



**Figure S1.** Effect of nitrate on shoot and root of rice seedlings. Length of shoot and primary root were assayed 7 days from the start of rice seedlings incubation in nitrate solutions. **a** Nitrate dose-response curve for shoot length. **b** Nitrate dose-response curve for primary root length. Values with the same letter do not differ statistically at the 5% level by Duncan test. Data are mean  $\pm$  standard error of three separate experiments, with five replicates of 10 seedlings each.

**Table S1.** Primers sequences used for real-time PCR

Name	Primer sequences	
	Forward	Reverse
<i>OsEXP13</i>	ACCAAAGGGTTCCTTGCATGA	ACTTGGAGCCCTTCACGTCC
<i>OsEXPA8</i>	TACACCTCCTCGGCTCAGTTCTAC	TGCCACGTCGATCAAAGCATAC
<i>OsEXPA14</i>	CCCGGTTATCTACCAAAGGGTTCC	AGTCGTGCCCCGTTAATGGTAAAC
<i>OsEXPB2</i>	CAACCAGTACCCGTTTCATGTCC	GTTGTTGGTGCACCGTATCTGG
<i>OsEXPB3</i>	TGCGGGTTCAAGAACACCAACC	GGGTGGTTGACGCATCTTATCTGG
<i>OsXTH2</i>	TGATCGCGTTCTTCGTGGAC	TCCACAGGCTGGAGTAGAGC
<i>OsXTH4</i>	TCTGGAATGCCGATGACTGG	GCAAGCGATAGCCCTGTAGT
<i>OsXTH13</i>	GGTGTTCCGCAACTACCAGA	CCCATATGCTCGAGTAGGCG
<i>OsXTH15</i>	CAGTGTGACATCACGTGGGA	TTGGTCCGGAGCATACAACC
<i>OsUBQ5</i>	ACCACTTCGACCGCCACTACT	ACGCCTAAGCCTGCTGGTT
<i>OsACTIN</i>	TGGATTGGAGGATCCATCTTGGC	CCTTGGCAATCCACATCTGCTG