

Table S 2: List of cisNATs in *O. sativa*. (a),(b),(c):control, drought and salt stress conditions, respectively.

sense	antisense	condition	annotation of sense transcript	annotation of antisense transcript
Os01g60640	Os01g60650	c <sup>(a)</sup>	OsWRKY21 - WRKY and zinc finger domains	non-green plastid inner envelope membrane protein
Os02g57060	Os02g57070	c	C-terminal protease precursor, putative	3-5 exoribonuclease CSL4, putative
Os03g46390	Os03g46400	c	ras-related protein RHN1, putative	flavonol-3-O-glycoside-7-O-glucosyltransferase 1
Os04g23630	Os04g23640	c	expressed protein	ATP binding protein, putative
Os04g55420	Os04g55424	c	protein binding protein, putative	expressed protein
Os06g01980	Os06g01990	c	cell division control protein 48 homolog C	phosphoglycolate phosphatase, plasmid, putative
Os06g40710	Os06g40720	c	MYB-CC type transfactor, putative	calcium ion binding protein, putative
Os07g08400	Os07g08410	c	ATP binding protein, putative	expressed protein
Os08g29160	Os08g29170	c	protein tyrosine/serine/threonine phosphatase	quinone oxidoreductase-like protein At1g23740
Os10g36634	Os09g27980	c	hypothetical protein	transmembrane emp24 domain-containing protein
Os12g39620	Os12g39630	c	disease resistance protein, putative	serine/threonine-protein kinase SAPK9, putative
Os01g53720	Os01g53730	d <sup>(b)</sup>	ubiquitin-protein ligase/ zinc ion binding protein	patatin-like phospholipase family protein
Os01g55640	Os01g55650	d	receptor-like protein kinase 5 precursor	AAP8, putative
Os01g56000	Os01g56010	d	protein kinase G11A, putative	transcription initiation factor, putative
Os01g62880	Os01g62890	d	PDE317, putative	actin binding protein, putative
Os01g64770	Os01g64780	d	WRKY transcription factor 19, putative	tetratricopeptide-like helical, putative
Os01g65650	Os01g65660	d	metal tolerance protein C3, putative	replication factor C subunit 3, putative
Os02g43740	Os02g43750	d	expressed protein	expressed protein
Os02g50560	Os02g50570	d	agmatine deiminase, putative	expressed protein
Os02g53040	Os02g53050	d	dioxygenase RAMOSUS5, putative	expressed protein
Os02g53490	Os02g53500	d	expressed protein	N-terminal acetyltransferase complex ARD1 subunit
Os03g02762	Os03g02770	d	MYND finger family protein	pollen-specific kinase partner protein, putative
Os03g17300	Os03g17310	d	serine/threonine-protein kinase AtPK19	eukaryotic translation initiation factor 2 beta subunit
Os03g23909	Os03g23920	d	expressed protein	chlorophyllide a oxygenase, chloroplast precursor
Os03g53140	Os03g53150	s <sup>(c)</sup>	expressed protein	expressed protein
Os04g39210	Os04g39220	s	RNA recognition motif family protein	protein Z, putative
Os04g46470	Os04g46480	s	aldose reductase, putative	PRA1 family protein
Os04g54320	Os04g54330	s	retrotransposon protein, putative, unclassified	COV1-like protein, putative
Os04g57430	Os04g57440	s	protein kinase, putative	calcium-transporting ATPase 2
Os04g57880	Os04g57890	s	vegetable incompatibility protein HET-E-1	expressed protein
Os04g58240	Os04g58250	s	protein transport protein Sec23A, putative	Auxin-responsive Aux/IAA gene family member
Os05g39760	Os05g39770	s	leucine-rich repeat, plant specific, putative	cysteine protease 1 precursor, putative
Os06g43270	Os06g43280	s	dnaJ domain containing protein	oligosaccharyl transferase STT3 subunit, putative
Os06g50240	Os06g50250	s	expressed protein	ATP binding protein, putative
Os07g13969	Os07g13980	s	protein transporter, putative	alanine-glyoxylate aminotransferase 2 homolog 2
Os07g29770	Os07g29780	s	protein kinase domain containing protein	elongator component, putative
Os07g48290	Os07g48300	s	SCUTL1, putative	conserved hypothetical protein
Os09g39760	Os09g39770	s	expressed protein	glucose-1-phosphate adenylyltransferase subunit
Os10g21460	Os10g21470	s	pectinesterase-2 precursor, putative	C2 domain containing protein
Os10g41770	Os10g41780	s	expressed protein	expressed protein
Os05g01480	Os05g01490	c d	ras-related protein Rab11C, putative	GTP-binding protein YPTM1, putative
Os06g44140	Os06g44144	c d	transmembrane 9 superfamily protein member 4	expressed protein
Os09g07350	Os09g07360	c d	fasciclin-like arabinogalactan protein 8	ABI3-interacting protein 2, putative
Os01g56670	Os01g56680	c s	ER degradation-enhancing alpha-mannosidase	photosystem II reaction center W protein
Os02g49230	Os02g49240	c s	zinc finger protein CONSTANS-LIKE 11	expressed protein
Os03g13540	Os03g13550	c s	purple acid phosphatase 1, putative, expressed	oxidoreductase, putative, expressed
Os10g30590	Os10g30600	c s	tetratricopeptide-like helical, putative	protein kinase APK1A, chloroplast precursor
Os02g51820	Os02g51830	d s	expressed protein	histidyl-tRNA synthetase, putative
Os12g06180	Os12g06190	d s	pathogenicity protein PATH531-like protein	expressed protein