

**Morphological analysis, protein profiling and expression analysis of auxin homeostasis genes of roots of two contrasting cultivars of rice provide inputs on mechanisms involved in rice adaptation towards salinity stress**

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**Supplementary Material**

**Table S1.** List of primers used for quantitative real time polymerase chain reaction.

Gene	Locus ID	Forward primer	Reverse Primer
<i>OsYUCCA1</i>	LOC_Os01g45760	5'- GGACGCTAGACCACATCAAATC- 3'	5'-AATTGCTCCTCCTTGCCATC-3'
<i>OsYUCCA2</i>	LOC_Os05g452	5'-	5'-GTAACCCGTGGCGAGTATAATG-3'

	40	CATCAAGGTGTATCCGGAGTTG-3'	
<i>OsYUCCA3</i>	LOC_Os01g53200	5'-GATTGATGGCCTAGACGACTTC-3'	5'-CACTCCCAACAACGAGAACA-3'
<i>OsYUCCA4</i>	LOC_Os01g12490	5'-GAACCCTAGCCAAGATCAAGTC-3'	5'-AGTGCTGCCATCCACAAA-3'
<i>OsYUCCA5</i>	LOC_Os12g32750	5'-CCTCTCAGTGTTCTTCTCAAG-3'	5'-CGGAGGCCGTATTTCTCAAT-3'
<i>OsYUCCA6</i>	LOC_Os07g25540	5'-TCATACTGGCCACCGGATA-3'	5'-TTCCAACCATCTGGGAATGG-3'
<i>OsYUCCA7</i>	LOC_Os04g03980	5'-CGACATCAACCCGCTCTT-3'	5'-GCTGCCAATGTACTCCATCT-3'
<i>OsYUCCA8</i>	LOC_Os04g03980	5'-GGCCCATTGGAGATCAAGAA-3'	5'-CTCCACCTCCGGTACTATCTT-3'
<i>OsYUCCA9</i>	LOC_Os01g16714.1	5'-GAATCTACGGCAGCTACGAG-3'	5'-AGCCATTGTTGTGGGTAGG-3'
<i>OsPIN1a</i>	LOC_Os02g50960	5'-GACCTCCACATGTTCTGTCTG-3'	5'-GTCCTTCGCTCCATCCATTT-3'
<i>OsPIN1b</i>	LOC_Os11g64190	5'-GAATCGTGCCCTTTGTGTTTG-3'	5'-GAGCAATCAGCATCCCGAATA-3'
<i>OsPIN1c</i>	LOC_Os06g12610	5'-ATCACCTCTTCTCCCTCTC-3'	5'-GATCTGCACCATGAGGCTAC-3'
<i>OsPIN1d</i>	LOC_Os12g04000	5'-CGGTCGATTTCGATCCTTTCA	5'-GCATACGAAGCAAGGGAGTT-3'
<i>OsPIN2</i>	LOC_Os06g44970	5'-AGGCATTGTCCCGTTTGT-3'	5'-GTAGAGTATCGTGATCGGAAGC-3'
<i>OsPIN3a</i>	LOC_Os01g45550	5'-ACACTTACTCCAGCCTCCT-3'	5'-GAGATGGACTTCTCGACGATTG-3'
<i>OsPIN5a</i>	LOC_Os01g69090	5'-CCCTACCTCAATCCATCACATC-3'	5'-GTAGGGAGACAAGCATTCCAA-3'
<i>OsPIN5b</i>	LOC_Os09g32770	5'-ACAGGTGGCATGTCGAAAC-3'	5'-CTGCAACGCCATGAACAAAC-3'
<i>OsPIN9</i>	LOC_Os01g58860	5'-AAGCTTCCTTGGCCTCATC-3'	5'-GGTACGAATGGTGAACAGAGAG-3'

<i>OsGH3.8</i>	LOC_Os07g402 90.1	5'- CTCTACTTCCTGTTTCGTCAAGTC- 3'	5'-TTGAAGTGGTCGCTCTTGTAG
<i>OsGH3.13</i>	LOC_Os11g325 10	5'- CACTACGTGCCACCTTGTCTT-3'	5'-GTGTCCTCTTCTGGGA-3'
<i>OsTIR1</i>	LOC_Os05g058 00	5'- GACCAGATGTCACAACCTGAA-3'	5'-CAACTAGCTGAGGAGCCTTATG-3'
<i>OsAFB2</i>	LOC_Os04g324 60	5'-GGTTCAGGGCTCTTGTTCCTTA- 3'	5'-CCTCGATCCTCCACTTCATTT-3'
<i>OsABP1</i>	LOC_Os12g344 60	5'- AAAGGGAAAGGGACACTCTTG- 3'	5'-ACCTGGTGCGGATCATTAC-3'
<i>OsARF1</i>	LOC_Os11g321 10	5'- GGAAGATCCTGTGTGAGGTTATG -3'	5'-CTCCTCAGTAGAGCCGTTATCT-3'
<i>OsARF2</i>	LOC_Os01g702 70	5'- CGAGCCCTTCAGAGTTCATTAT- 3'	5'-TGCCTCTTCTCCTTCAAACC-3'
<i>OsARF16</i>	LOC_Os01g135 20	5'-CGTCTGTTTGGTGTGGATTG- 3'	5'-TCGTGAGAACCAGTACCTTTG-3'
<i>OsAUX/IAA1</i>	LOC_Os01g083 20	5'-CCCTGGAAGATGTTTGTGGA-3'	5'-GGCTCTTGGTGCTAAGTTGA-3'
<i>OsAUX/IAA4</i>	LOC_Os01g183 60	5'-ATGTTCAAGACGCCCATCA-3'	5'-GTCTTCATAGGTGAGGACATGG-3'
<i>CIPK21</i>	LOC_Os07g442 90	5'- CCGGAGAATGTCCTAGTTGATG- 3'	5'-CACATGTGGTATGCAACAATCC-3'
<i>CCoA9</i>	Os04g0100075	5'-ACCTGGTGTCCAACCTCT-3'	5'-ATGTGGAAGAACGGCATGAG-3'
<i>B-glu</i>	LOC_Os04g398 80	5'-TACCACAAGCACCTCCTTTC-3'	5'-CGTTCGACCACTCGAAGTTAT-3'
<i>PSK</i>	LOC_Os03g010 08.1	5'- GGAAACTACGATGGTAGAGTGG- 3'	5'-TAGTCCAGATGAGCCACGA-3'
<i>P5CS</i>	LOC_Os05g381 50	5'- GGTACCGGAAGCTTGTCAATAG- 3'	5'-GTAAAGAGCCATCAGTCCACTC-3'
<i>CHS</i>	LOC_Os10g332 70.1	5'- TGAGGAGTTTGGTGTGGAATC- 3'	5'-GACCACCACGCGATCTTT-3'
<i>DEAD</i>	LOC_Os07g050 50	5'- CTGCTCGTGGATTAGACATACC- 3'	5'-CACTTCCTTCTTCCCTGCT-3'

<i>RAS-LRR</i>	LOC_Os02g38040	5'- AAGAATGTCCCAGATGCCATAG- 3'	5'-TCTTGAGGCTGGTGAGGA-3'
<i>B3D</i>	LOC_Os01g52540	5'- GAGAAGTGTAGGCTAGTTGATG AG-3'	5'-CTTCGTGGAGTTTCAGGACTAC-3'
<i>MCM6</i>	LOC_Os05g14590.1	5'- GCTGGAGACACGGTCATATTTA- 3'	5'-GGACACCAGACCCATTCTTT-3'
<i>Ubiquitin5</i> (UBQ5)	LOC_Os1g328400	5'-CCTTCATGGCCAACCACTT-3'	5'-CTAAGCCTGCTGGTTGTAGAC-3'