

Supplementary Material

Genome-wide analysis and expression divergence of *protein disulfide isomerase (PDI)* gene family members in chickpea (*Cicer arietinum*) under salt stress

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Table S1: List of chickpea genotypes with their names

Sr. No	Accession No.
1	TGK1508
2	TGK1720
3	D 072-11 GGPD19-20
4	92A260 (D) GGP-19
5	COOP-5-E
6	TGK1750
7	I GGPD 19-20
8	TGK1725
9	TGK1714
10	CH18-D-128 GGPD 19-20
11	COOP-3-L
12	TGK1733
13	TGK1612
14	TGK1724
15	TGK1501
16	TGK1739
17	TG1616 (D)
18	TGK1507
19	TGK1723
20	CH 03/12 GGPD 19-20

Table S2: PDI Primers used for PCR

Primer ID	Sequence
<i>CaPDI2-F</i>	ATTTATGCTCCCTGGTGTGGC
<i>CaPDI2-R</i>	AAGAAGAGTGGGGAACCCATCA
Primer ID	Sequence
<i>CaPDI8-F</i>	GCCAGATCTTGAGAAGAATGTGGG
<i>CaPDI8-R</i>	AATGGTAGGAGTGCCTGATAGAGG

Table S3: PP2A Primer used for PCR

Primer ID	Sequence
<i>CaPP2A-F</i>	GCAGTCAAAAGACAGAGTGC
<i>CaPP2A-R</i>	AACCAGACATGGTCGGATAGTC

Table S4: The Gene IDs of all species *Cicer arietinum*, *Cicer reticulatum*, *Lens culinaris*, *Oryza sativa*, *Phaseolus acutifolius*, *Pisum sativum*,

Specie	Gene ID	Given Name
<i>Cicer arietinum</i>	Ca_00525.1	CaPDI1
<i>Cicer arietinum</i>	Ca_18383.1	CaPDI2
<i>Cicer arietinum</i>	Ca_00188.1	CaPDI3
<i>Cicer arietinum</i>	Ca_13872.1	CaPDI4
<i>Cicer arietinum</i>	Ca_10119.1	CaPDI5
<i>Cicer arietinum</i>	Ca_09843.1	CaPDI6
<i>Cicer arietinum</i>	Ca_07993.1	CaPDI7
<i>Cicer arietinum</i>	Ca_03553.1	CaPDI8
Specie	Gene ID	Given Name
<i>Cicer reticulatum</i>	Cr_01336.1	CrPDI1
<i>Cicer reticulatum</i>	Cr_18459.1	CrPDI2
<i>Cicer reticulatum</i>	Cr_01071.1	CrPDI3
<i>Cicer reticulatum</i>	Cr_15685.1	CrPDI4
<i>Cicer reticulatum</i>	Cr_09902.1	CrPDI5
<i>Cicer reticulatum</i>	Cr_09595.1	CrPDI6
<i>Cicer reticulatum</i>	Cr_08619.1	CrPDI7
<i>Cicer reticulatum</i>	Cr_05336.1	CrPDI8
<i>Cicer reticulatum</i>	Cr_17895.1	CrPDI9
Specie	Gene ID	Given Name
<i>Lens culinaris</i>	Lcu.2RBY.4g031610.1	LcPDI1
<i>Lens culinaris</i>	Lcu.2RBY.2g090350.1	LcPDI2
<i>Lens culinaris</i>	Lcu.2RBY.5g042840.1	LcPDI3
<i>Lens culinaris</i>	Lcu.2RBY.1g019750.1	LcPDI4
<i>Lens culinaris</i>	Lcu.2RBY.2g092680.1	LcPDI5
<i>Lens culinaris</i>	Lcu.2RBY.3g050330.1	LcPDI6
<i>Lens culinaris</i>	Lcu.2RBY.4g034330.1	LcPDI7
<i>Lens culinaris</i>	Lcu.2RBY.1g053170.1	LcPDI8
<i>Lens culinaris</i>	Lcu.2RBY.4g073460.1	LcPDI9
<i>Lens culinaris</i>	Lcu.2RBY.3g067270.1	LcPDI10
<i>Lens culinaris</i>	Lcu.2RBY.6g056160.1	LcPDI11
<i>Lens culinaris</i>	Lcu.2RBY.3g010840.1	LcPDI12
<i>Lens culinaris</i>	Lcu.2RBY.1g030250.1	LcPDI13

<i>Lens culinaris</i>	Lcu.2RBY.1g045920.1	LcPDI14
<i>Lens culinaris</i>	Lcu.2RBY.1g052770.1	LcPDI15
<i>Lens culinaris</i>	Lcu.2RBY.6g066750.1	LcPDI16
<i>Lens culinaris</i>	Lcu.2RBY.5g059700.1	LcPDI17
<i>Lens culinaris</i>	Lcu.2RBY.1g036350.1	LcPDI18
Specie	Gene ID	Given Name
<i>Oryza sativa</i>	LOC_Os10g34390.1	OsPDI1
<i>Oryza sativa</i>	LOC_Os08g31814.1	OsPDI2
<i>Oryza sativa</i>	LOC_Os08g29110.1	OsPDI3
<i>Oryza sativa</i>	LOC_Os04g44830.1	OsPDI4
<i>Oryza sativa</i>	LOC_Os04g35290.1	OsPDI5
<i>Oryza sativa</i>	LOC_Os04g57930.1	OsPDI6
<i>Oryza sativa</i>	LOC_Os04g35600.1	OsPDI7
<i>Oryza sativa</i>	LOC_Os04g36640.1	OsPDI8
<i>Oryza sativa</i>	LOC_Os07g09310.1	OsPDI9
<i>Oryza sativa</i>	LOC_Os07g34030.1	OsPDI10
<i>Oryza sativa</i>	LOC_Os07g08840.1	OsPDI11
<i>Oryza sativa</i>	LOC_Os07g32570.1	OsPDI12
<i>Oryza sativa</i>	LOC_Os07g46410.1	OsPDI13
<i>Oryza sativa</i>	LOC_Os01g23740.1	OsPDI14
<i>Oryza sativa</i>	LOC_Os01g07376.1	OsPDI15
<i>Oryza sativa</i>	LOC_Os01g73234.1	OsPDI16
<i>Oryza sativa</i>	LOC_Os03g17860.1	OsPDI17
<i>Oryza sativa</i>	LOC_Os03g58630.1	OsPDI18
<i>Oryza sativa</i>	LOC_Os02g42700.1	OsPDI19
<i>Oryza sativa</i>	LOC_Os02g34940.1	OsPDI20
<i>Oryza sativa</i>	LOC_Os02g34530.1	OsPDI21
<i>Oryza sativa</i>	LOC_Os02g01010.1	OsPDI22
<i>Oryza sativa</i>	LOC_Os02g51850.1	OsPDI23
<i>Oryza sativa</i>	LOC_Os09g27830.1	OsPDI24
<i>Oryza sativa</i>	LOC_Os06g11740.1	OsPDI25
<i>Oryza sativa</i>	LOC_Os06g45510.1	OsPDI26
<i>Oryza sativa</i>	LOC_Os06g06790.1	OsPDI27
<i>Oryza sativa</i>	LOC_Os12g08730.1	OsPDI28
<i>Oryza sativa</i>	LOC_Os05g06430.1	OsPDI29
<i>Oryza sativa</i>	LOC_Os05g47930.1	OsPDI30
<i>Oryza sativa</i>	LOC_Os11g09280.1	OsPDI31
Specie	Gene ID	Given Name
<i>Phaseolus acutifolius</i>	Phacu.WLD.005G174900.1	PaPDI1
<i>Phaseolus acutifolius</i>	Phacu.WLD.011G087000.1	PaPDI2
<i>Phaseolus acutifolius</i>	Phacu.WLD.005G208800.1	PaPDI3
<i>Phaseolus acutifolius</i>	Phacu.WLD.009G060200.1	PaPDI4
<i>Phaseolus acutifolius</i>	Phacu.WLD.009G060100.1	PaPDI5

<i>Phaseolus acutifolius</i>	Phacu.WLD.007G094900.1	PaPDI6
<i>Phaseolus acutifolius</i>	Phacu.WLD.007G257600.1	PaPDI7
<i>Phaseolus acutifolius</i>	Phacu.WLD.008G229700.1	PaPDI8
<i>Phaseolus acutifolius</i>	Phacu.WLD.001G264800.1	PaPDI9
Specie	Gene ID	Given Name
<i>Pisum sativum</i>	Psat5g278320.1	PsPDI1
<i>Pisum sativum</i>	Psat7g225200.1	PsPDI2
<i>Pisum sativum</i>	Psat5g298280.1	PsPDI3
<i>Pisum sativum</i>	Psat5g086440.1	PsPDI4
<i>Pisum sativum</i>	Psat6g163280.1	PsPDI5
<i>Pisum sativum</i>	Psat3g013080.1	PsPDI6
<i>Pisum sativum</i>	Psat3g068120.1	PsPDI7
<i>Pisum sativum</i>	Psat2g026680.1	PsPDI8