Supplementary Table 3. Functional groups of CDS with variant events

Functional groups	Genes
ATP atpase	*accD*, *atpB*, *atpH*
Cytochrome b/f complex	*petA*
Envelope membrane protein	*ccsA*, *cemA*
Large subunit of Rubisco	*rbcL*
Maturase	*matK*
NADH dehydrohenase	*ndhF*, *ndhE*, *ndhH*, *ndhD*, *ndhJ*, *ndhB*
Phyotosystem	*psbC*, *psbH*, *psbN*, *psbB*, *psbD*, *psbA*, *psaC*
Ribosomal protein	*rps8*, *rpl22*, *rps3*, *rpl14*, *rpl20*, *rps4*, *rps12*
RNA polymerase	*rpoC1, rpoA, rpoB*
tRNA	*trnS-GCU*
Unknown function	*ycf1*, *ycf2*, *ycf3*, *ycf4*