Table S1 Analysis of variance of 8 criteria traits under early drought conditions in a greenhouse environment in 2011 and 2012.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Criteria | Mean square values for 2011 | | | Mean square values for 2012 | | |
| Condition (C) | Genotypes (G) | CxG | Condition (C) | Genotypes (G) | CxG |
| df | 1 | 59 | 59 | 1 | 59 | 59 |
| LR1 | 87.03\*\* | 0.94\*\* | 0.974\*\* | 6.944\*\* | 0.125ns | 0.125ns |
| LR2 | 440.01\*\* | 2.21\*\* | 2.198\*\* | 433.40\*\* | 0.521\* | 0.521\* |
| LD1 | 592.90\*\* | 7.72\*\* | 7.51\*\* | 1345.60\*\* | 6.318\*\* | 6.318\*\* |
| RE | 2002.23\*\* | 7.64\*\* | 7.64\*\* | 295.21\*\* | 4.471\*\* | 4.471\*\* |
| GY | 9219.42\*\* | 106.55\*\* | 63.44\*\* | 649.23\*\* | 31.26\*\* | 33.12\*\* |
| RDW | 50.72ns | 94.95ns | 94.28ns | 8585.58\*\* | 7.85\*\* | 7.367\*\* |
| PDW | 81958.32\*\* | 344.17\*\* | 241.48\*\* | 49073.99\*\* | 87.54\*\* | 74.36\*\* |
| LWP2 | 520.36\*\* | 1.17\*\* | 1.289\*\* | 391.35\*\* | 0.648\*\* | 0.585\*\* |

ns, \* and \*\* = non-significant, significant at p<0.05 and p<0.01, respectively. LR=leaf rolling score, LD=leaf dead score, RE=recovery score, GY=grain yield, RDW=root dry weight, PDW=plant dry weight and LWP2=leaf water potential at 2nd measurement.

Table S2 Classification of upland rice to drought among rice accessions using DTI.

|  |  |
| --- | --- |
| Groups | Upland rice accessions |
| G1(Susceptible) | KKU ULR 008, KKU ULR 013, KKU ULR 017, KKU ULR 022, KKU ULR 025, KKU ULR 028, KKU ULR 031, KKU ULR 047, KKU ULR 050, KKU ULR 056, KKU ULR 057, KKU ULR 061, KKU ULR 071, KKU ULR 073, KKU ULR 074, KKU ULR 075, KKU ULR 082, KKU ULR 089, KKU ULR 095, KKU ULR 100, KKU ULR 101, KKU ULR 102, KKU ULR 103, KKU ULR 105, KKU ULR 113, KKU ULR 127, KKU ULR 128, KKU ULR 130, KKU ULR 131, KKU ULR 135, KKU ULR 140, KKU ULR 142, KKU ULR 149, KKU ULR 150, KKU ULR 151, KKU ULR 161, KKU ULR 169, KKU ULR 172, KKU ULR 210, KKU ULR 219, KKU ULR 224, KKU ULR 230, KKU ULR 238, KKU ULR 240, KKU ULR 246 |
| G2 (Moderate tolerance) | KKU ULR 007, KKU ULR 016, KKU ULR 030, KKU ULR 066, KKU ULR 072, KKU ULR 099, KKU ULR 202, KKU ULR 226, KKU ULR 250, KKU ULR 264 |
| G3(Tolerant) | KKU ULR 011, KKU ULR 012, KKU ULR 125, KKU ULR 199, KKU ULR 292 |