

Table S1. List of 120 diverse mungbean genotypes along with their accession IDs submitted to NCBI-sequence read archive (SRA) database.

S. No	Genotype	Accession ID	Type	S. No	Genotype	Accession ID	Type
1	AKM 9904	SRR11210848	RV	61	M 1503	SRR11210822	GL
2	BASANTI	SRR11210847	RV	62	M 204	SRR11210821	GL
3	Bhutan LM 1	SRR11210739	RV	63	M 289	SRR11210820	GL
4	Bhutan LM 2	SRR11210728	RV	64	M 313	SRR11210819	GL
5	Bhutan LM 95	SRR11210717	RV	65	M 422	SRR11210818	GL
6	China Mung	SRR11210706	RV	66	M 499	SRR11210817	GL
7	COGG 912	SRR11210835	RV	67	M 565	SRR11210816	GL
8	DMS 8	SRR11210824	ABL	68	M 684	SRR11210814	GL
9	EC 3988891	SRR11210813	GL	69	M 700	SRR11210784	GL
10	EC 520024	SRR11210773	GL	70	M 703	SRR11210782	GL
11	EC 520026	SRR11210846	GL	71	M 723	SRR11210781	GL
12	EC 520041	SRR11210792	GL	72	M 875	SRR11210777	GL
13	GANGA 8	SRR11210744	RV	73	M 880	SRR11210776	GL
14	HUM 1	SRR11210743	RV	74	M 958	SRR11210774	GL
15	HUM 16	SRR11210742	RV	75	MH 1442	SRR11210771	ABL
16	HUM 2	SRR11210741	RV	76	MH 215	SRR11210770	RV
17	HUM 6	SRR11210740	RV	77	MH 318	SRR11210769	RV
18	IC 282096	SRR11210736	GL	78	MH 565	SRR11210768	ABL
19	IC 325828	SRR11210735	GL	79	MH 96-1	SRR11210765	RV
20	IC 436637	SRR11210734	GL	80	ML 1299	SRR11210764	GL
21	IC 436763	SRR11210733	GL	81	ML 1451	SRR11210763	GL
22	IC 546476	SRR11210732	GL	82	ML 1464	SRR11210844	GL
23	IC 546488	SRR11210731	GL	83	ML 1628	SRR11210812	ABL
24	IPM 02-19	SRR11210730	ABL	84	ML 2037	SRR11210811	GL
25	IPM 406-1	SRR11210729	ABL	85	ML 818	SRR11210810	RV
26	IPM 409-4	SRR11210727	ABL	86	NM 1	SRR11210808	RV
27	IPM 410-3	SRR11210726	RV	87	OLRM 24	SRR11210807	GL
28	IPM 02-14	SRR11210725	RV	88	OLRM 4	SRR11210806	GL
29	IPM 02-15	SRR11210724	ABL	89	PDM 139	SRR11210805	RV
30	IPM 02-17	SRR11210723	ABL	90	PLM 271	SRR11210802	GL
31	IPM 02-30	SRR11210721	ABL	91	Prakash Nepal	SRR11210801	RV
32	IPM 205-7	SRR11210719	RV	92	PS 16	SRR11210800	RV
33	IPM 288	SRR11210718	ABL	93	PUSA 0971	SRR11210799	RV
34	KM 11-40	SRR11210716	ABL	94	PUSA 1033	SRR11210798	ABL
35	KM 12-28	SRR11210715	ABL	95	PUSA 1131	SRR11210797	ABL
36	KM 16-23	SRR11210714	ABL	96	PUSA 1331	SRR11210795	ABL
37	KM 16-58	SRR11210713	ABL	97	PUSA 1332	SRR11210794	ABL
38	KM 16-60	SRR11210712	ABL	98	PUSA 1333	SRR11210793	ABL
39	KM 16-75	SRR11210710	ABL	99	PUSA 1341	SRR11210791	ABL

40	KM 16-76	SRR11210709	ABL	100	PUSA 1342	SRR11210790	ABL
41	KM 16-81	SRR11210707	ABL	101	PUSA 1441	SRR11210789	ABL
42	KM 16-82	SRR11210705	ABL	102	PUSA 871	SRR11210788	ABL
43	KM 2241	SRR11210845	ABL	103	Pusa Baisakhi	SRR11210787	RV
44	KM 7-134	SRR11210843	ABL	104	Pusa Ratna	SRR11210786	RV
45	LGG 460	SRR11210842	RV	105	Pusa Vishal	SRR11210785	RV
46	M 1053	SRR11210840	GL	106	RMG 1028	SRR11210783	RV
47	M 1131	SRR11210839	GL	107	RMG 1087	SRR11210762	RV
48	M 1168	SRR11210837	GL	108	RMG 991	SRR11210761	RV
49	M 1255	SRR11210836	GL	109	RMGP 1	SRR11210759	RV
50	M 1358	SRR11210834	GL	110	SATYA	SRR11210758	RV
51	M 1370	SRR11210833	GL	111	SML 668	SRR11210757	RV
52	M 1372	SRR11210832	GL	112	TM 96-2	SRR11210756	RV
53	M 1378	SRR11210831	GL	113	TM 96-25	SRR11210755	RV
54	M 1400	SRR11210830	GL	114	TM 9725	SRR11210754	ABL
55	M 1421	SRR11210829	GL	115	V 1109	SRR11210752	ABL
56	M 1447	SRR11210828	GL	116	V 1138	SRR11210751	ABL
57	M 145	SRR11210827	GL	117	V 1153	SRR11210750	ABL
58	M 1477	SRR11210826	GL	118	V 3518	SRR11210748	ABL
59	M 1485	SRR11210825	GL	119	Yellow Mung 1	SRR11210746	GL
60	M 1493	SRR11210823	GL	120	Yellow Mung 2	SRR11210745	GL

RV, released variety; ABL, advanced breeding line; GL, germplasm line.