



Figure. S1 Phenotypes of medium-sized-leaf SYQ and small SYQ.

(A) Red arrows indicate the leaves collected for analysis; blue arrows indicate the top of stem.

(B) Exhibited representative leaves of RG and SG13.

Towards plant salinity tolerance-implications from ion transporters and biochemical regulation

Table S1. Information of genes and primers for qRT-PCR

Accession number	Function prediction	Primer Sequences(5' to 3')
	SYQ EF1 α	CGGGCAAGTCCACCACTACT
		CATCTCAGCAGCCTCCTTCTCAA
c102511.graph_c0	SYQ CCoAOMT	CAAGAGACTGATCGATTTGGTGAAG
		GTTCCAGAGGGTGTTGTCGTA
c94054.graph_c0	SYQ C3H	GACCTTAGTGAGGACACCATTATTG
		CAGCTCTGCCATTGCCCATT
c103381.graph_c0	SYQ PAL	CATTGATCTGAGGCACTTGGAG
		CTCGCCATTGAAGCCGATTGTTA
c100482.graph_c0	SYQ HCT	GGTAAAGTACGACAGGCGATAG
		GAGCACCCAACAGTGTGGAAATT
c78409.graph_c0	SYQ HCT	GAGATCCAGCACCCAAAGAAC
		CTGACACCCACTCCTCCA

c100085.graph_c0	SYQ CSE	GACAACAAGATGGTCGGAAAGG
		GCCGTGGATTCGACGCTAT

Table S2

Table S2. Sequence information of candidate genes

CCoAOMT	ATGGCCCAGAACCAGAGCCAAGAAGTTGGGAGGCACCAGGAGGTCGGCCACAAGAGCCTTTTGCAGAGTGATGCTC
c102511.graph_c0	TTTATCAGTATATACTCGATACCAGTGTGTACCCAAGAGAGCCGGAAAGCATGAAGGAGCTAAGAGATTTGACCTCCA AGCATCCATGGAACATCATGACTACGTCTGCAGATGAAGGGCAGTTCTTGAAGTTGCTTCTCAAGCTCATCAATGCCA AGAACACCATGGAGATCGGCGTCTACACCGGCTACTCCCTTCTGGCCACCGCCCTTGCTCTCCCCGACGACGGAAAG ATCCTGGCTATGGACATCAACAAAGAAAATTACGAGCTGGGTCTGCCGGTGATTGAGAAAGCAGGGGTTGCCACAA GATCGACTTCAGGGAGGGCCCTGCTTTGCCTGTTCTTGATCAGATGATCGAAGATGGGAAGTATCACGGGTCGTTCTGA CTTCATATTCGTGGACGCCGACAAGGACAACCTATCTGAACTACCACAAGAGACTGATCGATTTGGTGAAGGTGGGAGG ATTGATCGGCTACGACAACACCCTCTGGAACGGCTCGGTGGTGGCGCCACCCGATGCGCCGCTGCGGAAGTACGTCA GGTACTACAGAGACTTCGTGTTGGAGCTCAACAAGGCTCTCGCTGCTGACCCTAGGATCGAGATCTGCATGCTTCCGG TCGGCGACGGGATCACCTCTGCCGTCGCCTTAGCTGA
C3H	ATGAACTCGAAGGGTGAATTGGACGAGCAGGGTTTGGAATTCAAGGCTATCGGGGCCGATGGGTCAAAGATCAGCGC ATCAGTAACCGAGTACATGCCATGGCTTCGTTGGATGCTCCCCCTTGAGGATGAGGCGCTTGCCAACTCAATGCCCCG

c94054.graph_c0	TCGAAACCGACTCACTACAATTATCATGGAGGAACACACCCTTACCCGCCACATAACCGGTGGTGCCGAGCAGCATTT TGTGGATGCTTTGCTCACCCTTCAAGATGAATATGACCTTAGTGAGGACACCATTATTGGGCTACTTTGGGATATGATTG TTGCAGGAAGGGATACAACCTTCCATTTAGTTGAATGGGCAATGGCAGAGCTGATGAAGAACCCAAGGATCCAACTA AAGGTTCAAGCTGAATTGGATCATGTAATCGGGGACCGGGTCATGACAGAATCTGATTTCCCCAACCTTCCTTACCTAC AATGT
PAL c103381.graph_c0	ATGGAAGCAATGAATCGTCAGGGAAGCAACAAGGTGGAGAGTTTCTGCGTGAGCGATCCACTGAACTGGGGAGCGG CGGCGGAGACGTTGAAGGGGAGCCATTTGGATGAAGTGAAGCGCATGGTGGCGGAGTACCGGAAACCGGTGGTTTCG CCTCGGCGGTGAGACGCTTACGATATCCCAAGTGGCGGCTATCGCCCGGCGGGCGGAGGAGGTGAGTGTGAGTTGT CGGAAGCGGCAAGAGCCGGCGTGAAGGCCAGCAGTGAAGTGGTATGGACAGCATGAACAAGGGTACGGACAGCTA TGGCGTCACCACCGGTTTCGGTGCAACCTCCACAGAAGAACCACAAACAAGGCGGAGCCCTTCAAAGGGAGCTTATCA GGTTCTTGAATGCGGGAATCTTCGGAAATGGTACAGAATCTTGCCACACCCTGCCTCAGTCAGCAACAAGGGCGTCG ATGCTGGTGAGGGTCAACACATTACTTCAAGGATACTCAGGCATCAGATTTGAGATATTGGAGGCCATCACCAAGCTC ATCAACCACAACGTCACCCCATGCTTGCCTCTCCGGGGAACCATCACTGCCTCCGGCGACCTTGTTCTCTCTCATACA TAGCGGGGCTTCTGATCGGGAGGCCGAGCGCCAAGGCGGTGGGCCCCGACGGGAAGCCCCTCAATGCCGAGGAGGC ATTCCATGTGGCTGGAATCAAGGGCGGGTTCTTTGAATTGCAGCCCAAGGAGGGGCTTGCTCTAGTCAACGGCACTGC TGTTGGTTCTGCCATGGCCTCCATGGTTCTCTTTGAAGCTAACATCCTCGCAGTCCTGTCCGAAGTTCTGTCTGCACTT TTTGCCGAAGTCATGCAAGGAAAACCCGAATTCACAGACCACCTCACTCACAAGTTGAAGCATCATCCGGGCCAAAT TGAGGCTGCAGCTATTATGGAACACATTCTAGACGGAAGCTCTTACGTTAAAGCAGCTCAGAAGCTGCACGAGATGGA TCCATTACAGAAACCTAAACAAGATCGATACGCCCTCCGAACATCTCCCCAATGGCTAGGCCCTCAGATTGAAGTTATC

	AGAGCAGCAACCAAGTCCATTGAACGGGAGATAAACTCCGTAAATGACAACCCCTTGATCGATGTTTCCAGGGATAAG GCTATTCATGGTGGTAATTTCCAGGGGACCCCAATCGGTGTTTCCATGGACAACACCAGGCTTGCCATTGCTGCTATTG GAAAGCTTATGTTTGCCCAATTCTCCGAGCTTGTTAATGACTTCTACAACAACGGGTTGCCTTCAAATCTGTCCGGTGG CCGGAACCCGAGCTTGGACTIONACGGCTTCAAAGGGGCCGAGATCGCGATGGCCTCTTACTGTTTCGGAGCTGCAGTTTCT TGCTAATCCTGTCAACCAACCATGTCCAGAGCGCTGAGCAGCACAACCAAGATGTGAACTCTTTAGGACTTATTTCTTC GAGAAAACTGCTGAGGCTGTGGATATACTGAAGCTGATGTCATCCACTTTCTTGATTGCTTTATGCCAATCCATTGATC TGAGGCACTTGAGGAGAATCTCAAGAACACAGTGAAGAACACTGTCTGCCAAGTGGCCAAGAGAGTGTTAACAAT CGGCTTCAATGGCGAGCTTCACCCTTCCCGGTTCTGCGAGAAGGACCTGCTCAAGATGGTCGACAGAGAACATGTTTT CGCATACATTGACGATCCCTGCAGCTCCACTTATCCATTGATGCAGAAGCTAAGGCAAGTCCTGGTCGAGCATGCCCTG AACAAATGGAGAAAGGGAGAAGAACTCCAGCACTTCCATCTTCCAAAAGATCGTAGCCTTTGAGGATGAACTAAAAGC CCTTCTGCCCAAGGAAGTGGAGAGCACAAGAATCGACTACGAGAATGGAAATTCTGCCATTCCAAACAGAATCAACG ACTGCAGATCCTACCCTCTTTACAAATTTGTGAGGGAAGAACTGGGAGCAAGATTCCTAACGGGAGAGAAGACTACA TCCCCAGGTGAAGAATGTGACAAGGTCTTCACAGCAATGTGTGCTGGGAAGTTGATTGATCCGCTGCTGGATTGTCTG AAGGAGTGGAATGGAGCTCCTCTTCCCATCTGCTAG
HCT c100482.graph_c0	ATGGCGAAATTGATGGCAACCTACACAGTAAAACCAGCCAAGGAGACACCAGGAGGCTACAAATGTTTATCAGAGTG TGATCAAATCAAAGCTGTCACTCACGCCCCCACCATCTACTTTTACCCACCTGGAAATTTGTCGCTTGAGACGGTCGCC GACATTCTGAGAAACTCTTTGAGTGAGGCTTTGGCCATTTTCTATCCACTGGCCGGACGGCTGCACATTATCGATAGCG GCGGCCGCCTTAAGCTCGACTGCAATGCGGCGGGGGCTTTGCTCGTTGCAGTCGAATCGGAAGCTAAAATCGATGACT TTGGAGATTTAGACCAACCCCGGAAATCCGAGCTCTCATCCCTCGCGTGGATTACAACAAGCCGATAGATGAACTGC

	<p>CGTTGCTGGTGGTGCAGGTCACGAAATTCAGCTGCGGCGGACTGAGTCTGGGCTTGGGAATATCGCATATTCTCGTGG ACGGCCTTTCTGCATTAGATTTTCATCTCCGAGTGGGCTAAAATAGCCCGCGGCGAGGGCCCCGGCAGCCCCCGCCGT TTCTTGATCGGTCCGTTTTCCGAGCGCCGGAGCATTGACGGCGCCCGTGTTTGATCATCCAGATTTTGGTCCTCAGCC CCTCTTGATTGGGCAGAAAGATGACGTGGAAGAAAGAAAGAAAGAAACCTCAGTTCTCTTGTTGAAGTTAAGCAAA GTGCAGACCGAGAAATTGAAGGAAAAGGCCAACGAGGATGAAAACGTTTCCAATGGCCGGCGGCCGTACACAAGGT ACGAGGCTGTTGCCGGACACATATGGAGGACAGCATGCAAGGCACGTCAGCATGAAGCCAATCAGCCGACATCGTTG TATATCGCCGTTGATGCTCGCAACCGCATGGAGCCGCCATTGCCGCCGAGGTATTTCCGAAATGCTGTTTTTCGGATAA CTGCTGAAAGCACGTCAGGGGAGCTGGTGTCAAAGTCGTTAGGATATGCTTCTGGTAAAGTACGACAGGCGATAGAG AAGGCAACGCCTGAATATTTACAATCATGTCTTGTGTTTGTGAAAAATCAGAAAGATGTGACCAAGTTTAGGAATTTCC ACACTGTTGGGTGCTCGAAAGGAGCATTTTATGGAAACCCTAGTATTGAGATCACTAGCTGGGCAAGGTTACCCGTCT ATGGGGCGGATTTCCGATGGGGCCGGGAAATATACATGGGTCTTGGAGATTTAGGGTTTGATGGGAAGGTTTTCTTGAT TCCAGAACAGGGTCTAGACGGATCGTTCTTTGTAGCATTGAGGCTGCAAGTACGCCACATTGATGCTTTCCACAAATTC ATTACCAAGACATTTAA</p>
<p>HCT</p> <p>c78409.graph_c0</p>	<p>ATGGTGCCCGAAGTGGAAGTGCACTCCAAGGAGACCGTAAAGCCATCTTCTCCCACTCCAGACCACCTCCGTCGATA CCAGTTATCCTTTCTTGATCAAATATCTCCTCCAGTTTTTCATGCCCATGACCTTCTTCTACCCGCCAGACCCTGATAGCA GATTCAGCCACACAGACATATCAAACAAGCTTAAGCAATCTCTCTCTGAGAATCTAGTCCGGTTCTACCCGTTAGCAGG TCGGGTTAAGGACGGTTTTCTACGTCTCTGCAACGATGAGGGTGTGCCCTACATTGAAGCCAGAGTAAAGGGCCAAC TTCTGAGACGATCCGAGATCCAGCACCCAAAGAACTGCACAAATTCATCCATATCAACTGGATGATGTCAAAGACTT GA</p>

CSE c100085.graph_c0	ATGTCGTCGGACTCTGGAATTTTCGGCCAACTTCTGGGGCGATATGCCGGAGGAGGAGTACTATACCTCCCAAGGGGTG CGCAACACCAAATCATACTTCGAAACCCCCACGGCAACCTCTTCACCCAGAGTTTCCTCCCTTTGGATCTCCCCATCA AGGCCTCCGTCTACATGAGCCACGGCTACGGTTCCGACACCGGCTGGCTCTTCCAGAAGATCTGCATCAACTTCGCCT CCTGGGGCTACGCCGTCTTCCCCGCCGACCTCCTCGGCCACGGCCGCTCCGACGGCCTCCGATGCTACCTCGGCGACA TGGAGAAGGTCGCCGCCGCCTCCCTCTCCTTCTTCAAGAGCGTCCGCACCAGCGAGCCCTACCGCCACCTCCCCGCCT TCCTCTTCGGCGAGTCCATGGGCGGAGCCGCCACCATGCTCATGTACTTCCAATCGGATCCGGATCTCTGGACCGGCCT GGTCTTCTCAGCCCCACTCTTCGTGATTCCCGAGAACATGAAGCCATCGAAGGCCAGGCTGTTTCATGTACGGACTGTT GTTTCGGGATGGCTGACACGTGGGCGACGATGCCGGACAACAAGATGGTCGGAAAGGCGATCAAGGATCCGGAGAAG CTGAAGGTGATAGCGTCGAATCCACGGCGGTATACTGGTCCGCCGAGGGTGGGAACGATGCGGGAGCTGCTTAGGGT GACCCAGCACATACAGGATAATTTCTCGAAGGTAACGGCGCCGTTCTTGACGGTGCACGGGACGGCGGACGGGGTGA CATGTCCGACATCGTCGGAGCTGCTGTACGAGAAGGCATCGAGTGAGGACAAGACATTGAAGATGTACGAGGGGATG TATCATTCGTTGATACAGGGAGAGACTGACGAGAATGCAAATCTGGTGTTGAAGGATATGAGGGAGTGGATTGATGCG AGGGTTGAGAGATATGGACCCTACAAATCCTAG
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