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Supplementary Materials

Supplementary Figure 1. The sequence of *rbcL* gene from *Solanum macrocarpon*.

CAGAGACTAAAGCAAGTGTGGATTCAAAGCTGGTGTTAAAGAGTACAAAT
TGACTTATTATACTCCTGAGTACCAAACCAAGGATACTGATATATTGGCA
GCATTCCGAGTAACTCCTCAACCAGGAGTTCCACCTGAAGAAGCAGGGGC
CGCGGTAGCTGCCGAATCTTCTACTGGTACATGGACAACTGTATGGACCG
ATGGACTTACCAGTCTTGATCGTTACAAAGGGCGATGCTACCGCATCGAG
CGTGTTGTTGGAGAAAAAGATCAATATATTGCTTATGTAGCTTACCCTTT
AGACCTTTTTGAAGAAGGTTCCGTTACCAATATGTTTACTTCCATTGTAG
GTAATGTATTTGGGTTCAAAGCCCTGCGCGCTCTACGTCTGGAAGATCTG
CGAATCCCTCCTGCTTATGTTAAAACTTTCCAAGGTCCGCCTCATGGGAT
CCAAGTTGAAAGAGATAAATTGAACAAGTATGGTCGTCCCCTGTTGGGAT
GTACTATTAAACCTAAATTGGGGTTATCTGCTAAAAACTACGGTAGAGCT
GTTTATGAATGTCTTCGGG

Supplementary Table 1. Forward and reverse sequences of primer used.

Primers	Sequences
rbcLa–F	5′ ATGTCACCACAAACAGAGACTAAAGC 3′
rbcLa–R	5′ GTAAAATCAAGTCCACCRCG 3′

Supplementary Table 2. Preparation of PCR mixture.

PCR Components	Volume (µl)
Milli Q water	23.0
Template	1.0
10X Taq Buffer with MgCl2	3.0
5 pmol/µlrbcL	1.0
2.5 mMdNTPs	1.0
1 U/µlTaq DNA Polymerase	1.0
Total Reaction Volume	30.0

Supplementary Table 3. Thermo-cycler PCR condition for barcode amplification.

Steps	Temperature (˚C)	Time	No. of cycles	Step
Initial denaturation	95	5 min	1	Initial denaturation
Denaturation	95	30 sec	35	Denaturation

Supplementary Table 4. Thermo-cycler PCR condition for cycle sequencing reaction.

Steps	Temperature	Time	No. of cycles
Initial denaturation	96^{0}C	1 min	1
Denaturation	96^{0}C	10 sec	
Annealing	50^{0}C	5 sec	30
Extension	60^{0}C	4 min	
Final extension	60^{0}C	7 min	1