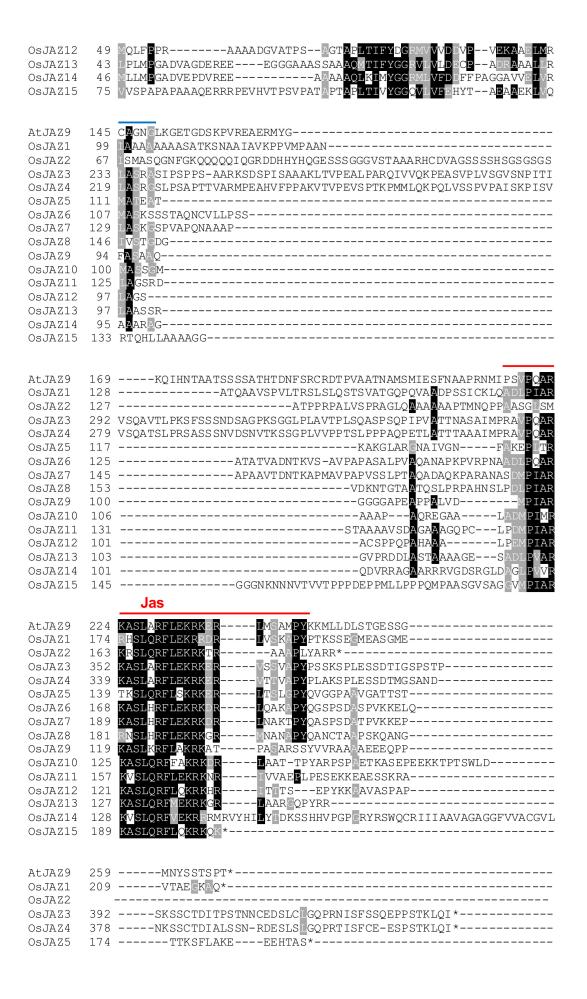
Supplementary files

SUPPLEMENTARY FIGURES

AtJAZ9	1	MERDFLGLSDKQYLSNNVKHEVNDDAVEE
OsJAZ1	1	
OsJAZ2	1	
OsJAZ3	1	MERDFLGAIWRKEEAAGKPEEHSVSRDADYRGGGGG-ASAAMQWQFPATKVGAASSAFMS
OsJAZ4	1	MERDFLGAIGKDEEQRRHAEERKESDYFGAGGGAAAAAMDWSFASRAALMS
OsJAZ5		MSTRAPVE
OSJAZ6	1	M
	1	MA
OsJAZ7	1	MA
OsJAZ8	1	MA
OsJAZ9	1	
OsJAZ10	1	
OsJAZ11	1	MAGS SEQQ
OsJAZ12	1	MAGS SEQQ
OsJAZ13	1	
OsJAZ14	1	
OsJAZ15	1	
OSUAZIJ	Τ.	
		CMID
AtJAZ9	30	RGLSTKAAREWGKSKVFATSSFMPSSDFQEAKAFPGAYQWGSV
OsJAZ1	1	MDLLEK NI KKGEV EEE VARKGEERKEE
OSJAZI OSJAZ2	1	MAEERRRDD GCDVEVELS RLRTGDDSTSADPAPAT
	Τ	FINGLA A A A DEED DONE A A VIDA DEGLE COLLADA DA DA DA DA DA DA DEGLE COLLADA DA DEGLE COLLADA DA DEGLE COLLADA DA DEGLE COLLADA
OsJAZ3	60	FRSSAAAAREE DPKEAAVFDRFSLSG RPPPRPSPGDAFDGAAAMKQRQFGFNGRQQYAA
OsJAZ4	52	FRSSSSAAAAAAREETRE AFPHFSALDGAKMQQASHVLARQKSFGAESHGIPQYAA
OsJAZ5	9	LDFLGLRAAAADADDRHAKSGCSSASSSSSIRCM
OsJAZ6	2	ASAKSGERGSSSFAMACSLLSRYVRQNGAAAGELGLGI
OsJAZ7	3	ASARPVGVGGER-ATSFAMACSILSRYVRQNGAAAAELGLGI
OsJAZ8	3	GRATATATA AGKDRS S FA VT <mark>C</mark> SL LS QF LKEKKGGGGGLQGLGLGLRPAPAAPPA
OsJAZ9		MASTDPMTRRFAVACGVLSQYVKANSSQPST
OsJAZ10	1	MAMEGKSR-RFAVACGVLSQYVRAEQKMAAA
OSJAZ11	7	LVANAAATTVAGNGSRFAVTCGLLRQYMKEHSGSNGGGGFLPAVTAMSLMTGGA
	9	LVANAAAI IVAGNGSK AVICGURQ IMMENSGSNGGGGG LPAVIAMSLMIGGA
OsJAZ12	Τ	PPVTVLEA
OsJAZ13	1	MAAEAAATSR FA AA <mark>CC</mark> A LS QYVRAADNVHRA
OsJAZ14	1	MAVSDHHCGGGGRSWRFAVACGVLSRCVKAEAAA
OsJAZ15	7	AGGGAMLPAAARRGQPPQPPCMTTAPEQQAAAGGAVIWPAAA
7. 77.70	70	
AtJAZ9	73	SAANVFRRCQFGGA EVVVEEKSHQQ
OsJAZ1	30	EVVVEEKSHQQ
OsJAZ2	40	EARRN
OsJAZ3	120	
OsJAZ4	109	AAAVH AHRGQPPHVLNGARVIPASSPFNPNNPMFRVQSSPNLPNAVGAGGGAETSAIARIGPH
OsJAZ5	43	ETSATAR
OSJAZ6	40	RGEADANKGKET
OSJAZ7	44	RGEGEAPRAAPATMSLLPGEAERKKET
OsJAZ8	57	AGACGAFREPPTTMNLLSGLDAPAVEVEPNT
OsJAZ9	32	AAPVAQGVSGL AGAAPARAVTT DAEEEAPEVRKT
OsJAZ10	31	ACAA PARAVTT
OsJAZ11	63	DAEEEAPEVRKT
OsJAZ12	37	VAEEEEEEDART
OsJAZ13	32	RTAAAAA—————AVRP
OsJAZ14	3.5	AANCRHRHPT
OsJAZ15	49	AANGRHRHHPT AAEAKEKMVVDARTMQLFPTRSADGV
00011010		
		TIFY
AtJAZ9	87	FQNATPLLLGGSVPLPTHPSLVPRVASS SSPQLTIFYGGT SVFNDISPDKAQA MLQQQQGEEELVGLSLAGGRPKVFPMSSPPPNPSQLTIFYGGSVCVVDSVFPEKAQA ML
OsJAZ1	41	OOOGEEELVGLSLAGGRPKVFPMSSPPPNPSOLTIFYGGSVCVVDSVPPEKAOA ML
OsJAZ2	45	ITTPYNCRMCAVNVTBIOARTT
OSJAZ3	175	YRNQSFSVGNSVAGSTVGVYGGPRDLQNPKVTQMTIFYDGLVNVFDNIPVEKAQELML
OSJAZ3	160	EKUDDES WUNDAYA COLACAAC - LIDUWDK WKY YOT LIEN CONVINE WING - DISKY OF TWE
	T 0 Z	FKQPPFAMGNAVAGSTVGVYG-TRDMPKAKAAQLTIFYAGSVNVFNNVSPEKAQELMF LLRRVIAAAGPPPPPSTAPVPEEMPGAAAAAPPMTLFYNGSVAVFDVSHDKAEAIMR
OsJAZ5		LKKV IAAAGPPPPPSTAPV PEEMPGAA AAAPVII FYNGSVAVEDVSHDKAEA MR
OsJAZ6	52	MELFPQNSGFG-SEAAAVKETPDAREQEKRQLTIFYGGKVLVFDDFPAEKAKDLMQ
OsJAZ7	71	MELFPQSAGFGQQDAITADSAADAREQEPEKRQLTIFYGGKVLVFNDFPADKAKGLMQ AETAADELPLIKAPADQQSDESASEAAGEKAQQLTIFYGGKVVVFDNFPSTKVKDLLQ
OsJAZ8	88	AETAADELPLIKAPADQQSDESASEAAGEKAQQLTIFYGGKVVVF NFPSTKVKDLLQ
OsJAZ9	43	MAAAAAAAAAPVVQEPGCEVDGGGQQFTIFYAGKVVVIDRCTPAMAARLMR
OsJAZ10	42	LSLMPGAEVVVEEEERREVGEEEAGPATAPAAPLTIFYGGRMVVFEDFPADKAAEVMR
OsJAZ11	75	MELFPQQAGTLKDTQERKEITEKAQLTIFYGGSVVVFDDFPAEKAGELMK
_	-	



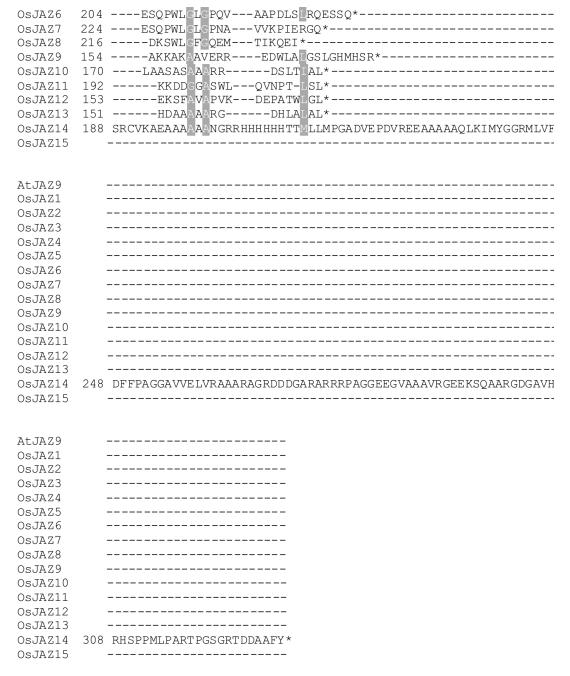


Figure S1. Alignment of OsJAZ family proteins in rice

Amino acid sequences of OsJAZ proteins in rice and AtJAZ9 were aligned using the ClustalW program. The semi-conserved domain, CMID, TIFY and Jas motif are underlined with green, blue and red lines. Black shading indicates identical residues and grey shading indicates less conserved residues.

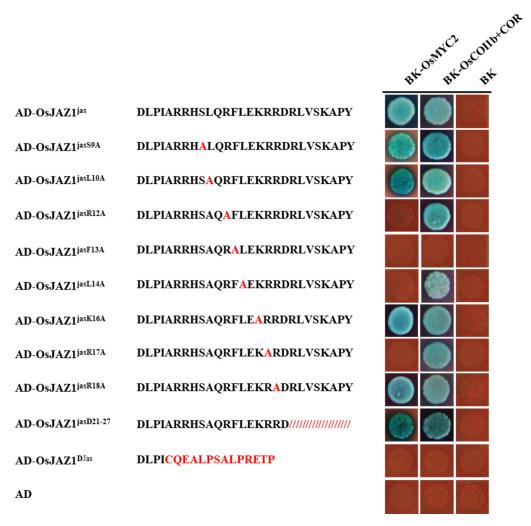


Figure S2. Protein-protein interactions between OsJAZ1 and OsCOI1b or OsMYC2

To detect the interaction between OsCOI1b and OsJAZ variants, 30 μ M coronatine was applied in the SD -Trp/-Leu/-His/-Ade medium plates.

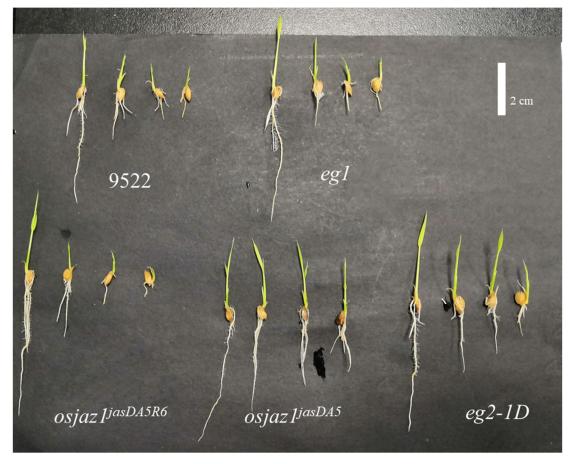


Figure S3. Phenotypes of root growth under 0, 5, 10 or 15 μM MeJA treatment

All the seeds were germinated and grown for 3 days and then treated with the different concentrations of MeJA for 5 days. Note that the root length is longer in *osjaz1*^{jasDA5} and *eg2-1D* plants than in *osjaz1*^{jasDA5R6}, *eg1* and wild type 9522 under higher MeJA treatment. Scale bars=2 cm.

Table S1. Primers used in this study.

Click here to Download Table S1