

**Table S1. ANOVA (Analysis of Variance) using Augmented Block Design**

	<b>D F</b>	<b>50%DF</b>	<b>80% DM</b>	<b>Yield/ Plant (IN)</b>	<b>Yield/ Plant (NIP)</b>	<b>1000 Seed wt.(g)</b>	<b>Oil Conte nt (%)</b>	<b>DI %</b>
Block (ignoring Treatments)	3	52.96 **	31.06 **	0.546	1.87	0.28 **	5.60**	0.005
Treatment (eliminating Blocks)	29	39.01 **	47.36 **	1.37 **	4.17 **	1.34**	3.36 **	081**
Checks	5	73.44 **	120.74 **	3.96 **	10.27 **	2.27 **	3.43 *	1.30 **
Checks + Var vs. Var	24	31.84 **	32.07 **	0.831	2.91**	1.146 **	3.35**	0.70* *
Error	15	1.57	1.12	0.412	0.75	0.017	0.84	0.079
Block (Eliminating Check+Var.)	3	1.38	1.49	1.10	2.27	0.20 **	3.49**	0.80
Entries (ignoring Blocks)	29	44.35 **	50.42 **	1.31*	4.13 **	1.34 **	8.44**	0.78 **
Checks	5	73.44 **	120.74 **	3.96 **	10.26 **	2.27**	3.42 *	1.29 **
Varieties	23	39.39 **	34.81**	0.79	2.31 *	1.19 **	4.10 **	0.55 **
Checks vs. Varieties	1	13.02 *	57.82 **	0.156	15.42 **	0.26 **	0.66	3.59**

DF- degree of freedom, 50% DF- Days to 50% Flowering, 80% DM- Days to 80% Maturity, NIP- Non-Infected Plants, IN- Infected Plants, DI-Disease Incidence (%)

**Table S2. List of amplicon sequences showing the presence of *BjuWRR1* gene**

Sl. No.	Genotypes	Gene sequence
1.	BIO-YSR	AGGGGGGGTTTAAAAACAACAGTAAACCATAATGAAATCTCCTTCACCGGCCTACTATATAAAAAATCATATTTTATTAAA TAACATATAAAATCTGATATTGATATGTTTGTATTAAAGATATTGTTTTTATATTAAATTTCTTTTGAGTTATATAAAAGGA ATTTTTTTATATTAAATTACATGATATAAAAAATGTTATATATTTATTAAAGATATTTCTTTTGTATAATAAAGTGATTGA AAACAAATATAAAAAATGTTAAATTGAAATATTAATAGTGGTATTTTAAACAATAAAATTTTATTCATTAAGTTATCACTGTGA TTTACCATTCTAAGAATCAACAAAA
2.	CAULC-1	ATCCGGGCGTAAACACACAAGAAACCAAACCTGAAACCTCCACCGGCCCCCAAAAAACAAAAACATTTTCCGCCG ATCACATCTCAAATCCCGATCACCGATCAGTTTCGTATTCAAGAACATCGTTTTTTATATTAAATCCTCTTCCCGAGTTAT ATAAAAGGAATTTTCTTTATATTAAATTACATGATATAAAAAATGTTATATATTTATTAAAGATATTTCTTTTGTATAATA AGTGATTGAAAACAAATATAAAAAATGTTAAATTGAAATATTAATAGTGGTATTTTAAACAATAAAATTTTATTCATTAAGTT ATCACTGTGATTTACCATTCCAGAATCCCACCAAAT
3.	CAULC-3	CCCGGGGGTTTATTATAAGAATCATAATGAATCTCTTACGGCCTCCTATATAAAAAATCATTTTATTAAATAACATATAA ATCTGATATTGATATGTTTGTATTAAAGATATTGTTTTTTATATTAAATTTCTTTTGAGTTATATAAAAGGAATTTTATATA TTAAATTACATGATATAAAAAATGTTATATATTTATTAAAGATATTTCTTTTGTATAATAAAGTGATTGAAAACAAATAT AAAAATGTTAAATTGAAATATTAATAGTGGTATTTTAAACAATAAAATTTTATTCATTAAGTTATCACTGTGATTTACCATTCT AAGAAATCAACAA
4.	CAUR M 4-1	CCCGGCGTTTTATACACAGTAATTCATTACTGAAATCTCTTACGGCCTCCTATATAAAAAATCATTTTATTAAATAACAT ATAAATCTGATATTGATATGTTTGTATTAAAGATATTGTTTTTTATATTAAATTTCTTTTGAGTTATATAAAAGGAATTTT TTATATTAAATTACATGATATAAAAAATGTTATATATTTATTAAAGATATTTCTTTTGTATAATAAAGTGATTGAAAACA AATATAAAAAATGTTAAATTGAAATATTAATAGTGGTATTTTAAACAATAAAATTTTATTCATTAAGTTATCACTGTGATTAC CATTCTAAGAATCAACAAAA
5.	CAUR M 4-2	CCCGGGCGTTAATATACAGTAAGTCCATACTGAAATCTCTTACGGCCTCCTATATAAAAAATCATTTTATTAAATAACA TATAAATCTGATATTGATATGTTTGTATTAAAGATATTGTTTTTTATATTAAATTTCTTTTGAGTTATATAAAAGGAATTTT TTTATATTAAATTACATGATATAAAAAATGTTATATATTTATTAAAGATATTTCTTTTGTATAATAAAGTGATTGAAAACA AATATAAAAAATGTTAAATTGAAATATTAATAGTGGTATTTTAAACAATAAAATTTTATTCATTAAGTTATCACTGTGATTAC CCATTCTAAGAATCAACAAAA
6.	CAULC-4	CTCGGGGGTTAATTATAAGAATCATCATGAATCTCTGACTGCCTCCTATATAAAAAATCATTTTATTAAATAGCATATA AATCTGATATTGATATGTTTGTATTAAAGATATTGTTTTTTATATTAAATTTCTTTTGAGTTATATTAAAGGAATTTT TATATTGAATTACATGATATTAAATGTTATATCTTTATTCAAGATATTTCCATTTTGTATAATAAATTGATTGCAACAA AACATCAAGATGTTAAATTGTAATATTAATAGTGGTAATTAAACAATAAAATTTATTCATAAAGTTATCACTGTGACTTA CGATTCTTAGGAATCTACAT