

Table 2 *Per se* performance of 28 barbadense lines and 4 hirsutum testers for seed cotton yield and physiological parameters

Sl. No.	Parents	Seed cotton yield	Photosynthesis rate	Stomatal conductance	Transpiration rate
		(kg/ha)	($\mu\text{mol CO}_2 \text{ m}^{-2} \cdot \text{s}^{-1}$)	($\mu\text{mol m}^{-2} \cdot \text{s}^{-1}$)	($\text{mmol H}_2\text{O m}^{-2} \cdot \text{s}^{-1}$)
		1	2	3	4
1	DB 533 x DB 534 F ₅ IPS 44	893.52	21.36	1.05	9.58
2	DB 533 x DB 534 F ₅ IPS 62	697.10	24.76	0.92	9.56
3	DB 533 x DB 534 F ₅ IPS 105	1052.42	21.89	0.73	16.66
4	DB 533 x DB 534 F ₅ IPS 26	766.91	24.45	0.74	9.14
5	DB 533 x DB 534 F ₅ IPS 71	783.06	18.66	0.59	8.00
6	DB 533 x DB 534 F ₅ IPS 30	669.49	24.38	0.68	8.62
7	DB 533 x DB 534 F ₅ IPS 25	959.68	24.12	0.71	9.68
8	DB 533 x DB 534 F ₅ IPS 49	1368.15	26.80	0.87	9.65
9	DB 533 x DB 534 F ₅ IPS 23	710.64	22.25	0.84	9.35
10	DB 533 x DB 534 F ₅ IPS 36	670.01	20.17	0.62	8.26
11	DB 533 x DB 534 F ₅ IPS 15	828.91	18.04	0.55	8.28
12	DB 533 x DB 534 F ₅ IPS 1	858.09	22.19	0.71	8.87
13	DB 533 x DB 534 F ₅ IPS 33	441.81	22.43	0.89	9.59
14	DB 533 x DB 534 F ₅ IPS 24	585.08	22.73	0.76	8.48
15	DB 533 x DB 534 F ₅ IPS 16	1012.82	26.69	1.29	9.43
16	DB 533 x DB 534 F ₅ IPS 52	1092.54	25.84	0.82	8.85
17	DB 533 x DB 534 F ₅ IPS 12	764.31	23.85	0.72	8.67
18	DB 534 x DB 533 F ₅ IPS 22	1250.40	25.43	0.77	8.79
19	DB 533 x DB 534 F ₅ IPS 14	848.71	18.51	0.56	7.92
20	DB 533 x DB 534 F ₅ IPS 34	947.18	23.75	0.63	8.09
21	DB 533 x DB 534 F ₅ IPS 55	945.62	18.00	2.38	8.63
22	DB 533 x DB 534 F ₅ IPS 17	1037.31	19.63	0.57	8.17
23	DB 533 x DB 534 F ₅ IPS 32	606.97	23.70	0.74	9.58
24	DB 533 x DB 534 F ₅ IPS 38	754.93	26.54	0.73	8.93
25	DB 533 x DB 534 F ₅ IPS 48	993.55	24.91	0.66	9.85
26	DB 533 x DB 534 F ₅ IPS 13	881.01	27.15	1.00	10.20
27	DB 533 x DB 534 F ₅ IPS 6	844.54	20.60	0.77	9.34
28	DB 533 x DB 534 F ₅ IPS 8	866.42	16.49	0.67	9.25
	Mean	861.83	22.69	0.82	9.27
	Max	1368.15	27.15	2.38	16.66
	Min	441.81	16.49	0.55	7.92
1	DH 98-27	2503.93	23.64	0.96	10.09
2	ZCH8	2368.99	22.35	0.81	10.68
3	178-24	1870.91	29.62	1.22	11.77
4	DH18-31	2074.10	21.20	0.78	10.55
	Mean	2204.48	24.20	0.94	10.77
	Max	2503.93	29.62	1.22	11.77
	Min	1870.91	21.20	0.78	10.09