

**Supplementary Table S3 - List of single copy nuclear genes used for nuclear gene analysis**

<b>Protein name</b>	<b><i>C. sinensis</i> gene ID</b>
4-alpha-glucanotransferase	CS00091G00620
A49-like RNA polymerase I associated factor	CS00032G00800
Acyl transferase domain	CS00026G01710
Acyl-CoA dehydrogenase, C-terminal domain	CS00014G01910
Adaptin N terminal region	CS00250G00150
ALAD (PF00490) Porphobilinogen synthase	CS00004G00640
Aldoketo reductase family	CS00023G00200
Align.pep	CS00023G00200
Alphabeta hydrolase family	CS00024G00340
Amino acid permease	CS00001G00840
Aminomethyltransferase folate-binding domain	CS00007G02980
ArgJ family	CS00314G00120
Armadillobeta-catenin-like repeat	CS00282G00060
ATP synthase alphabeta family, nucleotide-binding domain (2)	CS00023G01020
ATP synthase alphabeta family, nucleotide-binding domain	CS00326G00180
ATP synthase delta (OSCP) subunit	CS00003G06350
Brix domain	CS00102G00160
Cactus-binding C-terminus of cactin protein	CS00036G01010
Carbon-nitrogen hydrolase	CS00082G00400
CLASP N terminal	CS00029G00170
CobWHypBUreG, nucleotide-binding domain	CS00007G02330
Cohesin loading factor	CS00118G00110
CreatinaseProlidase N-terminal domain	CS00103G00600
Cullin family	CS00007G02580
Cyclophilin type peptidyl-prolyl cis-trans isomeraseCLD	CS00003G04090
Cytochrome b5-like HemeSteroid binding domain	CS00003G06620
Dihydroorotate dehydrogenase	CS00335G00020
Divergent CRALTRIO domain	CS00218G00070
DnaJ domain	CS00332G00030
Dual specificity phosphatase, catalytic domain	CS00442G00120
Dynamin family (2)	CS00100G00010
ER membrane protein complex subunit 1, C-terminal	CS00005G00770
Eukaryotic protein of unknown function (DUF866)	CS00005G01640
FAD binding domain	CS00218G00080
GcpE protein	CS00014G02160
Glucose-6-phosphate isomerase	CS00004G02790
Glucosidase II beta subunit-like protein	CS00013G00250
Glycosyl hydrolases family 31	CS00089G00250
GlyoxalaseBleomycin resistance proteinDioxygenase superfamily	CS00112G00130
GMP synthase C terminal domain	CS00009G01010
HCNGP-like protein	CS00007G01220
Histidinol dehydrogenase	CS00010G00210
Hydroxyacylglutathione hydrolase C-terminus	CS00024G00300
Inositol monophosphatase family	CS00287G00010
Integral membrane protein DUF92	CS00243G00100
Lon protease family	CS00004G04950
Memo-like protein	CS00051G01070
Methylenetetrahydrofolate reductase	CS00324G00200
MINDY deubiquitinase	CS00040G00460
Molybdopterin oxidoreductase	CS00583G00040
Nitrite and sulphite reductase 4Fe-4S domain	CS00054G00410

NLI interacting factor-like phosphatase	CS00498G00100
NmrA-like family	CS07119G00010
Paf1	CS00175G00170
PAP2 superfamily C-terminal	CS00002G01030
Peroxidase	CS00004G02380
PROCN (NUC071) domain	CS00266G00100
Protein prenyltransferase alpha subunit repeat	CS00501G00030
Putative tRNA binding domain	CS00024G00050
Pyruvate phosphate dikinase, AMPATP-binding domain	CS00003G02160
Redoxin	CS00011G01360
Respiratory-chain NADH dehydrogenase 51 Kd subunit	CS00003G00850
Ribophorin I	CS00002G06980
Ribosomal protein L13	CS00105G00010
RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain)	CS00091G00080
Rubryerythrin	CS00091G00390
Scaffold protein NfuNifU N terminal	CS00659G00040
Sec1 family	CS00023G01750
Sec23Sec24 trunk domain	CS00049G00900
SNO glutamine amidotransferase family	CS00014G02080
Sodium Bile acid symporter family	CS00075G00260
Splicing factor 3B subunit 1	CS00005G00830
Staphylococcal nuclease homologue	CS00087G00190
TATA-binding protein interacting (TIP20)	CS00653G00080
TFIIS helical bundle-like domain	CS00093G00160
Transcription factor TFIIB repeat	CS00006G03360
tRNA N6-adenosine threonylcarbamoyltransferase	CS00781G00030
tRNA synthetase class II core domain (G, H, P, S and T)	CS00077G00500
tRNA synthetases class I (E and Q), catalytic domain (2)	CS00008G00650
tRNA synthetases class I (I, L, M and V)	CS00604G00090
tRNA synthetases class I (W and Y)	CS00005G01340
Ubiquitin carboxyl-terminal hydrolase, family 1	CS00102G00030
Ubiquitin carboxyl-terminal hydrolase	CS00074G00090
Uncharacterized ACR, YdiUUPF0061 family	CS00101G00220
Universal stress protein family	CS00017G01640
WLM domain	CS00067G00540

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