Table 2 Details of QPM inbred lines used in the study

S. No.	Inbred	Source population	Institution	Kernel-Fe (mg/kg)	Kernel-Zn (mg/kg)
1	BQPML-5244	G33QC20	ANGRAU, Hyderabad, India	31.4	30.0
2	BQPML-63-1-3	P61C1	ANGRAU, Hyderabad, India	24.7	31.4
3	BQPML-5122	587(PC65Q)	ANGRAU, Hyderabad, India	27.0	33.7
4	BQPML-5204-2-5	P65C6	ANGRAU, Hyderabad, India	32.2	34.9
5	BQPML-5204-1-5	P65C6	ANGRAU, Hyderabad, India	33.8	39.4
6	BQPML-5207-4-2	P66CO	ANGRAU, Hyderabad, India	32.5	37.9
7	BQPML-10-1-1	G17QC8	ANGRAU, Hyderabad, India	40.1	35.2
8	BQPML-199-2	G26QC23	ANGRAU, Hyderabad, India	31.1	38.2
9	BQPML-62	P61C1	ANGRAU, Hyderabad, India	26.2	34.9
10	BQPML-412	P66C0	ANGRAU, Hyderabad, India	29.8	31.8
11	CML161	G25QC18H520	CIMMYT, Mexico	26.1	22.7
12	CML162	G25QC1F18	CIMMYT, Mexico	28.6	30.1
13	CML169	G26QC22H7	CIMMYT, Mexico	29.3	32.3
14	CML170	G26QC22H9	CIMMYT, Mexico	33.6	20.9
15	CML173	P68C1F180	CIMMYT, Mexico	27.0	20.8
16	CML176	P63-12-2-1/P67-5-1-1	CIMMYT, Mexico	29.7	24.2
17	CML180	G32Q/EV8444SRBC4	CIMMYT, Mexico	23.8	17.6
18	LQPM-2	S0/SN Comp(P)SN6	CSK-HPKV, Bajaura, India	28.3	30.3
19	LQPM-10	28FSF(MS)HEC	CSK-HPKV, Bajaura, India	39.8	25.7
20	LQPM-19	CIMMYT population-6482	CSK-HPKV, Bajaura, India	35.7	22.2
21	LQPM-20	S0/SN Comp	CSK-HPKV, Bajaura, India	42.3	35.0
22	LQPM-30	28FS(MS)HEC	CSK-HPKV, Bajaura, India	39.4	31.8
23	LQPM-34	Shakti(S0)HE25	CSK-HPKV, Bajaura, India	37.7	21.3
24	LQPM-40	CIMMYT population-6482	CSK-HPKV, Bajaura, India	26.4	12.6
25	VQL1	CM212/CML180	VPKAS, Almora, India	36.0	28.9
26	VQL2	CM145/CML170	VPKAS, Almora, India	34.5	22.0
27	VQL5	V25/CML184	VPKAS, Almora, India	27.9	31.7
28	VQL8	CM145/CML170	VPKAS, Almora, India	37.8	27.2
29	VQL26	V351/CML173	VPKAS, Almora, India	37.1	24.5
30	DMRQPM-60	28 FS (MS)6 HECC	DMR, New Delhi, India	39.3	19.7
31	DMRQPM-03-102	Derivative of 'Shakti'	DMR, New Delhi, India	41.2	26.0
32	DMRQPM-121	Derivative of 'Shakti'	DMR, New Delhi, India	36.1	21.7
33	HKI161	Selection from CML161	CCS-HAU, Uchani, India	26.2	18.4
34	HKI163	Selection from CML163	CCS-HAU, Uchani, India	27.9	31.6
35	HKI170	Selection from CML170	CCS-HAU, Uchani, India	42.7	23.8
36	HKI193-1	Selection from CML193	CCS-HAU, Uchani, India	37.0	28.9
37	HKI193-2	Selection from CML193	CCS-HAU, Uchani, , India	39.7	32.9
38	MGUQ-101	HKI1105/CML161	IARI, New Delhi, India	35.9	27.2
39	MGUQ-102	HKI1128/HKI193-1	IARI, New Delhi, India	34.3	36.4
40	MGUQ-103	HKI323/HKI161	IARI, New Delhi, India	41.6	25.8
41	MGUQ-104	CM137/DMRQPM03-124	IARI, New Delhi, India	36.2	15.9
42	MGUQ-105	CM138/CML161	IARI, New Delhi, India	28.2	14.0
43	MGUQ-106	CM139/DMRQPM-58	IARI, New Delhi, India	38.4	13.9
44	MGUQ-107	CM140/CML161	IARI, New Delhi, India	36.9	15.8
45	MGUQ-108	CM150/CML161	IARI, New Delhi, India	30.8	19.7
46	MGUQ-109	CM151/DMRQPM-58	IARI, New Delhi, India	32.8	19.4
Mean				33.4	26.5
SE				2.61	1.45