| CNXL_050190   | -0.536312198 hypothetical protein                                             |
| CNXL_050200   | -0.008252886 hypothetical protein                                             |
| CNXL_050210   | 0.24152184 hypothetical protein                                              |
| CNXL_050220   | -2.252521226 hypothetical protein                                             |
| CNXL_050230   | -0.210609791 integral membrane protein                                       |
| CNXL_050240   | 0.102235455 hypothetical protein                                             |
| CNXL_050250   | -0.321034497 hypothetical protein                                             |
| CNXL_050260   | 0.016889294 hypothetical protein                                             |
| CNXL_050270   | -0.011771947 hypothetical protein                                             |
| CNXL_050280   | -0.655891043 hypothetical protein                                             |
| CNXL_050290   | 0.251861342 hypothetical protein                                             |
| CNXL_050300   | 0.073523576 hypothetical protein                                             |
| CNXL_050310   | 0.425229138 hypothetical protein                                             |
| CNXL_050320   | 1.532925225 hypothetical protein                                             |
| CNXL_050330   | 0.486874049 hypothetical protein                                             |
| CNXL_050340   | -0.035521605 hypothetical protein                                             |
| CNXL_050350   | 0.173986336 hypothetical protein                                             |
| CNXL_050360   | -0.003161578 hypothetical protein                                             |
| CNXL_050370   | -0.253799087 hypothetical protein                                             |
| CNXL_050380   | 0.14178225 hypothetical protein                                              |
| CNXL_050390   | 0.140037911 hypothetical protein                                             |
| CNXL_050400   | 0.063130355 hypothetical protein                                             |
| CNXL_050410   | 0.140037911 hypothetical protein                                             |
| CNXL_050420   | 0.140037911 hypothetical protein                                             |
| CNXL_050430   | 0.140037911 hypothetical protein                                             |
| CNXL_050440   | 0.140037911 hypothetical protein                                             |
| Accession | Log2 fold change | p-value | Description |
|-----------|-----------------|---------|-------------|
| CNXL_050450 | 0.44639133 | 0.382775862 | hypothetical protein |
| CNXL_050460 | 0.478499576 | 0.125443586 | Unknown |
| CNXL_050470 | 0.074036745 | 0.914335636 | hypothetical protein |
| CNXL_050480 | 0.197889912 | 0.819837548 | ubiquitin-conjugating enzyme family protein |
| CNXL_050490 | -0.247952524 | 0.671905355 | ferredoxin-NADP+ reductase |
| CNXL_050500 | -0.77672903 | NA | hypothetical protein |
| CNXL_050510 | -0.582034996 | 0.331383636 | hypothetical protein |
| CNXL_050520 | -0.402616893 | 0.678724355 | hypothetical protein |
| CNXL_050530 | 1.709963089 | 0.51244137 | hypothetical protein |
| CNXL_050540 | -0.450808559 | 0.193854728 | hypothetical protein |
| CNXL_050550 | -0.497617484 | 0.271524617 | NADH-ubiquinone oxidoreductase subunit 8 |
| CNXL_050560 | -0.069863634 | 0.920674786 | carnitine acetyltransferase |
| CNXL_050570 | 0.041384204 | 0.962706186 | hypothetical protein |
| CNXL_050580 | 0.133705235 | 0.859248574 | hypothetical protein |
| CNXL_050590 | -1.359547313 | 0.697146261 | hypothetical protein |
| CNXL_050600 | 0.23749003 | 0.594383119 | hypothetical protein |
| CNXL_050610 | -0.460943499 | 0.166033664 | protein mgr2 |
| CNXL_050620 | -0.102609517 | 0.879531297 | insulysin |
| CNXL_050630 | 0.062786586 | 0.935785373 | hypothetical protein |
| CNXL_050640 | -0.532145734 | 0.314745548 | ADP-ribosylation factor GTPase-activating protein |
| CNXL_050650 | 0.478111342 | 0.099275787 | hypothetical protein |
| CNXL_050660 | -0.449605636 | 0.428799713 | Unknown |
| CNXL_050670 | 0.417473661 | 0.287017678 | hypothetical protein |
| CNXL_050680 | 0.079833709 | 0.915837202 | hypothetical protein |
| CNXL_050690 | 0.283643061 | 0.576230883 | hypothetical protein |
| CNXL_050700 | -0.673675705 | 0.054894119 | GTPase |
| CNXL_050710 | 0.980356338 | 0.002260756 | pyruvate dehydrogenase E1 component subunit beta |
| CNXL_050720 | 0.31860863 | 0.75634942 | hypothetical protein |
| CNXL_050730 | 0.293907327 | 0.519431801 | hypothetical protein |
| CNXL_050740 | -0.651030517 | 0.103122512 | delta-pyrroline-5-carboxylate |
| CNXL_050750 | -0.897876418 | 0.290745908 | ste/ste11/ssk protein kinase |
| CNXL_050760 | 0.3624688 | 0.802313068 | hypothetical protein |
| CNXL_050770 | 0.146475037 | 0.82996137 | hypothetical protein |
| CNXL_050780 | -1.183123138 | 0.001547769 | hypothetical protein |
| CNXL_050790 | 0.221425124 | 0.595655121 | hypothetical protein |
| CNXL_050800 | -0.542172672 | 0.169598851 | GTP-binding protein ypt1 |
| CNXL_050810 | -0.112105344 | 0.847718093 | ubiquinol-cytochrome c reductase subunit 10 |
| CNXL_050820 | -0.272707406 | 0.844850118 | sulfite reductase |
| CNXL_050830 | 0.379880385 | 0.41607574 | sulfite reductase |
| CNXL_050840 | 0.200567876 | 0.656993267 | endopeptidase |
| CNXL_050850 | 0.015899051 | 0.985595171 | alanine-glyoxylate transaminase |
| CNXL_050860 | -0.30427859 | 0.61372863 | hypothetical protein |
| CNXL_050870 | 0.144526536 | 0.814220979 | solute carrier family 20 |
| CNXL_050880 | 1.093000819 | 0.002607525 | hypothetical protein |
| CNXL_050890 | -0.098761316 | 0.924670253 | glycosyl hydrolase |
| CNXL_050900 | 0.172175809 | 0.752406534 | Unknown |
| CNXL_050910 | -0.961188133 | NA | tRNA ^-O-ribozyme phosphate transferase |
| CNXL_050920 | 0.000413334 | 0.995735232 | hypothetical protein |
| CNXL_050930 | 0.40352635 | 0.304500885 | calcofluor white hypersensitive protein |
| CNXL_050940 | -0.257548567 | 0.638207373 | phosphodiesterase |
| CNXL_050950 | 0.462649759 | 0.253506448 | translation initiation factor 2D |
| CNXL_050960 | 0.549944733 | 0.068985512 | esterase/lipase |
| CNXL_050970 | -0.418447208 | 0.483451258 | phospholipase A-2-activating protein |
| CNXL_050980 | -0.077162728 | 0.914335636 | deoxyhypusine hydroxylase |
| CNXL_050990 | -0.397738837 | 0.291577212 | Unknown |
| CNXL_051000 | 0.221503283 | 0.825693461 | mitochondrial protein |
| CNXL_051010 | 0.93824262 | 0.002843529 | hypothetical protein |
| CNXL_051020 | 0.211653248 | 0.735323021 | quinone oxidoreductase |
| Gene ID | Description                  | Log2 Fold Change | p-value  |
|---------|-------------------------------|-----------------|----------|
| CNXL_051030 | -0.374167258  | 0.68927994      | hypothetical protein |
| CNXL_051040 | 1.165214765   | 0.00030896      | hypothetical protein |
| CNXL_051050 | -0.878945837  | 0.314390734     | pod-specific dehydrogenase SAC25 |
| CNXL_051060 | 1.248688446   | 0.00015128      | histone deacetylase 1/2 |
| CNXL_051070 | 0.159145579   | 0.816809805     | YjeF family protein |
| CNXL_051080 | 1.041150336   | 0.00031527      | ubiquitin-like protein |
| CNXL_051090 | 0.121841622   | 0.857274599     | hypothetical protein |
| CNXL_051100 | -0.3915759    | 0.422414274     | ENTH domain-containing protein c |
| CNXL_051110 | -0.265082671  | 0.637722771 U3 small nuclear RNA-associated protein 1/2 |
| CNXL_051120 | 0.214115657   | 0.758169261 DNA repair protein Rad5 |
| CNXL_051130 | 0.469024072   | 0.547836899     | transcription initiation factor TFIIF subunit beta |
| CNXL_051140 | -0.793139914  | 0.027448551 CAMK protein kinase |
| CNXL_051150 | 0.325286666   | 0.436980626 eukaryotic translation initiation factor 3 subunit 1 |
| CNXL_051160 | -0.237307598  | 0.637722711     | hypothetical protein |
| CNXL_051170 | -1.029066981  | 0.00031527      | prefoldin subunit 4 |
| CNXL_051180 | 0.620521026   | 0.108539336     | CBS and PB1 domain-containing protein |
| CNXL_051190 | 0.087670276   | 0.879555308     | hypothetical protein |
| CNXL_051200 | 0.278135977   | 0.566713427     | ENTH domain-containing protein c |
| CNXL_051210 | -0.143082717  | 0.80398313 Unkonwn |
| CNXL_051220 | 0.109506794   | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051230 | -0.191710551  | 0.670362199 DNA polymerase mu subunit |
| CNXL_051240 | -0.180571185  | 0.806051382 hypothetical protein |
| CNXL_051250 | 0.680904132   | 0.145012655 aldehyde dehydrogenase |
| CNXL_051260 | 0.10596794    | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051270 | 0.941081664   | 0.001526497 sarcosine oxidase |
| CNXL_051280 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051290 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051300 | 0.766613492   | 0.021890324 hypothetical protein |
| CNXL_051310 | 0.952271837   | 0.026024968 GabA peramase |
| CNXL_051320 | 0.299923915   | 0.437059565 Unkonwn |
| CNXL_051330 | -0.545035076  | 0.2191/4239 nicotine phosphoribosyltransferase |
| CNXL_051340 | -0.094688884  | 0.879555308 small subunit ribosomal protein S13 |
| CNXL_051350 | 0.164135977   | 0.566713427 hypothetical protein |
| CNXL_051360 | -0.143082717  | 0.804398313 Unknown |
| CNXL_051370 | 0.109506794   | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051380 | 0.941081664   | 0.001526497 sarcosine oxidase |
| CNXL_051390 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051400 | 0.265549218   | 0.026024968 GabA peramase |
| CNXL_051410 | 0.299923915   | 0.437059565 Unkonwn |
| CNXL_051420 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051430 | 0.109506794   | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051440 | 0.941081664   | 0.001526497 sarcosine oxidase |
| CNXL_051450 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051460 | 0.265549218   | 0.026024968 GabA peramase |
| CNXL_051470 | 0.299923915   | 0.437059565 Unkonwn |
| CNXL_051480 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051490 | 0.109506794   | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051500 | 0.941081664   | 0.001526497 sarcosine oxidase |
| CNXL_051510 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051520 | 0.265549218   | 0.026024968 GabA peramase |
| CNXL_051530 | 0.299923915   | 0.437059565 Unkonwn |
| CNXL_051540 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051550 | 0.109506794   | 0.867654918 peroxisomal copper amine oxidase |
| CNXL_051560 | 0.941081664   | 0.001526497 sarcosine oxidase |
| CNXL_051570 | 0.00031527      | 0.80398313 Unkonwn |
| CNXL_051580 | 0.265549218   | 0.026024968 GabA peramase |
| CNXL_051590 | 0.299923915   | 0.437059565 Unkonwn |
| CNXL_051600 | 0.00031527      | 0.80398313 Unkonwn |
| Gene ID   | Expression Value | Function Description                                      |
|-----------|------------------|----------------------------------------------------------|
| CNXL_051610 | 0.002138523      | 0.996833113 beta-1                                       |
| CNXL_051620 | -0.01871984      | 0.982102702 protoheme IX farnesyltransferase            |
| CNXL_051630 | -0.14963592      | 0.809427305 ATP-binding cassette transporter             |
| CNXL_051640 | 0.15923545       | 0.753446444 U3 small nuclear RNA-associated protein 11   |
| CNXL_051650 | -0.05722937      | 0.939255348 phospholipid:diacylglycerol acyltransferase |
| CNXL_051660 | -0.09644433      | 0.861349479 hypothetical protein                         |
| CNXL_051670 | 0.44781776       | 0.36733274 membrane fraction protein                     |
| CNXL_051680 | -0.92417799      | 0.000963619 protein tyrosine phosphatase                 |
| CNXL_051690 | 0.19760292       | 0.687568439 hypothetical protein                         |
| CNXL_051700 | 0.12503452       | 0.841905236 hypothetical protein                         |
| CNXL_051710 | -0.33044926      | 0.537650729 Unknown                                      |
| CNXL_051720 | 0.70409545       | 0.614760546 Unknown                                      |
| CNXL_051730 | 0.19901282       | 0.751284159 hypothetical protein                         |
| CNXL_051740 | 0.208653492      | 0.683642142 Unknown                                      |
| CNXL_051750 | -0.02128725      | 0.981240834 hypothetical protein                         |
| CNXL_051760 | -0.399216427     | 0.323308793 V-type proton ATPase subunit E              |
| CNXL_051770 | -0.03054377      | 0.969527869 exoribonuclease II                          |
| CNXL_051780 | 0.474103397      | 0.315144538 splicing factor 3B subunit 4                |
| CNXL_051790 | -0.26639845      | 0.55554499 hypothetical protein                         |
| CNXL_051800 | 1.56519524       | 0.165266145 helicase SWR1                                |
| CNXL_051810 | -0.166144288     | 0.73464097 hypothetical protein                         |
| CNXL_051820 | -0.65359405      | 0.088452632 L-lactate dehydrogenase                      |
| CNXL_051830 | 0.034122029      | 0.965004754 hypothetical protein                         |
| CNXL_051840 | -0.091848522     | 0.890147007 CCR4-NOT transcription complex subunit 7/8  |
| CNXL_051850 | 1.079351965      | 0.000715453 myosin-1                                    |
| CNXL_051860 | -0.09928934      | 0.905935139 DNA-3-methyladenine glycosylase II          |
| CNXL_051870 | -0.152000599     | 0.810333199 centromeric protein E                        |
| CNXL_051880 | 0.200903934      | 0.754214936 hypothetical protein                         |
| CNXL_051890 | -0.326816251     | 0.519652797 hypothetical protein                         |
| CNXL_051900 | 0.290364089      | 0.664511524 DNA polymerase kappa subunit                 |
| CNXL_051910 | -0.505778753     | 0.25401037 hypothetical protein                         |
| CNXL_051920 | 0.149175987      | 0.78809694 ubiquinol-cytochrome c reductase core subunit|
| CNXL_051930 | -0.648887844     | 0.078923725 hypothetical protein                         |
| CNXL_051940 | -0.336292985     | 0.482842388 white-collar transcription factor            |
| CNXL_051950 | 0.004019157      | 0.995994152 hypothetical protein                         |
| CNXL_051960 | -0.693294382     | 0.865614892 hypothetical protein                         |
| CNXL_051970 | 0.259826346      | 0.586181879 glycosyl transferase family 8 protein       |
| CNXL_051980 | -0.203494968     | 0.675025545 hypothetical protein                         |
| CNXL_051990 | -0.333973265     | 0.664110764 hypothetical protein                         |
| CNXL_052000 | -0.44660083      | 0.417866535 hypothetical protein                         |
| CNXL_052010 | 0.087226107      | 0.889757615 hypothetical protein                         |
| CNXL_052020 | -0.601410591     | 0.272050531 hypothetical protein                         |
| CNXL_052030 | 0.180187931      | NA hypothetical protein                                  |
| CNXL_052040 | -0.308250585     | 0.4433503973 Unknown                                    |
| CNXL_052050 | -0.256903407     | 0.675584168 hypothetical protein                         |
| CNXL_052060 | -0.231499247     | 0.846112002 lipoyl synthase                             |
| CNXL_052070 | 0.11479539       | 0.886480005 Unknown                                     |
| CNXL_052080 | -0.241274468     | 0.627988525 Unknown                                    |
| CNXL_052090 | 0.100210014      | 0.86525322 ubiquitin-conjugation factor E4 B            |
| CNXL_052100 | -0.376228159     | 0.364205207 nuclear cap-binding protein subunit 2       |
| CNXL_052110 | -0.08015218      | 0.904506055 NADH dehydrogenase                          |
| CNXL_052120 | -0.144127079     | 0.809974479 Unknown                                    |
| CNXL_052130 | -0.189838839     | 0.660663885 Unknown                                    |
| CNXL_052140 | 0.126651138      | 0.830440343 chaperone DnaK                              |
| CNXL_052150 | 0.316206345      | 0.432073936 pyridoxal kinase                            |
| CNXL_052160 | -0.48063416      | 0.163482578 DNA mismatch repair protein MSH4            |
| CNXL_052170 | 0.463205292      | 0.798976008 SET domain-containing protein 6             |
| CNXL_052180 | -0.031380613     | 0.965966884 hypothetical protein                         |
| CNXL_052190 | CNL04220 | 0.681190029 | 0.417588807 |
| CNXL_052200 | CNL04210 | 0        | NA          |
| CNXL_052210 | CNL04140 | 2.993792313 | NA          |
| CNXL_052220 | CNL04110 | 0.20997669 | 0.969473798 |
| CNXL_052230 | CNL04100 | -0.48853345 | 0.597680886 |
| CNXL_052240 | CNL04090 | 0.006567016 | 0.994453452 |
| CNXL_052250 | CNL04080 | 0.192255982 | 0.681560436 |
| CNXL_052260 | CNL04070 | -0.116768994 | 0.814220979 |
| CNXL_052270 | CNL04060 | 0.04012028 | 0.963420993 |
| CNXL_052280 | CNL04050 | -0.116768994 | 0.814220979 |
| CNXL_052290 | CNL04040 | 0.006567016 | 0.994453452 |
| CNXL_052300 | CNL04030 | -0.220728937 | 0.701325477 |
| CNXL_052310 | CNL04020 | -0.337054904 | 0.437598632 |
| CNXL_052320 | CNL04010 | 0.099466097 | 0.866730187 |
| CNXL_052330 | CNL04000 | 0.170116905 | 0.755040408 |
| CNXL_052340 | CNL03990 | 0.462624994 | 0.125429289 |
| CNXL_052350 | CNL03980 | 0.049151977 | 0.946144993 |
| CNXL_052360 | CNL03970 | 0.167518383 | 0.747659944 |
| CNXL_052370 | CNL03960 | -0.840512537 | 0.340351686 |
| CNXL_052380 | CNL03950 | 0.099466097 | 0.866730187 |
| CNXL_052390 | CNL03940 | 0.099466097 | 0.866730187 |
| CNXL_052400 | CNL03930 | 0.137836615 | 0.78519633 |
| CNXL_052410 | CNL03920 | 0.137836615 | 0.78519633 |
| CNXL_052420 | CNL03910 | 0.220834956 | 0.825693641 |
| CNXL_052430 | CNL03900 | 0.220834956 | 0.825693641 |
| CNXL_052440 | CNL03890 | 0.220834956 | 0.825693641 |
| CNXL_052450 | CNL03880 | 0.220834956 | 0.825693641 |
| CNXL_052460 | CNL03870 | 0.220834956 | 0.825693641 |
| CNXL_052470 | CNL03860 | 0.220834956 | 0.825693641 |
| CNXL_052480 | CNL03850 | 0.220834956 | 0.825693641 |
| CNXL_052490 | CNL03840 | 0.220834956 | 0.825693641 |
| CNXL_052500 | CNL03830 | 0.220834956 | 0.825693641 |
| CNXL_052510 | CNL03820 | 0.220834956 | 0.825693641 |
| CNXL_052520 | CNL03810 | 0.220834956 | 0.825693641 |
| CNXL_052530 | CNL03800 | 0.220834956 | 0.825693641 |
| CNXL_052540 | CNL03790 | 0.220834956 | 0.825693641 |
| CNXL_052550 | CNL03780 | 0.220834956 | 0.825693641 |
| CNXL_052560 | CNL03770 | 0.220834956 | 0.825693641 |
| CNXL_052570 | CNL03760 | 0.220834956 | 0.825693641 |
| CNXL_052580 | CNL03750 | 0.220834956 | 0.825693641 |
| CNXL_052590 | CNL03740 | 0.220834956 | 0.825693641 |
| CNXL_052600 | CNL03730 | 0.220834956 | 0.825693641 |
| CNXL_052610 | CNL03720 | 0.220834956 | 0.825693641 |
| CNXL_052620 | CNL03710 | 0.220834956 | 0.825693641 |
| CNXL_052630 | CNL03700 | 0.220834956 | 0.825693641 |
| CNXL_052640 | CNL03690 | 0.220834956 | 0.825693641 |
| CNXL_052650 | CNL03680 | 0.220834956 | 0.825693641 |
| CNXL_052660 | CNL03670 | 0.220834956 | 0.825693641 |
| CNXL_052670 | CNL03660 | 0.220834956 | 0.825693641 |
| CNXL_052680 | CNL03650 | 0.220834956 | 0.825693641 |
| CNXL_052690 | CNL03640 | 0.220834956 | 0.825693641 |
| CNXL_052700 | CNL03630 | 0.220834956 | 0.825693641 |
| CNXL_052710 | CNL03620 | 0.220834956 | 0.825693641 |
| CNXL_052720 | CNL03610 | 0.220834956 | 0.825693641 |
| CNXL_052730 | CNL03600 | 0.220834956 | 0.825693641 |
| CNXL_052740 | CNL03590 | 0.220834956 | 0.825693641 |
| CNXL_052750 | CNL03580 | 0.220834956 | 0.825693641 |
| CNXL_052760 | CNL03570 | 0.220834956 | 0.825693641 |
| Gene_ID     | Description                                      | Log2 Fold Change | P-Value  |
|------------|--------------------------------------------------|------------------|----------|
| CNH03630   | membrane protein                                 | 0.637722771      |          |
| CNH03620   | NADH dehydrogenase                               | 0.777814879      |          |
| CNH03610   | hypothetical protein                              | 0.725078077      |          |
| CNH03600   | 2OS proteasome subunit alpha 7                   | 0.62364132       |          |
| CNH03590   | rRNA pseudouridine13 synthase                    | 0.719248355      |          |
| CNH03580   | transcription initiation factor TFIIE subunit beta| 0.965101267      |          |
| CNH03570   | hypothetical protein                              | 0.582678739      |          |
| CNH03560   | 1                                                | 0.042098547      |          |
| CNH03550   | STE/STE20/YSK protein kinase                      | 0.742187954      |          |
| CNH03540   | hypothetical protein                              | 0.33306974       |          |
| CNH03530   | hypothetical protein                              | 0.810224824      |          |
| CNH03520   | HUS1 checkpoint protein                          | 0.523236531      |          |
| CNH03510   | hypothetical protein                              | 0.986381348      |          |
| CNH03500   | hypothetical protein                              | 0.19334991       |          |
| CNH03490   | t-box protein of scf ubiquitin-ligase complex     | 2.744145E-05      |          |
| CNH03480   | hypothetical protein                              | 0.865068963      |          |
| CNH03470   | hypothetical protein                              | 0.991792083      |          |
| CNH03460   | hypothetical protein                              | 0.920669589      |          |
| CNH03450   | hypothetical protein                              | 0.996472611      |          |
| CNH03440   | hypothetical protein                              | 0.779380569      |          |
| CNH03430   | hypothetical protein                              | 0.803099375      |          |
| CNH03420   | HUS1 checkpoint protein                          | 0.942888075      |          |
| CNH03410   | hypothetical protein                              | 0.001963151      |          |
| CNH03400   | hypothetical protein                              | 0.365333703      |          |
| CNH03390   | hypothetical protein                              | 0.234350217      |          |
| CNH03380   | hypothetical protein                              | 0.123247228      |          |
| CNH03370   | hypothetical protein                              | 0.939255348      |          |
| CNH03360   | hypothetical protein                              | 0.840322617      |          |
| CNH03350   | hypothetical protein                              | 0.576167679      |          |
| CNH03340   | hypothetical protein                              | 0.12453995       |          |
| CNH03330   | hypothetical protein                              | 0.145962194      |          |
| CNH03320   | hypothetical protein                              | 0.029865442      |          |
| CNH03310   | hypothetical protein                              | 0.901676457      |          |
| CNH03300   | mitochondrial carrier protein                     | 0.46632372       |          |
| CNH03290   | 1.2501E-18 coronin                                | 1.2501E-18       |          |
| CNH03280   | amine oxidase                                     | 0.68904326       |          |
| CNH03270   | isocitrate lyase                                  | 0.469828881      |          |
| CNH03260   | hypothetical protein                              | 0.929378909      |          |
| CNH03250   | beta-catenin-like protein                         | 0.001450786      |          |
| CNH03240   | hypothetical protein                              | 0.936783812      |          |
| CNH03230   | hypothetical protein                              | 0.49031559       |          |
| CNH03220   | arsenite-resistant protein                        | 0.593397075      |          |
| CNH03210   | hypothetical protein                              | 0.421537718      |          |
| CNH03200   | hypothetical protein                              | 0.949641665      |          |
| CNH03190   | hypothetical protein                              | 0.522860075      |          |
| CNH03180   | hypothetical protein                              | 0.406451264      |          |
| CNH03170   | hypothetical protein                              | 0.953095191      |          |
| CNH03160   | taurine catabolism dioxygenase TauD              | 0.935021199      |          |
| CNH03150   | inositol oxidase                                  | 0.950254084      |          |
| CNH03140   | L-mandelate dehydrogenase                         | 0.650629033      |          |
| CNH03130   | hypothetical protein                              | 0.932765996      |          |
| CNH03120   | hypothetical protein                              | 0.170587304      |          |
| CNH03110   | hypothetical protein                              | 0.679255446      |          |
| CNH03100   | hypothetical protein                              | 0.0353948        |          |
| CNH03090   | hypothetical protein                              | 0.116094051      |          |
| CNH03080   | sugar transporter                                 | 0.134036805      |          |
| CNH03070   | hypothetical protein                              | 0.824128228      |          |
| CNH03060   | hypothetical protein                              | 2.885783419      |          |
| CNH03050   | hypothetical protein                              | 0.991792083      |          |
| CNH03040   | hypothetical protein                              | 0.991792083      |          |
| CNH03030   | hypothetical protein                              | 0.991792083      |          |
| CNH03020   | hypothetical protein                              | 0.991792083      |          |
| Gene | Protein Function |
|------|-----------------|
| CNXL_053350 | -0.52225694 | 0.303135759 | Unknown |
| CNXL_053360 | 0.041173067 | 0.965966884 | Unknown |
| CNXL_053370 | -0.64990066 | 0.301688 | hypothetical protein |
| CNXL_053380 | -2.332113113 | 5.88045E-19 | Unknown |
| CNXL_053390 | 0.907056319 | 0.002697382 | hypothetical protein |
| CNXL_053400 | 1.018713869 | 0.00461447 | Unknown |
| CNXL_053410 | 0.912525335 | 0.00548193 | Unknown |
| CNXL_053420 | -0.64990066 | 0.301688 | hypothetical protein |
| CNXL_053430 | -2.332113113 | 5.88045E-19 | Unknown |
| CNXL_053440 | 0.912525335 | 0.00548193 | Unknown |
| CNXL_053450 | -0.217598228 | 0.615520877 | Dimethyladenosine transferase |
| CNXL_053460 | -0.093887985 | 0.958064567 | G2/mitotic-specific cyclin 1/2 |
| CNXL_053470 | -0.220565245 | 0.64785945 | Hypothetical protein |
| CNXL_053480 | 0.214931155 | 0.813764828 | Hypothetical protein |
| CNXL_053490 | 0.141933477 | 0.280743918 | Fumarate reductase |
| CNXL_053500 | -0.09094404 | 0.884028948 | Hypothetical protein |
| CNXL_053510 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053520 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053530 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053540 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053550 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053560 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053570 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053580 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053590 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053600 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053610 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053620 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053630 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053640 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053650 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053660 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053670 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053680 | 0.461371498 | 0.487397795 | Hypothetical protein |
| CNXL_053690 | -0.14637442 | 0.280743918 | Hypothetical protein |
| CNXL_053710 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053720 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053730 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053740 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053750 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053760 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053770 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053780 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053790 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053800 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053810 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053820 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053830 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053840 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053850 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053860 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053870 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053880 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053890 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053900 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053910 | 0.046944345 | 0.313451634 | Unknown |
| CNXL_053920 | 0.046944345 | 0.313451634 | Unknown |
| Gene         | Log2FoldChange | q-value  | Description                              |
|--------------|----------------|----------|------------------------------------------|
| actin-like protein ARP6 | -0.308163786 | 0.566457057 | hypothetical protein                     |
| CNXL_053940 | -0.199905865  | 0.691713682 | Unknown                                   |
| CNXL_053950 | -0.006854531  | 0.993094074 | OPT family small oligopeptide transporter|
| CNXL_053960 | -0.30773916   | 0.647127462 | hypothetical protein                      |
| CNXL_053970 | 0.055997544   | 0.935785373 | prolyl oligopeptidase                    |
| CNXL_053980 | 0.609313942   | 0.047122187 | hypothetical protein                      |
| CNXL_053990 | -0.383801751  | 0.432050869 | glycogen                                 |
| CNXL_054000 | 0.379295039   | 0.782518595 | endoplasmic reticulum protein            |
| CNXL_054010 | -0.775086573  | 0.0002579204 | hypothetical protein                     |
| CNXL_054020 | 0.103497157   | 0.847718093 | Unknown                                   |
| CNXL_054030 | -0.522100286  | 0.27629814  | cerevisin                                |
| CNXL_054040 | -0.000325489  | 0.999153977 | hypothetical protein                      |
| CNXL_054050 | -0.241327832  | 0.628314018 | COP9 signalosome complex subunit 12      |
| CNXL_054060 | -0.540771734  | 0.179305892 | translation initiation factor 6          |
| CNXL_054070 | -0.531703368  | 0.095784948 | Mob1 family protein                      |
| CNXL_054080 | 0.142605545   | 0.814220979 | hypothetical protein                      |
| CNXL_054090 | 0.520786995   | 0.078954247 | ribitol kinase                           |
| CNXL_054100 | -0.110452879  | 0.893381182 | uracil permease                          |
| CNXL_054110 | -2.184492868  | 6.9276E-16 | Unknown                                   |
| CNXL_054120 | -1.068369811  | 0.000129394 | hypothetical protein                      |
| CNXL_054130 | -2.358840381  | 9.27835E-18 | hypothetical protein                      |
| CNXL_054140 | -2.642805281  | 0.000162376 | endopeptidase                            |
| CNXL_054150 | -0.148289123  | 0.836716033 | Unknown                                   |
| CNXL_054160 | -0.186233938  | 0.701325477 | Unknown                                   |
| CNXL_054170 | -0.701689552  | 0.026839543 | metacaspase-1                            |
| CNXL_054180 | -0.493753748  | 0.173210496 | hypothetical protein                      |
| CNXL_054190 | -0.553221924  | 0.067840292 | hypothetical protein                      |
| CNXL_054200 | -0.127506593  | 0.842339591 | ATP-citrate lyase                        |
| CNXL_054210 | -0.503699313  | 0.30897417 | general transcription factor 3C polypeptide 3 |
| CNXL_054220 | -0.19877106   | 0.674428586 | tetraspanin                              |
| CNXL_054230 | -0.215001294  | 0.71878528 | hypothetical protein                      |
| CNXL_054240 | -0.377561496  | 0.618219855 | hypothetical protein                      |
| CNXL_054250 | -0.022255799  | 0.980972278 | glutathione synthetase                   |
| CNXL_054260 | -0.202229185  | 0.80500309 | sister chromatid cohesion protein PDS5    |
| CNXL_054270 | -0.096102742  | 0.928525448 | Unknown                                   |
| CNXL_054280 | -0.350011728  | 0.570755994 | Unknown                                   |
| CNXL_054290 | 0.724229257   | 0.053107002 | actin-like protein ARP6                   |
| CNXL_054300 | 0.543783458   | 0.083791338 | hypothetical protein                      |
| CNXL_054310 | 0.047309954   | 0.947267247 | enoyl reductase                          |
| CNXL_054320 | -1.006777428  | 0.001481509 | hypothetical protein                      |
| CNXL_054330 | -0.325692453  | 0.440656673 | rab family protein                       |
| CNXL_054340 | 1.434682131   | 8.77942E-05 | arginine-tRNA-protein transferase        |
| CNXL_054350 | -0.913035552  | 0.000915409 | short-chain dehydrogenase                |
| CNXL_054360 | -1.712017412  | 1.47811E-16 | hypothetical protein                      |
| CNXL_054370 | 0.024209385   | 0.974607004 | pyruvate decarboxylase                   |
| CNXL_054380 | 0.96011746    | 0.011211877 | hypothetical protein                      |
| CNXL_054390 | -0.308885844  | 0.517631308 | chromosome transmission fidelity protein  |
| CNXL_054400 | -0.016670907  | 0.986226596 | large subunit ribosomal protein L37      |
| CNXL_054410 | 0.054579308   | 0.936783812 | hypothetical protein                      |
| CNXL_054420 | 0.481890002   | 0.271947274 | 26S protease regulatory subunit 8        |
| CNXL_054430 | -0.019013331  | 0.983499434 | hypothetical protein                      |
| CNXL_054440 | -0.179695602  | 0.796855977 | ubiquitin-conjugating enzyme             |
| CNXL_054450 | -0.340013393  | 0.443600568 | mitochondrial matrix protein import protein|
| CNXL_054460 | -0.003128373  | 0.996472611 | hypothetical protein                      |
| CNXL_054470 | 0.039314111   | 0.965968884 | hypothetical protein                      |
| CNXL_054480 | 0.911435972   | 0.00566394 | unspecified product                     |
| CNXL_054490 | 0.148731902   | 0.814220979 | Unknown                                   |
| CNXL_054500 | -0.238555623  | 0.755488326 | hypothetical protein                      |
| Gene ID   | Description                                                                 | Score  | Log2 Fold Change |
|----------|------------------------------------------------------------------------------|--------|-----------------|
| CNXL_054510 | hypothetical protein                                                          | 0.464018295 | 0.189297101     |
| CNXL_054520 | 6-phosphofructokinase                                                        | -0.555022803 | 0.143982299      |
| CNXL_054530 | xylitol dehydrogenase                                                         | -0.302922578 | 0.547814913     |
| CNXL_054540 | protein kinase                                                                | -0.238141873 | 0.703721839     |
| CNXL_054550 | histone deacetylase complex subunit                                           | 0.294944007 | 0.527938546     |
| CNXL_054560 | hypothetical protein                                                          | -0.944784652 | 0.002744802     |
| CNXL_054570 | hypothetical protein                                                          | -0.104876103 | 0.864719008     |
| CNXL_054580 | histone deacetylase complex subunit                                           | 0.072574483 | 0.916894829     |
| CNXL_054590 | hypothetical protein                                                          | -0.253024077 | 0.96194201      |
| CNXL_054600 | hypothetical protein                                                          | -0.639095763 | 0.120571776     |
| CNXL_054610 | hypothetical protein                                                          | -0.383101096 | 0.666493831     |
| CNXL_054620 | hypothetical protein                                                          | -0.264780673 | 0.538509171     |
| CNXL_054630 | hypothetical protein                                                          | -0.037209928 | 0.628625129     |
| CNXL_054640 | hypothetical protein                                                          | -0.102829397 | 0.305781436     |
| CNXL_054650 | hypothetical protein                                                          | 0.005541766 | 0.995735232     |
| CNXL_054660 | hypothetical protein                                                          | -2.983241418 | 1.85342E-41     |
| CNXL_054670 | hypothetical protein                                                          | -0.196427619 | 0.770342269     |
| CNXL_054680 | thymidylate synthase                                                         | -0.305167192 | 0.536746923     |
| CNXL_054690 | hypothetical protein                                                          | -0.264780673 | 0.538509171     |
| CNXL_054700 | hypothetical protein                                                          | -0.028699878 | 0.819853333     |
| CNXL_054710 | hypothetical protein                                                          | -0.211982513 | 0.717347987     |
| CNXL_054720 | hypothetical protein                                                          | -0.227825588 | 0.742189754     |
| CNXL_054730 | hypothetical protein                                                          | 0.070271686 | 0.912929878     |
| CNXL_054740 | hypothetical protein                                                          | -0.484331912 | 0.311850588     |
| CNXL_054750 | hypothetical protein                                                          | -0.310484692 | 0.664771357     |
| CNXL_054760 | hypothetical protein                                                          | 0.389062835 | 0.417866535     |
| CNXL_054770 | hypothetical protein                                                          | -0.381477527 | 0.550283326     |
| CNXL_054780 | hypothetical protein                                                          | 0.203081054 | 0.677367265     |
| CNXL_054790 | hypothetical protein                                                          | 2.103888825 | 1.14517E-05     |
| CNXL_054800 | hypothetical protein                                                          | 0.519826887 | 0.068778813     |
| CNXL_054810 | hypothetical protein                                                          | -0.371505825 | 0.417866535     |
| CNXL_054820 | hypothetical protein                                                          | -0.395472218 | 0.28597085     |
| CNXL_054830 | hypothetical protein                                                          | -0.752393797 | 0.28126755      |
| CNXL_054840 | hypothetical protein                                                          | -2.713007407 | 2.8333E-39      |
| CNXL_054850 | hypothetical protein                                                          | -0.270587171 | 0.676573672     |
| CNXL_054860 | hypothetical protein                                                          | 0.027626257 | 0.970458444     |
| CNXL_054870 | hypothetical protein                                                          | -0.143570462 | 0.779355929     |
| CNXL_054880 | hypothetical protein                                                          | -0.338248397 | 0.873324574     |
| CNXL_054890 | hypothetical protein                                                          | -0.41937415  | 0.33706418     |
| CNXL_054900 | hypothetical protein                                                          | 0.027645558 | 0.970404228     |
| CNXL_054910 | hypothetical protein                                                          | 0.296271684 | 0.912929878     |
| CNXL_054920 | hypothetical protein                                                          | -0.354972218 | 0.28597085     |
| CNXL_054930 | hypothetical protein                                                          | -0.752393797 | 0.28126755      |
| CNXL_054940 | hypothetical protein                                                          | -0.381477527 | 0.550283326     |
| CNXL_054950 | hypothetical protein                                                          | 0.203081054 | 0.677367265     |
| CNXL_054960 | hypothetical protein                                                          | 2.103888825 | 1.14517E-05     |
| CNXL_054970 | hypothetical protein                                                          | 0.519826887 | 0.068778813     |
| CNXL_054980 | hypothetical protein                                                          | -0.371505825 | 0.417866535     |
| CNXL_054990 | hypothetical protein                                                          | -0.395472218 | 0.28597085     |
| CNXL_055000 | hypothetical protein                                                          | -0.752393797 | 0.28126755      |
| CNXL_055010 | hypothetical protein                                                          | -0.381477527 | 0.550283326     |
| CNXL_055020 | hypothetical protein                                                          | 0.203081054 | 0.677367265     |
| CNXL_055030 | hypothetical protein                                                          | 2.103888825 | 1.14517E-05     |
| CNXL_055040 | hypothetical protein                                                          | 0.519826887 | 0.068778813     |
| CNXL_055050 | hypothetical protein                                                          | 0.296271684 | 0.912929878     |
| CNXL_055060 | hypothetical protein                                                          | 0.519826887 | 0.068778813     |
| CNXL_055070 | hypothetical protein                                                          | -0.354972218 | 0.28597085     |
| CNXL_055080 | hypothetical protein                                                          | 0.203081054 | 0.677367265     |
| Gene ID   | Description                        | Fold Change | p-value          |
|----------|------------------------------------|-------------|-----------------|
| CNXL_055090 | hypothetical protein                | 0.131668823 | 0.812703117     |
| CNXL_055100 | hypothetical protein                | -0.223290853 | 0.637927859     |
| CNXL_055110 | DNA repair protein RAD5             | -0.23689383  | 0.750135528     |
| CNXL_055120 | mitochondrial ornithine carrier protein | -0.673283594 | 0.040033951     |
| CNXL_055130 | metalloproteinase                  | -1.213705407 | 0.001160116     |
| CNXL_055140 | hypothetical protein                | 0.180509502  | 0.764330585     |
| CNXL_055150 | hypothetical protein                | 0.772641411  | 0.010405914     |
| CNXL_055160 | fimbrin                            | -0.049567795 | 0.95265881      |
| CNXL_055170 | cytochrome c oxidase assembly protein COX19 | 0.227307002 | 0.365049881     |
| CNXL_055180 | hypothetical protein                | -0.236459587 | 0.764293155     |
| CNXL_055190 | DNA primase large subunit           | 0.183290775  | 0.743437511     |
| CNXL_055200 | hypothetical protein                | 1.609528993  | 1.16109E-06     |
| CNXL_055210 | oligosaccharyltransferase complex subunit beta | -0.026693994 | 0.970906596     |
| CNXL_055220 | hypothetical protein                | -0.023259756 | 0.981240834     |
| CNXL_055230 | hypothetical protein                | 0.227307002  | 0.635049881     |
| CNXL_055240 | hypothetical protein                | -0.023259756 | 0.981240834     |
| CNXL_055250 | hypothetical protein                | 0.774043833  | 0.981240834     |
| CNXL_055260 | hypothetical protein                | 0.325643103  | 0.496574337     |
| CNXL_055270 | hypothetical protein                | 0.940866063  | 0.000367053     |
| CNXL_055280 | hypothetical protein                | -0.744320682 | 0.031099326     |
| CNXL_055290 | hypothetical protein                | 0.183290775  | 0.743437511     |
| CNXL_055300 | hypothetical protein                | -0.744320682 | 0.031099326     |
| CNXL_055310 | hypothetical protein                | 0.636020883  | 0.032932177     |
| CNXL_055320 | hypothetical protein                | -0.160420685 | 0.782518595     |
| CNXL_055330 | hypothetical protein                | -1.213965166 | 0.00239981      |
| CNXL_055340 | hypothetical protein                | -0.919894599 | 0.000131021     |
| CNXL_055350 | hypothetical protein                | 0.512881288  | 0.107354436     |
| CNXL_055360 | mitochondrial protein               | -1.027298135 | 0.00104751      |
| CNXL_055370 | hypothetical protein                | -0.721883389 | 0.05146226      |
| CNXL_055380 | hypothetical protein                | 0.069505023  | 0.992176872     |
| CNXL_055390 | hypothetical protein                | -0.737339695 | 0.08912928      |
| CNXL_055400 | hypothetical protein                | -0.464951712 | 0.0305553212    |
| CNXL_055410 | hypothetical protein                | 0.017398467  | 0.985803294     |
| CNXL_055420 | hypothetical protein                | 0.059917467  | 0.938415008     |
| CNXL_055430 | hypothetical protein                | 0.340654287  | 0.43911626      |
| CNXL_055440 | hypothetical protein                | 1.917740062  | 0.116975288     |
| CNXL_055450 | hypothetical protein                | 0.222191271  | 0.68955844      |
| CNXL_055460 | hypothetical protein                | -0.327405939 | 0.670362199     |
| CNXL_055470 | hypothetical protein                | -0.280918434 | 0.611569335     |
| CNXL_055480 | hypothetical protein                | 0.065269757  | 0.929814702     |
| CNXL_055490 | hypothetical protein                | 0.012423319  | 0.988641003     |
| CNXL_055500 | hypothetical protein                | 0.371484595  | 0.37530434      |
| CNXL_055510 | hypothetical protein                | -0.163816833 | 0.782594586     |
| CNXL_055520 | hypothetical protein                | 0.636320787  | 0.134763285     |
| CNXL_055530 | hypothetical protein                | -0.662877533 | 0.059237283     |
| CNXL_055540 | hypothetical protein                | 0.20077763   | 0.73730484      |
| CNXL_055550 | hypothetical protein                | 0.08379188   | 0.912929878     |
| CNXL_055560 | hypothetical protein                | 0.241722195  | 0.640550491     |
| CNXL_055570 | hypothetical protein                | 0.057806643  | 0.927441884     |
| CNXL_055580 | hypothetical protein                | -0.864493463 | 0.648554518     |
| CNXL_055590 | hypothetical protein                | -0.110510761 | 0.893662159     |
| CNXL_055600 | hypothetical protein                | 0.311709089  | 0.495138797     |
| CNXL_055610 | hypothetical protein                | 0.288068482  | 0.709726462     |
| CNXL_055620 | hypothetical protein                | 0.323046705  | 0.391858761     |
| CNXL_055630 | hypothetical protein                | -0.386961326 | 0.265153342     |
| CNXL_055640 | hypothetical protein                | -0.743274414 | 0.028167535     |
| CNXL_055650 | hypothetical protein                | 0.471160829  | 0.168782041     |
| CNXL_055660 | hypothetical protein                | -0.040463431 | 0.956990161     |
| Gene ID | Description |
|--------|-------------|
| Atypical/ABC1/ABC1-B protein kinase |
| mitochondrial import receptor subunit tom22 |
| mannose-P-dolichol utilization defect 1 |
| membrane protein |
| Unknown |
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| mRNA binding protein |
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| derlin-2/3 |
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| Accession | Name                                      | Log2 Fold Change | p-value 1 | p-value 2 | p-value 3 | p-value 4 | p-value 5 | p-value 6 | p-value 7 | p-value 8 | p-value 9 |
|-----------|-------------------------------------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CNJ03170  | hypothetical protein                      | -0.060163492     | 0.932840267 | hypotheical protein |
| CNJ03640  | hypothetical protein                      | 0.09966054       | 0.893873062 | hypotheical protein |
| CNJ03850  | hypothetical protein                      | -3.235976769     | 9.3683706-06 hypotheical protein |
| CNJ03860  | hypothetical protein                      | 0.326606104      | 0.399376868 | hypotheical protein |
| CNJ03870  | hypothetical protein                      | 0.197843721      | 0.671905355 | hypotheical protein |
| CNJ03880  | hypothetical protein                      | 0.574279537      | 0.374737238 | hypotheical protein |
| CNJ03890  | hypothetical protein                      | 0.19749413       | 0.679200314 | hypotheical protein |
| CNJ03900  | hypothetical protein                      | -0.112282684     | 0.864719008 | nuclear protein |
| CNJ03910  | hypothetical protein                      | 0.078336974      | 0.919952257 | tyrosine-tRNA ligase |
| CNJ03920  | hypothetical protein                      | -0.179127758     | 0.771763303 | hypotheical protein |
| CNJ03930  | hypothetical protein                      | -0.154767057     | 0.785592376 | MFS transporter |
| CNJ03940  | hypothetical protein                      | -0.238278294     | 0.699223686 | cytoplasmic protein |
| CNJ03950  | hypothetical protein                      | 1.237214466      | 0.456910562 | WD40 repeat protein Ciaol |
| CNJ03960  | hypothetical protein                      | 0.041131313      | 0.959294084 | hypotheical protein |
| CNJ03970  | hypothetical protein                      | 2.26746438       | 0.017980001 | SEL1 protein |
| CNJ03980  | hypothetical protein                      | 0.055509305      | 0.931449101 | hypotheical protein |
| CNJ03990  | hypothetical protein                      | -2.405212302     | 0.395304481 | clathrin heavy chain |
| CNJ05000  | hypothetical protein                      | -0.121338213     | 0.846112002 | Unknown |
| CNJ05010  | hypothetical protein                      | -0.015383224     | 0.987076518 | rRNA |
| CNJ05020  | hypothetical protein                      | -0.101740163     | 0.952658811 | 26S protease regulatory subunit 10B |
| CNJ05030  | hypothetical protein                      | -0.076554528     | 0.936086163 | hypotheical protein |
| CNJ05040  | hypothetical protein                      | 0.025274056      | 0.981567052 | hypotheical protein |
| CNJ05050  | hypothetical protein                      | 0.125422698      | 0.889001755 | serine carboxypeptidase-like 33 |
| CNJ05060  | hypothetical protein                      | 0.894268133      | 0.001217161 | Unknown |
| CNJ05070  | hypothetical protein                      | 0.098262759      | 0.879531297 | hypotheical protein |
| CNJ05080  | hypothetical protein                      | 0.287732801      | 0.44102034 | syntaxin 5 |
| CNJ05090  | hypothetical protein                      | 0.351073588      | 0.499788006 | small nuclear ribonucleoprotein G |
| CNJ05100  | hypothetical protein                      | -0.010288766     | 0.989214735 | hypotheical protein |
| CNJ05110  | hypothetical protein                      | 0.564565661      | 0.100109688 | large subunit ribosomal protein L11 |
| CNJ05120  | hypothetical protein                      | -1.862552079     | 0.031003853 | cytoplasmic protein |
| CNJ05130  | hypothetical protein                      | 1.146949495      | 0.00053105 | hypotheical protein |
| CNJ05140  | hypothetical protein                      | 0.484066268      | 0.463658548 | galactose transporter |
| CNJ05150  | hypothetical protein                      | 0.64903143       | 0.175966187 | Unknown |
| CNJ05160  | hypothetical protein                      | -0.053913919     | 0.952560219 | Unknown |
| CNJ05170  | hypothetical protein                      | -0.730868298     | 0.115488803 | Unknown |
| CNJ05180  | hypothetical protein                      | -0.00297827      | 0.996472611 | Unknown |
| CNJ05190  | hypothetical protein                      | -0.05756438      | 0.935535525 | hypotheical protein |
| CNJ05200  | hypothetical protein                      | 0.441947025      | 0.237871488 | peptidyl-prolyl isomerase G |
| CNJ05210  | hypothetical protein                      | 0.183168816      | 0.746765994 | hypotheical protein |
| CNJ05220  | hypothetical protein                      | 0.396002998      | 0.485738771 | arsenical-resistance protein |
| CNJ05230  | hypothetical protein                      | 0.817055413      | 0.001575332 | Unknown |
| CNJ05240  | hypothetical protein                      | -0.25201842      | 0.58721075 | beta-fructofuranosidase |
| CNJ05250  | hypothetical protein                      | 0.270775119      | 0.555344499 | hypotheical protein |
| CNJ05260  | hypothetical protein                      | -0.152524521     | 0.827553884 | anon-23da protein |
| CNJ05270  | hypothetical protein                      | -0.568253713     | 0.140437813 | hypotheical protein |
| CNJ05280  | hypothetical protein                      | -0.272144744     | 0.536866826 | ubiquitin carboxyl-terminal hydrolase 10 |
| CNJ05290  | hypothetical protein                      | -0.637355725     | 0.212967646 | tRNA Z-3-O-methyltransferase fibrillarin |
| CNJ05300  | hypothetical protein                      | 0.59719077       | 0.374737238 | hypotheical protein |
| CNJ05310  | hypothetical protein                      | -0.516136823     | 0.246149167 | thiol-specific antioxidant protein 3 |
| CNJ05320  | hypothetical protein                      | 1.364364668      | 0.014540957 | hypotheical protein |
| CNJ05330  | hypothetical protein                      | 0.683310906      | 0.103401734 | hypotheical protein |
| CNJ05340  | hypothetical protein                      | -2.1438589       | 0.009650246 | Unknown |
| CNJ05350  | hypothetical protein                      | -2.294298944     | 1.62079E-07 | hypotheical protein |
| CNJ05360  | hypothetical protein                      | -2.263004193     | 0.00302797 | Unknown |
| CNJ05370  | hypothetical protein                      | -0.641817479     | 0.612409488 | Unknown |
| CNJ05380  | hypothetical protein                      | -0.43844707      | 0.274753763 | Unknown |
| CNJ05390  | hypothetical protein                      | 0.403462514      | 0.21653299 | gamma-tubulin |
| CNJ05400  | hypothetical protein                      | 0.540747513      | 0.062066354 | L-serine ammonia-lyase |
| Gene ID   | Description                                                                 | Value   |
|-----------|-----------------------------------------------------------------------------|---------|
| CNXL_057410 | CNK00200 hypothetical protein                                                | 0.124139536 | 0.810224824 |
| CNXL_057420 | CNK00240 pyridoxal biosynthesis lyase pdxS                                   | 0.236369056 | 0.693186442 |
| CNXL_057430 | CNK00210 hypothetical protein                                                | -0.253207532 | 0.650714942 |
| CNXL_057440 | CNK00220 hypothetical protein                                                | 0.790501336 | 0.008086001 |
| CNXL_057450 | CNK00230 cytoplasmic protein                                                 | 1.014784040 | 0.002196564 |
| CNXL_057460 | CNK00240 hypothetical protein                                                | 0.078747478 | 0.916894829 |
| CNXL_057470 | CNK00250 mRNA-decapping enzyme subunit 2                                    | -0.151872564 | 0.846990996 |
| CNXL_057480 | CNK00260 hypothetical protein                                                | -0.044067808 | 0.976006716 |
| CNXL_057490 | CNK00270 hypothetical protein                                                | -0.008879227 | 0.992176872 |
| CNXL_057500 | CNK00280 hypothetical protein                                                | 0.241684559 | 0.586181879 |
| CNXL_057510 | CNK00290 hypothetical protein                                                | 0.157589618 | 0.789833850 |
| CNXL_057520 | CNK00300 hypothetical protein                                                | -0.101167971 | 0.857811508 |
| CNXL_057530 | CNK00320 hypothetical protein                                                | -0.298386828 | 0.433043689 |
| CNXL_057540 | CNK00330 hypothetical protein                                                | -0.797033974 | 0.042733719 |
| CNXL_057550 | CNK00340 hypothetical protein                                                | 0.036799311 | 0.963072147 |
| CNXL_057560 | CNK00350 hypothetical protein                                                | 0.161035194 | 0.813614656 |
| CNXL_057570 | CNK00360 hypothetical protein                                                | -0.167259456 | 0.779355929 |
| CNXL_057580 | CNK00370 hypothetical protein                                                | 0.341814927 | 0.365784664 |
| CNXL_057590 | CNK00380 hypothetical protein                                                | -0.367700644 | 0.340862224 |
| CNXL_057600 | CNK00390 hypothetical protein                                                | 0.319734651 | 0.394173740 |
| CNXL_057610 | CNK00400 hypothetical protein                                                | 0.002413280 | 0.996739329 |
| CNXL_057620 | CNK00410 hypothetical protein                                                | 0.171136419 | 0.779892494 |
| CNXL_057630 | CNK00420 hypothetical protein                                                | -0.334650251 | 0.504222021 |
| CNXL_057640 | CNK00430 hypothetical protein                                                | 0.167205667 | 0.755590901 |
| CNXL_057650 | CNK00440 hypothetical protein                                                | 1.213619352 | 0.000252585 |
| CNXL_057660 | CNK00450 hypothetical protein                                                | 0.752115911 | 0.005580501 |
| CNXL_057670 | CNK00460 hypothetical protein                                                | 0.006274979 | 0.993955674 |
| CNXL_057680 | CNK00470 hypothetical protein                                                | 0.646455307 | 0.062444654 |
| CNXL_057690 | CNK00480 hypothetical protein                                                | 0.760743741 | 0.012315571 |
| CNXL_057700 | CNK00490 hypothetical protein                                                | 0.560472084 | 0.067840292 |
| CNXL_057710 | CNK00500 hypothetical protein                                                | 0.607940384 | 0.261955879 |
| CNXL_057720 | CNK00510 hypothetical protein                                                | 0.347942046 | 0.334317092 |
| CNXL_057730 | CNK00520 hypothetical protein                                                | 0.156272184 | NA          |
| CNXL_057740 | CNK00530 hypothetical protein                                                | 1.325339401 | 0.363186613 |
| CNXL_057750 | CNK00540 hypothetical protein                                                | -0.091713019 | 0.884028948 |
| CNXL_057760 | CNK00550 hypothetical protein                                                | -0.285014353 | 0.608495206 |
| CNXL_057770 | CNK00560 hypothetical protein                                                | 0.218151167 | 0.713103489 |
| CNXL_057780 | CNK00570 hypothetical protein                                                | -0.337826193 | 0.555395578 |
| CNXL_057790 | CNK00580 hypothetical protein                                                | 0.097372808 | 0.991967870 |
| CNXL_057800 | CNK00590 hypothetical protein                                                | -0.349109242 | 0.681547537 |
| CNXL_057810 | CNK00600 hypothetical protein                                                | 0.823090486 | 0.037448032 |
| CNXL_057820 | CNK00610 hypothetical protein                                                | -0.297534333 | 0.575791977 |
| CNXL_057830 | CNK00620 hypothetical protein                                                | 0.297292171 | 0.518915642 |
| CNXL_057840 | CNK00630 hypothetical protein                                                | 0.208869063 | 0.691220257 |
| CNXL_057850 | CNK00640 hypothetical protein                                                | -0.098738009 | 0.897983797 |
| CNXL_057860 | CNK00650 hypothetical protein                                                | -0.441898504 | 0.488583556 |
| CNXL_057870 | CNK00660 hypothetical protein                                                | 0.870138902 | 0.011162740 |
| CNXL_057880 | CNK00670 hypothetical protein                                                | 0.271557318 | 0.527852637 |
| CNXL_057890 | CNK00680 hypothetical protein                                                | -0.218220846 | 0.623094586 |
| CNXL_057900 | CNK00690 hypothetical protein                                                | -0.812397935 | 0.105686013 |
| CNXL_057910 | CNK00700 hypothetical protein                                                | -0.271756433 | 0.568734545 |
| CNXL_057920 | CNK00710 hypothetical protein                                                | -0.060033387 | 0.934642219 |
| CNXL_057930 | CNK00720 hypothetical protein                                                | -0.480914434 | 0.422414274 |
| CNXL_057940 | CNK00730 hypothetical protein                                                | 0.046570561 | 0.954286695 |
| CNXL_057950 | CNK00740 hypothetical protein                                                | 0.586245757 | 0.127361287 |
| CNXL_057960 | CNK00750 hypothetical protein                                                | 0.173387703 | 0.734024208 |
| CNXL_057970 | CNK00760 hypothetical protein                                                | 0.009805262 | 0.991249466 |
| CNXL_057980 | CNK00770 hypothetical protein                                                | -0.015036272 | 0.986620478 |

**Note:** The values represent similarity scores or expressions related to the gene IDs referenced.
| Gene ID   | Log2 Fold Change | Description                        |
|----------|-----------------|------------------------------------|
| CNXL_058000 | 2.223145555      | 3-hydroxyisobutyrate dehydrogenase |
| CNXL_058000 | 0.341087099      | hypothetical protein               |
| CNXL_058010 | 0.124101736      | thioredoxin reductase GiT          |
| CNXL_058020 | -0.477156232     | hypothetical protein               |
| CNXL_058030 | -0.071073224     | hypothetical protein               |
| CNXL_058040 | -0.13153701      | hypothetical protein               |
| CNXL_058050 | -0.107292302     | hypothetical protein               |
| CNXL_058060 | 0.788862609      | endochitinase                      |
| CNXL_058070 | 1.176282298      | hypothetical protein               |
| CNXL_058080 | 0.819309273      | tartrate transporter               |
| CNXL_058090 | 0.528164977      | hypothetical protein               |
| CNXL_058100 | 0.532867976      | flavonol synthase                  |
| CNXL_058110 | 0.236965988      | hypothetical protein               |
| CNXL_058120 | 0.340677592      | hypothetical protein               |
| CNXL_058130 | 0.2938463        | hypothetical protein               |
| CNXL_058140 | 0.606142006      | hypothetical protein               |
| CNXL_058150 | 0.42900191       | DNA ligase 4                       |
| CNXL_058160 | 0.273769335      | 3-demethyliubiquinone-9 3-O-methyltransferase |
| CNXL_058170 | 0.230003661      | pol II transcription elongation factor |
| CNXL_058180 | 0.075400866      | hypothetical protein               |
| CNXL_058190 | 0.091988477      | prenylated SNARE protein Ykt6p     |
| CNXL_058200 | 0.384036425      | crossover junction endonuclease EME1 |
| CNXL_058210 | -1.064752086     | hypothetical protein               |
| CNXL_058220 | 0.280979826      | hypothetical protein               |
| CNXL_058230 | 0.777484473      | putative TFIID and saga complex component |
| CNXL_058240 | 0.440702475      | hypothetical protein               |
| CNXL_058250 | 0.619036373      | glutamate-tRNA ligase              |
| CNXL_058260 | 0.475899048      | hypothetical protein               |
| CNXL_058270 | 0.387238874      | 6-phosphogluconate dehydrogenase   |
| CNXL_058280 | 0.451970531      | hypothetical protein               |
| CNXL_058290 | 0.251721451      | glucose-6-phosphate 1-epimerase    |
| CNXL_058300 | 0.819825476      | hypothetical protein               |
| CNXL_058310 | 0.315502061      | ATP-binding cassette transporter   |
| CNXL_058320 | 0.066392538      | hypothetical protein               |
| CNXL_058330 | 0.064380477      | hypothetical protein               |
| CNXL_058340 | 0.110976022      | tip120-family protein              |
| CNXL_058350 | 0.109643929      | capsule-associated protein         |
| CNXL_058360 | 0.086159337      | polycarb protein e                 |
| CNXL_058370 | 0.117574378      | DNA ligase 4                       |
| CNXL_058380 | 1.091584845      | DNA repair protein Rad8            |
| CNXL_058390 | -0.094413466     | hypothetical protein               |
| CNXL_058400 | 0.384970476      | hypothetical protein               |
| CNXL_058410 | 0.202931013      | hypothetical protein               |
| CNXL_058420 | 0.198563521      | cytoplasmic protein                |
| CNXL_058430 | -0.338626529     | hypothetical protein               |
| CNXL_058440 | -0.022047903     | peptide chain release factor 1     |
| CNXL_058450 | 0.409682679      | nuclear protein                    |
| CNXL_058460 | 0.037387633      | sterol esterase                    |
| CNXL_058470 | -0.053164951     | hypothetical protein               |
| CNXL_058480 | 0.512242292      | hypothetical protein               |
| CNXL_058490 | 0.930631376      | hypothetical protein               |
| CNXL_058500 | -0.040411956     | hypothetical protein               |
| CNXL_058510 | 0.204066791      | origin recognition complex subunit 2 |
| CNXL_058520 | 0.77086269       | hypothetical protein               |
| CNXL_058530 | 0.000616408      | hypothetical protein               |
| CNXL_058540 | -0.154556708     | mitochondrial ATPase 1             |
| CNXL_058550 | -0.137884399     | DNA-directed RNA polymerase 1 subunit RPA43 |
| CNXL_058560 | -0.118742136     | subunit ribosomal protein S16      |
| Gene Symbol | Translation Product | Log2 Fold Change | Comments |
|-------------|---------------------|-----------------|----------|
| CNK01380    | Putative voltage-gated chloride channel | 0.207135959 | 0.636723305 hypothetical protein |
| CNK01390    | CNK01400 | -0.085812379 | 0.932765996 hypothetical protein |
| CNK01410    | -0.51474728 | 0.280743918 pyridoxal 5'-phosphate synthase |
| CNK01420    | -0.47729716 | 0.320878752 hypothetical protein |
| CNK01430    | -0.489902283 | 0.190652363 threonine ammonia-lyase |
| CNK01440    | -0.19354868 | 0.749039348 DNA polymerase epsilon catalytic subunit A |
| CNK01450    | 0.311992931 | 0.398174584 hypothetical protein |
| CNK01460    | -0.36954361 | 0.298784347 translation machinery-associated protein 20 |
| CNK01470    | 0.233765769 | 0.717347987 translation initiation factor 3 subunit G |
| CNK01480    | -0.098372707 | 0.874670769 Unknown |
| CNK01490    | -1.077284046 | 0.001379321 hypothetical protein |
| CNK01500    | 0.450367677 | 0.213024131 hypothetical protein |
| CNK01510    | 0.152364193 | 0.764330585 hypothetical protein |
| CNK01520    | 0.053774383 | 0.936507583 hypothetical protein |
| CNK01530    | 0.429844413 | 0.312160498 cysteine protease ATG4 |
| CNK01540    | -0.097501524 | 0.874846546 ribonucleoside-diphosphate reductase subunit M2 |
| CNK01550    | 0.614678566 | 0.128619972 Unknown |
| CNK01560    | 0.353384714 | 0.8768601 hypothetical protein |
| CNK01570    | -0.107246079 | 0.842339591 bud emergence protein 1 |
| CNK01580    | -0.130680395 | 0.794331499 pre-mRNA-splicing factor CEF1 |
| CNK01590    | 1.145202961 | 0.000762557 nonsense-mediated mRNA decay protein 3 |
| CNK01600    | -0.685123308 | 0.040033951 NAD dependent epimerase/dehydratase |
| CNK01610    | -0.188806518 | 0.787613279 hypothetical protein |
| CNK01620    | -0.367079965 | 0.453722961 CAMK/CAMKL/GIN4 protein kinase |
| CNK01630    | 0.119630232 | 0.817522625 hypothetical protein |
| CNK01640    | -1.696677576 | 0.000213456 cytoplasmic protein |
| CNK01650    | -0.35363782 | 0.5737945 hypothetical protein |
| CNK01660    | 0.13857152 | 0.787613279 mitochondrial distribution and morpholgy protein 31 |
| CNK01670    | -0.066941121 | 0.91726998 VPS15 protein kinase |
| CNK01680    | 0.266129576 | 0.512844952 hypothetical protein |
| CNK01690    | 0.213609238 | 0.6186691 hypothetical protein |
| CNK01700    | 1.280363263 | 0.374018226 hypothetical protein |
| CNK01710    | -0.063524367 | 0.918783065 hypothetical protein |
| CNK01720    | -0.070221561 | 0.93451582 cystathionine beta-lyase |
| CNK01730    | 0.401817091 | 0.535368933 hypothetical protein |
| CNK01740    | -0.491668665 | 0.135403173 hypothetical protein |
| CNK01750    | 0.645176959 | 0.109223771 hypothetical protein |
| CNK01760    | 0.9161941 | 0.04517704 pirin |
| CNK01770    | -0.154924193 | 0.869733568 Unknown |
| CNK01780    | 0.923514467 | 0.015173028 hypothetical protein |
| CNK01790    | 0.227298687 | 0.662151848 nitroreductase |
| CNK01800    | 0.808394482 | 0.297349189 hypothetical protein |
| CNK01810    | 0.094747446 | 0.879408311 hypothetical protein |
| CNK01820    | 0.251472187 | 0.577988443 hypothetical protein |
| CNK01830    | 0.667465906 | 0.055129994 exocyst protein |
| CNK01840    | 0.293168729 | 0.525959757 hypothetical protein |
| CNK01850    | -0.176494058 | 0.803833694 hypothetical protein |
| CNK01860    | -0.328843774 | 0.481606389 hypothetical protein |
| CNK01870    | 0.075528949 | 0.023709223 hypothetical protein |
| CNK01880    | -0.236218784 | 0.620923222 hypothetical protein |
| CNK01890    | 0.004244499 | 0.995735232 putative voltage-gated chloride channel |
| CNK01900    | 0.038250882 | 0.964414864 hypothetical protein |
| CNK01910    | 0.095724881 | 0.967206186 hypothetical protein |
| CNK01920    | -0.098810018 | 0.878034651 Unknown |
| CNK01930    | -0.114460281 | 0.862241311 prenylcysteine oxidase/farnesylcysteine lyase |
| Gene ID  | Description                                                                 | Gene ID  | Description                                                                 |
|---------|------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------|
| CNK01960| -0.061397461 small subunit ribosomal protein S19                               | CNK01970| -0.254777663 T-complex protein 1 subunit gamma                              |
| CNK01980| 0.213575219 Bud32 protein kinase                                               | CNK01990| -0.240599883 hypothetical protein                                           |
| CNK02000| 0.141144829 hypothetical protein                                              | CNK02010| 0.728365287 ornithine cyclodeaminase                                         |
| CNK02020| 0.207140485 26S proteasome non-ATPase regulatory subunit 10                    | CNK02030| -0.242400882 hexose transporter                                             |
| CNK02040| 0.156688502 chromatin remodeling complex ATPase                               | CNK02050| -0.167000287 hypothetical protein                                           |
| CNK02060| -0.172627146 hypothetical protein                                             | CNK02080| 0.203977953 hypothetical protein                                           |
| CNK02090| -0.084040199 hypothetical protein                                             | CNK02100| 0.348703289 hypothetical protein                                           |
| CNK02110| -0.488618335 prolactin regulatory element-binding protein                      | CNK02120| 1.169429659 solute carrier family 31                                        |
| CNK02130| 0.30037881 hypothetical protein                                               | CNK02140| 0.96933741 hypothetical protein                                             |
| CNK02150| 0.273724459 glutathione S-transferase                                         | CNK02160| -0.006183773 WD-repeat protein                                               |
| CNK02170| -0.191842745 TBC1 domain family member 5                                      | CNK02180| -0.576520901 Unknown                                                         |
| CNK02190| -0.069799304 [glutamine-hydrolyzing]                                          | CNK02200| 0.19604066 myo-inositol 2-dehydrogenase                                     |
| CNK02210| 0.356785426 cathepsin A                                                      | CNK02220| -0.2171477 hypothetical protein                                              |
| CNK02230| -0.408929847 molecular chaperone GrpE                                         | CNK02240| -0.384101382 histidine-lysine N-methyltransferase                          |
| CNK02250| -0.157099686 Unknown                                                         | CNK02260| 0.528467452 histidine-lysine N-methyltransferase                          |
| CNK02270| -0.149694998 large subunit ribosomal protein L3                              | CNK02280| 0.74637956 Unknown                                                          |
| CNK02290| 0.269769324 TRAMP complex associated poly                                     | CNK02300| 0.988999236                    |
| CNK02310| 0.354204396 hypothetical protein                                             | CNK02320| 0.232803768 hypothetical protein                                           |
| CNK02330| 1.200397208 0.858055094 hypothetical protein                                  | CNK02340| 0.120932459 glutathione S-transferase                                       |
| CNK02350| 0.153604784 methionine synthase                                               | CNK02360| 0.851659386 methionine synthase                                             |
| CNK02370| 0.82536453 0.023969976 RAD57 protein                                          | CNK02380| 0.822699E-05 hypothetical protein                                           |
| CNK02390| 1.45746024 3.22669E-05 hypothetical protein                                   | CNK02400| 0.822699E-05 hypothetical protein                                           |
| CNK02410| 0.87587495 0.879770554 hypothetical protein                                   | CNK02420| 0.879770554 hypothetical protein                                           |
| CNK02430| -0.919584265 general transcriptional repressor                                | CNK02440| 0.830440343 general transcriptional repressor                                |
| CNK02450| 0.109970902 0.876987041 Unknown                                              | CNK02460| 0.930990489                    |
| CNK02470| 0.065954041 0.930990489 Unknown                                              | CNK02480| 0.643890318 hypothetical protein                                           |
| CNK02490| 0.92332869 0.004007963 vacuolar amino acid transporter 5                      | CNK02500| 0.370317054 serine/threonine protein kinase                                  |
| CNK02510| 0.301037638 0.56683643 PLK/PLK1 protein kinase                               | CNK02520| 0.370317054 serine/threonine protein kinase                                  |
| CNK02530| 0.386041132 uroporphyrinogen-III synthase                                     | CNK02540| 0.370317054 serine/threonine protein kinase                                  |
| CNK02550| 0.441245399 signal transducer                                                 | CNK02560| 0.370317054 serine/threonine protein kinase                                  |
| CNK02570| 0.564942459 hypothetical protein                                             | CNK02580| 0.370317054 serine/threonine protein kinase                                  |
| CNK02590| 0.792174989 0.013797215 exocyst complex component                           | CNK02600| 0.370317054 serine/threonine protein kinase                                  |
| CNK02610| 1.147689451 0.002051794 NAD+ synthetase                                       | CNK02620| 0.370317054 serine/threonine protein kinase                                  |
| CNK02630| 0.080531259 hypothetical protein                                             | CNK02640| 0.370317054 serine/threonine protein kinase                                  |
| Gene ID  | protein Name                                                                 | Log2 Fold Change | q-value |
|---------|-----------------------------------------------------------------------------|------------------|---------|
| CNXL_059730 | mitochondrial protein                                                        | -0.621561834     | 0.063932376 |
| CNXL_059740 | ribonucleoside-diphosphate reductase subunit M2                             | -0.60598852      | 0.176093948 |
| CNXL_059750 | DNA mismatch repair protein MSH6                                             | 0.014295678      | 0.990703091 |
| CNXL_059760 | ribonuclease P protein subunit POP4                                          | -0.63087171      | 0.168452319 |
| CNXL_059770 | cytoskeletal regulatory protein binding protein                             | 0.682086298      | 0.015173028 |
| CNXL_059780 | hypothetical protein                                                          | 0.219159867      | 0.675584168 |
| CNXL_059790 | ubiquitin precursor                                                           | 0.495789094      | 0.199418778 |
| CNXL_059800 | alternative cyclin Pho80                                                      | 0.297126997      | 0.990703091 |
| CNXL_059810 | cytoskeletal regulatory protein binding protein                             | 0.105721826      | 0.6864136   |
| CNXL_059820 | hypothetical protein                                                          | 0.949878085      | 0.249751591 |
| CNXL_059830 | hypothetical protein                                                          | 0.274010327      | 0.637722771 |
| CNXL_059840 | hypothetical protein                                                          | 0.295967158      | 0.804701377 |
| CNXL_059850 | hypothetical protein                                                          | 0.263922859      | 0.497722658 |
| CNXL_059860 | hypothetical protein                                                          | 0.203345757      | 0.990703091 |
| CNXL_059870 | hypothetical protein                                                          | 0.187419606      | 0.779355929 |
| CNXL_059880 | hypothetical protein                                                          | 0.121676508      | 0.32541913 |
| CNXL_059890 | hypothetical protein                                                          | 0.263922859      | 0.85831771 |
| CNXL_059900 | hypothetical protein                                                          | 0.203345757      | 0.990703091 |
| CNXL_059910 | ATPase GET3                                                                 | 1.023411821      | 0.253865879 |
| CNXL_059920 | hypothetical protein                                                          | 0.101393223      | 0.990703091 |
| CNXL_059930 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_059940 | hypothetical protein                                                          | 0.697606707      | 0.000258781 |
| CNXL_059950 | hypothetical protein                                                          | 0.101393223      | 0.990703091 |
| CNXL_059960 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_059970 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_059980 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_059990 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060000 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060010 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060020 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060030 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060040 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060050 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060060 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060070 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060080 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060090 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060100 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060110 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060120 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060130 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060140 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060150 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060160 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060170 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060180 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060190 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060200 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060210 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060220 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060230 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060240 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060250 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060260 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060270 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060280 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060290 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |
| CNXL_060300 | hypothetical protein                                                          | 0.628991167      | 0.105729517 |

The table above lists various proteins and their log2 fold changes along with their corresponding q-values. The proteins are listed in order of decreasing log2 fold change, starting with the highest fold change. The q-values are used to determine the statistical significance of the fold changes, with lower values indicating greater significance.
| CNXL_060310 | CNK03070 | -0.28909633 | 0.51244137 C2H2 zinc finger protein |
|------------|---------|-------------|------------------|
| CNXL_060320 | CNK03080 | -0.19017476 | 0.787846251 C2H2 zinc finger protein Zas1A |
| CNXL_060330 | CNK03090 | -0.059673999 | 0.929814702 large subunit ribosomal protein L36 |
| CNXL_060340 | CNK03100 | -0.022396216 | 0.976006716 helicase |
| CNXL_060350 | CNK03110 | -1.00722682 | 0.001699856 large subunit ribosomal protein L23 |
| CNXL_060360 | CNK03120 | 0.016981385 | 0.986620478 prenyl protein peptidase |
| CNXL_060370 | CNK03130 | 0.163476501 | 0.838712696 transcription initiation factor TFIIID subunit 10 |
| CNXL_060380 | CNK03140 | -0.488677119 | 0.329732144 hypothetical protein |
| CNXL_060390 | CNK03150 | -1.656234957 | 4.13807E-06 sulfide:quinone oxidoreductase |
| CNXL_060400 | CNK03160 | 0.058484323 | 0.939627791 hypothetical protein |
| CNXL_060410 | CNK03170 | 0.143814242 | 0.795546334 Unknown |
| CNXL_060420 | CNK03170 | 0.386207515 | 0.299063218 Unknown |
| CNXL_060430 | CNK03180 | -0.497178639 | 0.224280017 transaldolase |
| CNXL_060440 | CNK03190 | 0.964907522 | 0.003502057 hypothetical protein |
| CNXL_060450 | CNK03190 | 0.423962381 | 0.337023834 hypothetical protein |
| CNXL_060460 | CNK03200 | -0.225345521 | 0.650959369 carbohydrate binding protein |
| CNXL_060470 | CNK03220 | 0.181769628 | 0.83170807 hypothetical protein |
| CNXL_060480 | CNK03230 | -0.017653368 | 0.981851244 hypothetical protein |
| CNXL_060490 | CNK03240 | -0.431202331 | 0.276590331 small subunit ribosomal protein S5 |
| CNXL_060500 | NK03260|CNK03260| 0.682998878 | 0.186490236 cytochrome c oxidase subunit 4 |
| CNXL_060510 | CNK03270 | 0.651906227 | 0.020338592 hypothetical protein |
| CNXL_060520 | CNK03290 | -0.011937248 | 0.991508881 hypothetical protein |
| CNXL_060530 | CNK03310 | -0.599610086 | 0.034407486 hypothetical protein |
| CNXL_060540 | CNK03320 | 0.061986152 | 0.927441884 hypothetical protein |
| CNXL_060550 | CNK03330 | -0.195161861 | 0.75185116 Unknown |
| CNXL_060560 | CNK03340 | -0.354828341 | 0.35231862 prephenate dehydrogenase |
| CNXL_060570 | CNK03350 | -0.017371381 | 0.986881191 V-type proton ATPase proteolipid subunit |
| CNXL_060580 | CNK03350 | 1.11054365 | 0.000518028 hypothetical protein |
| CNXL_060590 | CNK03360 | 0.020866484 | 0.980972278 short-chain dehydrogenase |
| CNXL_060600 | CNK03370 | 0.12299104 | 0.837479784 inositol-polyphosphate 5-phosphatase |
| CNXL_060610 | CNK03380 | -0.269350662 | 0.690272467 hypothetical protein |
| CNXL_060620 | CNK03380 | -0.237794031 | 0.626273098 hypothetical protein |
| CNXL_060630 | CNK03400 | -0.048757979 | 0.97076745 OTU domain-containing protein 6B |
| CNXL_060640 | CNK03410 | 0.909699398 | 0.007038182 hypothetical protein |
| CNXL_060650 | CNK03420 | -0.375674363 | 0.419557544 protein N-terminal amidase |
| CNXL_060660 | CNK03440 | -1.314573622 | 7.65019E-08 adenylate kinase 1 |
| CNXL_060670 | CNK03450 | 0.091640757 | 0.918701468 extensin |
| CNXL_060680 | CNK03460 | 0.556758564 | 0.120635533 tartrate transporter |
| CNXL_060690 | CNK03470 | 0.135186403 | 0.941187478 PQ enzyme repeat protein |
| CNXL_060700 | CNK03480 | 0.043880867 | 0.981240834 TPR repeat-containing protein |
| CNXL_060710 | CNK03490 | 0.640776567 | 0.083273575 Unknown |
| CNXL_060720 | CNK03490 | 0.76376419 | 0.007186919 V-type proton ATPase proteolipid subunit |
| CNXL_060730 | CNH03010 | -0.431220085 | 0.521085092 hypothetical protein |
| CNXL_060740 | CNH03000 | -0.20650919 | 0.667369665 branched-chain-aminoo-acid transaminase |
| CNXL_060750 | CNH02990 | -0.086471643 | 0.881190377 cell wall integrity protein scw1 |
| CNXL_060760 | CNH02980 | -0.274025476 | 0.519692797 myo-inositol transporter |
| CNXL_060770 | CNH02970 | -0.977035316 | 0.010733247 FACT complex subunit POB3 |
| CNXL_060780 | CNH02960 | -0.039041812 | NA hypothetical protein |
| CNXL_060790 | CNH02950 | -0.083211576 | 0.902229878 hypothetical protein |
| CNXL_060800 | CNH02950 | -0.269849554 | 0.581242232 L-iditol 2-dehydrogenase |
| CNXL_060810 | CNH02940 | 0.575858533 | 0.395242285 cytoplasmic protein |
| CNXL_060820 | CNH02930 | -0.274463284 | 0.744096790 hypothetical protein |
| CNXL_060830 | CNH02920 | 0.528696275 | 0.754263305 EF-hand calcium-binding protein |
| CNXL_060840 | CNH02910 | -0.063483080 | 0.912772876 hypothetical protein |
| CNXL_060850 | CNH02900 | 0.611566105 | 0.998542885 malate synthase |
| CNXL_060860 | CNH02890 | 0.041603689 | 0.961099251 cytoplasmic protein |
| CNXL_060870 | CNH02880 | 0.159260181 | 0.77059628 Unknown |
| CNXL_060880 | CNH02880 | 0.552734439 | 0.140677125 ubiquitin carboxyl-terminal hydrolase |
hypothetical protein
nuclear protein
unknown
ABC transporter
hypothetical protein
TPR repeat-containing protein
cleft lip and palate associated transmembrane protein
phosphatidylinositol glycan
1-pyrroline-5-carboxylate dehydrogenase
calpain-like protease palB/RIM13
indigoidine synthase A family protein
hypothetical protein
hypothetical protein
cysteine synthase A
hypothetical protein
class II topoisomerase A
hypothetical protein
hypothetical protein
ABC transporter
hypothetical protein
cytosolic protein
ATP-dependent DNA helicase PIF1
DEAD box family helicase
hypothetical protein
hypothetical protein
hypothetical protein
class II topoisomerase A

| Gene    | Log2 Fold Change | p-Value   | Description                                      |
|---------|-----------------|-----------|--------------------------------------------------|
| CNXL_061470 | 2.371626069     | 0.000176807 | nuclear transport factor 2                       |
| CNXL_061480 | 0.213032189     | 0.832551879 | hypothetical protein                             |
| CNXL_061490 | -0.098191944    | 0.868403117 | hypothetical protein                             |
| CNXL_061500 | -0.309343577    | 0.602461418 | sarcoplasmic/endoplasmic reticulum Ca2+-ATPase   |
| CNXL_061510 | -0.367867182    | 0.609326629 | hypothetical protein                             |
| CNXL_061520 | -0.371534409    | 0.472541632 | Unknown                                          |
| CNXL_061530 | -0.280935155    | 0.507813116 | hypothetical protein                             |
| CNXL_061540 | 0.55104993      | 0.205950327 | hypothetical protein                             |
| CNXL_061550 | 0.089893215     | 0.856364623 | hypothetical protein                             |
| CNXL_061560 | -0.266106653    | 0.47175555 | arf/Sar family protein                           |
| CNXL_061570 | 0.149612387     | 0.956685629 | ceramide glucosyltransferase                     |
| CNXL_061580 | 0.64790318      | 0.685932515 | hypothetical protein                             |
| CNXL_061590 | -0.167905052    | 0.789040329 | phosphatidylinositol glycan                      |
| CNXL_061600 | 0.897181558     | 0.003578481 | cytochrome c oxidase assembly protein subunit 17 |
| CNXL_061610 | -0.574983024    | 0.110523004 | hypothetical protein                             |
| CNXL_061620 | 0.057210197     | 0.936783812 | U3 small nucleolar RNA-associated protein 20     |
| CNXL_061630 | 0.666819889     | 0.061154988 | hypothetical protein                             |
| CNXL_061640 | 0.067787133     | 0.914338536 | hypothetical protein                             |
| CNXL_061650 | 0.110981784     | 0.879818060 | hypothetical protein                             |
| CNXL_061660 | -0.946473269    | 0.057123552 | hypothetical protein                             |
| CNXL_061670 | 0.55104993      | 0.205950327 | hypothetical protein                             |
| CNXL_061680 | -0.678058457    | 0.34469107 | serine-threonine protein phosphatase             |
| CNXL_061690 | 0.261862087     | 0.65959369 | hypothetical protein                             |
| CNXL_061700 | 0.897181558     | 0.003578481 | hypothetical protein                             |
| CNXL_061710 | 0.089718155     | 0.003578481 | hypothetical protein                             |
| CNXL_061720 | -0.574983024    | 0.110523004 | hypothetical protein                             |
| CNXL_061730 | 0.057210197     | 0.936783812 | U3 small nucleolar RNA-associated protein 20     |
| CNXL_061740 | 0.666819889     | 0.061154988 | hypothetical protein                             |
| CNXL_061750 | -0.050058104    | 0.942099307 | hypothetical protein                             |
| CNXL_061760 | -0.574983024    | 0.110523004 | hypothetical protein                             |
| CNXL_061770 | -0.678058457    | 0.34469107 | serine-threonine protein phosphatase             |
| CNXL_061780 | -0.050058104    | 0.942099307 | hypothetical protein                             |
| CNXL_061790 | -0.050058104    | 0.942099307 | hypothetical protein                             |
| CNXL_061800 | 0.29550045      | 0.54320631 | peroxin-10                                       |
| CNXL_061810 | -0.013565291    | 0.987964663 | class II histone deacetylase                     |
| CNXL_061820 | -0.013565291    | 0.987964663 | class II histone deacetylase                     |
| CNXL_061830 | -0.16532207     | 0.77733256 | hypothetical protein                             |
| CNXL_061840 | -2.180646168    | 5.68636E-12 | hypothetical protein                             |
| CNXL_061850 | 0.187601272     | 0.756597645 | serine/threonine protein kinase                  |
| CNXL_061860 | -0.156838666    | 0.77163303 | mitochondrial outer membrane protein             |
| CNXL_061870 | -0.06092224     | 0.912929878 | hypothetical protein                             |
| CNXL_061880 | -0.422990289    | 0.489809679 | large subunit ribosomal protein L7Ae             |
| CNXL_061890 | 0.557018876     | 0.27356460 | cytochrome b5                                    |
| CNXL_061900 | -0.219564009    | 0.63198337 | hypothetical protein                             |
| CNXL_061910 | -0.219564009    | 0.63198337 | hypothetical protein                             |
| CNXL_061920 | -0.00744587     | 0.993713943 | transcription activator snf2l1                   |
| CNXL_061930 | -0.661380972    | 0.024610412 | hypothetical protein                             |
| CNXL_061940 | 0.245215708     | 0.571422188 | hypothetical protein                             |
| CNXL_061950 | -0.110003038    | 0.848323288 | CMGC/CDK protein kinase                          |
| CNXL_061960 | -0.28974519     | 0.517950511 | hypothetical protein                             |
| CNXL_061970 | 0.182004513     | 0.746537956 | hypothetical protein                             |
| CNXL_061980 | 0.731760197     | 0.017843104 | bis                                               |
| CNXL_061990 | 0.017342299     | 0.950123903 | hypothetical protein                             |
| CNXL_062000 | 0.570358266     | 0.210328192 | kinase regulator                                  |
| CNXL_062010 | 0.570779171     | 0.044950679 | Unknown                                          |
| CNXL_062020 | 0.158418862     | 0.819555276 | DNA repair protein Rad18                          |
| CNXL_062030 | 0.190260555     | 0.761797019 | DNAJ-like cochaperone                            |

*CNXL_* and *CNH_* are genetic symbols specific to the organism this data is from.
| Gene   | CNHL | Expression | log2FoldChange | pValue | Description                                      |
|--------|------|------------|----------------|--------|-------------------------------------------------|
| CNXL_062050 | CNH01860 | -0.615756758 | 0.234630832 | hypothetical protein                            |
| CNXL_062060 | CNH01850 | 0.282427689 | 0.46380108 | hypothetical protein                            |
| CNXL_062070 | CNH01840 | -0.184242994 | 0.778158678 | putative pyridoxal reductase or aldo-keto reductase |
| CNXL_062080 | CNH01830 | 0.040316042 | 0.965966884 | hypothetical protein                            |
| CNXL_062090 | CNH01820 | 0.682139713 | 0.027361087 | hypothetical protein                            |
| CNXL_062100 | CNH01810 | -0.30702171 | 0.553323333 | DNA excision repair protein ERCC-4              |
| CNXL_062110 | CNH01800 | -0.105753148 | 0.899291941 | hypothetical protein                            |
| CNXL_062120 | CNH01790 | -0.2400293 | 0.765354566 | hypothetical protein                            |
| CNXL_062130 | CNH01780 | -0.439061469 | 0.380612963 | hypothetical protein                            |
| CNXL_062140 | CNH01770 | 0.168142413 | 0.782048054 | senataxin                                       |
| CNXL_062150 | CNH01760 | -0.218340892 | 0.659118995 | hypothetical protein                            |
| CNXL_062160 | CNH01750 | 0.665143992 | 0.059942113 | small subunit ribosomal protein S26              |
| CNXL_062170 | CNH01740 | -2.851037077 | 3.74008E-32 | glycogen storage control protein                |
| CNXL_062180 | CNH01730 | -3.075380315 | 4.40517E-43 | hypothetical protein                            |
| CNXL_062190 | CNH01720 | 0.456019508 | 0.172797548 | hypothetical protein                            |
| CNXL_062200 | CNH01710 | 0.005118756 | 0.995735232 | aldose reductase                                 |
| CNXL_062210 | CNH01700 | 0.38857589 | 0.403037151 | hypothetical protein                            |
| CNXL_062220 | CNH01690 | -0.811593664 | 0.044908745 | hypothetical protein                            |
| CNXL_062230 | CNH01680 | -0.141568722 | 0.781361786 | hypothetical protein                            |
| CNXL_062240 | CNH01670 | 0.419014367 | 0.39931559 | hypothetical protein                            |
| CNXL_062250 | CNH01660 | -0.498012674 | 0.273415774 | hypothetical protein                            |
| CNXL_062260 | CNH01650 | -0.36494257 | 0.576514302 | hypothetical protein                            |
| CNXL_062270 | CNH01640 | -0.091600838 | 0.886308648 | hypothetical protein                            |
| CNXL_062280 | CNH01630 | 0.048482298 | 0.935544021 | hypothetical protein                            |
| CNXL_062290 | CNH01620 | -0.622515499 | 0.927636535 | hypothetical protein                            |
| CNXL_062300 | CNH01610 | -0.451047339 | 0.298784347 | hypothetical protein                            |
| CNXL_062310 | CNH01600 | -0.504430933 | 0.461869386 | hypothetical protein                            |
| CNXL_062320 | CNH01590 | -0.81600838 | 0.886308648 | hypothetical protein                            |
| CNXL_062330 | CNH01580 | -0.029521501 | 0.996158838 | hypothetical protein                            |
| CNXL_062340 | CNH01570 | 0.003706561 | 0.927636535 | hypothetical protein                            |
| CNXL_062350 | CNH01560 | 0.048482298 | 0.935544021 | hypothetical protein                            |
| CNXL_062360 | CNH01550 | 0.383957599 | 0.298784347 | hypothetical protein                            |
| CNXL_062370 | CNH01540 | -0.169722922 | 0.837479784 | hypothetical protein                            |
| CNXL_062380 | CNH01530 | -0.16577081 | 0.77300142 | hypothetical protein                            |
| CNXL_062390 | CNH01520 | 0.32823637 | 0.415949769 | hypothetical protein                            |
| CNXL_062400 | CNH01510 | 0.32823637 | 0.415949769 | hypothetical protein                            |
| CNXL_062410 | CNH01500 | 0.32823637 | 0.415949769 | hypothetical protein                            |
| CNXL_062420 | CNH01490 | 0.32823637 | 0.415949769 | hypothetical protein                            |
| CNXL_062430 | CNH01480 | 0.195978683 | 0.719557989 | hypothetical protein                            |
| CNXL_062440 | CNH01470 | -0.169722922 | 0.837479784 | hypothetical protein                            |
| CNXL_062450 | CNH01460 | -0.16577081 | 0.77300142 | hypothetical protein                            |
| CNXL_062460 | CNH01450 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062470 | CNH01440 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062480 | CNH01430 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062490 | CNH01420 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062500 | CNH01410 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062510 | CNH01400 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062520 | CNH01390 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062530 | CNH01380 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062540 | CNH01370 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062550 | CNH01360 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062560 | CNH01350 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062570 | CNH01340 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062580 | CNH01330 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062590 | CNH01320 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062600 | CNH01310 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062610 | CNH01300 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| CNXL_062620 | CNH01290 | 0.32417165 | 0.557605672 | hypothetical protein                            |
| Gene ID     | Description                                               | Score 1 | Score 2 |
|------------|-----------------------------------------------------------|---------|---------|
| CNXL_062630| Unknown                                                   | -0.16588607 | 0.767511661 |
| CNXL_062640| hypothetical protein                                      | -0.25031029 | 0.710014173 |
| CNXL_062650| Unknown                                                   | 0.054375402 | 0.935785373 |
| CNXL_062660| rRNA                                                      | 0.037245826 | 0.963420993 |
| CNXL_062670| CAMKK/CAMKK-META protein kinase                           | 0.11888787 | 0.86171371 |
| CNXL_062680| hypothetical protein                                      | 0.627980359 | 0.112183936 |
| CNXL_062690| hypothetical protein                                      | 0.14512942 | 0.779355929 |
| CNXL_062700| hexokinase                                                | -0.111047822 | 0.863513463 |
| CNXL_062710| Fungal specific transcription factor                      | 0.054321939 | 0.963420993 |
| CNXL_062720| charged multivesicular body protein 2A                    | 0.128079221 | 0.848021859 |
| CNXL_062730| hypothetical protein                                      | -0.416001561 | 0.521768339 |
| CNXL_062740| protein disulfide-isomerase                              | 0.182203245 | 0.807491917 |
| CNXL_062750| hypothetical protein                                      | -0.052288885 | 0.947835086 |
| CNXL_062760| hypothetical protein                                      | 0.161574154 | 0.807290237 |
| CNXL_062770| hypothetical protein                                      | -0.052288885 | 0.947835086 |
| CNXL_062780| hypothetical protein                                      | 0.161574154 | 0.807290237 |
| CNXL_062790| hypothetical protein                                      | 0.44113658 | 0.424504154 |
| CNXL_062800| hypothetical protein                                      | -0.104022432 | 0.865614892 |
| CNXL_062810| hypothetical protein                                      | 1.072424789 | 0.540193794 |
| CNXL_062820| hypothetical protein                                      | 0.066785795 | 0.964144864 |
| CNXL_062830| hypothetical protein                                      | -1.898914353 | 3.53286E-15 |
| CNXL_062840| hypothetical protein                                      | 0.156865808 | 0.927504878 |
| CNXL_062850| hypothetical protein                                      | -0.258297231 | 0.512709888 |
| CNXL_062860| hypothetical protein                                      | 0.070640396 | 0.964144864 |
| CNXL_062870| hypothetical protein                                      | 0.189896061 | 0.72764662 |
| CNXL_062880| hypothetical protein                                      | 0.386271984 | 0.902669589 |
| CNXL_062890| hypothetical protein                                      | 0.120584812 | 0.865614892 |
| CNXL_062900| hypothetical protein                                      | 0.023113981 | 0.973737413 |
| CNXL_062910| hypothetical protein                                      | 0.266723677 | 0.727646662 |
| CNXL_062920| hypothetical protein                                      | 0.410097087 | 0.857954608 |
| CNXL_062930| hypothetical protein                                      | -0.173961175 | 0.61372863 |
| CNXL_062940| hypothetical protein                                      | -0.173961175 | 0.61372863 |
| CNXL_062950| hypothetical protein                                      | 0.189593933 | 0.800552138 |
| CNXL_062960| hypothetical protein                                      | -0.097616671 | 0.874803693 |
| CNXL_062970| hypothetical protein                                      | 0.023113981 | 0.973737413 |
| CNXL_062980| hypothetical protein                                      | 0.023113981 | 0.973737413 |
| CNXL_062990| hypothetical protein                                      | 0.023113981 | 0.973737413 |
| CNXL_063000| hypothetical protein                                      | -0.534461997 | 0.193111431 |
| CNXL_063010| hypothetical protein                                      | 1.200191116 | 2.21694E-05 |
| CNXL_063020| hypothetical protein                                      | 1.932266896 | 1.12508E-09 |
| CNXL_063030| hypothetical protein                                      | 1.416579146 | 0.004950976 |
| CNXL_063040| hypothetical protein                                      | -0.385948816 | 0.61372863 |
| CNXL_063050| hypothetical protein                                      | 0.386271984 | 0.405021185 |
| CNXL_063060| hypothetical protein                                      | 0.097616671 | 0.874803693 |
| CNXL_063070| hypothetical protein                                      | -0.227787054 | 0.779355929 |
| CNXL_063080| hypothetical protein                                      | -0.227787054 | 0.779355929 |
| CNXL_063090| hypothetical protein                                      | 0.362865681 | 0.927441884 |
| CNXL_063100| hypothetical protein                                      | 0.103723738 | 0.85480132 |
| CNXL_063110| hypothetical protein                                      | 0.192909115 | 0.983499434 |
| CNXL_063120| hypothetical protein                                      | 0.279632951 | 0.566540169 |
| CNXL_063130| hypothetical protein                                      | 0.689245667 | 0.031370426 |
| CNXL_063140| hypothetical protein                                      | 0.052314581 | 0.955072549 |
| CNXL_063150| hypothetical protein                                      | 0.014207507 | 0.985595171 |
| CNXL_063160| hypothetical protein                                      | -0.049574752 | 0.95072778 |
| CNXL_063170| hypothetical protein                                      | 0.24585517 | 0.62634497 |
| CNXL_063180| hypothetical protein                                      | -0.330225322 | 0.732149774 |
| CNXL_063190| hypothetical protein                                      | 0.942140893 | 0.008060010 |
| CNXL_063200| hypothetical protein                                      | 0.740269805 | 0.07127953 |

**Unknown**
| Gene ID | Description                                      | Score 1 | Score 2          |
|--------|--------------------------------------------------|---------|------------------|
| CNXL_063210 | myo-inositol transporter                        | -0.71737973 | 0.106221376       |
| CNXL_063220 | Unknown                                         | 0.594754462 | 0.086895363       |
| CNXL_063230 | C2H2 zinc finger transcription factor           | 0.352890111 | 0.417866535       |
| CNXL_063240 | Unknown                                         | -0.143708406 | 0.842044068       |
| CNXL_063250 | N-mycolic acid translocase                      | -0.225878952 | 0.656993267       |
| CNXL_063260 | putative TFIIID and saga complex component      | -3.125385204 | 2.34988E-20       |
| CNXL_063270 | Unknown                                         | -0.412957511 | 0.286496105       |
| CNXL_063280 | Unknown                                         | 0.107887704 | 0.843283188       |
| CNXL_063290 | Unknown                                         | 0.053670319 | 0.952658810       |
| CNXL_063300 | Unknown                                         | -0.657847339 | 0.047437309       |
| CNXL_063310 | Unknown                                         | 0.732047816 | 0.019085498       |
| CNXL_063320 | Unknown                                         | -0.18534688 | 0.190326365       |
| CNXL_063330 | Unknown                                         | -0.112650136 | 0.848021859       |
| CNXL_063340 | Unknown                                         | -0.352890111 | 0.417866535       |
| CNXL_063350 | Unknown                                         | -0.05202777 | 0.953095191       |
| CNXL_063360 | Unknown                                         | 1.229775712 | 0.35533E-06       |
| CNXL_063370 | Unknown                                         | -4.528117272 | 2.78808E-92       |
| CNXL_063380 | Unknown                                         | -0.157393206 | 0.746537956       |
| CNXL_063390 | Unknown                                         | 0.334570598 | 0.372306093       |
| CNXL_063400 | Unknown                                         | -0.460535214 | 0.272050531       |
| CNXL_063410 | Unknown                                         | -1.051935921 | 0.000301699       |
| CNXL_063420 | Unknown                                         | -0.132666928 | 0.844767986       |
| CNXL_063430 | Unknown                                         | 0.002501628 | 0.996833113       |
| CNXL_063440 | Cell cycle arrest protein BUB2                   | -0.035330313 | 0.969333741       |
| CNXL_063450 | Unknown                                         | -0.404342886 | 0.302177561       |
| CNXL_063460 | Unknown                                         | 0.336682761 | 0.432123334       |
| CNXL_063470 | Unknown                                         | -0.729507058 | 0.172380125       |
| CNXL_063480 | Unknown                                         | -0.29109383 | 0.520086668       |
| CNXL_063490 | Unknown                                         | 0.419512464 | 0.286316635       |
| CNXL_063500 | Unknown                                         | -0.03819714 | 0.964355617       |
| CNXL_063510 | Unknown                                         | -0.22984885 | 0.723024939       |
| CNXL_063520 | Unknown                                         | 0.418007835 | 0.370328273       |
| CNXL_063530 | Unknown                                         | 0.175445052 | 0.78773562        |
| CNXL_063540 | Unknown                                         | 0.461222698 | 0.196920936       |
| CNXL_063550 | Unknown                                         | -0.620134332 | 0.160833876       |
| CNXL_063560 | Unknown                                         | 0.177503153 | 0.160213488       |
| CNXL_063570 | Unknown                                         | 0.049425991 | 0.953145249       |
| CNXL_063580 | Unknown                                         | -0.584851386 | 0.260236668       |
| CNXL_063590 | Unknown                                         | 0.342851174 | 0.623549135       |
| CNXL_063600 | Unknown                                         | 0.222287577 | 0.661428948       |
| CNXL_063610 | Unknown                                         | 0.35963188 | 0.417588807       |
| CNXL_063620 | Unknown                                         | 0.463439336 | 0.202621105       |
| CNXL_063630 | Unknown                                         | 1.406370742 | 2.04358E-05       |
| CNXL_063640 | Unknown                                         | -0.240018351 | 0.638194665       |
| CNXL_063650 | Unknown                                         | 0.522737771 | 0.21653299        |
| CNXL_063660 | Unknown                                         | 0.106780108 | 0.870037788       |
| CNXL_063670 | Unknown                                         | 0.376066673 | 0.344162205       |
| CNXL_063680 | Unknown                                         | -0.860328833 | 0.002690396       |
| CNXL_063690 | Unknown                                         | 1.423831198 | 0.000192889       |
| CNXL_063700 | Unknown                                         | 0.336882761 | 0.432123334       |
| CNXL_063710 | Unknown                                         | 0.147011025 | 0.825693641       |
| CNXL_063720 | Unknown                                         | 0.368518905 | 0.45163285        |
| CNXL_063730 | Unknown                                         | 0.487377851 | 0.381984565       |
| CNXL_063740 | Unknown                                         | -0.384382521 | 0.633920399       |
| CNXL_063750 | Unknown                                         | 0.087641528 | 0.884028948       |
| CNXL_063760 | Unknown                                         | -0.260193288 | 0.671159595       |
| CNXL_063770 | Unknown                                         | 0.203028495 | 0.698369977       |
| CNXL_063780 | Unknown                                         | -1.748349561 | 2.11738E-09      |
| Gene Symbol | Description | Expression Value | Functional Category |
|-------------|-------------|------------------|---------------------|
| CNXL_064370 | SM00170| 0.437062442 U3 small nuclear RNA-associated protein 23 |
| CNXL_064380 | | 0.915837202 Unknown |
| CNXL_064390 | | 0.96580389 Unknown |
| CNXL_064400 | CNM00200 | 0.725078077 Unknown |
| CNXL_064410 | CNA04900 | 0.845033033 hypothetical protein |
| CNXL_064420 | CNM00220 | 0.2231022 hypothetical protein |
| CNXL_064430 | CNM00230 | 0.393551864 aldehyde dehydrogenase |
| CNXL_064440 | CNM00240 | 0.58959601 NADH-cytchrome b5 reductase 1 |
| CNXL_064450 | CNM00250 | 0.946722381 vacuolar protein |
| CNXL_064460 | | 0.312583829 hypothetical protein |
| CNXL_064470 | CNM00260 | 0.050491567 hypothetical protein |
| CNXL_064480 | CNM00270 | 0.81438536 hypothetical protein |
| CNXL_064490 | | 0.617084227 trans-aconitate 3-methyltransferase |
| CNXL_064500 | CNM00290 | 0.276547748 aryl-alcohol dehydrogenase |
| CNXL_064510 | CNM00300 | 0.909241115 aldehyde dehydrogenase |
| CNXL_064520 | CNM00310 | 6.92707E-07 hypothetical protein |
| CNXL_064530 | CNM00320 | 0.052938787 hypothetical protein |
| CNXL_064540 | CNM00330 | 0.890150525 GTPase activator |
| CNXL_064550 | CNM00340 | 0.312583829 hypothetical protein |
| CNXL_064560 | CNM00350 | 0.810102246 peroxin-14 |
| CNXL_064570 | CNM00360 | 0.52711067 aspartate aminotransferase |
| CNXL_064580 | CNM00370 | 0.995150076 hypothetical protein |
| CNXL_064590 | CNM00380 | 0.403618844 hypothetical protein |
| CNXL_064600 | CNM00390 | 0.909241115 aldehyde dehydrogenase |
| CNXL_064610 | CNM00400 | 0.909241115 hypothetical protein |
| CNXL_064620 | CNM00410 | 0.909241115 hypothetical protein |
| CNXL_064630 | CNM00440 | 0.85416549 Unknown |
| CNXL_064640 | | 0.595150076 hypothetical protein |
| CNXL_064650 | | 0.87913258 p53 family carbohydrate kinase superfamily |
| CNXL_064660 | CNM00460 | 0.140371229 Unknown |
| CNXL_064670 | CNM00470 | 0.995150076 hypothetical protein |
| CNXL_064680 | | 0.595150076 hypothetical protein |
| CNXL_064690 | CNM00480 | 0.848823288 Unknown |
| CNXL_064700 | NA | NA hypothetical protein |
| CNXL_064710 | NA | NA Unknown |
| CNXL_064720 | 0.248506283 Unknown |
| CNXL_064730 | 0.569492845 NA hypothetical protein |
| CNXL_064740 | 0.536950408 0.193620149 Unknown |
| CNXL_064750 | CNM00580 | 0.686488755 Unknown |
| CNXL_064760 | CNM00590 | 0.931173948 hypothetical protein |
| CNXL_064770 | CNM00600 | 0.081559791 GTP-binding protein ryh1 |
| CNXL_064780 | CNM00610 | 0.679255446 galactokinase |
| CNXL_064790 | CNM00620 | 0.616004825 galactose-1-phosphate uridy1 transferase |
| CNXL_064800 | CNM00630 | 0.686596966 MFS transporter |
| CNXL_064810 | CNM00640 | 0.863559696 MFS transporter |
| CNXL_064820 | CNM00650 | 0.828543224 hypothetical protein |
| CNXL_064830 | CNM00660 | 0.5913258 p53 family carbohydrate kinase superfamily |
| CNXL_064840 | CNM00670 | 0.887005373 hypothetical protein |
| CNXL_064850 | CNM00680 | 0.991133859 protein DGCR14 |
| CNXL_064860 | CNM00690 | 3.03959E-09 hypothetical protein |
| CNXL_064870 | CNM00700 | 0.13866828 hypothetical protein |
| CNXL_064880 | CNM00710 | 0.936783812 translation initiation factor 3 subunit E |
| CNXL_064890 | CNM00720 | 0.123590227 hypothetical protein |
| CNXL_064900 | CNM00730 | 0.267836766 inositol polyphosphate-5-phosphatase F |
| CNXL_064910 | CNM00740 | 0.814220979 nucleoside-diphosphate-sugar epimerase |
| CNXL_064920 | CNM00750 | 0.771763303 hypothetical protein |
| CNXL_064930 | CNM00760 | 0.771763303 hypothetical protein |
| CNXL_064940 | CNM00780 | 0.771763303 hypothetical protein |
| Accession | Gene Name                        | Description                                                                 |
|-----------|----------------------------------|-----------------------------------------------------------------------------|
| CNXL_064950 | CNM00790 | 0.24720277 0.632998683 hypothetical protein                                |
| CNXL_064960 | CNM00800 | 0.16796438 0.798976008 hypothetical protein                               |
| CNXL_064970 | CNM00810 | 0.241262326 0.570755994 Unknown                                          |
| CNXL_064980 | CNM00820 | -0.331462803 0.556511753 AAT family amino acid transporter               |
| CNXL_064990 | CNM00830 | -0.057523108 0.927441884 hypothetical protein                           |
| CNXL_065000 | CNM00840 | 1.420429452 3.22074E-05 chorismate mutase                              |
| CNXL_065010 | CNM00850 | 0.92132502 0.004007189 cytoplasmic protein                                |
| CNXL_065020 | CNM00860 | 0.241132047 0.635378645 hypothetical protein                              |
| CNXL_065030 | CNM00870 | 0.148654655 0.776955714 cytoplasmal protein                             |
| CNXL_065040 | CNM00880 | 0.271536387 0.613436396 mRNA export factor                               |
| CNXL_065050 | CNM00890 | -0.188508141 0.703818084 hypothetical protein                            |
| CNXL_065060 | CNM00900 | 0.030408969 0.972638293 proliferating cell nuclear antigen              |
| CNXL_065070 | CNM00910 | -0.12491458 0.855838021 inositol/phosphatidylinositol phosphatase        |
| CNXL_065080 | CNM00920 | -0.337257591 0.412831796 Unknown                                        |
| CNXL_065090 | CNM00930 | 0.002623856 0.997686984 glucose oxidase                                  |
| CNXL_065100 | CNM00940 | -0.285835383 0.510006134 Unknown                                        |
| CNXL_065110 | CNM00950 | -0.362631373 0.411990901 delayed-type hypersensitivity antigen          |
| CNXL_065120 | CNM00960 | 0.242419864 0.664165041 phospholipase B                                 |
| CNXL_065130 | CNM00970 | -0.095367118 0.902229878 CMGC/CDK/CDK8 protein kinase                   |
| CNXL_065140 | CNM00980 | -0.010997278 0.988641003 kinetochore protein Spc7/Spc105                 |
| CNXL_065150 | CNM00990 | -0.204836265 0.708500047 aspartate aminotransferase                     |
| CNXL_065160 | CNM01000 | -0.283761147 0.46380108 hypothetical protein                             |
| CNXL_065170 | CNM01010 | -0.331530725 0.437056582 cyclin 1                                       |
| CNXL_065180 | CNM01020 | -0.168249235 0.814514438 copII vesicle coat protein                    |
| CNXL_065190 | CNM01030 | -0.221072788 0.612359199 hypothetical protein                            |
| CNXL_065200 | CNM01040 | 0.295298026 0.453868281 large subunit ribosomal protein L13e             |
| CNXL_065210 | CNM01050 | -0.41269568 0.36733274 tricarboxylate carrier                          |
| CNXL_065220 | CNM01060 | 0.674757728 0.059232783 hypothetical protein                            |
| CNXL_065230 | CNM01070 | 0.582917931 0.562038835 glycosamine-6-phosphate deaminase               |
| CNXL_065240 | CNM01080 | 0.113083783 0.842339591 hypothetical protein                            |
| CNXL_065250 | CNM01090 | 0.794244286 0.00232079 hypothetical protein                             |
| CNXL_065260 | CNM01100 | 1.120810878 0.000297907 ADP                                            |
| CNXL_065270 | CNM01110 | -0.131925636 0.805915487 ADP                                           |
| CNXL_065280 | CNM01120 | -1.093193332 0.007760959 RNA binding protein                            |
| CNXL_065290 | CNM01130 | 0.472485525 0.593397075 hypothetical protein                            |
| CNXL_065300 | CNM01140 | 0.209125496 0.64118547 hypothetical protein                             |
| CNXL_065310 | CNM01150 | 0.301439812 0.434147477 chaperone regulator                           |
| CNXL_065320 | CNM01160 | 1.846888518 0.068693686 G protein beta subunit-like                     |
| CNXL_065330 | CNM01170 | 0.173445441 0.771763303 hypothetical protein                            |
| CNXL_065340 | CNM01180 | -0.474789511 0.279637638 hypothetical protein                            |
| CNXL_065350 | CNM01190 | -0.159329019 0.789076022 hypothetical protein                            |
| CNXL_065360 | CNM01200 | 0.387978868 0.271362906 hypothetical protein                            |
| CNXL_065370 | CNM01210 | -0.257624635 0.814220979 rab family protein                             |
| CNXL_065380 | CNM01220 | -0.55219536 0.219945567 acid phosphatase                               |
| CNXL_065390 | CNM01230 | -0.727988037 0.005522962 hypothetical protein                            |
| CNXL_065400 | CNM01240 | -0.08056106 0.916082462 hypothetical protein                            |
| CNXL_065410 | CNM01250 | -0.075589439 0.915791262 hypothetical protein                            |
| CNXL_065420 | CNM01260 | 0.150374751 0.829025438 hypothetical protein                            |
| CNXL_065430 | CNM01270 | 0.451005102 0.366302025 spermine transporter                           |
| CNXL_065440 | CNM01280 | 1.355727735 7.62605E-05 cardiolipin synthase                            |
| CNXL_065450 | CNM01290 | -0.023857133 0.981240834 hypothetical protein                            |
| CNXL_065460 | CNM01300 | -0.48276969 0.306457146 glyceral-1-phosphatase                         |
| CNXL_065470 | CNM01310 | -0.499779899 0.227067905 leucine-sRNA ligase                           |
| CNXL_065480 | CNM01320 | 0.003579465 0.995735232 elongation factor 1-alpha                      |
| CNXL_065490 | CNM01330 | 0.062063692 0.92070335 Pin2-interacting protein X1                     |
| CNXL_065500 | CNM01340 | -0.006261751 0.995735232 ribosome biogenesis protein NSA2              |
| CNXL_065510 | CNM01350 | 0.066696974 0.934677332 hypothetical protein                            |
| Gene ID     | Description                                                      | Log2 Fold | p-value  | Description                                      |
|------------|------------------------------------------------------------------|-----------|----------|--------------------------------------------------|
| CNM01360   | origin recognition complex subunit 4                            | -0.303     | 8.497E-09|                                                  |
| CNM01420   | alkylated DNA repair protein AlkB                               | -1.204     | 0.831     |                                                  |
| CNM01509   | hypothetical protein                                            | 0.890      | 0.441     |                                                  |
| CNM01520   | hypothetical protein                                            | -3.566     | 0.705     |                                                  |
| CNM01530   | hypothetical protein                                            | 0.185      | 0.732     |                                                  |
| CNM01540   | histidine kinase two-component system                           | 0.638      | 0.099     |                                                  |
| CNM01550   | hypothetical protein                                            | -0.089     | 0.890     |                                                  |
| CNM01560   | hypothetical protein                                            | 0.745      | 0.025     |                                                  |
| CNM01570   | hypothetical protein                                            | -0.912     | 0.889     |                                                  |
| CNM01580   | hypothetical protein                                            | 0.049      | 0.947     |                                                  |
| CNM01590   | hypothetical protein                                            | -0.573     | 0.107     |                                                  |
| CNM01600   | hypothetical protein                                            | -0.123     | 0.867     |                                                  |
| CNM01610   | hypothetical protein                                            | -3.656     | 3.750     |                                                  |
| CNM01620   | hypothetical protein                                            | 0.117      | 0.868     |                                                  |
| CNM01630   | hypothetical protein                                            | -0.022     | 0.978     |                                                  |
| CNM01640   | hypothetical protein                                            | -0.303     | 0.700     |                                                  |
| CNM01650   | hypothetical protein                                            | 0.023      | 0.982     |                                                  |
| CNM01660   | hypothetical protein                                            | 0.441      | 0.275     |                                                  |
| CNM01680   | hypothetical protein                                            | 0.408      | 0.955     |                                                  |
| CNM01690   | hypothetical protein                                            | 0.030      | 0.574     |                                                  |
| CNM01700   | hypothetical protein                                            | 0.321      | 0.589     |                                                  |
| CNM01710   | hypothetical protein                                            | 0.930      | 0.090     |                                                  |
| CNM01720   | hypothetical protein                                            | 0.356      | 0.326     |                                                  |
| CNM01730   | hypothetical protein                                            | 0.365      | 1.150     |                                                  |
| CNM01740   | hypothetical protein                                            | -0.348     | 0.498     |                                                  |
| CNM01760   | hypothetical protein                                            | -0.159     | 0.806     |                                                  |
| CNM01770   | hypothetical protein                                            | 0.091      | 0.881     |                                                  |
| CNM01780   | hypothetical protein                                            | 1.405      | 0.623     |                                                  |
| CNM01790   | hypothetical protein                                            | -1.466     | 2.900     |                                                  |
| CNM01800   | hypothetical protein                                            | 0.017      | 0.798     |                                                  |
| CNM01810   | hypothetical protein                                            | 0.081      | 0.881     |                                                  |
| CNM01820   | hypothetical protein                                            | 0.100      | 0.962     |                                                  |
| CNM01830   | hypothetical protein                                            | -0.188     | 0.979     |                                                  |
| CNM01840   | hypothetical protein                                            | -0.125     | 0.899     |                                                  |
| CNM01850   | hypothetical protein                                            | 0.682      | 0.042     |                                                  |
| CNM01860   | hypothetical protein                                            | 0.139      | 0.777     |                                                  |
| CNM01870   | hypothetical protein                                            | 0.009      | 0.991     |                                                  |
| CNM01880   | hypothetical protein                                            | 0.283      | 0.474     |                                                  |
| CNM01890   | hypothetical protein                                            | -0.044     | 0.962     |                                                  |
CNXL_066110  CNM01900  -1.200007382  1.98946E-05  N-acetylglucosamine-6-phosphate deacetylase
CNXL_066120  CNM01910  -0.291317201  0.535382959  hypothetical protein
CNXL_066130  CNM01920  -0.843053321  0.007897375  hypothetical protein
CNXL_066140  CNM01930  -0.736426224  0.560239377  protein kinase
CNXL_066150  CNM01940  -0.345779263  0.510006134  hypothetical protein
CNXL_066160  CNM01950  -0.002620938  0.996472611  hypothetical protein
CNXL_066170  CNM01960  -0.290405003  0.613272076  synaptosomal-associated protein
CNXL_066180  CNM01980  -0.475499954  0.227130642  hypothetical protein
CNXL_066190  CNM01990  0.154340067  0.781361786  nuclear DNA helicase II
CNXL_066200  CNM02000  0.827931582  0.014903874  hypothetical protein
CNXL_066210  CNM02010  -0.493174745  0.515753955  hypothetical protein
CNXL_066220  CNM02020  -1.675761528  1.50849E-11  Unknown
CNXL_066230  CNM02030  -0.286406719  0.591192608  hmg
CNXL_066240  CNM02040  0.338864692  0.325592399  high-affinity nicotinic acid transporter
CNXL_066250  CNM02050  0.012853267  0.988641003  pr4/barwin domain protein
CNXL_066260  CNM02070  -0.395055352  0.314609964  ATP-dependent RNA helicase DBP9
CNXL_066270  CNM02100  -0.039066071  0.951685063  heat shock 70kDa protein 4
CNXL_066280  CNM02110  -1.343136464  7.45229E-05  hypothetical protein
CNXL_066290  CNM02110  0.1143378  0.838837582  hypothetical protein
CNXL_066300  CNM02120  -0.083117067  0.918756814  protein phosphatase 2
CNXL_066310  CNM02120  0.808014855  0.005986128  hypothetical protein
CNXL_066320  CNM02120  0.741338775  0.064226952  hypothetical protein
CNXL_066330  CNM02120  -0.65321509  0.862938503  Unknown
CNXL_066340  CNM02150  -1.256675232  9.55461E-05  hypothetical protein
CNXL_066350  CNM02160  0.396629273  0.32332744  hypothetical protein
CNXL_066360  CNM02170  0.738314973  0.08079843  hypothetical protein
CNXL_066370  CNM02180  0.375987775  0.239372972  hypothetical protein
CNXL_066380  CNM02190  0.441680128  0.213849586  amidase
CNXL_066390  CNM02200  1.680099752  0.136935637  amyloid beta protein binding protein 1
CNXL_066400  CNM02230  0.26294442  0.539585872  allergen
CNXL_066410  CNM02240  -0.0081214  0.991437728  diphthamide biosynthesis protein 2
CNXL_066420  CNM02250  -0.126186884  0.83412415  large subunit ribosomal protein L32e
CNXL_066430  CNM02260  0.074920122  0.917446543  E3 SUMO-protein ligase PIAS1
CNXL_066440  CNM02280  0.747689795  0.830440343  nuclear distribution protein NudC homolog
CNXL_066450  CNM02270  -0.133229086  0.802877744  hypothetical protein
CNXL_066460  CNM02280  0.264161028  0.744893445  NADH dehydrogenase
CNXL_066470  CNM02290  0.31017519  0.648673823  fancomi-associated nuclease 1
CNXL_066480  CNM02290  -0.170795527  0.766858347  Unknown
CNXL_066490  CNM02300  0.242815948  0.619100215  MIF4G/MA4 domain-containing protein
CNXL_066500  CNM02310  -0.960341006  0.00081674  hypothetical protein
CNXL_066510  CNM02320  -0.250150649  0.527018595  hypothetical protein
CNXL_066520  CNM02330  0.968793816  0.00199355  large subunit ribosomal protein L13
CNXL_066530  CNM02340  0.067481269  0.964266166  transcription factor C subunit 7
CNXL_066540  CNM02360  0.019246134  0.982102702  Unknown
CNXL_066550  CNM02360  0.588079867  0.191629695  hypothetical protein
CNXL_066560  CNM02370  0.48328716  0.173210496  RNA exonuclease NGL2
CNXL_066570  CNM02380  1.756377501  5.23669E-05  YeeE/YedE family protein
CNXL_066580  CNM02400  0.406348236  0.361880264  glutathione S-transferase
CNXL_066590  CNM02400  -0.46791933  0.261498496  Unknown
CNXL_066600  CNM02410  -0.639507677  0.074787003  hypothetical protein
CNXL_066610  CNM02420  0.82463596  0.020570133  protein disulfide-isomerase
CNXL_066620  CNM02430  1.047169432  0.00080214  ferrooxidase/laccase
CNXL_066630  CNM02440  0.573823593  0.131030207  major iron permease
CNXL_066640  CNM02450  0.186714067  0.805361201  Unknown
CNXL_066650  CNM02450  0.453908114  0.205950327  Unknown
CNXL_066660  CNM02460  0.512421963  0.08995737  hypothetical protein
CNXL_066670  CNM02470  -0.329834986  0.535691088  hypothetical protein
CNXL_066680  CNM02480  0.269152284  0.633439709  hypothetical protein
| Protein Name                          | Log2 Fold Change | p-value     |
|--------------------------------------|-----------------|-------------|
| hypothetical protein                 | -0.550244561    | 0.12453995  |
| TIF31 protein                        | 0.784160478     | 0.00964821  |
| TauD                                | -0.559493903    | 0.17290645  |
| hypothetical protein                 | -0.147022616    | 0.83044034  |
| hypothetical protein                 | -0.05787663     | 0.94783508  |
| hypothetical protein                 | -0.219950078    | 0.62347296  |
| hypothetical protein                 | 0.170008728     | 0.74634743  |
| hypothetical protein                 | -0.05787663     | 0.94783508  |
| hypothetical protein                 | 0.266613884     | 0.49172264  |
| hypothetical protein                 | -0.21231333     | 0.86581573  |
| hypothetical protein                 | 0.747264741     | 0.05217294  |
| hypothetical protein                 | 0.612334576     | 0.05383581  |
| hypothetical protein                 | 0.154516285     | 0.79114706  |
| hypothetical protein                 | 0.292613302     | 0.53426632  |
| hypothetical protein                 | 0.21016857      | 0.63871406  |
| hypothetical protein                 | 0.404722852     | 0.37574554  |
| hypothetical protein                 | -0.122037552    | 0.49018328  |
| hypothetical protein                 | 0.087047493     | 0.89431799  |
| hypothetical protein                 | -0.197379223    | 0.69951235  |
| hypothetical protein                 | -0.07522972     | 0.90492405  |
| hypothetical protein                 | -0.117199985    | 0.91438356  |
| hypothetical protein                 | -1.900840889    | 0.38454954  |
| hypothetical protein                 | -0.140490794    | 0.79895415  |
| hypothetical protein                 | -0.121097022    | 0.86522532  |
| hypothetical protein                 | -0.6808868      | 0.05624298  |
| hypothetical protein                 | -0.42118464     | 0.38073497  |
| hypothetical protein                 | 0.011973148     | 0.98866225  |
| hypothetical protein                 | -0.040902574    | 0.96952786  |
| hypothetical protein                 | 0.047342135     | 0.95265881  |
| hypothetical protein                 | 0.201677044     | 0.93099469  |
| hypothetical protein                 | 0.243561773     | 0.80470137  |
| hypothetical protein                 | -0.139516369    | 0.79511334  |
| hypothetical protein                 | -0.658209132    | 0.19690667  |
| hypothetical protein                 | -0.304467385    | 0.50300042  |
| hypothetical protein                 | 0.425732688     | 0.23292550  |
| hypothetical protein                 | 0.277254641     | 0.48545954  |
| hypothetical protein                 | 0.479588978     | 0.16068418  |
| hypothetical protein                 | 0.003955469     | 0.99618838  |
| hypothetical protein                 | -0.167975676    | 0.84494381  |
| hypothetical protein                 | 0.621061458     | 0.06374201  |
| hypothetical protein                 | 0.606734632     | 0.25680870  |
| hypothetical protein                 | 0.292692285     | 0.43425607  |
| hypothetical protein                 | 0.145456604     | 0.78784625  |
| hypothetical protein                 | 0.330010161     | 0.35827271  |
| hypothetical protein                 | -0.218117048    | 0.60932662  |
| hypothetical protein                 | 0.156646617     | 0.81360127  |
| hypothetical protein                 | -0.14349418     | 0.79152899  |
| hypothetical protein                 | 0.245090638     | 0.66477135  |
| hypothetical protein                 | 0.877463412     | 0.00174646  |
| hypothetical protein                 | 0.175221275     | 0.77263899  |
| hypothetical protein                 | 0.200430901     | 0.88402894  |
| hypothetical protein                 | -4.778980815    | 5.701E-73   |
| hypothetical protein                 | -4.09622123     | 3.51575E-08 |
| hypothetical protein                 | 0.099358742     | 0.99150888  |
| hypothetical protein                 | 0.334059129     | 0.40951997  |
| Protein Description                  | Log2 Fold Change | P-Value |
|--------------------------------------|-----------------|---------|
| agc family protein kinase             | 1.345603454     | 0.005658E-06 |
| hypothetical protein                 | 0.407765094     | 0.0498121256 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| WD-repeat protein                    | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| hypothetical protein                 | 0.407765094     | 0.0032995581 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| hypothetical protein                 | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| hypothetical protein                 | 0.407765094     | 0.0032995581 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| hypothetical protein                 | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| hypothetical protein                 | 0.407765094     | 0.0032995581 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| hypothetical protein                 | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| hypothetical protein                 | 0.407765094     | 0.0032995581 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| hypothetical protein                 | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| hypothetical protein                 | 0.407765094     | 0.0032995581 |
| hypothetical protein                 | 0.326613406     | 0.0738137683 Unknown |
| hypothetical protein                 | 0.456961353     | 0.0372306093 Unknown |
| hypothetical protein                 | -2.059195751    | 0.151674873773737 |
| hypothetical protein                 | -3.3679543      | 0.102152715 Unknown |
| Gene ID | Description | Z-score | p-value |
|--------|-------------|---------|---------|
| CNN00840 | mitochondrial protein | 0.1727 | 0.7813 |
| CNN00860 | hypothetical protein | 0.3466 | 0.5340 |
| CNN00870 | hypothetical protein | 0.1545 | 0.8117 |
| CNN00880 | scavenger mRNA-decapping enzyme DcpS | 0.2023 | 0.6534 |
| CNN00890 | alcohol dehydrogenase | 0.0483 | 0.9482 |
| CNN00900 | 26S proteasome regulatory subunit N6 | 0.0653 | 0.9255 |
| CNN00910 | hypothetical protein | -0.3252 | 0.4350 |
| CNN00920 | nucleolar protein | 0.1480 | 0.7700 |
| CNN00930 | hypothetical protein | -0.0061 | 0.9943 |
| CNN00940 | derlin-2/3 | -1.2137 | 0.0004 |
| CNN00950 | protein kinase | -0.3678 | 0.4158 |
| CNN00960 | small nuclear RNA-associated protein 3 | 0.2042 | 0.7250 |
| CNN00970 | hypothetical protein | 0.4600 | 0.2554 |
| CNN00980 | geranylgeranyl transferase type-2 subunit alpha | -0.1000 | 0.8927 |
| CNN00990 | branched-chain-amino-acid aminotransferase | -0.9386 | 0.0085 |
| CNN01000 | guanine deaminase | 1.0275 | 0.0002 |
| CNN01010 | hypothetical protein | -0.2163 | 0.7060 |
| CNN01020 | mitotic spindle assembly checkpoint protein MAD2B | -1.1311 | 1.8550 |
| CNN01030 | malate dehydrogenase | 0.0303 | 0.9749 |
| CNN01040 | hypothetical protein | 0.0869 | 0.8979 |
| CNN01050 | hypothetical protein | 0.1761 | 0.7065 |
| CNN01060 | solute carrier family 25 | 0.3186 | 0.5729 |
| CNN01070 | hypothetical protein | -0.5899 | 0.1444 |
| CNN01080 | N-acetyltransferase 10 | 0.1858 | 0.7122 |
| CNN01090 | transcription initiation factor TFIIA large subunit | 0.3685 | 0.5100 |
| CNN01100 | hypothetical protein | -0.0017 | 0.9974 |
| CNN01110 | hypothetical protein | -0.3311 | 0.5192 |
| CNN01120 | cytoplasmic protein | 0.3746 | 0.3454 |
| CNN01130 | DNA repair protein RAD50 | 0.1021 | 0.8661 |
| CNN01140 | hypothetical protein | -0.2737 | 0.6346 |
| CNN01150 | hypothetical protein | 0.0292 | 0.9693 |
| CNN01160 | Cullin 1 | -4.7726 | 1.1494 |
| CNN01170 | hypothetical protein | -0.7276 | 0.0267 |
| CNN01180 | hypothetical protein | -0.1534 | 0.8697 |
| CNN01190 | hypothetical protein | -0.8695 | 0.5600 |
| CNN01200 | hypothetical protein | 0.7358 | 0.0337 |
| CNN01210 | hypothetical protein | 0.5800 | 0.1839 |
| CNN01220 | transcription initiation factor TFIH subunit 4 | 0.1899 | 0.8096 |
| CNN01230 | hypothetical protein | 1.9551 | 0.0190 |
| CNN01240 | hypothetical protein | 0.3603 | 0.3130 |
| CNN01250 | hypothetical protein | 0.7832 | 0.0056 |
| CNN01260 | SH3 domain-containing protein | -0.6804 | 0.0401 |
| CNN01270 | plasma membrane H | -2.0489 | 1.0626 |
| CNN01280 | hypothetical protein | -1.0536 | 0.0034 |
| CNN01290 | hypothetical protein | 0.1110 | 0.8550 |
| CNN01300 | 26S proteasome complex subunit DSS1 | 0.3402 | 0.6631 |
| CNN01310 | hypothetical protein | -0.1270 | 0.8336 |
| CNN01320 | hypothetical protein | -0.5304 | 0.0638 |
| CNN01330 | hypothetical protein | -0.0628 | 0.9428 |
| CNN01340 | hypothetical protein | -0.0653 | 0.9448 |
| CNN01350 | hypothetical protein | -0.3938 | 0.3893 |
| CNN01360 | cytochrome c oxidase subunit 7c | 0.1044 | 0.9206 |
| CNN01370 | hypothetical protein | 0.3091 | 0.7793 |
| CNN01380 | Unknown | 0.6750 | 0.0407 |
| CNN01390 | hypothetical protein | -1.7877 | 1.8280 |
| CNN01400 | hypothetical protein | 0.1133 | 0.8811 |
| CNN01410 | rRNA-processing protein EFG1 | -0.3242 | 0.5212 |
| CNN01420 | cytochrome c oxidase-assembly factor COX23 | 0.2005 | 0.6781 |
| Gene Name | Description |
|-----------|-------------|
| hypothetical protein | 0.100644601 |
| RNA-binding protein Musashi | 0.059729926 |
| Cu | -0.583565204 |
| hypothetical protein | 0.720075519 |
| hypothetical protein | 0.617207184 |
| acyl-CoA oxidase | 0.203452211 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| mitochondrion apiculus suppressor | 0.155857957 |
| hypothetical protein | 0.68453221 |
| DNA dependent ATPase | 0.15892726 |
| vacuolar membrane protein | 0.15892726 |
| benzodiazapine receptor | 0.68453221 |
| unknown | 0.15892726 |
| hypothetical protein | 0.050238467 |
| integral membrane protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
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| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| hypothetical protein | 0.050238467 |
| hypothetical protein | 0.2150948468 |
| hypothetical protein | 0.155857957 |
| hypothetical protein | 0.68453221 |
| hypothetical protein | 0.15892726 |
| CNXL_069010 | CNN02020 | 3.471121089 | NA | Unknown |
|------------|---------|------------|----|----------|
| CNXL_069020 | -1.000405275 | 0.667378962 | hypothetical protein |
| CNXL_069030 | -0.011201196 | NA | Unknown |
| CNXL_069040 | NA | NA | Unknown |
| CNXL_069050 | NA | NA | Unknown |
| CNXL_069060 | NA | NA | Unknown |
| CNXL_069070 | NA | NA | Unknown |
| CNXL_069080 | NA | NA | Unknown |
| CNXL_069090 | NA | NA | Unknown |
| CNXL_069100 | NA | NA | Unknown |
| CNXL_069110 | CNE03000 | 0 | NA | Unknown |
| CNXL_069120 | NA | NA | Unknown |
| CNXL_069130 | NA | NA | Unknown |
| CNXL_069140 | 0.382016958 | 0.940682674 | unknown |
| CNXL_069150 | CNN02040 | 0 | NA | Unknown |
| CNXL_069160 | NA | NA | Unknown |
| CNXL_069170 | CNN02060 | -0.088553222 | 0.910379167 | Unknown |
| CNXL_069180 | CNN02080 | -0.214519046 | 0.707559628 | hypothetical protein |
| CNXL_069190 | CNN02100 | 0.230847424 | 0.701325477 | hypothetical protein |
| CNXL_069200 | CNN02120 | -0.195035739 | 0.793559292 | hypothetical protein |
| CNXL_069210 | CNN02140 | -0.155282157 | 0.852156463 | putative chitin synthase |
| CNXL_069220 | CNN02160 | -0.580543874 | 0.167895669 | hypothetical protein |
| CNXL_069230 | CNN02180 | 0.720410915 | 0.098879563 | hypothetical protein |
| CNXL_069240 | CNN02200 | -0.230454681 | 0.782518595 | cold-induced thioredoxin domain-containing protein |
| CNXL_069250 | CNN02220 | -0.05622192 | 0.93471488 | Unknown |
| CNXL_069260 | CNN02240 | -0.339653879 | 0.534266327 | RNA exonuclease 1 |
| CNXL_069270 | CNN02260 | 0.189692096 | 0.785592376 | hypothetical protein |
| CNXL_069280 | CNN02280 | 0.702411015 | 0.098879563 | hypothetical protein |
| CNXL_069290 | CNN02070 | -0.214519046 | 0.707559628 | hypothetical protein |
| CNXL_069300 | CNN02090 | 0.230847424 | 0.701325477 | hypothetical protein |
| CNXL_069310 | CNN02110 | -0.195035739 | 0.793559292 | hypothetical protein |
| CNXL_069320 | CNN02130 | -0.200426607 | 0.791528992 | Unknown |
| CNXL_069330 | CNN02150 | -0.503395329 | 0.175215484 | cytoplasmic protein |
| CNXL_069340 | CNN02170 | 0.720410915 | 0.098879563 | hypothetical protein |
| CNXL_069350 | CNN02190 | 0.779500434 | 0.015173028 | hypothetical protein |
| CNXL_069360 | CNN02210 | -0.230454681 | 0.782518595 | cold-induced thioredoxin domain-containing protein |
| CNXL_069370 | CNN02230 | -0.03842283 | 0.954346886 | microsomal epoxide hydrolase |
| CNXL_069380 | CNN02250 | -0.53326871 | 0.43363696 | hypothetical protein |
| CNXL_069390 | CNN02270 | -0.200426607 | 0.791528992 | Unknown |
| CNXL_069400 | CNN02290 | 0.329859174 | 0.392352659 | solute carrier family 25 |
| CNXL_069410 | CNN02310 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069420 | CNN02330 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069430 | CNN02350 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069440 | CNN02370 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069450 | CNN02390 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069460 | CNN02410 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069470 | CNN02430 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069480 | CNN02450 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069490 | CNN02470 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069500 | CNN02490 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069510 | CNN02510 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069520 | CNN02530 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069530 | CNN02550 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069540 | CNN02570 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069550 | CNN02590 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069560 | CNN02610 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069570 | CNN02630 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069580 | CNN02650 | 0.320831774 | 0.42639861 | hypothetical protein |
| CNXL_069590 | CNN02420 | 0.46341876 | 0.24509521 | Unknown |
| CNXL_069600 | -0.175218052 | 0.906286943 | 0.462869438 | hypothetical protein |
| CNXL_069610 | 0.844181767 | 0.067063478 | Unknown |
| CNXL_069620 | 0.235790911 | 0.749315941 | Unknown |
| CNXL_069630 | 0.450392543 | 0.208087633 | hypothetical protein |
| CNXL_069640 | -0.552684865 | 0.802348605 | Unknown |
| CNXL_100010 | -0.595453786 | 0.66424166 | Unknown |
| CNXL_100020 | 0.446836922 | 0.529627838 | Unknown |
| CNXL_100030 | -0.065108245 | 0.947835086 | Unknown |
| CNXL_100040 | -1.901477791 | 0.471465563 | Unknown |
| CNXL_100050 | -1.114962269 | 0.222448802 | Unknown |
| CNXL_100060 | -1.896202063 | 0.010405914 | Unknown |
| CNXL_100070 | 0.907926789 | 0.190652363 | Unknown |
| CNXL_100080 | 0.870963277 | 0.157787273 | Unknown |
| CNXL_100090 | 0.380048331 | 0.520532844 | Unknown |
| CNXL_100100 | -0.191746839 | 0.934642219 | Unknown |
| CNXL_100110 | -0.093016085 | 0.953095191 | Unknown |
| CNXL_100120 | -0.235838142 | 0.837479784 | Unknown |
| CNXL_100130 | 0.752925258 | 0.794943165 | Unknown |
| CNXL_100140 | 1.57751656 | 0.451948103 | Unknown |
| CNXL_100150 | -0.633035932 | 0.14948103 | Unknown |
| CNXL_100160 | 1.045327819 | NA | Unknown |
| CNXL_100170 | 0.888324444 | 0.660924342 | Unknown |
| CNXL_100180 | 2.063195709 | 0.021162673 | Unknown |
| CNXL_100190 | 0.541171438 | 0.61372663 | Unknown |
| CNXL_100200 | -0.713517533 | 0.825693641 | Unknown |
| CNXL_100210 | -0.372350334 | 0.81842519 | Unknown |
| CNXL_100220 | 0.905432631 | 0.634021464 | Unknown |
| CNXL_100230 | -2.358814862 | 9.84115E-12 | Unknown |
| CNXL_100240 | 0.673727653 | 0.064066517 | Unknown |
| CNXL_100250 | -1.142148989 | 0.714943724 | Unknown |
| CNXL_100260 | -0.382946152 | 0.66150467 | Unknown |
| CNXL_100270 | -0.43920215 | 0.703985737 | Unknown |
| CNXL_100280 | 0.046918936 | 0.956372013 | Unknown |
| CNXL_100290 | 0.902794684 | 0.069009964 | Unknown |
| CNXL_100300 | 0.320440499 | 0.880063236 | Unknown |
| CNXL_100310 | 0.070945169 | 0.953095191 | Unknown |
| CNXL_100320 | 0.459220632 | 0.610994871 | Unknown |
| CNXL_100330 | 0.448306897 | 0.825693641 | Unknown |
| CNXL_100340 | 0.222836019 | 0.746537956 | Unknown |
| CNXL_100350 | -0.540973608 | 0.879688103 | Unknown |
| CNXL_100360 | -0.577259995 | 0.217998625 | Unknown |
| CNXL_100370 | -1.053564747 | 0.490579054 | Unknown |
| CNXL_100380 | -0.124187322 | 0.920704559 | Unknown |
| CNXL_100390 | 0.59075207 | 0.523588959 | Unknown |
| CNXL_100400 | 0.057904921 | 0.953095191 | Unknown |
| CNXL_100410 | 1.27190264 | 0.444166175 | Unknown |
| CNXL_100420 | -0.004894533 | 0.996472611 | Unknown |
| CNXL_100430 | -0.175055664 | 0.830005462 | Unknown |
| CNXL_100440 | -0.343228548 | 0.903834486 | Unknown |
| CNXL_100450 | 1.41635458 | 0.191477648 | Unknown |
| CNXL_100460 | 0.423798568 | 0.835748414 | Unknown |
| CNXL_100470 | -0.194889945 | 0.911130835 | Unknown |
| CNXL_100480 | 0.09832209 | 0.939400455 | Unknown |
| CNXL_100490 | 0.520386779 | 0.462504391 | Unknown |
| CNXL_100500 | 0.178709895 | 0.948286148 | Unknown |
| CNXL_100510 | 0.251091526 | 0.93451582 | Unknown |
| CNXL_100520 | 0.749192788 | 0.043973756 | Unknown |
| CNXL_100530 | 0.588217104 | 0.095579265 | Unknown |
| CNXL_100540 | 0.591966145 | 0.437056582 | Unknown |
| CNXL_100550 | -1.059504336 | 0.755380741 | Unknown |
| CNXL_100560 | -0.129954482 | 0.828216915 | Unknown |
| CNXL_100570 | NA | NA | Unknown |
| CNXL_100580 | 0.385239769 | 0.911130835 | Unknown |
| CNXL_100590 | 0.314026349 | 0.747332879 | Unknown |
| CNXL_100600 | 0.744152609 | 0.313788446 | Unknown |
| CNXL_100610 | -0.754189107 | 0.57381084 | Unknown |
| CNXL_100620 | 0.322029066 | 0.703818084 | Unknown |
| CNXL_100630 | -0.216387021 | 0.940348465 | Unknown |
| CNXL_100640 | 0.367264538 | 0.79934206 | Unknown |
| CNXL_100650 | 0.047113983 | 0.9653396 | Unknown |
| CNXL_100660 | 0.435739578 | 0.70958105 | Unknown |
| CNXL_100670 | 0.433459028 | 0.320923413 | Unknown |
| CNXL_100680 | -0.0151642 | NA | Unknown |
| CNXL_100690 | 0.84043394 | 0.01500056 | Unknown |
| CNXL_100700 | 1.490924927 | 1.9828E-05 | Unknown |
| CNXL_100710 | 0.518631194 | 0.730212038 | Unknown |
| CNXL_100720 | 0.095671528 | 0.985173026 | Unknown |
| CNXL_100730 | 0.235974617 | 0.933786064 | Unknown |
| CNXL_100740 | 0.753776156 | 0.191587554 | Unknown |
| CNXL_100750 | -1.83420033 | 0.415823204 | Unknown |
| CNXL_100760 | -0.048356281 | 0.976006716 | Unknown |
| CNXL_100770 | -0.674962848 | 0.496574337 | Unknown |
| CNXL_100780 | -0.575334597 | 0.77681674 | Unknown |
| CNXL_100790 | 0.036970199 | 0.97242592 | Unknown |
| CNXL_100800 | 0.204331937 | 0.838712696 | Unknown |
| CNXL_100810 | -0.523852723 | 0.884028948 | Unknown |
| CNXL_100820 | 0.066724353 | 0.987363046 | Unknown |
| CNXL_100830 | -0.134430566 | 0.967119205 | Unknown |
| CNXL_100840 | -0.032410163 | 0.964414684 | Unknown |
| CNXL_100850 | -0.031907695 | 0.995573232 | Unknown |
| CNXL_100860 | 8.228639892 | 1.14373E-46 | Unknown |
| CNXL_100870 | 0.820460865 | 0.227624637 | Unknown |
| CNXL_100880 | 2.090650363 | 1.41696E-05 | Unknown |
| CNXL_100890 | -0.618825246 | NA | Unknown |
| CNXL_100900 | -0.38196985 | 0.806051382 | Unknown |
| CNXL_100910 | 0.647079122 | 0.036770326 | Unknown |
| CNXL_100920 | 0.013214198 | 0.991133859 | Unknown |
| CNXL_100930 | 0.244117176 | 0.944879244 | Unknown |
| CNXL_100940 | 0.341138641 | 0.907031057 | Unknown |
| CNXL_100950 | 0.733474123 | 0.249969817 | Unknown |
| CNXL_100960 | -0.132096426 | 0.929435738 | Unknown |
| CNXL_100970 | -0.283509952 | 0.753324699 | Unknown |
| CNXL_100980 | -1.644945403 | 0.526368704 | Unknown |
| CNXL_100990 | -0.411274679 | 0.856469734 | Unknown |
| CNXL_101000 | 0.034665737 | 0.99216872 | Unknown |
| CNXL_101010 | 0.508645899 | 0.38882813 | Unknown |
| CNXL_101020 | 0.800164565 | 0.103195469 | Unknown |
| CNXL_101030 | -0.273716024 | 0.799344206 | Unknown |
| CNXL_101040 | -0.451312645 | 0.814220979 | Unknown |
| CNXL_101050 | -0.03944738 | 0.9653396 | Unknown |
| CNXL_101060 | -0.906585577 | 0.616439959 | Unknown |
| CNXL_101070 | -0.673501634 | 0.513365432 | Unknown |
| CNXL_101080 | 1.153585399 | 4.6492E-05 | Unknown |
| CNXL_101090 | -0.180652851 | 0.938291734 | Unknown |
| CNXL_101100 | 0.70864049 | 0.04517704 | Unknown |
|       |         |         |         |
|-------|---------|---------|---------|
| CNXL_101110 | -0.02144247 | 0.991542997 | Unknown |
| CNXL_101120 | -0.296383133 | 0.761025301 | Unknown |
| CNXL_101130 | 0.125674084 | 0.940348465 | Unknown |
| CNXL_101140 | 0.74504444 | 0.836995157 | Unknown |
| CNXL_101150 | -1.512926715 | 0.638356877 | Unknown |
| CNXL_101160 | 1.265836412 | 0.31398019 | Unknown |
| CNXL_101170 | -1.410275457 | NA | Unknown |
| CNXL_101180 | 0.160753709 | 0.919196787 | Unknown |
| CNXL_101190 | -0.705249756 | 0.209649074 | Unknown |
| CNXL_101200 | -0.830061685 | 0.405051915 | Unknown |
| CNXL_101210 | 0.209845581 | 0.886997541 | Unknown |
| CNXL_101220 | -0.130420034 | 0.13126328 | Unknown |
| CNXL_101230 | 1.36945441 | 0.452146814 | Unknown |
| CNXL_101240 | 0.556464206 | 0.779597836 | Unknown |
| CNXL_101250 | -1.403264241 | 0.098322722 | Unknown |
| CNXL_101260 | -1.233672907 | 0.764330585 | Unknown |
| CNXL_101270 | 3.87132284 | NA | Unknown |
| CNXL_101280 | 0.285896125 | 0.653396602 | Unknown |
| CNXL_101290 | -0.573789545 | 0.432824693 | Unknown |
| CNXL_101310 | -0.011201196 | NA | Unknown |
| CNXL_101320 | -0.596303222 | 0.823319274 | Unknown |
| CNXL_101330 | 0.054884839 | 0.972638293 | Unknown |
| CNXL_101340 | -4.2784827 | 0.000571402 | Unknown |
| CNXL_101350 | 0.377458243 | 0.536144787 | Unknown |
| CNXL_101360 | -2.192157905 | NA | Unknown |
| CNXL_101370 | -0.315248572 | 0.647485945 | Unknown |
| CNXL_101380 | -0.035279575 | 0.987082749 | Unknown |
| CNXL_101390 | -0.33654072 | 0.791311641 | Unknown |
| CNXL_101400 | 0.408724718 | 0.566713427 | Unknown |
| CNXL_101410 | -0.792135462 | 0.305504958 | Unknown |
| CNXL_101420 | 0.027537053 | 0.988662258 | Unknown |
| CNXL_101430 | -3.349742908 | 6.83541E-08 | Unknown |
| CNXL_101440 | -1.618959325 | NA | Unknown |
| CNXL_101450 | -0.163282867 | 0.949084374 | Unknown |
| CNXL_101460 | 0.765191784 | 0.030011523 | Unknown |
| CNXL_101470 | -0.275813219 | 0.842469317 | Unknown |
| CNXL_101480 | 1.003479637 | 0.636752734 | Unknown |
| CNXL_101490 | 0.446168981 | 0.317665528 | Unknown |
| CNXL_101500 | 0.321389164 | 0.865614892 | Unknown |
| CNXL_101510 | -0.023274474 | 0.992176872 | Unknown |
| CNXL_101520 | 0.674859674 | 0.724414078 | Unknown |
| CNXL_101530 | 1.658188062 | 5.06508E-11 | Unknown |
| CNXL_101540 | 1.049491252 | 0.396088679 | Unknown |
| CNXL_101550 | -3.27869864 | 0.321737211 | Unknown |
| CNXL_101560 | 0.470853096 | 0.55313399 | Unknown |
| CNXL_101570 | 0.335254478 | 0.81758113 | Unknown |
| CNXL_101580 | -2.400013879 | 5.94112E-09 | Unknown |
| CNXL_101590 | -0.829532145 | 0.651830672 | Unknown |
| CNXL_101600 | -0.139306368 | 0.923538002 | Unknown |
| CNXL_101610 | -0.073180217 | 0.969015029 | Unknown |
| CNXL_101620 | 1.003086096 | 0.017968291 | Unknown |
| CNXL_101630 | -3.653017084 | 5.06892E-18 | Unknown |
| CNXL_101640 | 0.038234709 | 0.981733632 | Unknown |
| CNXL_101650 | 0.640922859 | 0.681547537 | Unknown |
| CNXL_101660 | -0.118471249 | 0.953095191 | Unknown |
| CNXL_101670 | -0.807583573 | 0.495174856 | Unknown |
| CNXL_101680 | -2.364417376 | NA | Unknown |
| CNXL_102270 | 1.186139721 | 0.510006134 | Unknown |
| CNXL_102280 | -0.239430255 | 0.920668853 | Unknown |
| CNXL_102290 | 0.796407088 | 0.253430843 | Unknown |
| CNXL_102300 | -0.236473197 | 0.843283188 | Unknown |
| CNXL_102310 | -0.079884214 | 0.918701468 | Unknown |
| CNXL_102320 | -0.552584609 | 0.315529753 | Unknown |
| CNXL_102330 | 1.494211837 | 0.366888453 | Unknown |
| CNXL_102340 | 0.146564916 | 0.809612358 | Unknown |
| CNXL_102350 | -1.243227255 | 0.355756993 | Unknown |
| CNXL_102360 | 1.667060307 | NA | Unknown |
| CNXL_102370 | 0.171442402 | 0.810132107 | Unknown |
| CNXL_102380 | -2.340869333 | 2.58654E-14 | Unknown |
| CNXL_102390 | 0.146564916 | 0.809612358 | Unknown |
| CNXL_102400 | -0.561697299 | 0.884028948 | Unknown |
| CNXL_102410 | 3.117340962 | 1.47471E-27 | Unknown |
| CNXL_102420 | 2.248601138 | 0.061884046 | Unknown |
| CNXL_102430 | 0.742241478 | 0.621719666 | Unknown |
| CNXL_102440 | 0.937936211 | 0.819551095 | Unknown |
| CNXL_102450 | 0.742241478 | 0.621719666 | Unknown |
| CNXL_102460 | -1.411650781 | 0.701325477 | Unknown |
| CNXL_102470 | 0.636917788 | NA | Unknown |
| CNXL_102480 | -0.897930815 | 0.031370426 | Unknown |
| CNXL_102490 | 1.074082644 | 0.000415933 | Unknown |
| CNXL_102500 | -0.129048253 | 0.982102702 | Unknown |
| CNXL_102510 | 0.280693704 | 0.787481637 | Unknown |
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| CNXL_102610 | 0.580363956 | 0.615328522 | Unknown |
| CNXL_102620 | 0.55374168 | 0.681962222 | Unknown |
| CNXL_102630 | 0.181438711 | 0.915837202 | Unknown |
| CNXL_102640 | 0.769222266 | 0.081975892 | Unknown |
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| CNXL_102700 | 1.0034562 | NA | Unknown |
| CNXL_102710 | -2.050479304 | 0.003552024 | Unknown |
| CNXL_102720 | 0.295437019 | 0.848280332 | Unknown |
| CNXL_102730 | 0.917422523 | 0.536803217 | Unknown |
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| CNXL_102750 | 0.367561326 | 0.669854065 | Unknown |
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| CNXL_102780 | NA | NA | Unknown |
| CNXL_102790 | -0.971368603 | 0.392272337 | Unknown |
| CNXL_102800 | -1.697985407 | 0.073966817 | Unknown |
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| CNXL_102830 | 0.532007278 | 0.638378602 | Unknown |
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| CNXL_102980 | 1.564771686 | 0.000112916 | Unknown |
| CNXL_102990 | 0.21007424 | 0.78495956 | Unknown |
| CNXL_103000 | 0.840784837 | 0.256865157 | Unknown |
| CNXL_103010 | 0.059618805 | 0.946988179 | Unknown |
| CNXL_103020 | 3.075250752 | NA | Unknown |
| CNXL_103030 | 1.153454414 | 0.264480588 | Unknown |
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| CNXL_103110 | -0.019795949 | 0.970515325 | Unknown |
| CNXL_103120 | 1.677989917 | 0.003050422 | Unknown |
| CNXL_103130 | 3.075250752 | NA | Unknown |
| CNXL_103140 | -1.039245093 | 0.515160661 | Unknown |
| CNXL_103150 | -0.513174865 | 0.857811508 | Unknown |
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| 1          | CNXL_103430 | -0.296619396 | 0.902044607 | Unknown |
| 2          | CNXL_103440 | -1.254301523 | 0.36871262 | Unknown |
| 3          | CNXL_103450 | -1.704724775 | 0.77617E-07 | Unknown |
| 4          | CNXL_103460 | 0.530836268 | 0.669668055 | Unknown |
| 5          | CNXL_103470 | 3.781244399 | NA | Unknown |
| 6          | CNXL_103480 | -2.498680965 | 0.003784105 | Unknown |
| 7          | CNXL_103490 | 0.042053553 | 0.96871262 | Unknown |
| 8          | CNXL_103500 | -0.716956458 | 0.031508937 | Unknown |
| 9          | CNXL_103510 | -0.074259598 | 0.928525448 | Unknown |
| 10         | CNXL_103520 | -1.539197468 | NA | Unknown |
| 11         | CNXL_103530 | 0.636006738 | NA | Unknown |
| 12         | CNXL_103540 | -1.02747087 | 0.072256421 | Unknown |
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| 14         | CNXL_103560 | 0.100262355 | NA | Unknown |
| 15         | CNXL_103570 | 2.510226638 | 0.244955281 | Unknown |
| 16         | CNXL_103580 | 1.171496571 | 0.431497115 | Unknown |
| 17         | CNXL_103590 | 0.194481693 | 0.925141393 | Unknown |
| 18         | CNXL_103600 | 0.414707387 | 0.50422021 | Unknown |
| 19         | CNXL_103610 | 0.341096754 | 0.746347427 | Unknown |
| 20         | CNXL_103620 | 0.494780647 | 0.779687006 | Unknown |
| 21         | CNXL_103630 | 0.757048782 | 0.39417374 | Unknown |
| 22         | CNXL_103640 | -0.516404071 | 0.83524976 | Unknown |
| 23         | CNXL_103650 | 1.590175167 | 0.336746765 | Unknown |
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| 30         | CNXL_103720 | -1.13113568 | 0.151765096 | Unknown |
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| 33         | CNXL_103750 | 0.697042167 | 0.570636005 | Unknown |
| 34         | CNXL_103760 | 0.708904999 | 0.617732365 | Unknown |
| 35         | CNXL_103770 | 1.180762621 | 0.000234613 | Unknown |
| 36         | CNXL_103780 | -0.061046201 | 0.975403222 | Unknown |
| 37         | CNXL_103790 | 1.484927388 | NA | Unknown |
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| 46         | CNXL_103880 | 0.151066514 | 0.879214963 | Unknown |
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| 49         | CNXL_103910 | 0.485529758 | 0.670072271 | Unknown |
| 50         | CNXL_103920 | 0.425575178 | 0.703985737 | Unknown |
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| 57         | CNXL_103990 | -0.639334983 | 0.806051382 | Unknown |
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| CNXL_104010 | 0.457913497 | 0.190906707 | Unknown  |
| CNXL_104020 | -0.155238820 | 0.968757042 | Unknown  |
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| CNXL_104120 | -1.936608603 | 0.189297101 | Unknown  |
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| CNXL_104220 | 0.002888388 | 0.997686984 | Unknown  |
| CNXL_104230 | 0.441845132 | 0.911128506 | Unknown  |
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| CNXL_105870   | -0.3758787       | 0.753998183      | Unknown             |
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| CNXL_106020   | 0.259865225      | 0.545597137      | Unknown             |
| CNXL_106030   | 0.018738257      | 0.991225434      | Unknown             |
| CNXL_106040   | 0.876153523      | 0.006520316      | Unknown             |
| CNXL_106050   | 1.249887201      | 0.525585172      | Unknown             |
| CNXL_106060   | 0.294059728      | 0.930994697      | Unknown             |
| CNXL_106070   | 0.540340694      | 0.367879589      | Unknown             |
| CNXL_106080   | -0.038679185     | 0.964076726      | Unknown             |
| CNXL_106090   | -0.071842035     | 0.951498478      | Unknown             |
| CNXL_106100   | -0.175023218     | 0.891088304      | Unknown             |
| CNXL_106110   | -0.365988862     | 0.935317161      | Unknown             |
| CNXL_106120   | -0.404588386     | 0.885831771      | Unknown             |
| CNXL_106130   | -2.023694566     | 0.561684603      | Unknown             |
| CNXL_106140   | -0.094120676     | 0.981569994      | Unknown             |
| CNXL_106150   | 0.752171486      | 0.260596728      | Unknown             |
| CNXL_106160   | 2.409318079      | NA               | Unknown             |
| CNXL_106170   | 0.708697583      | 0.703818084      | Unknown             |
| CNXL_106180   | 0.506920977      | 0.597680886      | Unknown             |
| CNXL_106190   | 0.035351675      | 0.983931833      | Unknown             |
| CNXL_106200   | 1.243017401      | 0.231753223      | Unknown             |
| CNXL_106210   | 1.271595866      | 0.365148238      | Unknown             |
| CNXL_106220   | 0.127261943      | 0.842395951      | Unknown             |
| CNXL_106230   | 0.325163942      | 0.515355372      | Unknown             |
| CNXL_106240   | 0.988051858      | 0.280743918      | Unknown             |
| CNXL_106250   | -0.420849554     | 0.705782303      | Unknown             |
| CNXL_106260   | -0.600282012     | 0.862102025      | Unknown             |
| CNXL_106270   | -2.364417376     | NA               | Unknown             |
| CNXL_106280   | 0.118765965      | 0.885449489      | Unknown             |
| CNXL_106290   | 0.950628114      | 0.77138893       | Unknown             |
| CNXL_106300   | 0.787468843      | 0.335799997      | Unknown             |
| CNXL_106310   | -2.159644313     | 0.007904957      | Unknown             |
| CNXL_106320   | 0.189951649      | 0.779355929      | Unknown             |
| CNXL_106330 | 1.302063604 | 2.06459E-05 | Unknown |
| CNXL_106340 | -0.127675022 | 0.961131838 | Unknown |
| CNXL_106350 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106360 | 0.704113906 | NA | Unknown |
| CNXL_106370 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106380 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106390 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106400 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106410 | 0.704113906 | NA | Unknown |
| CNXL_106420 | -0.127675022 | 0.961131838 | Unknown |
| CNXL_106430 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106440 | 0.704113906 | NA | Unknown |
| CNXL_106450 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106460 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106470 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106480 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106490 | 0.704113906 | NA | Unknown |
| CNXL_106500 | -0.127675022 | 0.961131838 | Unknown |
| CNXL_106510 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106520 | 0.704113906 | NA | Unknown |
| CNXL_106530 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106540 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106550 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106560 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106570 | 0.704113906 | NA | Unknown |
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| CNXL_106590 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106600 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106610 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106620 | 0.704113906 | NA | Unknown |
| CNXL_106630 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106640 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106650 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106660 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106670 | 0.704113906 | NA | Unknown |
| CNXL_106680 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106690 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106700 | 0.704113906 | NA | Unknown |
| CNXL_106710 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106720 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106730 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106740 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106750 | 0.704113906 | NA | Unknown |
| CNXL_106760 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106770 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106780 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106790 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106800 | 0.704113906 | NA | Unknown |
| CNXL_106810 | -0.931366331 | 0.383250999 | Unknown |
| CNXL_106820 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106830 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106840 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106850 | 0.704113906 | NA | Unknown |
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| CNXL_106870 | -0.364215292 | 0.819989759 | Unknown |
| CNXL_106880 | -0.539988632 | 0.961131838 | Unknown |
| CNXL_106890 | 0.743462484 | 0.005077052 | Unknown |
| CNXL_106900 | 0.704113906 | NA | Unknown |
|                   |                  |                  |         |   |
|-------------------|-----------------|-----------------|---------|---|
| CNXL_108070       | 1.844934233     | 3.70266E-05     | Unknown |
| CNXL_108080       | 0.309604226     | 0.664916835     | Unknown |
| CNXL_108090       | 0.117823457     | NA              | Unknown |
| CNXL_108100       | 0.310929352     | 0.893955723     | Unknown |
| CNXL_108110       | -0.091045341    | 0.934402446     | Unknown |
| CNXL_108120       | 0.258942445     | 0.826907872     | Unknown |
| CNXL_108130       | -0.103863676    | 0.970515325     | Unknown |
| CNXL_108140       | 0.293865115     | 0.673672625     | Unknown |
| CNXL_108150       | 0.117823457     | NA              | Unknown |
| CNXL_108160       | -0.630836341    | 0.564057694     | Unknown |
| CNXL_108170       | 0.541877083     | 0.280284344     | Unknown |
| CNXL_108180       | 1.606039355     | 5.52776E-06     | Unknown |
| CNXL_108190       | -1.45490775     | 0.695259807     | Unknown |
| CNXL_108200       | -0.029139839    | 0.989960346     | Unknown |
| CNXL_108210       | 0.121990848     | 0.865015851     | Unknown |
| CNXL_108220       | 0.502653893     | 0.183546741     | Unknown |
| CNXL_108230       | 0.624476472     | 0.700912881     | Unknown |
| CNXL_108240       | 0.251970951     | 0.743629931     | Unknown |
| CNXL_108250       | 0.048860972     | 0.972638293     | Unknown |
| CNXL_108260       | 1.224220476     | 0.007280287     | Unknown |
| CNXL_108270       | 0.404426679     | 0.865015851     | Unknown |
| CNXL_108280       | 0.959954001     | 0.219993648     | Unknown |
| CNXL_108290       | 1.075298236     | 0.495174856     | Unknown |
| CNXL_108300       | -0.006342664    | 0.996374193     | Unknown |
| CNXL_108310       | 0.948543658     | 0.742187954     | Unknown |
| CNXL_108320       | 0.166853671     | 0.817410012     | Unknown |
| CNXL_108330       | 0.322851018     | 0.716869545     | Unknown |
| CNXL_108340       | 0.453782763     | 0.840322617     | Unknown |
| CNXL_108350       | -1.413980406    | 0.508841455     | Unknown |
| CNXL_108360       | -1.05033367     | 0.633915651     | Unknown |
| CNXL_108370       | 0.499108388     | 0.751851116     | Unknown |
| CNXL_108380       | -0.802462765    | 0.062177955     | Unknown |
| CNXL_108390       | -0.645770982    | 0.432050869     | Unknown |
| CNXL_108400       | 0.116253923     | 0.980730226     | Unknown |
| CNXL_108410       | -1.330752087    | NA              | Unknown |
| CNXL_108420       | 0.055216406     | 0.950738066     | Unknown |
| CNXL_108430       | -1.178944225    | 0.762405378     | Unknown |
| CNXL_108440       | 0.397926644     | 0.746537956     | Unknown |
| CNXL_108450       | -0.297108092    | 0.585026888     | Unknown |
| CNXL_108460       | 0.841772328     | 0.022790785     | Unknown |
| CNXL_108470       | -0.208621528    | 0.90384925      | Unknown |
| CNXL_108480       | 0.205007257     | 0.850747333     | Unknown |
| CNXL_108490       | 0.006166066     | 0.996472611     | Unknown |
| CNXL_108500       | 0.71697069      | 0.381984565     | Unknown |
| CNXL_108510       | 0.936306843     | 0.116106378     | Unknown |
| CNXL_108520       | 1.162017411     | 0.172864329     | Unknown |
| CNXL_108530       | -0.483230591    | 0.814730279     | Unknown |
| CNXL_108540       | -0.158866285    | 0.93760092      | Unknown |
| CNXL_108550       | -0.199370703    | 0.782678074     | Unknown |
| CNXL_108560       | 0.480758714     | 0.654601802     | Unknown |
| CNXL_108570       | -2.978804168    | NA              | Unknown |
| CNXL_108580       | -0.904871462    | 0.001830484     | Unknown |
| CNXL_108590       | -0.759388852    | 0.672235027     | Unknown |
| CNXL_108600       | 0.401544528     | 0.378967325     | Unknown |
| CNXL_108610       | 0.364696941     | 0.732619483     | Unknown |
| CNXL_108620       | 2.721506531     | NA              | Unknown |
| CNXL_108630       | 0.519759463     | NA              | Unknown |
| CNXL_108640       | 1.21868542      | 0.779687006     | Unknown |
| CNXL_108650 | 0.111604259 | 0.876987041 | Unknown |
| CNXL_108660 | -1.210194364 | 0.771244855 | Unknown |
| CNXL_108670 | 0.289336552 | 0.920669589 | Unknown |
| CNXL_108680 | 0.691260933 | 0.030574464 | Unknown |
| CNXL_108690 | 0.020123152 | 0.992176872 | Unknown |
| CNXL_108700 | -0.407827142 | 0.803866606 | Unknown |
| CNXL_108710 | 0.922016344 | 0.741662589 | Unknown |
| CNXL_108720 | -0.279053689 | 0.90229878 | Unknown |
| CNXL_108730 | 1.698929902 | 0.373482965 | Unknown |
| CNXL_108740 | 1.13088761 | 0.741662589 | Unknown |
| CNXL_108750 | -0.35126538 | 0.816572532 | Unknown |
| CNXL_108760 | 0.959789441 | 0.06544494 | Unknown |
| CNXL_108770 | 0.922016344 | 0.741662589 | Unknown |
| CNXL_108780 | 0.002769809 | 0.996833113 | Unknown |
| CNXL_108790 | -1.18667078 | 0.168034195 | Unknown |
| CNXL_108800 | 0.320345561 | 0.62478162 | Unknown |
| CNXL_108810 | 0.596750353 | 0.12934688 | Unknown |
| CNXL_108820 | 0.691260933 | 0.030574464 | Unknown |
| CNXL_108830 | -0.902749356 | 0.06204509 | Unknown |
| CNXL_108840 | -0.056230088 | 0.983980369 | Unknown |
| CNXL_108850 | -0.35126538 | 0.816572532 | Unknown |
| CNXL_108860 | 0.922016344 | 0.741662589 | Unknown |
| CNXL_108870 | -0.279053689 | 0.90229878 | Unknown |
| CNXL_108880 | 1.698929902 | 0.373482965 | Unknown |
| CNXL_108890 | 0.232895808 | 0.803833694 | Unknown |
| CNXL_108900 | 0.508287136 | 0.417588087 | Unknown |
| CNXL_108910 | 0.383657204 | 0.392543229 | Unknown |
| CNXL_108920 | 0.201002565 | 0.907585192 | Unknown |
| CNXL_108930 | 0.232895808 | 0.803833694 | Unknown |
| CNXL_108940 | 0.427149473 | NA | Unknown |
| CNXL_108950 | -0.424599993 | 0.756597645 | Unknown |
| CNXL_108960 | -0.752024769 | 0.734629931 | Unknown |
| CNXL_108970 | 1.039403881 | 0.000500206 | Unknown |
| CNXL_108980 | -0.045989582 | 0.965968884 | Unknown |
| CNXL_108990 | 0.668202353 | 0.38167154 | Unknown |
| CNXL_109000 | 0.44174134 | 0.532274673 | Unknown |
| CNXL_109010 | -0.460360599 | 0.877328292 | Unknown |
| CNXL_109020 | 0.158214299 | 0.953145249 | Unknown |
| CNXL_109030 | -0.070406237 | 0.94868362 | Unknown |
| CNXL_109040 | 1.073620011 | 0.14213019 | Unknown |
| CNXL_109050 | -0.904039927 | 0.807491917 | Unknown |
| CNXL_109060 | 0.431537372 | 0.83040343 | Unknown |
| CNXL_109070 | -0.069457455 | 0.93462219 | Unknown |
| CNXL_109080 | 0.902368622 | 0.03773243 | Unknown |
| CNXL_109090 | -0.934368845 | 0.519652797 | Unknown |
| CNXL_109100 | 0.181415347 | 0.79338633 | Unknown |
| CNXL_109110 | 1.073620011 | 0.14213019 | Unknown |
| CNXL_109120 | 0.483049031 | 0.91284949 | Unknown |
| CNXL_109130 | -1.079840547 | 0.584869453 | Unknown |
| CNXL_109140 | 2.680591757 | NA | Unknown |
| CNXL_109150 | 0.93259603 | 0.012537174 | Unknown |
| CNXL_109160 | -0.168652848 | 0.917446543 | Unknown |
| CNXL_109170 | 0.081096666 | 0.95265881 | Unknown |
| CNXL_109180 | 0.037188611 | 0.987958739 | Unknown |
| CNXL_109190 | 0.615484429 | 0.697372377 | Unknown |
| CNXL_109200 | 0.112513073 | 0.943326366 | Unknown |
| CNXL_109210 | -0.205736353 | 0.930994697 | Unknown |
| CNXL_109220 | -0.484876395 | 0.892800379 | Unknown |
| Row ID   | Value1   | Value2   | Value3   |
|----------|----------|----------|----------|
| CNXL_109230 | 0.376332604 | 0.791042353 | Unknown  |
| CNXL_109240 | 0.171437661 | NA       | Unknown  |
| CNXL_109250 | 0.447634577 | 0.337535369 | Unknown  |
| CNXL_109260 | 0.489413199 | 0.185652474 | Unknown  |
| CNXL_109270 | 0.300572866 | 0.833419530 | Unknown  |
| CNXL_109280 | 0.797187177 | 0.603329126 | Unknown  |
| CNXL_109290 | -0.819834424 | 0.012537174 | Unknown  |
| CNXL_109300 | 1.054913829 | 0.633439709 | Unknown  |
| CNXL_109310 | 0.549291015 | 0.791528992 | Unknown  |
| CNXL_109320 | -0.179127694 | 0.850544343 | Unknown  |
| CNXL_109330 | 1.726151046 | 0.000594297 | Unknown  |
| CNXL_109340 | 1.208576839 | NA       | Unknown  |
| CNXL_109350 | 0.071680402 | 0.965966884 | Unknown  |
| CNXL_109360 | 0.403488838 | 0.527018595 | Unknown  |
| CNXL_109370 | 0.032887133 | 0.965803890 | Unknown  |
| CNXL_109380 | 1.267680165 | 0.049258636 | Unknown  |
| CNXL_109390 | 0.810803366 | 0.009833171 | Unknown  |
| CNXL_109400 | 0.334577281 | 0.818425190 | Unknown  |
| CNXL_109410 | 0.721057972 | 0.019855885 | Unknown  |
| CNXL_109420 | -4.831979218 | 0.095432879 | Unknown  |
| CNXL_109430 | -1.890376584 | 1.18005E-06 | Unknown  |
| CNXL_109440 | 0.163439357 | 0.826907872 | Unknown  |
| CNXL_109450 | -0.264116169 | 0.597443741 | Unknown  |
| CNXL_109460 | -1.361850045 | 0.336027548 | Unknown  |
| CNXL_109470 | -0.079263725 | 0.899194631 | Unknown  |
| CNXL_109480 | -0.552723646 | 0.219180011 | Unknown  |
| CNXL_109490 | 0.002039404 | 0.996833113 | Unknown  |
| CNXL_109500 | 0.174582067 | 0.934642219 | Unknown  |
| CNXL_109510 | 3.914828939 | NA       | Unknown  |
| CNXL_109520 | 0.558605554 | 0.19911361 | Unknown  |
| CNXL_109530 | -0.231958918 | 0.73464097 | Unknown  |
| CNXL_109540 | 2.915513788 | 0.449136359 | Unknown  |
| CNXL_109550 | 1.12491051 | 0.158991381 | Unknown  |
| CNXL_109560 | 1.788914437 | 0.289223192 | Unknown  |
| CNXL_109570 | 0.31262879 | 0.797632564 | Unknown  |
| CNXL_109580 | -0.13526456 | 0.939202685 | Unknown  |
| CNXL_109590 | 0.255545411 | 0.78519633 | Unknown  |
| CNXL_109600 | -0.391826579 | 0.868129828 | Unknown  |
| CNXL_109610 | 0.342390815 | 0.645032535 | Unknown  |
| CNXL_109620 | 0.221433896 | 0.886074062 | Unknown  |
| CNXL_109630 | -0.158838953 | 0.955330361 | Unknown  |
| CNXL_109640 | -0.585182064 | 0.55313399 | Unknown  |
| CNXL_109650 | -1.155542267 | 0.732149774 | Unknown  |
| CNXL_109660 | NA | NA | Unknown  |
| CNXL_109670 | 0.00612975 | 0.996374193 | Unknown  |
| CNXL_109680 | 0.821916657 | NA | Unknown  |
| CNXL_109690 | -0.287640136 | 0.735749455 | Unknown  |
| CNXL_109700 | -1.579128526 | 1.27714E+06 | Unknown  |
| CNXL_109710 | 0.015550878 | 0.996472611 | Unknown  |
| CNXL_109720 | -1.405551068 | 0.565517945 | Unknown  |
| CNXL_109730 | 0.128749435 | 0.847878257 | Unknown  |
| CNXL_109740 | -0.253259673 | 0.686637346 | Unknown  |
| CNXL_109750 | -0.235588941 | 0.893955723 | Unknown  |
| CNXL_109760 | -0.04508861 | 0.970876289 | Unknown  |
| CNXL_109770 | 0.121551935 | 0.982600379 | Unknown  |
| CNXL_109780 | 0.139061994 | 0.883570637 | Unknown  |
| CNXL_109790 | 0.334225192 | 0.605167307 | Unknown  |
| CNXL_109800 | 0.09267103 | 0.988427236 | Unknown  |
| Code   | Value1   | Value2   | Value3   | Description  |
|--------|----------|----------|----------|-------------|
| CNXL_109810 | -2.508063583 | 0.35231862 | Unknown |
| CNXL_109820 | -2.66870313 | 0.293982732 | Unknown |
| CNXL_109830 | 0.058879544 | 0.990703091 | Unknown |
| CNXL_109840 | -0.918391217 | 0.175322462 | Unknown |
| CNXL_109850 | 0.507053339 | 0.22958864 | Unknown |
| CNXL_109860 | 0.50443598 | 0.844850118 | Unknown |
| CNXL_109870 | 3.408400469 | NA | Unknown |
| CNXL_109880 | 0.107717351 | 0.908263861 | Unknown |
| CNXL_109890 | -0.071938915 | 0.96165252 | Unknown |
| CNXL_110000 | 2.254134154 | 0.168034195 | Unknown |
| CNXL_110010 | -0.188589401 | 0.919145053 | Unknown |
| CNXL_110020 | -0.118989816 | 0.850005462 | Unknown |
| CNXL_110030 | -1.7560863 | 0.046397979 | Unknown |
| CNXL_110040 | -0.572703829 | 0.800552138 | Unknown |
| CNXL_110050 | 1.642647416 | 0.038969375 | Unknown |
| CNXL_110060 | 3.316090895 | 0.233174199 | Unknown |
| CNXL_110070 | -0.09970639 | 0.943268444 | Unknown |
| CNXL_110080 | -1.594175921 | 0.529621712 | Unknown |
| CNXL_110090 | -0.530600055 | 0.75185116 | Unknown |
| CNXL_110100 | 0.395661419 | 0.309128838 | Unknown |
| CNXL_110110 | 0.015921132 | 0.992176872 | Unknown |
| CNXL_110120 | -3.039046962 | NA | Unknown |
| CNXL_110130 | -1.366128688 | NA | Unknown |
| CNXL_110140 | -0.045415181 | 0.981733632 | Unknown |
| CNXL_110150 | -0.778933128 | 0.843913486 | Unknown |
| CNXL_110160 | -0.686179732 | 0.884028948 | Unknown |
| CNXL_110170 | -0.647621988 | 0.46049631 | Unknown |
| CNXL_110180 | 1.945786813 | 0.520208668 | Unknown |
| CNXL_110190 | 0.271628842 | 0.93462219 | Unknown |
| CNXL_110200 | 1.492637907 | 0.357567274 | Unknown |
| CNXL_110210 | -0.543720419 | 0.697372377 | Unknown |
| CNXL_110220 | -0.89816992 | 0.44186596 | Unknown |
| CNXL_110230 | 0.239659106 | 0.790239393 | Unknown |
| CNXL_110240 | 0.82623668 | 0.014401088 | Unknown |
| CNXL_110250 | -0.283871613 | 0.884028948 | Unknown |
| CNXL_110260 | 0.040909819 | 0.994610173 | Unknown |
| CNXL_110270 | NA | NA | Unknown |
| CNXL_110280 | 0.509702422 | 0.837168643 | Unknown |
| CNXL_110290 | 0.865280969 | 0.46632372 | Unknown |
| CNXL_110300 | -0.921760179 | NA | Unknown |
| CNXL_110310 | 0.825613414 | 0.814220979 | Unknown |
| CNXL_110320 | 0.578775852 | 0.620363352 | Unknown |
| CNXL_110330 | 0.507422274 | 0.28389793 | Unknown |
| CNXL_110340 | -0.021061378 | 0.98736046 | Unknown |
| CNXL_110350 | 0.627733061 | 0.74676769 | Unknown |
| CNXL_110360 | 0.006064273 | 0.996158838 | Unknown |
| CNXL_110370 | -0.028420988 | 0.983269736 | Unknown |
| CNXL_110380 | -0.72079509 | 0.614375938 | Unknown |
| CNXL_110390 | NA | NA | Unknown |
| CNXL_110400 | -0.214810276 | 0.879555308 | Unknown |
| CNXL_110410 | -1.552857478 | 2.74131E-06 | Unknown |
| CNXL_110420 | 0.082796679 | 0.951160419 | Unknown |
| CNXL_110430 | 0.111584461 | 0.972638293 | Unknown |
| CNXL_110440 | 0.412682844 | 0.560191961 | Unknown |
| CNXL_110450 | -1.695623498 | 0.602461418 | Unknown |
| CNXL_110460 | 0.567754959 | 0.730702424 | Unknown |
| CNXL_110470 | 1.173086278 | 0.435235961 | Unknown |
| CNXL_110480 | -0.275698657 | 0.814220979 | Unknown |
| Index   | Value 1  | Value 2  | Value 3  | Value 4  | Value 5  | Value 6  | Value 7  | Value 8  | Value 9  | Value 10 | Value 11 | Value 12 | Value 13 | Value 14 | Value 15 | Value 16 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| CNXL_110390 | NA      | NA      | Unknown | Unknown |
| CNXL_110400 | 0.281356627 | 0.535382959 | Unknown |
| CNXL_110410 | -2.737841392 | NA      | Unknown |
| CNXL_110420 | 0.454996312 | 0.739671911 | Unknown |
| CNXL_110430 | -2.396289475 | NA      | Unknown |
| CNXL_110440 | 0.095244509 | 0.909119246 | Unknown |
| CNXL_110450 | -2.599312805 | 2.06999E-11 | Unknown |

...
| ID       | Value_1  | Value_2         | Unknown         |
|----------|----------|-----------------|-----------------|
| CNXL_110970 | -1.03380467 | 0.077226354 | Unknown         |
| CNXL_110980 | -0.51265187 | 0.850544343 | Unknown         |
| CNXL_110990 | 0.264825847 | 0.704681578 | Unknown         |
| CNXL_111000 | 1.08312023 | NA             | Unknown         |
| CNXL_111010 | 0.438129299 | 0.953029492 | Unknown         |
| CNXL_111020 | -0.210685977 | 0.935785373 | Unknown         |
| CNXL_111030 | -5.47441217 | 5.82232E-22  | Unknown         |
| CNXL_111040 | 0.537822792 | 0.363008895 | Unknown         |
| CNXL_111050 | 0.021306535 | 0.984913368 | Unknown         |
| CNXL_111060 | -1.58391283 | 0.110578259 | Unknown         |
| CNXL_111070 | 0.644593321 | 0.174232551 | Unknown         |
| CNXL_111080 | -0.988701689 | 0.290745908 | Unknown         |
| CNXL_111090 | 0.143731179 | 0.813598552 | Unknown         |
| CNXL_111100 | 0.745319602 | 0.106779702 | Unknown         |
| CNXL_111110 | 0.505456886 | 0.766235579 | Unknown         |
| CNXL_111120 | -0.35498038 | 0.879429764 | Unknown         |
| CNXL_111130 | 1.579807799 | 0.334301792 | Unknown         |
| CNXL_111140 | -1.00104224 | 0.274653737 | Unknown         |
| CNXL_111150 | 0.63750176  | 0.06204509   | Unknown         |
| CNXL_111160 | 1.421596923 | 0.358178392 | Unknown         |
| CNXL_111170 | -3.31902664 | NA            | Unknown         |
| CNXL_111180 | 0.04590662  | 0.948286148  | Unknown         |
| CNXL_111190 | 1.686732929 | 0.432123344  | Unknown         |
| CNXL_111200 | 1.012792708 | 0.036002148  | Unknown         |
| CNXL_111210 | 3.432784451 | 0.285709409  | Unknown         |
| CNXL_111220 | -4.435865063 | 1.97471E-15  | Unknown         |
| CNXL_111230 | -0.193441824 | 0.884028948  | Unknown         |
| CNXL_111240 | 0.081501417 | NA            | Unknown         |
| CNXL_111250 | 0.210330811 | 0.920669589  | Unknown         |
| CNXL_111260 | -0.619689897 | 0.870564658  | Unknown         |
| CNXL_111270 | 0.492268736  | 0.344363085  | Unknown         |
| CNXL_111280 | 0.70226389  | 0.365417169  | Unknown         |
| CNXL_111290 | 0.797741104  | 0.154160874  | Unknown         |
| CNXL_111300 | 0.116406521  | 0.879555308  | Unknown         |
| CNXL_111310 | -0.276446686 | 0.893873062  | Unknown         |
| CNXL_111320 | -0.06205224  | 0.976006716  | Unknown         |
| CNXL_111330 | -1.484151624 | 0.417866535  | Unknown         |
| CNXL_111340 | -0.468178383 | 0.650629033  | Unknown         |
| CNXL_111350 | 0.620407932  | 0.271915015  | Unknown         |
| CNXL_111360 | 0.52317249  | 0.76288467   | Unknown         |
| CNXL_111370 | 0.930572386  | NA            | Unknown         |
| CNXL_111380 | 0.728486449  | 0.201056667  | Unknown         |
| CNXL_111390 | -3.291979951 | 0.116094051  | Unknown         |
| CNXL_111400 | 0.761920994  | 0.746548581  | Unknown         |
| CNXL_111410 | -5.43663716  | 4.79482E-05  | Unknown         |
| CNXL_111420 | -1.377232181 | 0.000715453  | Unknown         |
| CNXL_111430 | -1.368836688 | NA            | Unknown         |
| CNXL_111440 | -2.940477827 | 6.92428E-29  | Unknown         |
| CNXL_111450 | -0.284799521 | 0.660412993  | Unknown         |
| CNXL_111460 | -0.354728503 | 0.664461114  | Unknown         |
| CNXL_111470 | 0.236291067  | 0.69356267   | Unknown         |
| CNXL_111480 | -0.150849155 | 0.856186476  | Unknown         |
| CNXL_111490 | 0.587277988  | 0.518670403  | Unknown         |
| CNXL_111500 | -0.764256906 | 0.043302391  | Unknown         |
| CNXL_111510 | -0.899626473 | 0.293518315  | Unknown         |
| CNXL_111520 | 0.022713006  | 0.984913368  | Unknown         |
| CNXL_111530 | 1.300305893  | 0.004398805  | Unknown         |
| CNXL_111540 | 0.332077002  | 0.700912881  | Unknown         |
| Column | Value1 | Value2 | Value3 | Value4 |
|--------|--------|--------|--------|--------|
| CNXL_111550 | -0.105376123 | 0.979667462 | Unknown | |
| CNXL_111560 | 0.73646993 | 0.225505685 | Unknown | |
| CNXL_111570 | 0.259509574 | 0.955330361 | Unknown | |
| CNXL_111580 | -0.345319552 | 0.771763303 | Unknown | |
| CNXL_111590 | 0.573810466 | 0.706587253 | Unknown | |
| CNXL_111600 | 0.10872507 | 0.936783812 | Unknown | |
| CNXL_111610 | -0.666771841 | 0.798675929 | Unknown | |
| CNXL_111620 | 0.911359676 | 0.03434115 | Unknown | |
| CNXL_111630 | -0.663493586 | 0.539585872 | Unknown | |
| CNXL_111640 | -0.046877206 | 0.948286148 | Unknown | |
| CNXL_111650 | 1.484927388 | NA | Unknown | |
| CNXL_111660 | 0.917971916 | 0.216214998 | Unknown | |
| CNXL_111670 | 0.42797512 | 0.460448053 | Unknown | |
| CNXL_111680 | 0.954885053 | 0.03434115 | Unknown | |
| CNXL_111690 | 0.402218947 | 0.443697582 | Unknown | |
| CNXL_111700 | 0.803257372 | 0.654578621 | Unknown | |
| CNXL_111710 | 0.410808327 | 0.653924504 | Unknown | |
| CNXL_111720 | 0.275534263 | 0.883503991 | Unknown | |
| CNXL_111730 | -0.777198842 | 0.749315941 | Unknown | |
| CNXL_111740 | -1.956653081 | 0.02748551 | Unknown | |
| CNXL_111750 | 0.180187931 | NA | Unknown | |
| CNXL_111760 | -1.556289274 | 0.627713007 | Unknown | |
| CNXL_111770 | 0.061666512 | 0.986318348 | Unknown | |
| CNXL_111780 | -1.998573043 | 0.15519211 | Unknown | |
| CNXL_111790 | 0.625642664 | 0.849067839 | Unknown | |
| CNXL_111800 | -0.412273483 | 0.477835242 | Unknown | |
| CNXL_111810 | 0.569791765 | 0.16398742 | Unknown | |
| CNXL_111820 | 1.354809599 | 0.037035228 | Unknown | |
| CNXL_111830 | -0.76049114 | 0.298784347 | Unknown | |
| CNXL_111840 | 0.199919238 | 0.901676457 | Unknown | |
| CNXL_111850 | -0.196701614 | 0.927441884 | Unknown | |
| CNXL_111860 | -3.33405886 | 0.108539336 | Unknown | |
| CNXL_111870 | 0.73218428 | NA | Unknown | |
| CNXL_111880 | -1.08085642 | 0.579830249 | Unknown | |
| CNXL_111890 | 1.28636893 | 0.676573672 | Unknown | |
| CNXL_111900 | -0.810457298 | 0.615328522 | Unknown | |
| CNXL_111910 | -3.131104808 | 0.07425E-45 | Unknown | |
| CNXL_111920 | -3.175796882 | 5.06892E-18 | Unknown | |
| CNXL_111930 | -0.680535662 | 0.6409676 | Unknown | |
| CNXL_111940 | 1.144301275 | 0.103114946 | Unknown | |
| CNXL_111950 | -0.062881176 | 0.988662258 | Unknown | |
| CNXL_111960 | 0.126123158 | 0.936086163 | Unknown | |
| CNXL_111970 | 1.037398908 | 0.413773329 | Unknown | |
| CNXL_111980 | 2.053803957 | NA | Unknown | |
| CNXL_111990 | 0.809605425 | 0.015522905 | Unknown | |
| CNXL_112000 | 0.112255049 | 0.951498478 | Unknown | |
| CNXL_112010 | 0.367056785 | 0.638378602 | Unknown | |
| CNXL_112020 | -1.08028857 | 0.708742909 | Unknown | |
| CNXL_112030 | -0.015580194 | 0.996472611 | Unknown | |
| CNXL_112040 | -0.043373443 | 0.975873016 | Unknown | |
| CNXL_112050 | -0.107219136 | 0.885370637 | Unknown | |
| CNXL_112060 | 0.299449769 | 0.580839421 | Unknown | |
| CNXL_112070 | 0.082898508 | 0.980972278 | Unknown | |
| CNXL_112080 | -0.087039812 | 0.918375149 | Unknown | |
| CNXL_112090 | 0.206213702 | 0.211421812 | Unknown | |
| CNXL_112100 | 1.26594742 | 0.645241899 | NA | Unknown |
| Strain | Modification |
|--------|--------------|
| W5     | XL280α       |
| W380   | XL280α       |
| PH136  | XL280α, NEO  |
| ZJ8    | XL280α, NAT  |
| PH137  | XL280α, HYG  |
| YXX37  | XL280α, NAT  |
| YXX60  | XL280α, NEO  |
| MS110  | XL280α, CVA1::NAT |
| MS111  | XL280α, CVA1::NAT |
| LHM374 | XL280α, CVA1::NAT, P_{native}::CVA1::NEO |
| MS83   | H99α, NEO    |
| MS101  | H99α, NAT    |
| Gene deletion set | H99α, CNAG_00795::NAT, Madhani HD |
| Gene deletion set | H99α, CNAG_04707::NAT, Madhani HD |
| Gene deletion set | H99α, CNAG_01512::NAT, Madhani HD |
| YXX40  | XL280α, CFS1::NAT |
| YXX63  | XL280α, CFS1::G418 |
| LHM377 | XL280α, CVA1::NAT, P_{native}::CFS1::mCherry::NEO |
| LHM378 | XL280α, CFS1::NAT, P_{native}::CFS1::mCherry::NEO |
| Comments                              | Primer name          | Sequence                                                                 |
|---------------------------------------|----------------------|--------------------------------------------------------------------------|
| CVA1 deletion (for XL280)             | Wanglab9060          | GTCGCACCTTGTCAATTACG                                                    |
|                                       | Wanglab9061          | CTGCCGCTTTTTACATCCATCGCAGGATGTCA                                       |
|                                       | Wanglab9062          | GTCTAGCTGTCTTCGCTAGCTTTACTACGCCCTTCTTACGCTTCAGGTGGCCCTC                |
|                                       | Wanglab9063          | AACTATGAAGCCGACCCCTC                                                    |
|                                       | Wanglab9045          | CACGGCGGTGCGAGAAAGGCAACAGGCGAAGATACCGCGGCAAGT                              |
|                                       | Wanglab9046          | GGGCTGCGACACCAGCCTGGTTAGCATAGAAATAGCAAGTT                               |
| CFS1 deletion (for XL280)             | wanglab8364          | GCCAATTATCCGCAGGGCA                                                     |
|                                       | wanglab8366          | GGAGTCCGAGTGAGGATAGGAGTATATG                                          |
|                                       | wanglab8367          | GTCTAGCTGTCTTCGCTAGCTTTACTACGCCCTTCTTACGCTTCAGGTGGCCCTC                |
|                                       | wanglab8369          | ACCACCGAAATAGAAATGGA                                                     |
|                                       | wanglab8706          | CTGCGCGGTGCGTTTTACTGAATGGCGAGGGGACAGT                                  |
|                                       | wanglab8362          | GTGAGGCTGCTGTTTGTCAGCTAGAAATAGCAAGTT                                  |
|                                       | wanglab8363          | CTGACAAACACACCACCATCAACAAGTATACCCCTGGGGCT                              |
| STE3 α qPCR-RT                        | Wanglab861           | TAGCGGACCGGACTGAGAAGA                                                   |
|                                       | Wanglab862           | CTGCAGCGAAGCGCAATCATT                                                  |
| MF α qPCR-RT                          | Wanglab865           | ATCTTCACCACCTTACCTCT                                                  |
|                                       | Wanglab866           | CATGCGGACACAAAGG                                                       |
| TEF1 qPCR-RT                          | Wanglab857           | CTGCAGCTAGAAGCTCAAGT                                                  |
|                                       | Wanglab858           | AGAACGACTCCATAGG                                                      |
| MAT2 qPCR-RT                          | Wanglab859           | GTCTTCGAGTTACTGCAATCCAGTT                                              |
|                                       | Wanglab860           | TGTTCGGGTCTACGATACCGATCCAGT                                             |
| CFS1 qPCR-RT                          | Wanglab8360          | TTTCACCCGTACCAAAGACA                                                   |
|                                       | Wanglab8361          | CCATAGTCCGACTTACCCAGC                                                  |
| CVA1 complementary (for XL280)        | Wanglab9518          | CATCACACTCGCGCGCGCTTTTGAGCAAGTTTC                                     |
|                                       | Wanglab9519          | ACTGTAACCCCTTAATTTTCTCTTACGAGCCATG                                   |
| CFS1 complementary (for XL280)        | Wanglab9999          | ATATCACATACACTGGCGCGCCAGATAAGGTCACGGAGCAAGC                           |
|                                       | Wanglab9000          | CCCTTGCTACATTGGCGATCGCTACGGGTAGTGCTCATCCTT                             |