

Supplementary

Table S1. The mean performance of the Parental Lines and their F₁ hybrid for 10 yield component characteristics under normal and water-stress conditions.

	Genotype	Days to maturity (day)		Plant height (cm)		Panicle length (cm)		Spikelets panicle ⁻¹		Panicles plant ⁻¹	
		N	S	N	S	N	S	N	S	N	S
Lines	IR58025A	140.3 0	142.5 5	108.6 7	101.3 3	23.90	22.44	216.49 7	161.6 7	16.0 0	14.15
	IR68902A	137.7 7	139.3 9	109.3 3	92.00	25.83	22.70	174.82 0	152.0 0	23.0 0	17.75
	Pusa 11a	139.1 0	140.0 4	109.0 0	93.67	27.27	24.15	194.13 7	175.7 7	21.6 7	13.08
	Pusa 12A	135.0 3	132.2 3	98.33	95.00	25.10	24.08	201.09 7	169.6 7	17.3 6	16.54
	Pusa 13A	135.3 3	131.6 3	104.0 0	98.00	26.90	23.43	210.10 3	171.3 3	17.6 0	15.42
Testers	IR25571-31-1	126.7 3	131.0 7	94.33	83.33	24.53	21.90	186.36 3	133.3 3	20.3 2	16.31
	PR 1	135.0 3	133.6 3	113.3 3	101.6 7	29.30	25.70	198.55 7	143.6 7	16.3 3	15.26
	PR 2	134.9 3	135.7 4	99.67	97.33	29.87	26.08	195.38 3	139.3 3	22.7 4	21.51
	Giza Basmati 201	135.0 4	133.4 0	112.6 7	98.67	29.27	26.33	203.61 3	145.3 3	22.0 0	21.55
	IR58025A x IR25571-31-1	131.5 0	132.8 3	119.6 7	101.0 0	29.33	26.15	203.61 0	176.0 0	23.2 6	21.51
	IR58025A x PR 1	136.0 0	135.8 7	116.3 3	105.3 3	27.67	26.12	235.40 0	194.0 0	21.6 0	17.47
	IR58025A x PR 2	133.1 0	135.7 0	121.6 7	104.3 3	27.87	24.10	219.65 7	203.6 7	20.2 6	16.67
	IR58025A x Giza Basmati 201	133.0 3	134.5 1	121.6 7	115.6 7	28.25	24.95	225.09 7	205.6 7	18.6 9	15.40
	IR68902A x IR25571-31-1	130.2 0	133.8 1	121.3 3	115.6 7	27.67	24.90	221.88 7	175.6 7	22.3 3	17.21
	IR68902A x PR 1	136.9 7	136.6 3	119.6 7	108.6 7	27.00	25.47	220.84 0	221.0 0	18.2 9	16.19
Hybrid combinations	IR68902A x PR 2	137.3 7	137.9 8	121.0 0	105.6 7	29.00	27.05	232.26 3	191.3 3	24.5 1	18.15
	IR68902A x Giza Basmati 201	135.8 0	136.9 3	117.0 0	105.3 3	28.67	26.00	236.94 0	180.4 0	24.5 5	18.93
	Pusa 11A x IR25571-31-1	131.3 0	133.6 3	123.6 7	98.67 0	27.33	26.10	230.62 7	210.6 7	30.0 5	22.17
	Pusa 11A x PR 1	133.6 7	134.0 8	115.3 3	105.6 7	27.33	25.78	226.18 3	181.6 3	20.9 1	18.63
	Pusa 11A x PR 2	133.6 3	135.1 7	117.6 7	97.33 0	30.33	28.33	255.08 7	241.6 7	22.2 8	20.71
	Pusa 11A x Giza Basmati 201	137.3 7	135.3 0	116.6 7	105.6 7	29.00	25.39	256.22 7	187.6 7	18.3 0	17.62
	Pusa 12A x IR25571-31-1	127.6 3	132.3 1	116.0 0	111.0 0	30.33	27.03	261.48 3	224.3 3	26.6 7	16.67
	Pusa 12A x PR 1	130.1 0	131.8 8	111.0 0	105.0 0	28.60	28.13	231.13 0	231.0 0	29.6 7	22.85
	Pusa 12A x PR 2	129.9 3	131.9 3	110.0 0	109.0 0	28.27	27.71	259.38 3	190.3 3	19.5 4	16.73
	Pusa 12A x Giza Basmati 201	134.9 0	135.7 3	122.3 3	107.6 7	29.10	26.02	269.25 7	216.6 7	18.3 3	17.13
	Pusa 13A x IR25571-31-1	127.2 7	130.6 7	105.6 3	88.67	27.57	22.23	256.05 0	171.0 0	19.0 0	17.63

	Pusa 13A x PR 1	133.1 7	134.7 2	114.3 3	106.6 7	28.87	24.10	243.75	196.3 3	22.3 0	18.15
	Pusa 13A x PR 2	133.6 3	134.6 8	114.5 3	93.83	25.10	23.22	245.00	183.0 0	18.6 1	15.50
	Pusa 13A x Giza Basmati 201	134.6 0	135.9 0	115.3 8	92.00	29.83	23.43	252.59	140.3 3	19.0 2	16.43

Table 1: cont.

	Genotype	Panicle weight (g)		Filled grains panicle		1000 grain weight (g)		Spikelet fertility %		Grain yield plant ¹ (g)	
		N	S	N	S	N	S	N	S	N	S
Lines	IR58025A	4.11	2.53	195.9 0	120.3 3	23.08	17.97	90.4 9	74.4 3	35.80	21.83
	IR68902A	3.68	2.83	160.1 3	129.0 0	22.58	17.65	91.5 9	84.8 7	35.93	26.11
	Pusa 11a	3.95	3.37	176.2 7	113.5 3	23.87	18.43	90.7 9	64.5 9	34.67	31.47
	Pusa 12A	4.21	3.39	183.5 2	145.6 7	25.44	21.92	91.2 7	85.8 6	37.97	25.87
	Pusa 13A	3.64	3.15	192.9 3	151.0 0	26.13	21.93	91.8 3	88.1 3	39.47	27.40
Testers	IR25571-31-1	4.27	2.50	171.1 0	118.3 3	27.05	23.42	91.8 2	88.7 5	39.07	22.36
	PR 1	5.22	3.57	183.3 5	119.0 0	28.86	25.19	92.3 5	82.8 3	43.00	22.78
	PR 2	5.39	3.49	179.8 0	112.6 7	28.67	25.21	92.0 3	80.8 7	44.67	33.53
	Giza Basmati 201	5.02	3.69	188.9 2	120.6 7	29.80	26.11	92.7 8	83.0 3	46.67	31.83
Hybrid combinations	IR58025A x IR25571-31-1	5.82	4.18	216.6 3	151.6 7	25.53	23.93	92.0 1	86.1 8	54.03	32.10
	IR58025A x PR 1	6.23	4.14	196.6 1	164.0 0	26.74	25.02	89.4 8	84.5 4	49.07	34.32
	IR58025A x PR 2	5.99	4.23	203.9 3	163.0 0	26.50	24.11	90.6 0	80.0 4	51.93	42.31
	IR58025A x Giza Basmati 201	5.60	5.43	202.9 1	190.0 0	27.20	24.98	91.4 5	92.3 9	55.53	30.33
	IR68902A x IR25571-31-1	6.02	3.95	201.4 1	145.8 3	25.98	23.04	91.2 0	83.0 2	62.10	30.70
	IR68902A x PR 1	6.58	5.40	217.7 4	200.3 3	25.24	23.71	93.7 5	90.6 5	55.70	33.80
	IR68902A x PR 2	6.17	4.54	215.1 1	174.3 3	25.21	23.58	90.7 8	91.1 2	49.53	40.47
	IR68902A x Giza Basmati 201	6.14	4.17	214.3 6	157.3 3	26.83	24.10	92.9 5	87.2 1	37.20	31.11
	Pusa 11A x IR25571-31-1	6.01	5.21	202.4 8	168.6 7	26.95	24.14	89.5 5	80.0 6	49.47	27.89
	Pusa 11A x PR 1	5.89	3.76	235.7 2	141.6 7	26.85	23.02	92.4 1	78.0 0	55.47	30.97
	Pusa 11A x PR 2	5.66	5.33	235.8 1	198.5 0	27.16	22.49	92.0 3	82.1 4	45.17	34.49
	Pusa 11A x Giza Basmati 201	5.79	4.69	235.7 8	164.3 3	27.42	23.66	90.1 7	87.5 7	38.87	26.53
	Pusa 12A x IR25571-31-1	6.12	5.19	217.0 9	191.8 3	27.00	22.63	93.9 3	85.5 1	52.87	42.60
	Pusa 12A x PR 1	5.97	5.49	242.3 0	212.3 3	27.56	23.08	93.4 0	91.9 2	38.23	22.90
	Pusa 12A x PR 2	5.46	4.38	255.6 5	156.0 0	27.49	22.50	94.9 5	81.9 6	43.50	30.50

Pusa 12A x Giza Basmati 201	6.03	3.94	234.6 1	142.3 3	28.96	25.42	91.6 2	68.6 0	52.37	40.17
Pusa 13A x IR25571-31-1	5.38	3.19	225.2 6	153.0 0	27.53	24.03	91.8 5	89.4 8	38.93	31.17
Pusa 13A x PR 1	5.71	3.23	220.8 4	154.3 3	28.10	25.10	90.5 8	78.6 1	65.97	28.68
Pusa 13A x PR 2	5.75	3.17	225.8 4	140.0 0	27.97	24.95	92.1 7	76.5 1	39.50	28.30
Pusa 13A x Giza Basmati 201	6.28	3.13	231.7 7	101.3 3	28.35	25.13	91.7 4	72.2 1	39.67	30.11