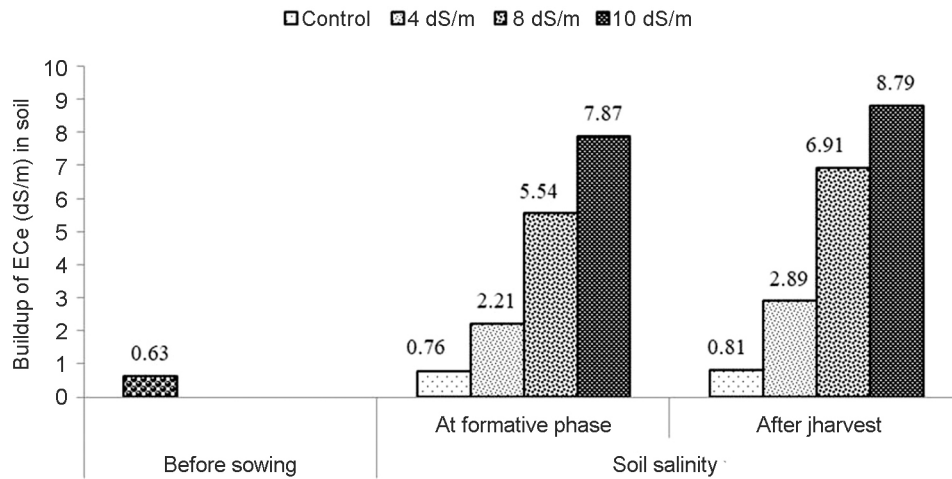


Supplementary Table 1 List of primers designed for the molecular studies

Gene	Forward Primer
GADPH	F.P. CACGGCCACTGGAAGCA R.P. TCCTCAGGGTTCCTGATGCC
SOS 1	F.P. GAGGGTTCTCATAGCTGAAAGG R.P. GCGTGATTAGAGTCAGGTTCTC
SOS 2	F.P. AGGTCTGAATGCTGACAAGAC R.P. CTCCTGCTGCTCTTTGTAGTT
SOS 3	F.P. CATCCACAAGGAGGAGTTTCA R.P. ATGACTCCGTTCCGTTTGAG
NHX 1	F.P. TGGTGGGCTGGACTGATGAGAGGCG R.P. TGCCGTGCAGCTGAGTGTGTCCAGA
<i>HKT 1</i>	F.P. TCGGCTCTGGACCTACTCTT R.P. ACGACGACGACTCTGCTCTA
<i>SOD</i>	F.P. TTGAATTCATGGCTCTCCGCAC R.P. GGGTCGACAGCAAGAACATTTTCG
<i>CAT</i>	F.P. GGAGTGGAAGCTGTTCGTGC R.P. CGCCGTCGTAGTGGTTGTTA
<i>APX</i>	F.P. GATTTGATTGCCGTGGCTGG R.P. TCTTCAGGAAGTTTGCCAGTTG
<i>POX</i>	F.P. GACGAAGCGGCACTGCTTGCCTTACCA R.P. TGCCACAGTAACAAGCGAGCTTACCAAGA
<i>GR</i>	F.P. CCATGACGGACAGAAAGCAGATGAC R.P. CTCCCATCTTGATGGCAACTCC

Supplementary Table 2 Total soluble protein content in sugarcane genotypes under different salinity levels

Genotype	Control	Salinity (EC_{iw} -4 dS/m)	Salinity (EC_{iw} -8 dS/m)	Salinity (EC_{iw} -10 dS/m)
Co 0118	7.8 ^c ± 0.25	7.1 ^b ± 0.30	6.6 ^a ± 0.35	5.2 ^b ± 0.30
Co 13035	8.0 ^{bc} ± 0.20	7.4 ^a ± 0.25	6.9 ^a ± 0.30	6.0 ^a ± 0.35
Co 15025	8.7 ^a ± 0.30	6.8 ^c ± 0.35	6.0 ^b ± 0.30	3.2 ^d ± 0.40
Co 15023	9.0 ^a ± 0.25	6.7 ^c ± 0.30	6.1 ^b ± 0.25	5.0 ^c ± 0.35
Co 0238	8.2 ^b ± 0.30	7.2 ^{ab} ± 0.25	6.7 ^a ± 0.30	5.3 ^b ± 0.30



Supplementary Fig. 1 Buildup of soil electrical conductivity of the saturated extract (ECe, dS/m) before sowing, at formative phase, and after harvest under different irrigation water salinity levels (EC_{iw}: Control, 4, 8, and 10 dS/m).