

Table S1. Descriptions of 64 Ethiopian chickpea accessions used in the study.

S/N	SAMPLE CODE	ACCESSION	REGION	ZONE	DISTRICT	LATITUDE	LONGITUDE	ALTITUDE	SEED SOURCE
1	ETC_41046	41046	AMHARA	NORTH GONDAR	CHILGA	12-33-00-N	37-04-00-E	2160	EBI
2	ETC_41086	41086	AMHARA	EAST GOJAM	GUZAMN	10-14-46-N	37-35-46-E	2181	EBI
3	ETC_41118	41118	OROMIYA	EAST SHEWA	ADA-A CHUKALA	08-45-00-N	38-59-00-E	1860	EBI
4	ETC_41128	41128	OROMIYA	EAST SHEWA	AKAKI	08-50-00-N	38-48-00-E	2130	EBI
5	ETC_41140	41140	OROMIYA	EAST SHEWA	LOME	08-34-00-N	39-19-00-E	2030	EBI
6	ETC_41175	41175	OROMIYA	WEST SHEWA	AMBO	08-59-00-N	37-51-00-E	1970	EBI
7	ETC_41184	41184	OROMIYA	WEST SHEWA	WALISONA GORO	08-32-00-N	37-59-00-E	2050	EBI
8	ETC_41186	41186	OROMIYA	WEST SHEWA	WALISONA GORO	08-27-00-N	37-55-00-E	1960	EBI
9	ETC_41191	41191	OROMIYA	WEST SHEWA	WALISONA GORO	08-35-00-N	37-59-00-E	2110	EBI
10	ETC_41200	41200	OROMIYA	WEST SHEWA	BECHO	08-45-00-N	38-19-00-E	2100	EBI
11	ETC_41215	41215	AMHARA	NORTH SHEWA	MORETNA JIRU	09-53-00-N	39-09-00-E	2640	EBI
12	ETC_41224	41224	AMHARA	EAST GOJAM	ENEMAY	10-30-00-N	38-09-00-E	2500	EBI
13	ETC_41237	41237	AMHARA	EAST GOJAM	ENEMAY	10-25-00-N	38-20-00-E	2400	EBI
14	ETC_41238	41238	AMHARA	EAST GOJAM	ENEMAY	10-25-00-N	38-20-00-E	2400	EBI
15	ETC_41248	41248	AMHARA	EAST GOJAM	ENEMAY	10-24-00-N	38-16-00-E	2350	EBI
16	ETC_41249	41249	AMHARA	EAST GOJAM	SHEBEL BERENTA	10-28-00-N	38-12-00-E	2350	EBI
17	ETC_41259	41259	AMHARA	EAST GOJAM	GONCHA SISO ENESE	10-53-00-N	38-13-00-E	2560	EBI
18	ETC_41265	41265	AMHARA	EAST GOJAM	HULET EJ ENESE	11-04-00-N	37-52-00-E	2450	EBI
19	ETC_41271	41271	AMHARA	WEST GOJAM	ADET	11-17-00-N	37-28-00-E	1880	EBI
20	ETC_41280	41280	AMHARA	NORTH GONDAR	GONDAR ZURIA	12-18-00-N	37-41-00-E	1940	EBI
21	ETC_41282	41282	AMHARA	BAHIR DAR SPECIAL	BAHIR DAR	11-35-00-N	37-21-00-E	1890	EBI
22	ETC_208985	208985	OROMIYA	NORTH SHEWA	BEREHNA ALELTU	09-08-00-N	38-54-00-E	2600	EBI
23	ETC_209008	209008	SNNP	HADIYA	BADAWACHO	07-10-06-N	37-54-57-E	1850	EBI
24	ETC_212477	212477	AMHARA	NORTH SHEWA	WEREMO WAJETUNA MID	10-14-00-N	39-00-00-E	1610	EBI
25	ETC_215667	215667	AMHARA	OROMIYA	BATI	11-11-00-N	39-50-00-E	2057	EBI
26	ETC_216853	216853	OROMIYA	ARSSI	TIYO	07-53-15-N	39-06-48-E	2487	EBI
27	ETC_231330	231330	OROMIYA	ARSSI	JEJU	08-23-10-N	39-41-35-E	2079	EBI

Seed Source: EBI- Ethiopian Biodiversity Institute; DZARC-Debrezeit Agricultural Research Center

Table S1. Cont...

S/N	SAMPLE CODE	ACCESSION	REGION	ZONE	DISTRICT	LATITUDE	LONGITUDE	ALTITUDE	SEED SOURCE
28	ETC_235031	235031	AMHARA	SOUTH WELLO	TEHULEDERE	11-13-00-N	39-38-00-E	1840	EBI
29	ETC_235035	235035	AMHARA	NORTH SHEWA	EFROTANA GIDIM	11-03 -00-N	39-43-00-E	1740	EBI
30	ETC_235393	235393	TIGRAY	CENTRAL TIGRAY	KOLA TEMBEN	13-42-00-N	39-05-00-E	1500	EBI
31	ETC_235394	235394	TIGRAY	CENTRAL TIGRAY	KOLA TEMBEN	13-36-00-N	39-09-00-E	1640	EBI
32	ETC_235396	235396	TIGRAY	CENTRAL TIGRAY	KOLA TEMBEN	13-39-51-N	38-54-58-E	1722	EBI
33	ETC_235398	235398	TIGRAY	SOUTHERN TIGRAY	MEKELE	13-29-37-N	39-27-57-E	2052	EBI
34	ETC_236462	236462	TIGRAY	CENTRAL TIGRAY	ENTICHO	14-16-44-N	39-09-04-E	2130	EBI
35	ETC_A_1_2016	A DW A 1 2016	AMHARA	SOUTH WELO	AMBASEL	11-29-33.866-N	039-36-52.358-E	1666	FARMERS
36	ETC_A_2_2016	A DW A 2 2016	AMHARA	SOUTH WELO	AMBASEL	11-29-43.908-N	039-36-45.162-E	1710	FARMERS
37	ETC_TD_4_2016	A DW TD 4 2016	AMHARA	AMHARA REGION OROMIA ZONE (KEMISSE)	TEHULE DERE	11-17-21.404-N	039-40-36.150-E	1994	FARMERS
38	ETC_K_3_2016	A DW K 3 2016	AMHARA	AMHARA REGION OROMIA ZONE (KEMISSE)	ARTUMA FURSE	10-34-34.377-N	039-55-10.620-E	1461	FARMERS
39	ETC_GN_1_2016	Ginchi 01/ Dendi	OROMIYA	WEST SHEWA	DENDI	09-00-59.19-N	038-12-40.633-E	2350	FARMERS
40	ETC_AM_1_2016	Ambo 01	OROMIYA	WEST SHEWA	AMBO	08-58-21.6-N	037-57-05.11-E	2394	FARMERS
41	ETC_BM_2_2016	Bambasi 02	BENISHANGUL-GUMUZ	ASOSA ZONE	BAMBASI	09-41-11.989-N	034-42-17.485-E	1462	FARMERS
42	ETC_WL_1_2016	Wollega LV	OROMIYA	KELEM WELLEGA	SEYO WOREDA	08-19-60- N	35-00-00- E	1850	FARMERS
43	ETC_HA_2_2016	A DW H 2 2016	AMHARA	SOUTH WELO	HABRU	11-34-50.012-N	039-39-46.052-E	1585	FARMERS
44	ETC_B_1_2016	O B 1 2016	OROMIYA	SOUTH WEST SHEWA	BECHO	08-36-38.675-N	038-08-35.671-E	2216	FARMERS
45	ETC_B_2_2016	O B 2 2016	OROMIYA	SOUTH WEST SHEWA	BECHO	08-38-46.372-N	038-08-26.360-E	2299	FARMERS
46	ETC_H_6_2016	O H 6 2016	OROMIYA	WEST SHEWA	WELEMERA	09-00-49-N	038-27-52.9-E	2236	FARMERS
47	ETC_II_1_2016	O II 1 1 2016	OROMIYA	SOUTH WEST SHEWA	ILLU	08-47-32.424-N	038-19-28.011-E	2343	FARMERS
48	ETC_S_2_2016	O S 2 2017	OROMIYA	SOUTH WEST SHEWA	SEBETA HAWAS	08-51-53.972-N	038-31-58.048-E	2060	FARMERS
49	ETC_S_3_2016	O S 3 2018	OROMIYA	SOUTH WEST SHEWA	SEBETA HAWAS	08-50-55-N	038-30-14-E	2062	FARMERS
50	ETC_S_4_2016	O S 4 2019	OROMIYA	SOUTH WEST SHEWA	SEBETA HAWAS	08-51-16.065-N	038-28-11.331-E	2078	FARMERS
51	ETC_SS_2_2016	O S S 2 2016	OROMIYA	SOUTH WEST SHEWA	SEDAN SODO	08-33-41.742-N	038-15-07.635-E	2287	FARMERS
52	ETC_K_6_2016	A DW K 6 2016	AMHARA	AMHARA REGION OROMIA ZONE (KEMISSE)	ARTUMA FURSE	10-30-54.255-N	039-56-51.626-E	1464	FARMERS

Seed Source: EBI- Ethiopian Biodiversity Institute; DZARC-Debrezeit Agricultural Research Center

Table S1. Cont...

S/N	SAMPLE CODE	ORIGIN	CLASSIFICATION	YEAR OF RELEASE	SEED SOURCE
53	Akaki	ICRISAT	Released variety	1995	DZARC
54	Dalota	ICRISAT	Released variety	2013	DZARC
55	Dubie	Ethiopia	Released variety	1978	DZARC
56	Dhera	ICARDA	Released variety	2016	DZARC
57	Ejere	ICARDA	Released variety	2005	DZARC
58	Kasech	ICRISAT	Released variety	2011	DZARC
59	Natoli	ICRISAT	Released variety	2007	DZARC
60	Yelbie	ICRISAT	Released variety	2006	DZARC
61	DZ-2012-CK-0032	-	Advanced line	-	DZARC
62	DZ-2012-CK-20113-2-0042	-	Advanced line	-	DZARC
63	DZ-2012-CK-0233	-	Advanced line	-	DZARC
64	DZ-2012-CK-0237	-	Advanced line	-	DZARC

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