

Table 2 Descriptive statistics for the six agronomic traits

Traits	Location	Average	Minimum	Maximum	Standard deviation
PH (cm)	HD	78.81	61.67	105.00	7.11
	SY	68.05	48.00	88.00	9.27
	FY	89.16	70.50	124.50	8.77
SL (cm)	HD	9.81	6.73	14.03	1.32
	SY	–	–	–	–
	FY	9.84	6.47	14.01	1.41
SPS (No./spike)	HD	20.38	17.83	24.00	1.30
	SY	19.89	16.50	23.95	1.40
	FY	22.29	18.80	27.60	1.61
SD (No./cm)	HD	2.11	1.61	2.90	0.24
	SY	–	–	–	–
	FY	2.31	1.79	3.22	0.28
GPS (No./spike)	HD	43.28	30.33	61.56	6.19
	SY	45.01	34.05	63.50	6.40
	FY	44.70	25.00	63.45	7.05
TKW (g)	HD	33.92	23.17	46.1	4.69
	SY	36.86	23.50	57.00	5.76
	FY	–	–	–	–

Note: “–” indicates that the data was missed; Traits: PH: Plant height; SL: Spike length; SPS: Spikelets per spike; SD Spikelets density; GPS: Grains per spike; TKW: Thousand kernel weight; Three locations: HD: Haidian); SY: Shunyi; FY: Fuyanga