**Supplementary table 1.** Primers used in this study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Genes** |  **Accession no.** | **Forward primers** | **Revers primers** |
| *LpPDC1* | GAYX01090888.1 | AGGTGATCGCGCACAAGGAC | TGGACTCTAGACGACGGCCT |
| *LpALDH2B7* | GAYX01068721.1 | GGACACGTGGACTGTTGCCA | GCAACCGCACGGTCAATGTC |
| *LpHKT1;1* | KT724717 | GGCTTTCTGCTGGTTCTT | GCGACTGTGATCGAGATTG |
| *LpJAR* | GAYX01072810.1 | CCTCGGTTCGTGAACCCGTC | ATCCTAAGCCAACACCCGGA |
| *LpMYC2* | GAYX01069415.1 | CACGCTCACCGAGAACCTCC | TGCTGGTGGAGCTGGTGTTG |
| *LpIPT2* | GAYX01004688.1 | AGGTGTCCCTCACCATCTTC | AGTTTGTACCGCCAACAACA |
| *LpLOG1* | GAYX01000776.1 | AAGTTATCACGTGGGCACAA | GAACCCGTCAACGTTCAGTA |
| *LpARR1* | GAYX01032549.1 | AGGTACTTGCATCCCAAACC | CTGCTTCCAATGCTGTGACT |
| *LpARR10* | GAYX01073777.1 | CAAGATGCTCAGGGAGAACA | GATGACTGGGAGGTCCATCT |
| *LpTAA1* | GAYX01090694.1 | CGGTCAGCAGCAGCGGAATA | AACCAGCAGAGGTTTCCGGC |
| *LpARF1* | GAYX01055132.1 | GGGGAACAAGCGGAAGGAGG | AGCTCCGAGAACAGCGCATC |
| *LpARF2* | GAYX01032414.1 | ATGCTTGGCGGTGAGATGGG | AGGCATGGCTTCAGCCGTTT  |
| *LpZEP* | GAYX01017404.1 | CTTTCTGACAAGGCAAACGA | AACCACTCTCCACCCATAGC |
| *LpABI3* | GAYX01051849.1 | CACTGCGCCCAGTCAAACAA | ACATGGTCCAGTCCGCAACA |
| *LpABI5* | GAYX01080994.1 | ACTCGCTCACCTTCGACGAG | GGCTATGGCGTTGGACTCCT |
| *LpelF4A* | G0924770 | AACTCAACTTGAAGTGTTGGAGTG | AGATCTGGTCCTGGAAAGAATATG |

**Supplementary table 2.** Pearson correlation coefficients analysis among the iron and plant hormone contents with the data collected at 21 d under salt stress conditions.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Acetic acid | Na+ | K+ | JA | JA-ILe | cis-OPDA | ABA | GA3 | GA4 | IAA | cZR | iP |
| Acetic acid | 1 |  |  |  |  |  |  |  |  |  |  |  |
| Na+ | 0.936\*\*\* | 1 |  |  |  |  |  |  |  |  |  |  |
| K+ | -0.964\*\*\* | -0.926\*\*\* | 1 |  |  |  |  |  |  |  |  |  |
| JA | -0.787\*\*\* | -0.817\*\*\* | 0.840\*\*\* | 1 |  |  |  |  |  |  |  |  |
| JA-ILe | -0.817\*\*\* | -0.752\*\*\* | 0.608\*\* | 0.509\* | 1 |  |  |  |  |  |  |  |
| cis-OPDA | -0.827\*\*\* | -0.891\*\*\* | 0.719\*\* | 0.698\*\* | 0.845\*\*\* | 1 |  |  |  |  |  |  |
| ABA | 0.722\*\* | 0.562\* | -0.566\* | -0.397 | -0.904\*\*\* | -0.691\*\* | 1 |  |  |  |  |  |
| GA3 | 0.917\*\*\* | 0.953\*\*\* | -0.959\*\*\* | -0.798\*\*\* | -0.606\* | -0.745\*\*\* | 0.435 | 1 |  |  |  |  |
| GA4 | 0.942\*\*\* | 0.954\*\*\* | -0.970\*\*\* | -0.806\*\*\* | -0.638\*\*\* | -0.765\*\*\* | 0.480 | 0.969\*\*\* | 1 |  |  |  |
| IAA | 0.653\*\* | 0.730\*\*\* | -0.786\*\*\* | -0.677\*\* | -0.182 | -0.385 | 0.006 | 0.861\*\*\* | 0.822\*\*\* | 1 |  |  |
| cZR  | 0.54\* | 0.530\* | -0.540\* | -0.438 | -0.586\* | -0.504\* | 0.567\* | 0.474 | 0.462 | 0.113 | 1 |  |
| iP  | -0.685\*\* | -0.610\* | -0.503\* | 0.542\* | 0.852\*\*\* | -0.801\*\*\* | -0.842\*\*\* | -0.435 | -0.470 | -0.045 | -0.341 | 1 |

\*\*\* significant level at P≤0.001, \*\* significant level at P≤0.01, and \* significant level at P≤0.05.

**Supplementary table 3.** Summary of variance for the effects of salt treatment, acetic acid treatment, and the interaction between salt and acetic acid treatment on iron and plant hormone contents with the data collected at 21 d of treatment.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Salt | Acetic acid | Salt × Acetic acid |
| TQ | \*\*\* | \*\*\* | \*\*\* |
| Chl content | \*\*\* | \*\*\* | \* |
| Fv/Fm | \*\*\* | NS | \* |
| EL | \*\*\* | \*\* | \*\* |
| Na+ | \*\*\* | \*\*\* | NS |
| K+ | \*\*\* | \* | \*\*\* |
| JA | \*\*\* | NS | NS |
| JA-ILe | \*\*\* | \*\* | \*\*\* |
| cis-OPDA | \*\*\* | \*\* | \*\*\* |
| ABA | \*\*\* | \*\*\* | \*\*\* |
| GA3 | \*\*\* | \*\*\* | \*\*\* |
| GA4 | \*\*\* | \*\*\* | \*\*\* |
| IAA | \*\*\* | \*\*\* | \*\*\* |
| SA | \*\*\* | NS | NS |
| ACC | \*\*\* | NS | NS |
| tZ  | \* | NS | NS |
| cZ  | NS | NS | NS |
| tZR  | NS | NS | NS |
| cZR  | \* | NS | \* |
| iP  | \*\*\* | \* | \*\*\* |
| iPR  | NS | NS | NS |
| Acetic acid | \*\*\* | NS | \*\*\* |

\*\*\* significant level at P≤0.001, \*\* significant level at P≤0.01, \* significant level at P≤0.05, NS indicates no significant difference.