

Supplementary Table S1. Agronomic traits of 31 restorer lines achieved in this study

Family	Plant height (cm)	Tiller number	Seed Setting rate	Yield per plant (g)
TF-1	123.82	7.2	70.80%	23.11
TF-2	130.22	4.6	79.80%	21.43
TF-3	130.11	5.1	69.80%	20.11
TF-4	139.44	4.2	75.40%	22.62
TF-5	126.12	6.2	67.20%	23.54
TF-6	137.00	5.0	67.20%	27.08
TF-7	120.84	7.0	68.50%	28.09
TF-8	118.81	5.6	65.4%	20.61
TF-9	117.92	6.2	64.10%	20.13
TF-10	118.17	5.0	62.10	21.16
TF-11	132.90	5.4	79.70%	24.81
TF-12	121.12	5.8	63.88%	20.91
TF-13	133.04	4.6	80.80%	23.57
TF-14	124.46	7.6	61.20%	22.62
TF-15	123.40	7.2	78.40%	21.33
TF-16	114.68	8.0	65.30%	22.16
TF-17	119.00	7.8	68.20%	24.08
TF-18	130.68	5.0	79.40%	28.59
TF-24	135.80	4.8	84.10%	27.41
TF-25	132.32	7.6	74.60%	23.16
TF-26	132.84	5.2	78.10%	22.11
TF-27	130.30	6.2	80.40%	27.22
TF-28	141.22	6.0	84.20%	24.59
TF-29	137.00	5.0	67.20%	27.08
TF-30	132.26	4.6	83.10%	25.66
TF-31	136.68	4.4	86.10%	29.81
TF-32	137.22	6.4	85.10%	24.43
TF-33	135.02	5.2	84.80%	25.66
TF-34	133.68	4.4	78.40%	26.18
TF-35	134.84	4.6	85.40%	28.97
TF-36	130.30	6.2	80.40%	27.22