

Supplementary Table S1. Agronomic characters of Pusa 44 *qDTY12.1* near isogenic lines during 2019 dry season in Aduthurai.

No.	Pedigree	DFF (days)	PH (cm)	TLN	PL (cm)	FGNP	TGP	SFP (%)	1000GW (g)	PLY (g.sqm ⁻¹)
1	Pusa 3003-15-121-17-47-2	108.50	90.50 ^{ab}	9.9	23.05 ^b	128.10 ^{ab}	167.00 ^{ab}	76.64 ^a	20.52 ^{ab}	400.50 ^{ab}
2	Pusa 3003-15-121-17-47-5	114.50	91.60 ^{ab}	13.6	23.50 ^{ab}	124.10 ^{ab}	180.40 ^{ab}	69.64 ^a	20.39 ^{abc}	412.84 ^{ab}
3	Pusa 3003-15-121-29-2-1	108.50	80.20 ^{cd}	15.3	24.92 ^{ab}	94.30 ^b	164.20 ^b	57.42 ^a	19.31 ^{b-e}	294.33 ^b
4	Pusa 3003-15-121-29-21-4	110.00	87.20 ^{a-d}	11.8	25.23 ^{ab}	123.10 ^{ab}	203.70 ^{ab}	61.30 ^a	18.80 ^{de}	473.34 ^{ab}
5	Pusa 3003-15-121-29-23-2	109.50	88.00 ^{a-d}	12.0	24.87 ^{ab}	127.20 ^{ab}	187.80 ^{ab}	67.47 ^a	18.76 ^{de}	392.16 ^{ab}
6	Pusa 3003-15-121-29-25-2	109.50	88.00 ^{a-d}	10.5	24.98 ^{ab}	133.80 ^{ab}	197.90 ^{ab}	67.64 ^a	20.23 ^{abc}	392.16 ^{ab}
7	Pusa 3003-15-121-29-3-1	108.00	90.90 ^{ab}	16.9	25.43 ^{ab}	144.60 ^{ab}	195.40 ^{ab}	72.80 ^a	19.24 ^{b-e}	411.66 ^{ab}
8	Pusa 3003-15-121-29-32-3	107.00	92.90 ^a	11.3	24.30 ^{ab}	133.90 ^{ab}	188.10 ^{ab}	71.05 ^a	20.25 ^{abc}	369.34 ^{ab}
9	Pusa 3003-15-121-31-32	108.00	87.50 ^{a-d}	11.3	24.04 ^{ab}	131.30 ^{ab}	173.70 ^{ab}	75.38 ^a	21.09 ^a	377.66 ^{ab}
10	Pusa 3003-15-121-9-37-2	109.00	93.80 ^a	13.8	24.32 ^{ab}	129.10 ^{ab}	201.20 ^{ab}	65.84 ^a	19.44 ^{b-e}	352.66 ^{ab}
11	Pusa 3003-15-121-9-43-2	108.50	90.90 ^{ab}	12.9	24.53 ^{ab}	136.50 ^{ab}	223.80 ^a	60.49 ^a	19.24 ^{b-e}	361.00 ^{ab}
12	Pusa 3003-15-121-9-5-3	107.00	88.50 ^{abc}	11.4	24.20 ^{ab}	137.30 ^{ab}	204.20 ^{ab}	67.50 ^a	19.16 ^{b-e}	327.52 ^b
13	Pusa 3003-15-121-9-5-5	108.00	89.00 ^{abc}	16.7	25.82 ^a	163.50 ^a	225.20 ^a	72.61 ^a	18.71 ^{de}	279.50 ^b
14	Pusa 3003-15-121-9-6-3	107.00	91.00 ^{ab}	10.1	25.56 ^a	156.30 ^{ab}	211.50 ^{ab}	74.47 ^a	19.73 ^{a-e}	476.72 ^{ab}
15	Pusa 3003-15-121-9-7-2	108.00	86.40 ^{a-d}	13.0	24.69 ^{ab}	96.30 ^b	178.40 ^{ab}	54.05 ^a	19.62 ^{b-e}	327.67 ^b
16	Pusa 3003-15-121-30-23	108.00	91.20 ^{ab}	12.3	24.69 ^{ab}	125.40 ^{ab}	181.80 ^{ab}	69.28 ^a	19.80 ^{a-d}	540.00 ^a
17	Pusa 3003-15-121-31-1	108.00	78.40 ^d	19.4	24.51 ^{ab}	112.20 ^{ab}	161.70 ^b	70.48 ^a	19.02 ^{cde}	322.67 ^b
18	Pusa 3003-15-121-9-27	108.00	83.90 ^{a-d}	13.1	24.94 ^{ab}	135.90 ^{ab}	195.70 ^{ab}	70.62 ^a	19.24 ^{b-e}	400.50 ^{ab}
19	Pusa 44	108.00	82.50 ^{bcd}	9.2	25.20 ^{ab}	148.00 ^{ab}	192.20 ^{ab}	76.26 ^a	18.34 ^e	402.67 ^{ab}
	CV%	1.67	2.78	20.87	2.45	12.16	7.54	8.43	1.79	13.54
	CD	ns	9.92	ns	2.45	64.45	58.55	23.44	1.42	211.66

DFF, Days to 50% flowering; PH, Plant height; TLN, tillers number per hill; PL, panicle length; FGNP, filled grains number per panicle; TGP, number of total grains per panicle; SFP, spikelet fertility per cent; 1000GW, 1000 grain weight; PLY, plot yield, ns, non-significant; CV%, coefficient of variation; CD, critical differences,