

Supporting information

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Supporting Tables

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Table S1. Characteristics of 12 primers used for qRT-PCR analysis.

Transcript_id	Forward	Reverse	Gene name	Enzymes
dazi_transcript_3491	F: GCAGTGAAGAAGGGAGACACCATC	R: CGTCATCTACCTCCAGCCAAACAG	PK	pyruvate kinase
dazi_transcript_14608	F: AGCTTGTTGCGATGACTATCCTCTG	R: TTAAGCCTACTCTTTCGGGAACAGC	MDH	malate dehydrogenase
dazi_transcript_62211	F: CGGAGCCGAATACATTGTGGAGTC	R: CCTTCTTCGCACCACCCTTCAAG	GAPD	glyceraldehyde 3-phosphate dehydrogenase
dazi_transcript_4206	F: AGGTGGCTTTGCTCCTAACATTTCAG	R: CGAGGCGGCAACATCCATTCC	ENO	enolase
dazi_transcript_1017	F: TTCTTGGTGGCAGTGCTGATCTTG	R: CCTGAGGTACGTTCTTCTGGTGTG	TKT	transketolase
dazi_transcript_37294	F: TCTGACCTCCGATCCATCTTCTCTG	R: CCGACATTGTTAGTGGGCTGTGAG	HK	hexokinase
dazi_transcript_38033	F: CCAGTATCAGCGACATTGTGGACAG	R: ATGCGTACCATTTCCTCCCAACAC	PFK1	6-phosphofructokinase 1
dazi_transcript_46018	F: ATAGCGTGTTGGCACTGATTCC	R: CCACACCAGGCAACACCATACTC	ACON	aconitate hydratase
dazi_transcript_36237	F: AGAGGAGTGTGGGTGATCTGAAGG	R: GCTGCTCGGATTCTGGTGTCATC	PGK	phosphoglycerate kinase
dazi_transcript_3928	F: GCCGAAGAGTGTGACTATGGAATGG	R: CAAGCCCTTTCACCACGGACTC	CS	citrate synthase
dazi_transcript_4056	F: TCGTCCGATTCAATGGCTTCTTCTC	R: ATTTACCACGGACAGCATACTCAC	ALT	alanine transaminase
dazi_transcript_45611	F: AAAGTCACTCGCTTCCCAAGTCAG	R: AGGTGGATCTGGAGGTACATCTGC	GPI	glucose-6-phosphate isomerase

Table S2. Summary of SSR results in *A. arguta* cv. Qinziyu.

Search item	Numbers
Total number of sequences examined	35,654
Total size of examined sequences (bp)	71,532,931
Total number of identified SSRs	27,717
Number of SSR-containing sequences	17,932
Number of sequences containing more than 1 SSR	6,485
Number of SSRs present in compound formation	3,713
Mononucleotide	5,948
Dinucleotide	17,509
Trinucleotide	3,299
Tetranucleotide	356
Hexanucleotide	141
Pentanucleotide	464

Table S3. Annotated transcripts numbers based on eight databases in *A. arguta* cv. Qinziyu.

Annotated database	Annotated number	300 <= length < 1000	length >= 1000
COG	18,257	2955	15264
GO	34,444	7764	26447
KEGG	22,522	5151	17149
KOG	28,850	6018	22634
Pfam	36,258	6717	29476
Swissprot	33,927	7159	26507
eggNOG	45,049	10141	34560
NR	45,762	10477	34881
All annotated	45,923	10569	34925

NR: NCBI non-redundant protein sequences; Pfam: Protein family; Swiss-Prot: Swiss-Prot protein sequence database; COG: Clusters of Orthologous Groups; KOG: euKaryotic Ortholog Groups; eggNOG: Clusters of Orthologous Groups of proteins; GO: Gene Ontology; KEGG: Kyoto Encyclopedia of Genes and Genomes.

Table S4. Annotated transcripts in the carbohydrate metabolism and amino acids metabolism pathways.

KEGG_id	Transcript_id	Enzyme	NR annotation
K00025	dazi_transcript_40280	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_44592	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_50012	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_57810	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, cytoplasmic 2
K00025	dazi_transcript_6772	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_7221	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_7313	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, cytoplasmic 2
K00025	dazi_transcript_7641	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_7743	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00025	dazi_transcript_7934	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase
K00026	dazi_transcript_10166	malate dehydrogenase [EC:1.1.1.37]	MDHG; malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_12595	malate dehydrogenase [EC:1.1.1.37]	hypothetical protein
K00026	dazi_transcript_36242	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_38143	malate dehydrogenase [EC:1.1.1.37]	Lactate/malate dehydrogenase family protein
K00026	dazi_transcript_38322	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic-like
K00026	dazi_transcript_40186	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_4084	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_14608	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial
K00026	dazi_transcript_49858	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_5103	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_5139	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_51666	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_5257	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_56939	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_58798	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial
K00026	dazi_transcript_5885	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_62317	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_62776	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_66819	malate dehydrogenase [EC:1.1.1.37]	hypothetical protein
K00026	dazi_transcript_6954	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like

K00026	dazi_transcript_7251	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_7309	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_7500	malate dehydrogenase [EC:1.1.1.37]	MDHG; malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_7552	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_7748	malate dehydrogenase [EC:1.1.1.37]	Malate dehydrogenase, mitochondrial
K00026	dazi_transcript_7761	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, glyoxysomal
K00026	dazi_transcript_8409	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_16988	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_22215	malate dehydrogenase [EC:1.1.1.37]	Malate dehydrogenase, mitochondrial
K00026	dazi_transcript_29577	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, chloroplastic
K00026	dazi_transcript_30831	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00026	dazi_transcript_33345	malate dehydrogenase [EC:1.1.1.37]	malate dehydrogenase, mitochondrial-like
K00030	dazi_transcript_34638	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_37386	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00030	dazi_transcript_39450	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial-like
K00030	dazi_transcript_42410	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_49652	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00030	dazi_transcript_54776	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 3, mitochondrial-like
K00030	dazi_transcript_5701	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00030	dazi_transcript_57196	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00030	dazi_transcript_60344	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_6269	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	3-isopropylmalate dehydrogenase, chloroplastic-like
K00030	dazi_transcript_63251	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial-like
K00030	dazi_transcript_6479	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_65465	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial

K00030	dazi_transcript_66998	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00030	dazi_transcript_68442	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_68811	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_16863	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_7233	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_19974	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial-like
K00030	dazi_transcript_23710	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	hypothetical protein
K00030	dazi_transcript_25423	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial-like
K00030	dazi_transcript_25761	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] catalytic subunit 5, mitochondrial
K00030	dazi_transcript_29593	isocitrate dehydrogenase (NAD+) [EC:1.1.1.41]	isocitrate dehydrogenase [NAD] regulatory subunit 1, mitochondrial
K00031	dazi_transcript_13591	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_44362	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_45358	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_4923	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_52277	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]-like
K00031	dazi_transcript_53183	isocitrate dehydrogenase [EC:1.1.1.42]	POPTRDRAFT_797853; hypothetical protein
K00031	dazi_transcript_5586	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_5623	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_5679	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_64568	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00031	dazi_transcript_66563	isocitrate dehydrogenase [EC:1.1.1.42]	isocitrate dehydrogenase [NADP]
K00051	dazi_transcript_41117	malate dehydrogenase (NADP+) [EC:1.1.1.82]	malate dehydrogenase [NADP], chloroplastic-like
K00051	dazi_transcript_4708	malate dehydrogenase (NADP+) [EC:1.1.1.82]	malate dehydrogenase [NADP], chloroplastic
K00051	dazi_transcript_53002	malate dehydrogenase (NADP+) [EC:1.1.1.82]	malate dehydrogenase [NADP], chloroplastic
K00051	dazi_transcript_60127	malate dehydrogenase (NADP+) [EC:1.1.1.82]	malate dehydrogenase [NADP], chloroplastic-like
K00052	dazi_transcript_46648	3-isopropylmalate dehydrogenase [EC:1.1.1.85]	3-isopropylmalate dehydrogenase 2, chloroplastic-like
K00052	dazi_transcript_5041	3-isopropylmalate dehydrogenase [EC:1.1.1.85]	3-isopropylmalate dehydrogenase, chloroplastic

K00052	dazi_transcript_70293	3-isopropylmalate dehydrogenase [EC:1.1.1.85]	3-isopropylmalate dehydrogenase, chloroplastic-like
K00052	dazi_transcript_21880	3-isopropylmalate dehydrogenase [EC:1.1.1.85]	3-isopropylmalate dehydrogenase, chloroplastic
K00134	dazi_transcript_12661	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPC2, cytosolic
K00134	dazi_transcript_34834	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_36921	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_38587	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_41637	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_13860	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	Glyceraldehyde-3-phosphate dehydrogenase C2 isoform 1
K00134	dazi_transcript_48738	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_51374	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_52029	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	Glyceraldehyde-3-phosphate dehydrogenase C2 isoform 1
K00134	dazi_transcript_53952	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_56548	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPC2, cytosolic
K00134	dazi_transcript_58186	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_59972	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_62211	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_62238	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_6320	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_63604	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_6384	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_65630	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_6904	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_7034	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_7083	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase, cytosolic-like
K00134	dazi_transcript_7943	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic

K00134	dazi_transcript_8424	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_17874	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP2, chloroplastic-like
K00134	dazi_transcript_21528	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase, cytosolic
K00134	dazi_transcript_29031	glyceraldehyde 3-phosphate dehydrogenase [EC:1.2.1.12]	glyceraldehyde-3-phosphate dehydrogenase GAPCP1, chloroplastic
K00161	dazi_transcript_45616	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-like
K00161	dazi_transcript_4660	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	Pyruvate dehydrogenase E1 alpha, ALPHA
K00161	dazi_transcript_4678	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	POPTRDRAFT_755473; hypothetical protein
K00161	dazi_transcript_56532	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-1, mitochondrial
K00161	dazi_transcript_59828	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic
K00161	dazi_transcript_15875	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha, mitochondrial-like
K00161	dazi_transcript_64260	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha, mitochondrial-like
K00161	dazi_transcript_65306	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic
K00161	dazi_transcript_66842	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic
K00161	dazi_transcript_71292	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-1, mitochondrial
K00161	dazi_transcript_20275	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha, mitochondrial
K00161	dazi_transcript_25102	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha, mitochondrial
K00161	dazi_transcript_30259	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic
K00161	dazi_transcript_33985	pyruvate dehydrogenase E1 component alpha subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit alpha, mitochondrial-like
K00162	dazi_transcript_39431	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_4570	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	hypothetical protein
K00162	dazi_transcript_48781	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	hypothetical protein
K00162	dazi_transcript_49361	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1,

K00162	dazi_transcript_5451	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	mitochondrial pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_55966	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_6021	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_60235	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_61490	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_18804	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_21815	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_25937	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial
K00162	dazi_transcript_30375	pyruvate dehydrogenase E1 component beta subunit [EC:1.2.4.1]	pyruvate dehydrogenase E1 component subunit beta-1, mitochondrial-like
K00164	dazi_transcript_42796	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]	2-oxoglutarate dehydrogenase, mitochondrial-like
K00164	dazi_transcript_48257	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]	2-oxoglutarate dehydrogenase, mitochondrial
K00164	dazi_transcript_54749	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]	2-oxoglutarate dehydrogenase, mitochondrial
K00164	dazi_transcript_70726	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]	2-oxoglutarate dehydrogenase, mitochondrial
K00164	dazi_transcript_18550	2-oxoglutarate dehydrogenase E1 component [EC:1.2.4.2]	2-oxoglutarate dehydrogenase, mitochondrial-like
K00234	dazi_transcript_53139	succinate dehydrogenase (ubiquinone) flavoprotein subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] flavoprotein subunit 1, mitochondrial
K00234	dazi_transcript_1675	succinate dehydrogenase (ubiquinone) flavoprotein subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial
K00234	dazi_transcript_2087	succinate dehydrogenase (ubiquinone) flavoprotein subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial
K00234	dazi_transcript_2251	succinate dehydrogenase (ubiquinone) flavoprotein subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial
K00235	dazi_transcript_34759	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial-like
K00235	dazi_transcript_35061	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial-like
K00235	dazi_transcript_47141	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial

K00235	dazi_transcript_62309	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial-like
K00235	dazi_transcript_9512	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial-like
K00235	dazi_transcript_23989	succinate dehydrogenase (ubiquinone) iron-sulfur subunit [EC:1.3.5.1]	succinate dehydrogenase [ubiquinone] iron-sulfur subunit 2, mitochondrial-like
K00382	dazi_transcript_34793	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic-like
K00382	dazi_transcript_4015	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_43987	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic-like
K00382	dazi_transcript_4451	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_5304	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_56555	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic-like
K00382	dazi_transcript_68135	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic
K00382	dazi_transcript_70669	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_26753	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic-like
K00382	dazi_transcript_27766	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_30013	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 1, mitochondrial
K00382	dazi_transcript_30638	dihydrolipoamide dehydrogenase [EC:1.8.1.4]	dihydrolipoyl dehydrogenase 2, chloroplastic-like
K00600	dazi_transcript_3465	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_3573	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_35788	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_3763	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_3834	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_3867	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_39032	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_4024	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_40828	glycine hydroxymethyltransferase [EC:2.1.2.1]	POPTRDRAFT_833897; Serine hydroxymethyltransferase family protein
K00600	dazi_transcript_4090	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_41056	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 6-like
K00600	dazi_transcript_42074	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_42312	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 2, mitochondrial-like
K00600	dazi_transcript_43097	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7
K00600	dazi_transcript_43737	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_447	glycine hydroxymethyltransferase [EC:2.1.2.1]	hypothetical protein

K00600	dazi_transcript_45158	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase-like
K00600	dazi_transcript_47289	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7
K00600	dazi_transcript_49871	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_50080	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_50957	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_53377	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_55189	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 2, mitochondrial-like
K00600	dazi_transcript_55516	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 2, mitochondrial-like
K00600	dazi_transcript_57656	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase-like
K00600	dazi_transcript_59913	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_60298	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7
K00600	dazi_transcript_60988	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7
K00600	dazi_transcript_62304	glycine hydroxymethyltransferase [EC:2.1.2.1]	POPTRDRAFT_643921; hypothetical protein
K00600	dazi_transcript_6234	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase-like
K00600	dazi_transcript_628	glycine hydroxymethyltransferase [EC:2.1.2.1]	hypothetical protein
K00600	dazi_transcript_63140	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_16157	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_64705	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 6-like
K00600	dazi_transcript_65117	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_65417	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_66249	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 3, chloroplastic-like
K00600	dazi_transcript_69178	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 2, mitochondrial-like
K00600	dazi_transcript_69904	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_70229	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_71417	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_17306	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_21334	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_24675	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 2, mitochondrial-like
K00600	dazi_transcript_25409	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7-like
K00600	dazi_transcript_2672	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_28874	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 4
K00600	dazi_transcript_29730	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 7
K00600	dazi_transcript_31926	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 6-like
K00600	dazi_transcript_3260	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial

K00600	dazi_transcript_3416	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase, mitochondrial
K00600	dazi_transcript_34493	glycine hydroxymethyltransferase [EC:2.1.2.1]	serine hydroxymethyltransferase 3, chloroplastic-like
K00611	dazi_transcript_53423	ornithine carbamoyltransferase [EC:2.1.3.3]	ornithine carbamoyltransferase, chloroplastic
K00611	dazi_transcript_56801	ornithine carbamoyltransferase [EC:2.1.3.3]	ornithine carbamoyltransferase, chloroplastic
K00611	dazi_transcript_30554	ornithine carbamoyltransferase [EC:2.1.3.3]	ornithine carbamoyltransferase, chloroplastic
K00615	dazi_transcript_1017	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_35691	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_40480	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_41359	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_41821	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_48461	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_58322	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_59456	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_59767	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_65645	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_66990	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_1852	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_19024	transketolase [EC:2.2.1.1]	transketolase, chloroplastic-like
K00615	dazi_transcript_19373	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_1113	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_26859	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_29588	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00615	dazi_transcript_30001	transketolase [EC:2.2.1.1]	transketolase, chloroplastic
K00620	dazi_transcript_63062	glutamate N-acetyltransferase/amino-acid N-acetyltransferase [EC:2.3.1.35 2.3.1.1]	arginine biosynthesis bifunctional protein ArgJ, chloroplastic
K00620	dazi_transcript_9866	glutamate N-acetyltransferase/amino-acid N-acetyltransferase [EC:2.3.1.35 2.3.1.1]	arginine biosynthesis bifunctional protein ArgJ, chloroplastic
K00620	dazi_transcript_2935	glutamate N-acetyltransferase/amino-acid N-acetyltransferase [EC:2.3.1.35 2.3.1.1]	arginine biosynthesis bifunctional protein ArgJ, chloroplastic-like
K00627	dazi_transcript_3795	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 4 of pyruvate dehydrogenase complex, chloroplastic
K00627	dazi_transcript_3831	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 5 of pyruvate dehydrogenase complex, chloroplastic
K00627	dazi_transcript_4223	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 5 of pyruvate dehydrogenase complex, chloroplastic-like

K00627	dazi_transcript_1498	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 1 of pyruvate dehydrogenase complex, mitochondrial
K00627	dazi_transcript_53979	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 2 of pyruvate dehydrogenase complex, mitochondrial-like
K00627	dazi_transcript_57848	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 5 of pyruvate dehydrogenase complex, chloroplastic
K00627	dazi_transcript_60575	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 1 of pyruvate dehydrogenase complex, mitochondrial
K00627	dazi_transcript_20295	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 4 of pyruvate dehydrogenase complex, chloroplastic
K00627	dazi_transcript_2050	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 2 of pyruvate dehydrogenase complex, mitochondrial
K00627	dazi_transcript_2335	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	Dihydrolipoamide acetyltransferase, long form protein isoform 1
K00627	dazi_transcript_32891	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 4 of pyruvate dehydrogenase complex, chloroplastic
K00627	dazi_transcript_3301	pyruvate dehydrogenase E2 component (dihydrolipoamide acetyltransferase) [EC:2.3.1.12]	dihydrolipoyllysine-residue acetyltransferase component 5 of pyruvate dehydrogenase complex, chloroplastic
K00658	dazi_transcript_4014	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1, mitochondrial
K00658	dazi_transcript_40609	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1, mitochondrial
K00658	dazi_transcript_41229	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 2, mitochondrial-like
K00658	dazi_transcript_46843	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 2, mitochondrial-like
K00658	dazi_transcript_49663	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 2, mitochondrial-like
K00658	dazi_transcript_50576	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1, mitochondrial
K00658	dazi_transcript_57152	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1, mitochondrial
K00658	dazi_transcript_68919	2-oxoglutarate dehydrogenase E2 component (dihydrolipoamide succinyltransferase) [EC:2.3.1.61]	dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 2, mitochondrial-like

K00811	dazi_transcript_4554	aspartate aminotransferase, chloroplastic [EC:2.6.1.1]	aspartate aminotransferase, chloroplastic
K00811	dazi_transcript_56081	aspartate aminotransferase, chloroplastic [EC:2.6.1.1]	POPTRDRAFT_654206; aspartate aminotransferase 2 family protein
K00811	dazi_transcript_63682	aspartate aminotransferase, chloroplastic [EC:2.6.1.1]	aspartate aminotransferase, chloroplastic
K00811	dazi_transcript_7419	aspartate aminotransferase, chloroplastic [EC:2.6.1.1]	POPTRDRAFT_835828; aspartate aminotransferase 2 family protein
K00814	dazi_transcript_4056	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2
K00814	dazi_transcript_44461	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2
K00814	dazi_transcript_51771	alanine transaminase [EC:2.6.1.2]	hypothetical protein
K00814	dazi_transcript_53128	alanine transaminase [EC:2.6.1.2]	hypothetical protein
K00814	dazi_transcript_57670	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2, mitochondrial-like
K00814	dazi_transcript_60475	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2-like
K00814	dazi_transcript_63393	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2
K00814	dazi_transcript_2735	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2
K00814	dazi_transcript_34424	alanine transaminase [EC:2.6.1.2]	alanine aminotransferase 2-like
K00815	dazi_transcript_5045	tyrosine aminotransferase [EC:2.6.1.5]	probable aminotransferase TAT2
K00815	dazi_transcript_57141	tyrosine aminotransferase [EC:2.6.1.5]	POPTRDRAFT_568851; hypothetical protein
K00815	dazi_transcript_6220	tyrosine aminotransferase [EC:2.6.1.5]	POPTRDRAFT_568851; hypothetical protein
K00815	dazi_transcript_16279	tyrosine aminotransferase [EC:2.6.1.5]	POPTRDRAFT_568851; hypothetical protein
K00815	dazi_transcript_25491	tyrosine aminotransferase [EC:2.6.1.5]	POPTRDRAFT_568851; hypothetical protein
K00815	dazi_transcript_28692	tyrosine aminotransferase [EC:2.6.1.5]	probable aminotransferase TAT2
K00826	dazi_transcript_14876	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 5, chloroplastic-like
K00826	dazi_transcript_5603	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 5, chloroplastic-like
K00826	dazi_transcript_56951	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 5, chloroplastic-like
K00826	dazi_transcript_63522	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 5, chloroplastic-like
K00826	dazi_transcript_64406	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 2, chloroplastic-like
K00826	dazi_transcript_65618	branched-chain amino acid aminotransferase [EC:2.6.1.42]	Branched-chain amino acid aminotransferase 5/branched-chain amino acid transaminase 5 (BCAT5)
K00826	dazi_transcript_6675	branched-chain amino acid aminotransferase [EC:2.6.1.42]	BCAT2; branched-chain amino acid aminotransferase
K00826	dazi_transcript_69612	branched-chain amino acid aminotransferase [EC:2.6.1.42]	BCAT2; branched-chain amino acid aminotransferase
K00826	dazi_transcript_70265	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 2,

K00826	dazi_transcript_25426	branched-chain amino acid aminotransferase [EC:2.6.1.42]	chloroplastic branched-chain-amino-acid aminotransferase 3, chloroplastic
K00826	dazi_transcript_27896	branched-chain amino acid aminotransferase [EC:2.6.1.42]	branched-chain-amino-acid aminotransferase 5, chloroplastic-like
K00831	dazi_transcript_37351	phosphoserine aminotransferase [EC:2.6.1.52]	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
K00831	dazi_transcript_37440	phosphoserine aminotransferase [EC:2.6.1.52]	phosphoserine aminotransferase 2, chloroplastic
K00831	dazi_transcript_40255	phosphoserine aminotransferase [EC:2.6.1.52]	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
K00831	dazi_transcript_14565	phosphoserine aminotransferase [EC:2.6.1.52]	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
K00831	dazi_transcript_5536	phosphoserine aminotransferase [EC:2.6.1.52]	phosphoserine aminotransferase 2, chloroplastic
K00831	dazi_transcript_5613	phosphoserine aminotransferase [EC:2.6.1.52]	phosphoserine aminotransferase 2, chloroplastic
K00844	dazi_transcript_37294	hexokinase [EC:2.7.1.1]	hexokinase-2, chloroplastic
K00844	dazi_transcript_40004	hexokinase [EC:2.7.1.1]	hexokinase-2, chloroplastic
K00844	dazi_transcript_44421	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_50247	hexokinase [EC:2.7.1.1]	HXK1; hexokinase-1
K00844	dazi_transcript_54915	hexokinase [EC:2.7.1.1]	hexokinase-3-like
K00844	dazi_transcript_56172	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_56837	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_56965	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_60301	hexokinase [EC:2.7.1.1]	Hexokinase-like 1
K00844	dazi_transcript_61300	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_61569	hexokinase [EC:2.7.1.1]	hexokinase-3
K00844	dazi_transcript_64707	hexokinase [EC:2.7.1.1]	hexokinase-1
K00844	dazi_transcript_65033	hexokinase [EC:2.7.1.1]	hexokinase-2, chloroplastic
K00844	dazi_transcript_65346	hexokinase [EC:2.7.1.1]	hexokinase-2, chloroplastic
K00844	dazi_transcript_70680	hexokinase [EC:2.7.1.1]	hexokinase-3-like
K00844	dazi_transcript_23631	hexokinase [EC:2.7.1.1]	hexokinase-2, chloroplastic
K00844	dazi_transcript_26433	hexokinase [EC:2.7.1.1]	hexokinase-3-like
K00850	dazi_transcript_38033	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_39253	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 4, chloroplastic
K00850	dazi_transcript_39923	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_41864	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic

K00850	dazi_transcript_44031	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_48532	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_48585	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic-like
K00850	dazi_transcript_63655	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_71036	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 3
K00850	dazi_transcript_18078	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 3
K00850	dazi_transcript_2106	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 6-like
K00850	dazi_transcript_22345	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 3-like
K00850	dazi_transcript_23966	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 5, chloroplastic
K00850	dazi_transcript_24727	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 6
K00850	dazi_transcript_25276	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 3
K00850	dazi_transcript_26081	6-phosphofructokinase 1 [EC:2.7.1.11]	ATP-dependent 6-phosphofructokinase 6
K00873	dazi_transcript_3491	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_36346	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 2-like
K00873	dazi_transcript_37573	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 2, cytosolic-like
K00873	dazi_transcript_37909	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_37938	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_38633	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 4, chloroplastic
K00873	dazi_transcript_39804	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_39840	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_40544	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_40919	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_43092	pyruvate kinase [EC:2.7.1.40]	PK; pyruvate kinase
K00873	dazi_transcript_44169	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 2-like
K00873	dazi_transcript_45956	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 2-like
K00873	dazi_transcript_48439	pyruvate kinase [EC:2.7.1.40]	Plastidic pyruvate kinase beta subunit 1 isoform 1
K00873	dazi_transcript_1438	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic-like
K00873	dazi_transcript_51440	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 4, chloroplastic
K00873	dazi_transcript_53287	pyruvate kinase [EC:2.7.1.40]	PK; pyruvate kinase
K00873	dazi_transcript_54196	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 4, chloroplastic
K00873	dazi_transcript_57101	pyruvate kinase [EC:2.7.1.40]	PK; pyruvate kinase
K00873	dazi_transcript_57985	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_59479	pyruvate kinase [EC:2.7.1.40]	plastidial pyruvate kinase 2-like
K00873	dazi_transcript_59758	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme

K00873	dazi_transcript_59830	pyruvate kinase [EC:2.7.1.40]	Pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_60053	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_60862	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase family protein
K00873	dazi_transcript_64134	pyruvate kinase [EC:2.7.1.40]	Pyruvate kinase isozyme G, chloroplastic
K00873	dazi_transcript_68089	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_16492	pyruvate kinase [EC:2.7.1.40]	Pyruvate kinase family protein
K00873	dazi_transcript_16909	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_71045	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_17026	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_9096	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme-like
K00873	dazi_transcript_17916	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_20272	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_20982	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_22861	pyruvate kinase [EC:2.7.1.40]	Pyruvate kinase family protein isoform 1
K00873	dazi_transcript_25251	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_25395	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_2673	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase 1, cytosolic
K00873	dazi_transcript_2851	pyruvate kinase [EC:2.7.1.40]	POPTRDRAFT_660010; hypothetical protein
K00873	dazi_transcript_29460	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase isozyme A, chloroplastic
K00873	dazi_transcript_3076	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase, cytosolic isozyme
K00873	dazi_transcript_3166	pyruvate kinase [EC:2.7.1.40]	pyruvate kinase family protein
K00927	dazi_transcript_36237	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_4632	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_47919	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, chloroplastic
K00927	dazi_transcript_47944	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, chloroplastic
K00927	dazi_transcript_53507	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_54008	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic-like
K00927	dazi_transcript_5707	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_69684	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_70876	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, chloroplastic-like
K00927	dazi_transcript_21365	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase-like protein
K00927	dazi_transcript_23526	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic
K00927	dazi_transcript_30923	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, chloroplastic
K00927	dazi_transcript_31850	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, cytosolic

K00927	dazi_transcript_32596	phosphoglycerate kinase [EC:2.7.2.3]	phosphoglycerate kinase, chloroplastic
K01079	dazi_transcript_57162	phosphoserine phosphatase [EC:3.1.3.3]	phosphoserine phosphatase, chloroplastic
K01079	dazi_transcript_66420	phosphoserine phosphatase [EC:3.1.3.3]	phosphoserine phosphatase, chloroplastic
K01438	dazi_transcript_6559	acetylornithine deacetylase [EC:3.5.1.16]	acetylornithine deacetylase
K01620	dazi_transcript_23193	threonine aldolase [EC:4.1.2.48]	probable low-specificity L-threonine aldolase 1
K01620	dazi_transcript_34068	threonine aldolase [EC:4.1.2.48]	probable low-specificity L-threonine aldolase 1
K01623	dazi_transcript_40238	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_42920	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_43864	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase, cytoplasmic isozyme 1
K01623	dazi_transcript_44808	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_48183	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	hypothetical protein
K01623	dazi_transcript_48400	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_14352	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_49228	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_5430	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_5690	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_5705	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_6027	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_60332	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_6138	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_6142	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_6237	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_64747	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_6513	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_66273	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_66561	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_6957	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase, cytoplasmic isozyme 1
K01623	dazi_transcript_70475	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01623	dazi_transcript_7177	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_18657	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase 1, chloroplastic
K01623	dazi_transcript_20204	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_22055	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_23000	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	probable fructose-bisphosphate aldolase 3, chloroplastic
K01623	dazi_transcript_32632	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase, cytoplasmic isozyme 1

K01623	dazi_transcript_33083	fructose-bisphosphate aldolase, class I [EC:4.1.2.13]	fructose-bisphosphate aldolase cytoplasmic isozyme
K01647	dazi_transcript_37295	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_38737	citrate synthase [EC:2.3.3.1]	citrate synthase, glyoxysomal
K01647	dazi_transcript_3928	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_41833	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_4212	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_50836	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_56624	citrate synthase [EC:2.3.3.1]	citrate synthase, glyoxysomal
K01647	dazi_transcript_16951	citrate synthase [EC:2.3.3.1]	citrate synthase, mitochondrial
K01647	dazi_transcript_2891	citrate synthase [EC:2.3.3.1]	citrate synthase, glyoxysomal
K01647	dazi_transcript_3228	citrate synthase [EC:2.3.3.1]	citrate synthase, glyoxysomal
K01647	dazi_transcript_3341	citrate synthase [EC:2.3.3.1]	citrate synthase, glyoxysomal
K01679	dazi_transcript_35982	fumarate hydratase, class II [EC:4.2.1.2]	fumarate hydratase 1, mitochondrial
K01679	dazi_transcript_62313	fumarate hydratase, class II [EC:4.2.1.2]	hypothetical protein
K01679	dazi_transcript_68603	fumarate hydratase, class II [EC:4.2.1.2]	fumarate hydratase 1, mitochondrial
K01679	dazi_transcript_30757	fumarate hydratase, class II [EC:4.2.1.2]	fumarate hydratase 1, mitochondrial
K01681	dazi_transcript_46018	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_46026	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase
K01681	dazi_transcript_48506	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_48964	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_51091	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_54057	aconitate hydratase [EC:4.2.1.3]	putative aconitate hydratase, cytoplasmic
K01681	dazi_transcript_64398	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_19444	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_205	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_20628	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_210	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_243	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_249	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic-like
K01681	dazi_transcript_250	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01681	dazi_transcript_32137	aconitate hydratase [EC:4.2.1.3]	aconitate hydratase, cytoplasmic
K01687	dazi_transcript_9805	dihydroxy-acid dehydratase [EC:4.2.1.9]	dihydroxy-acid dehydratase, chloroplastic-like
K01687	dazi_transcript_1868	dihydroxy-acid dehydratase [EC:4.2.1.9]	dihydroxy-acid dehydratase, chloroplastic-like
K01687	dazi_transcript_2099	dihydroxy-acid dehydratase [EC:4.2.1.9]	dihydroxy-acid dehydratase-like

K01689	dazi_transcript_37881	enolase [EC:4.2.1.11]	cytosolic enolase 3
K01689	dazi_transcript_4206	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_42968	enolase [EC:4.2.1.11]	cytosolic enolase 3
K01689	dazi_transcript_43695	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_13788	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_4648	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_4760	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_48465	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_14504	enolase [EC:4.2.1.11]	bifunctional enolase 2/transcriptional activator-like
K01689	dazi_transcript_49592	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_50939	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_58980	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_58986	enolase [EC:4.2.1.11]	Enolase 1 isoform 1
K01689	dazi_transcript_62910	enolase [EC:4.2.1.11]	enolase 1, chloroplastic
K01689	dazi_transcript_8233	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_20519	enolase [EC:4.2.1.11]	enolase
K01689	dazi_transcript_20799	enolase [EC:4.2.1.11]	enolase 2-like
K01689	dazi_transcript_25640	enolase [EC:4.2.1.11]	cytosolic enolase 3
K01689	dazi_transcript_27630	enolase [EC:4.2.1.11]	enolase
K01736	dazi_transcript_36687	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_42131	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_47034	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_51304	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_5194	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_5628	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_56305	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_5859	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_15927	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_6244	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_62893	chorismate synthase [EC:4.2.3.5]	chorismate synthase 1, chloroplastic
K01736	dazi_transcript_70564	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_26441	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01736	dazi_transcript_33318	chorismate synthase [EC:4.2.3.5]	chorismate synthase 2, chloroplastic
K01738	dazi_transcript_42729	cysteine synthase A [EC:2.5.1.47]	cysteine synthase

K01738	dazi_transcript_43599	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_53291	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_53520	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_58886	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_59473	cysteine synthase A [EC:2.5.1.47]	hypothetical protein
K01738	dazi_transcript_6355	cysteine synthase A [EC:2.5.1.47]	cysteine synthase, chloroplastic/chromoplastic
K01738	dazi_transcript_64737	cysteine synthase A [EC:2.5.1.47]	Pyridoxal-5-phosphate-dependent enzyme family protein
K01738	dazi_transcript_16943	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_7429	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_7974	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_8377	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_18573	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01738	dazi_transcript_18904	cysteine synthase A [EC:2.5.1.47]	cysteine synthase
K01755	dazi_transcript_3727	argininosuccinate lyase [EC:4.3.2.1]	argininosuccinate lyase, chloroplastic
K01755	dazi_transcript_47110	argininosuccinate lyase [EC:4.3.2.1]	argininosuccinate lyase, chloroplastic
K01755	dazi_transcript_50240	argininosuccinate lyase [EC:4.3.2.1]	argininosuccinate lyase, chloroplastic
K01810	dazi_transcript_37633	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase 1, chloroplastic
K01810	dazi_transcript_45611	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase, cytosolic
K01810	dazi_transcript_47914	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_49496	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_57398	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase 1, chloroplastic
K01810	dazi_transcript_65464	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_66496	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase 1, chloroplastic
K01810	dazi_transcript_16598	glucose-6-phosphate isomerase [EC:5.3.1.9]	hypothetical protein
K01810	dazi_transcript_17147	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_9401	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_2628	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase
K01810	dazi_transcript_28872	glucose-6-phosphate isomerase [EC:5.3.1.9]	hypothetical protein
K01810	dazi_transcript_31813	glucose-6-phosphate isomerase [EC:5.3.1.9]	glucose-6-phosphate isomerase 1, chloroplastic
K01834	dazi_transcript_39416	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase [EC:5.4.2.11]	phosphoglycerate mutase
K01834	dazi_transcript_21328	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase [EC:5.4.2.11]	POPTRDRAFT_1071686; hypothetical protein
K01850	dazi_transcript_38108	chorismate mutase [EC:5.4.99.5]	chorismate mutase 1, chloroplastic-like
K01850	dazi_transcript_54708	chorismate mutase [EC:5.4.99.5]	Chorismate mutase 1

K01850	dazi_transcript_68193	chorismate mutase [EC:5.4.99.5]	chorismate mutase 3, chloroplastic
K01850	dazi_transcript_7223	chorismate mutase [EC:5.4.99.5]	Chorismate mutase 1
K01850	dazi_transcript_18766	chorismate mutase [EC:5.4.99.5]	Chorismate mutase 1
K01850	dazi_transcript_24174	chorismate mutase [EC:5.4.99.5]	chorismate mutase 2
K01850	dazi_transcript_34221	chorismate mutase [EC:5.4.99.5]	chorismate mutase 1, chloroplastic-like
K01899	dazi_transcript_67258	succinyl-CoA synthetase alpha subunit [EC:6.2.1.4 6.2.1.5]	probable succinyl-CoA ligase [ADP-forming] subunit alpha, mitochondrial
K01899	dazi_transcript_6843	succinyl-CoA synthetase alpha subunit [EC:6.2.1.4 6.2.1.5]	probable succinyl-CoA ligase [ADP-forming] subunit alpha, mitochondrial
K01899	dazi_transcript_7248	succinyl-CoA synthetase alpha subunit [EC:6.2.1.4 6.2.1.5]	succinyl-CoA ligase [ADP-forming] subunit alpha-2, mitochondrial
K01899	dazi_transcript_27266	succinyl-CoA synthetase alpha subunit [EC:6.2.1.4 6.2.1.5]	succinyl-CoA ligase [ADP-forming] subunit alpha-2, mitochondrial
K01900	dazi_transcript_5409	succinyl-CoA synthetase beta subunit [EC:6.2.1.4 6.2.1.5]	succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
K01900	dazi_transcript_65898	succinyl-CoA synthetase beta subunit [EC:6.2.1.4 6.2.1.5]	succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
K01900	dazi_transcript_19539	succinyl-CoA synthetase beta subunit [EC:6.2.1.4 6.2.1.5]	succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
K05298	dazi_transcript_10249	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase GAPA1, chloroplastic-like
K05298	dazi_transcript_39775	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_40655	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_4309	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_4854	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase A, chloroplastic-like
K05298	dazi_transcript_49473	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_4968	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic isoform X1
K05298	dazi_transcript_51230	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_52415	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic isoform X1
K05298	dazi_transcript_5397	glyceraldehyde-3-phosphate dehydrogenase (NADP+)	GAPDH; glyceraldehyde-3-phosphate dehydrogenase

		(phosphorylating) [EC:1.2.1.13]	
K05298	dazi_transcript_55610	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_5891	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_5895	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_59067	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_60273	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_61261	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_6149	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_64770	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase A, chloroplastic-like
K05298	dazi_transcript_65314	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_16285	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_6871	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_71195	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_8159	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K05298	dazi_transcript_9638	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic isoform X1
K05298	dazi_transcript_19586	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_20949	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_22332	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	hypothetical protein
K05298	dazi_transcript_24936	glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	GAPDH; glyceraldehyde-3-phosphate dehydrogenase
K05298	dazi_transcript_25063	glyceraldehyde-3-phosphate dehydrogenase (NADP+)	glyceraldehyde-3-phosphate dehydrogenase B,

K05298	dazi_transcript_30698	(phosphorylating) [EC:1.2.1.13] glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating) [EC:1.2.1.13]	chloroplastic glyceraldehyde-3-phosphate dehydrogenase B, chloroplastic
K13034	dazi_transcript_41591	L-3-cyanoalanine synthase/cysteine synthase [EC:2.5.1.47 4.4.1.9]	bifunctional L-3-cyanoalanine synthase/cysteine synthase 1, mitochondrial
K13832	dazi_transcript_34743	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	POPTRDRAFT_565769; dehydroquinate dehydratase family protein
K13832	dazi_transcript_3677	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH1; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_40484	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic-like
K13832	dazi_transcript_44309	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic-like
K13832	dazi_transcript_47696	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic-like
K13832	dazi_transcript_50467	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH2; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_51532	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic-like
K13832	dazi_transcript_51917	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH2; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_58804	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH1; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_60067	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH2; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_67289	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic-like
K13832	dazi_transcript_68382	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH1; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_18556	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_19811	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K13832	dazi_transcript_24239	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	hypothetical protein
K13832	dazi_transcript_26429	3-dehydroquinate dehydratase/shikimate dehydrogenase [EC:4.2.1.10 1.1.1.25]	SDH2; bifunctional 3-dehydroquinate dehydratase/shikimate dehydrogenase, chloroplastic
K14272	dazi_transcript_36298	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1

K14272	dazi_transcript_47846	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_48032	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	glutamate--glyoxylate aminotransferase 2
K14272	dazi_transcript_49143	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_53078	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_66290	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	glutamate--glyoxylate aminotransferase 2
K14272	dazi_transcript_66540	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	glutamate--glyoxylate aminotransferase 2
K14272	dazi_transcript_16741	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_17048	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_2866	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14272	dazi_transcript_31811	glutamate--glyoxylate aminotransferase [EC:2.6.1.4 2.6.1.2 2.6.1.44]	AlaT1
K14454	dazi_transcript_45097	aspartate aminotransferase, cytoplasmic [EC:2.6.1.1]	Aspartate aminotransferase 3
K14454	dazi_transcript_5023	aspartate aminotransferase, cytoplasmic [EC:2.6.1.1]	Aspartate aminotransferase 3
K14454	dazi_transcript_5253	aspartate aminotransferase, cytoplasmic [EC:2.6.1.1]	Aspartate aminotransferase 3
K14454	dazi_transcript_71497	aspartate aminotransferase, cytoplasmic [EC:2.6.1.1]	Aspartate aminotransferase 3
K14455	dazi_transcript_4843	aspartate aminotransferase, mitochondrial [EC:2.6.1.1]	aspartate aminotransferase, mitochondrial
K14455	dazi_transcript_5065	aspartate aminotransferase, mitochondrial [EC:2.6.1.1]	aspartate aminotransferase, mitochondrial
K14455	dazi_transcript_70000	aspartate aminotransferase, mitochondrial [EC:2.6.1.1]	aspartate aminotransferase, mitochondrial
K14455	dazi_transcript_24333	aspartate aminotransferase, mitochondrial [EC:2.6.1.1]	aspartate aminotransferase, mitochondrial
K14455	dazi_transcript_29900	aspartate aminotransferase, mitochondrial [EC:2.6.1.1]	hypothetical protein
K14677	dazi_transcript_41123	aminoacylase [EC:3.5.1.14]	aminoacylase-1
K14677	dazi_transcript_4598	aminoacylase [EC:3.5.1.14]	aminoacylase-1
K14677	dazi_transcript_66223	aminoacylase [EC:3.5.1.14]	hypothetical protein
K14677	dazi_transcript_29192	aminoacylase [EC:3.5.1.14]	aminoacylase-1-like
K14682	dazi_transcript_62808	amino-acid N-acetyltransferase [EC:2.3.1.1]	probable amino-acid acetyltransferase NAGS1, chloroplastic
K15227	dazi_transcript_13708	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_5364	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_55478	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic
K15227	dazi_transcript_58499	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_6446	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_71024	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_17080	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like
K15227	dazi_transcript_23420	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 1, chloroplastic
K15227	dazi_transcript_29990	arogenate dehydrogenase (NADP+), plant [EC:1.3.1.78]	arogenate dehydrogenase 2, chloroplastic-like

K15633	dazi_transcript_35804	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	putative 2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_38808	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_46131	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_57902	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_20006	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_21515	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_2314	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_2485	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_26314	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_2796	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15633	dazi_transcript_2876	2,3-bisphosphoglycerate-independent phosphoglycerate mutase [EC:5.4.2.12]	2,3-bisphosphoglycerate-independent phosphoglycerate mutase
K15634	dazi_transcript_4758	probable phosphoglycerate mutase [EC:5.4.2.12]	probable 2-carboxy-D-arabinitol-1-phosphatase
K15634	dazi_transcript_59202	probable phosphoglycerate mutase [EC:5.4.2.12]	phosphoglycerate mutase-like protein 4
K15634	dazi_transcript_59739	probable phosphoglycerate mutase [EC:5.4.2.12]	phosphoglycerate mutase-like protein 4
K15634	dazi_transcript_65185	probable phosphoglycerate mutase [EC:5.4.2.12]	phosphoglycerate mutase-like protein 4
K15634	dazi_transcript_9611	probable phosphoglycerate mutase [EC:5.4.2.12]	phosphoglycerate mutase-like protein 4

Table S5 Details of *AabHLH* gene family in *A. arguta* cv. Qinziyu.

Name	Transcript ID	Protein ID	Protein length/bp	Nr annotation
<i>AabHLH1</i>	dazi_transcript_65811	dazi_transcript_65811:224-589(+)	122	transcription factor BHLH036, partial [Vaccinium corymbosum]
<i>AabHLH2</i>	dazi_transcript_800	dazi_transcript_800:659-2380(+)	574	transcription factor BHLH017, partial [Vaccinium corymbosum]
<i>AabHLH3</i>	dazi_transcript_65208	dazi_transcript_65208:839-2560(+)	574	transcription factor BHLH017, partial [Vaccinium corymbosum]
<i>AabHLH4</i>	dazi_transcript_32207	dazi_transcript_32207:721-2262(+)	514	transcription factor BHLH017, partial [Vaccinium corymbosum]

<i>AabHLH5</i>	dazi_transcript_25170	dazi_transcript_25170:754-2457(+)	568	transcription factor BHLH017, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH6</i>	dazi_transcript_26462	dazi_transcript_26462:718-2433(+)	572	transcription factor BHLH017, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH7</i>	dazi_transcript_27074	dazi_transcript_27074:30-848(+)	273	transcription factor BHLH032, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH8</i>	dazi_transcript_66315	dazi_transcript_66315:415-939(+)	175	transcription factor BHLH032, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH9</i>	dazi_transcript_54058	dazi_transcript_54058:143-1009(+)	289	transcription factor BHLH032, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH10</i>	dazi_transcript_36784	dazi_transcript_36784:162-1031(+)	290	transcription factor BHLH032, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH11</i>	dazi_transcript_28857	dazi_transcript_28857:110-472(+)	121	transcription factor BHLH056, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH12</i>	dazi_transcript_33157	dazi_transcript_33157:134-1117(+)	328	transcription factor BHLH056, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH13</i>	dazi_transcript_71260	dazi_transcript_71260:699-1649(+)	317	PREDICTED: transcription factor bHLH30-like [<i>Gossypium arboreum</i>]
<i>AabHLH14</i>	dazi_transcript_70053	dazi_transcript_70053:564-1523(+)	320	PREDICTED: transcription factor bHLH30-like [<i>Gossypium arboreum</i>]
<i>AabHLH15</i>	dazi_transcript_50917	dazi_transcript_50917:612-2171(+)	520	bHLH5 protein [<i>Actinidia chinensis</i>]
<i>AabHLH16</i>	dazi_transcript_45520	dazi_transcript_45520:279-1169(+)	297	transcription factor bHLH30 [<i>Durio zibethinus</i>]
<i>AabHLH17</i>	dazi_transcript_42290	dazi_transcript_42290:272-1186(+)	305	HLH domain-containing protein [<i>Cephalotus follicularis</i>]
<i>AabHLH18</i>	dazi_transcript_60046	dazi_transcript_60046:20-811(+)	264	PREDICTED: transcription factor bHLH51-like [<i>Lupinus angustifolius</i>]
<i>AabHLH19</i>	dazi_transcript_48144	dazi_transcript_48144:126-1085(+)	320	transcription factor BHLH056, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH20</i>	dazi_transcript_17314	dazi_transcript_17314:86-817(+)	244	PREDICTED: transcription factor bHLH51-like [<i>Lupinus angustifolius</i>]
<i>AabHLH21</i>	dazi_transcript_32105	dazi_transcript_32105:1235-1756(+)	174	PREDICTED: transcription factor bHLH130 isoform X2 [<i>Vitis vinifera</i>]
<i>AabHLH22</i>	dazi_transcript_34399	dazi_transcript_34399:1109-1723(+)	205	PREDICTED: transcription factor bHLH130 isoform X2 [<i>Vitis vinifera</i>]
<i>AabHLH23</i>	dazi_transcript_30929	dazi_transcript_30929:117-887(+)	257	transcription factor BHLH047, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH24</i>	dazi_transcript_59812	dazi_transcript_59812:415-1092(+)	226	PREDICTED: transcription factor bHLH130 isoform X2 [<i>Vitis vinifera</i>]
<i>AabHLH25</i>	dazi_transcript_56358	dazi_transcript_56358:471-1247(+)	259	transcription factor BHLH031, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH26</i>	dazi_transcript_19282	dazi_transcript_19282:83-982(+)	300	PREDICTED: transcription factor bHLH93 [<i>Vitis vinifera</i>]
<i>AabHLH27</i>	dazi_transcript_5190	dazi_transcript_5190:86-1435(+)	450	PREDICTED: transcription factor bHLH66-like [<i>Populus euphratica</i>]
<i>AabHLH28</i>	dazi_transcript_35689	dazi_transcript_35689:1173-1595(+)	141	PREDICTED: transcription factor bHLH130-like [<i>Populus euphratica</i>]
<i>AabHLH29</i>	dazi_transcript_2212	dazi_transcript_2212:707-2005(+)	433	PREDICTED: transcription factor bHLH130 isoform X2 [<i>Vitis vinifera</i>]
<i>AabHLH30</i>	dazi_transcript_22300	dazi_transcript_22300:484-1776(+)	431	PREDICTED: transcription factor bHLH130 isoform X2 [<i>Vitis vinifera</i>]
<i>AabHLH31</i>	dazi_transcript_47866	dazi_transcript_47866:379-1170(+)	264	transcription factor BHLH031, partial [<i>Vaccinium corymbosum</i>]
<i>AabHLH32</i>	dazi_transcript_4490	dazi_transcript_4490:164-1513(+)	450	PREDICTED: transcription factor bHLH66 [<i>Ricinus communis</i>]
<i>AabHLH33</i>	dazi_transcript_4911	dazi_transcript_4911:86-1435(+)	450	PREDICTED: transcription factor bHLH66 [<i>Ricinus communis</i>]
<i>AabHLH34</i>	dazi_transcript_39029	dazi_transcript_39029:128-820(+)	231	bHLH3 protein [<i>Salvia miltiorrhiza</i>]
<i>AabHLH35</i>	dazi_transcript_38800	dazi_transcript_38800:55-1005(+)	317	PREDICTED: transcription factor bHLH93 isoform X1 [<i>Vitis vinifera</i>]
<i>AabHLH36</i>	dazi_transcript_56908	dazi_transcript_56908:124-987(+)	288	PREDICTED: transcription factor bHLH94-like [<i>Nelumbo nucifera</i>]
<i>AabHLH37</i>	dazi_transcript_8770	dazi_transcript_8770:135-998(+)	288	Transcription factor bHLH94 [<i>Capsicum chinense</i>]
<i>AabHLH38</i>	dazi_transcript_18305	dazi_transcript_18305:119-982(+)	288	PREDICTED: transcription factor bHLH94-like [<i>Nelumbo nucifera</i>]

<i>AabHLH39</i>	dazi_transcript_65784	dazi_transcript_65784:857-1270(+)	138	transcription factor bHLH30 [Durio zibethinus]
<i>AabHLH40</i>	dazi_transcript_33433	dazi_transcript_33433:44-484(+)	147	transcription factor BHLH014, partial [Vaccinium corymbosum]
<i>AabHLH41</i>	dazi_transcript_56087	dazi_transcript_56087:133-981(+)	283	transcription factor BHLH052, partial [Vaccinium corymbosum]
<i>AabHLH42</i>	dazi_transcript_38985	dazi_transcript_38985:321-1169(+)	283	transcription factor BHLH052, partial [Vaccinium corymbosum]
<i>AabHLH43</i>	dazi_transcript_40401	dazi_transcript_40401:230-1111(+)	294	PREDICTED: transcription factor bHLH96 [Nelumbo nucifera]
<i>AabHLH44</i>	dazi_transcript_42846	dazi_transcript_42846:98-979(+)	294	PREDICTED: transcription factor bHLH96 [Nelumbo nucifera]
<i>AabHLH45</i>	dazi_transcript_57194	dazi_transcript_57194:99-650(+)	184	transcription factor bHLH162 isoform X2 [Quercus suber]
<i>AabHLH46</i>	dazi_transcript_28786	dazi_transcript_28786:139-987(+)	283	PREDICTED: transcription factor bHLH79-like isoform X1 [Juglans regia]
<i>AabHLH47</i>	dazi_transcript_29731	dazi_transcript_29731:218-925(+)	236	PREDICTED: transcription factor bHLH79 isoform X3 [Ricinus communis]
<i>AabHLH48</i>	dazi_transcript_49593	dazi_transcript_49593:147-950(+)	268	transcription factor bHLH121 isoform X3 [Herrania umbratica]
<i>AabHLH49</i>	dazi_transcript_28068	dazi_transcript_28068:597-1841(+)	415	transcription factor BHLH003, partial [Vaccinium corymbosum]
<i>AabHLH50</i>	dazi_transcript_26484	dazi_transcript_26484:538-1782(+)	415	transcription factor BHLH003, partial [Vaccinium corymbosum]
<i>AabHLH51</i>	dazi_transcript_27437	dazi_transcript_27437:63-497(+)	145	PREDICTED: transcription factor bHLH140-like [Juglans regia]
<i>AabHLH52</i>	dazi_transcript_41213	dazi_transcript_41213:201-1070(+)	290	transcription factor BHLH053, partial [Vaccinium corymbosum]
<i>AabHLH53</i>	dazi_transcript_61839	dazi_transcript_61839:204-1070(+)	289	transcription factor BHLH053, partial [Vaccinium corymbosum]
<i>AabHLH54</i>	dazi_transcript_6831	dazi_transcript_6831:104-1135(+)	344	transcription factor bHLH128-like isoform X1 [Olea europaea var. sylvestris]
<i>AabHLH55</i>	dazi_transcript_59331	dazi_transcript_59331:77-823(+)	249	transcription factor bHLH30 [Morus notabilis]
<i>AabHLH56</i>	dazi_transcript_22766	dazi_transcript_22766:155-532(+)	126	transcription factor bHLH71-like [Olea europaea var. sylvestris]
<i>AabHLH57</i>	dazi_transcript_16392	dazi_transcript_16392:157-825(+)	223	transcription factor BHLH014, partial [Vaccinium corymbosum]
<i>AabHLH58</i>	dazi_transcript_29297	dazi_transcript_29297:674-1792(+)	373	transcription factor bHLH74 isoform X2 [Prunus persica]
<i>AabHLH59</i>	dazi_transcript_40764	dazi_transcript_40764:365-1375(+)	337	transcription factor bHLH48-like [Manihot esculenta]
<i>AabHLH60</i>	dazi_transcript_38896	dazi_transcript_38896:765-1895(+)	377	transcription factor BHLH057, partial [Vaccinium corymbosum]
<i>AabHLH61</i>	dazi_transcript_4216	dazi_transcript_4216:348-1391(+)	348	transcription factor bHLH48-like [Manihot esculenta]
<i>AabHLH62</i>	dazi_transcript_7904	dazi_transcript_7904:169-540(+)	124	PREDICTED: transcription factor bHLH71-like [Juglans regia]
<i>AabHLH63</i>	dazi_transcript_55505	dazi_transcript_55505:549-1562(+)	338	PREDICTED: transcription factor bHLH48 [Vitis vinifera]
<i>AabHLH64</i>	dazi_transcript_48284	dazi_transcript_48284:1111-2124(+)	338	PREDICTED: transcription factor bHLH48 [Vitis vinifera]

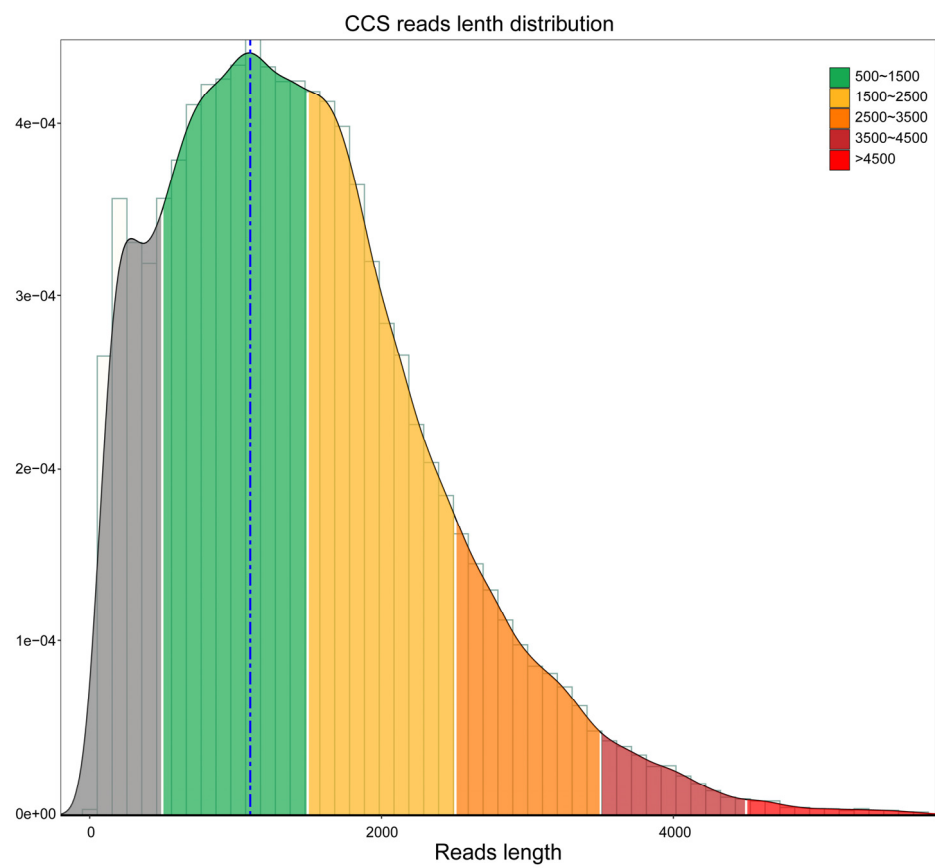


Figure S1. Length distributions of circular consensus (CCS) reads.

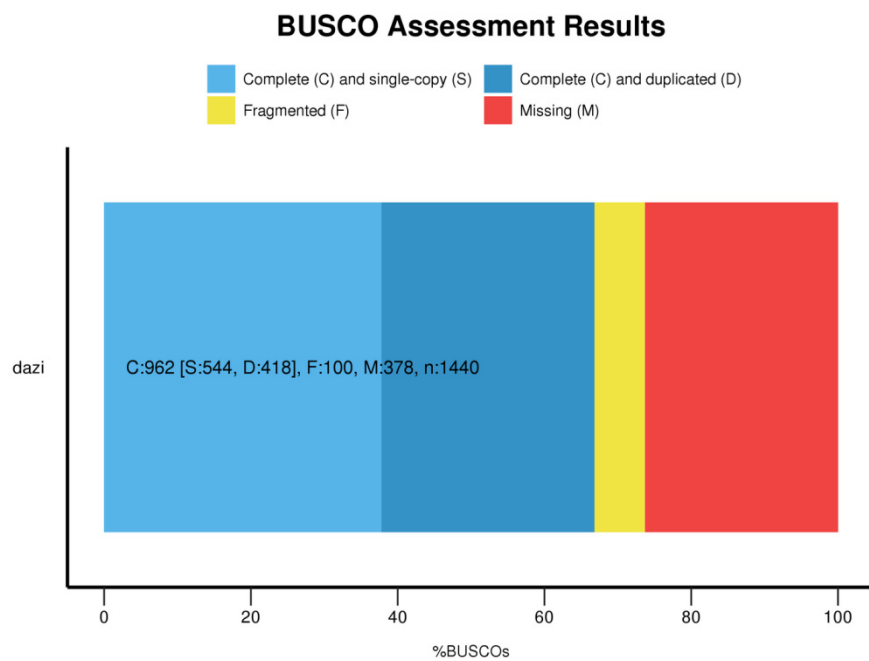


Figure S2. Statistics of BUSCO integrity assessment.

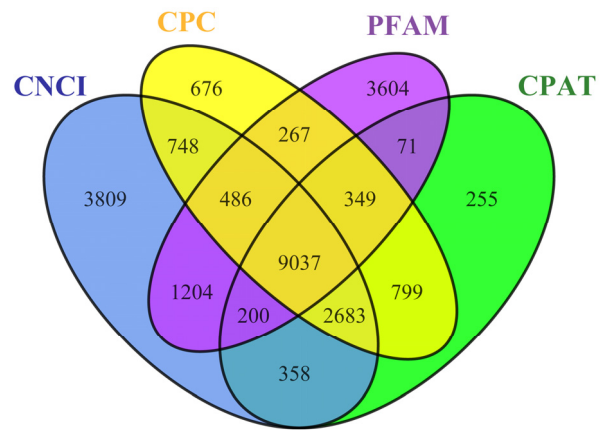


Figure S3. Venn diagram of long non-coding RNAs (lncRNAs). CPC: coding potential calculator; CNCI: coding-noncoding index; CPAT: coding potential assessment tool; Pfam: protein families.

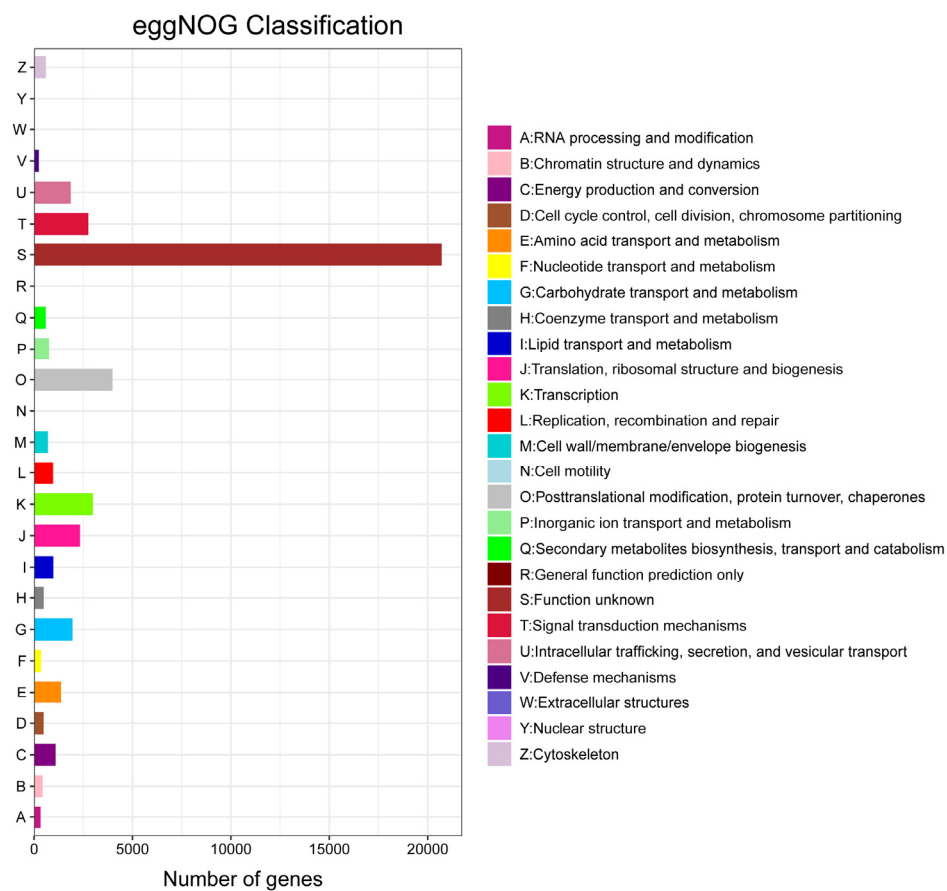


Figure S4. eggNOG classification of the assembled full-length transcripts in *A. arguta* cv. Qinziyu.