**SUPPLEMENTARY FILE 1**

Detailed information on experimental set up (1), genotypes (2) and fertigation schedule (3) of drip irrigated rice study.

**Table S1. Detailed information on experimental set up.**

|  |  |  |
| --- | --- | --- |
| **Particulars** | Summer (2013) | Summer (2014) |
| Date of sowing | 06.01.2013 | 20.02.2014 |
| Spacing (cm) | 20 x10  | 20 x10 |
| Net plot size (yield accounted from the plot) | 2.4x7m | 2.4x7m |
| Variety/Hybrid | ADT (R) 45, TNRH 180, JKRH 3333 | ADT (R) 45, TNRH 180, JKRH 3333 |

**Table S2.** **Details on genotypes used in the study.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Genotypes** | **Variety/hybrid** | **Parentage** | **Duration** | **Supplier** |
| ADT(R)45 | variety | IR50/ADT37 | 125 days | Tamil Nadu Rice Research Institute, Tamil Nadu Agricultural University, Aduthurai, India |
| TNRH 180 | pipeline hybrid | N/A | 135 days | Department of Rice, Tamil Nadu Agricultural University, Coimbatore, India |
| JKRH 3333 | hybrid | IET 20759 | 135 days | JK Agri Genetics Ltd, Hyderabad, India |

**Table S3. Details of fertilizers (150:50:50 NPK) applied through fertigation.** DAS:
days after sowing.

|  |  |  |  |
| --- | --- | --- | --- |
| **DAS** | **N %** | **P %** | **K %** |
| 21 | 8 | 20 | 7.5 |
| 28 | 8 | 20 | 7.5 |
| 35 | 8 | 12 | 7.5 |
| 42 | 8 | 12 | 7.5 |
| 49 | 10 | 12 | 10 |
| 56 | 10 | 12 | 10 |
| 63 | 10 | 12 | 10 |
| 70 | 10 | 0 | 10 |
| 77 | 7.5 | 0 | 8.5 |
| 84 | 7.5 | 0 | 8.5 |
| 91 | 6.5 | 0 | 6.5 |
| 98 | 6.5 | 0 | 6.5 |