

Table S2. Gene Ontology results for the genes with altered expression levels in *rna14-1* and *rna15-1* mutants.

	GO term (GO ID) of up-regulated genes	<i>rna14-1</i> P-value	<i>rna15-1</i> P-value
catabolic processes	catabolic process (9056) cofactor catabolic process (51187) carboxylic acid catabolic process (46395) mitochondrion degradation (422)	3.07e-06 0.00394 0.00753	0.00599
response to stimulus	response to stimulus (50896) response to stress (6950) response to chemical stimulus (42221) response to organic substance (10033)	1.04e-05 0.00137 0.00830	0.00338 5.07e-06 0.00325
reproductive process	sexual reproduction (19953) sporulation (43934) reproductive process (22414/22413) conjugation with cellular fusion (747) response to pheromone (19236)	0.00329 0.00066 0.00690	4.79e-08 1.25e-07 1.63e-06 3.96e-05
Cell development	cell differentiation (30154) anatomical structure formation involved in morphogenesis (48646) anatomical structure development (48856)	0.00389 0.00066 0.00231	
others	energy derivation by oxidation of organic compounds (15980) tricarboxylic acid cycle (6099) glucose metabolic process (6006) multi-organism process (51704)	0.00312 0.00519	0.00764 4.19e-06

	GO term (GO ID) of down-regulated genes	<i>rna14-1</i> P-value	<i>rna15-1</i> P-value
localization	establishment of localization (51234) localization (51179)	0.00825 0.00182	7.61e-08 1.40e-08
glycoprotein processes	glycoprotein biosynthetic process (9101) macromolecule glycosylation (43413) protein amino acid glycosylation (6486) glycosylation (70085) glycoprotein metabolic process (9100) protein amino acid O-linked glycosylation (6493) protein amino acid N-linked glycosylation (6487)	1.26e-07 1.84e-07 1.84e-07 1.84e-07 2.31e-07 0.00132 0.00785	0.00224 0.00093 0.00093 0.00093 0.00312
lipoprotein processes	lipoprotein metabolic process (42157) lipoprotein biosynthetic process (42158) protein amino acid lipidation (6497)	0.00027 0.00027 0.00027	
transport	transport (6810) transition metal ion transport (41) metal ion transport (30001) copper ion import (15677) copper ion transmembrane transport (35434) cation transport (6812) copper ion transport (6825) ion transport (6811) ion transmembrane transport (34220) transmembrane transport (55085) iron ion transport (6826)		1.13e-07 2.60e-06 6.79e-06 0.00013 0.00037 0.00082 0.00100 0.00543 0.00590 0.00841 0.00999
others	cellular process (9987) cellular carbohydrate metabolic process (44262) carbohydrate metabolic process (5975)	0.00073 0.00088 0.00237	