

Table 3 Best parents based on *Per se* performance and *gca* effects under aerobic condition

S.No	Characters	<i>gca</i> effects			
1	Days to 50% flowering	CO MS 24A (L ₆)	11	Proline content	IR70369A (L ₄), CO MS 24A (L ₆), IR 81178-2T-2-2-3R (T ₂), IR 79582-21-2-2-1R (T ₅), IR05 N496R (T ₈), MAS-946-1(T ₉), KMP-105 (T ₁₁), BR -2655 (T ₁₄), BI-33 (T ₁₅)
2	Plant height	IR79156A (L ₂), IR73328A (L ₃), IR70369A (L ₄), IR 69726-29-1-2-2R (T ₁), MAS -26 (T ₁₀), KMP-105 (T ₁₁), KMP -148 (T ₁₂), KMP -149 (T ₁₃)	12	SPAD Chlorophyll meter reading	IR 79128 ^a (L ₁), IR73328A (L ₃), IR 69726-29-1-2-2R (T ₁), IR 7925A-428-2-1-1R (T ₄), IR 79200-45-2-2-1R (T ₆), MAS- 946-1(T ₉), KMP -148 (T ₁₂), BR-2655 (T ₁₄), BI-33 (T ₁₅)
3	Productive tillers per plant	IR 79128A (L ₁), CO MS- 14A (L ₅), IR 69726-29-1-2-2R (T ₁), IR 81178-2T-2-2-3R (T ₂), IR 79200-45-2-2-1R (T ₆), IR05 N496R (T ₈), KMP-105 (T ₁₁), KMP -149 (T ₁₃)	13	Chlorophyll stability index	IR 79128A (L ₁), IR70369A (L ₄), IR 69726-29-1-2-2R (T ₁), IR 79582-21-2-2-1R (T ₅), IR 79200-45-2-2-1R (T ₆), IR 80402-88-3-1-3R (T ₇), MAS- 946-1(T ₉), KMP -149 (T ₁₃)
4	Panicles per plant	IR79156A (L ₂), IR73328A (L ₃), IR70369A (L ₄), IR 80402-88-3-1-3R (T ₇), MAS- 946-1 (T ₉), MAS -26 (T ₁₀), KMP-105 (T ₁₁), KMP-148 (T ₁₂), KMP -149 (T ₁₃), BR -2655 (T ₁₄), BI-33 (T ₁₅)	14	Relative water content	IR79156A (L ₂), IR73328A (L ₃), IR70369A (L ₄), IR 69726-29-1-2-2R (T ₁), IR 81178-2T-2-2-3R (T ₂), IR 80286-22-3-6-1R (T ₃), IR 7925A-428-2-1-1R (T ₄), IR 79582-21-2-2-1R (T ₅), MAS -26 (T ₁₀), KMP-105 (T ₁₁), KMP-148 (T ₁₂), BI-33 (T ₁₅)
5	Panicle length	-	15	Biomass yield	CO MS- 14A (L ₅), IR 80286-22-3-6-1R (T ₃), IR 79582-21-2-2-1R (T ₅), IR 79200-45-2-2-1R (T ₆), MAS- 946-1 (T ₉)
6	Spikelet fertility	IR79156A (L ₂), IR70369A (L ₄), IR 7925A-428-2-1-1R (T ₄), IR05 N496R (T ₈), MAS -26 (T ₁₀), KMP -149 (T ₁₃), BR -2655 (T ₁₄), BI-33 (T ₁₅)	16	Dry root weight	IR 79128A (L ₁), IR79156A (L ₂), IR 80286-22-3-6-1R (T ₃)
7	Filled grains per panicle	IR 79128A (L ₁), CO MS- 14A (L ₅), IR 7925A-428-2-1-1R (T ₄), IR 79582-21-2-2-1R (T ₅), IR 79200-45-2-2-1R (T ₆), IR05 N496R (T ₈), MAS -26 (T ₁₀), KMP-105 (T ₁₁), KMP -148 (T ₁₂), BI-33 (T ₁₅)	17	Dry shoot weight	IR 79128A (L ₁), IR 79582-21-2-2-1R (T ₅)
8	Hundred grain weight	IR73328A (L ₃), IR70369A (L ₄), CO MS- 14A (L ₅), IR 69726-29-1-2-2R (T ₁), MAS- 946-1 (T ₉)	18	Root: Shoot ratio	IR 79128A (L ₁), IR79156A (L ₂)
9	Harvest index	IR79156A (L ₂), CO MS 24A (L ₆), IR 7925A-428-2-1-1R (T ₄), IR 79582-21-2-2-1R (T ₅), IR 80402-88-3-1-3R (T ₇), IR05 N496R (T ₈), BR -2655 (T ₁₄), BI-33 (T ₁₅)	19	Root length	IR 79128A (L ₁), IR70369A (L ₄), CO MS- 14A (L ₅), IR 69726-29-1-2-2R (T ₁), IR 81178-2T-2-2-3R (T ₂), IR 80286-22-3-6-1R (T ₃), MAS- 946-1(T ₉), BI-33(T ₁₅)
10	Single plant yield	CO MS- 14A (L ₅), IR 81178-2T-2-2-3R (T ₂), IR 79582-21-2-2-1R (T ₅), IR05 N496R (T ₈), KMP-105 (T ₁₁), BR -2655 (T ₁₄), BI-33 (T ₁₅)		Overall effect	IR 79128A (L ₁), IR79156A (L ₂), IR70369A (L ₄), IR 79582-21-2-2-1R (T ₅), MAS- 946-1 (T ₉), KMP-105 (T ₁₁), BI-33(T ₁₅)