

Article

Title: Genetic Diversity and Population Structure of *Brachiaria* (syn. *Urochloa*) Ecotypes from Uganda

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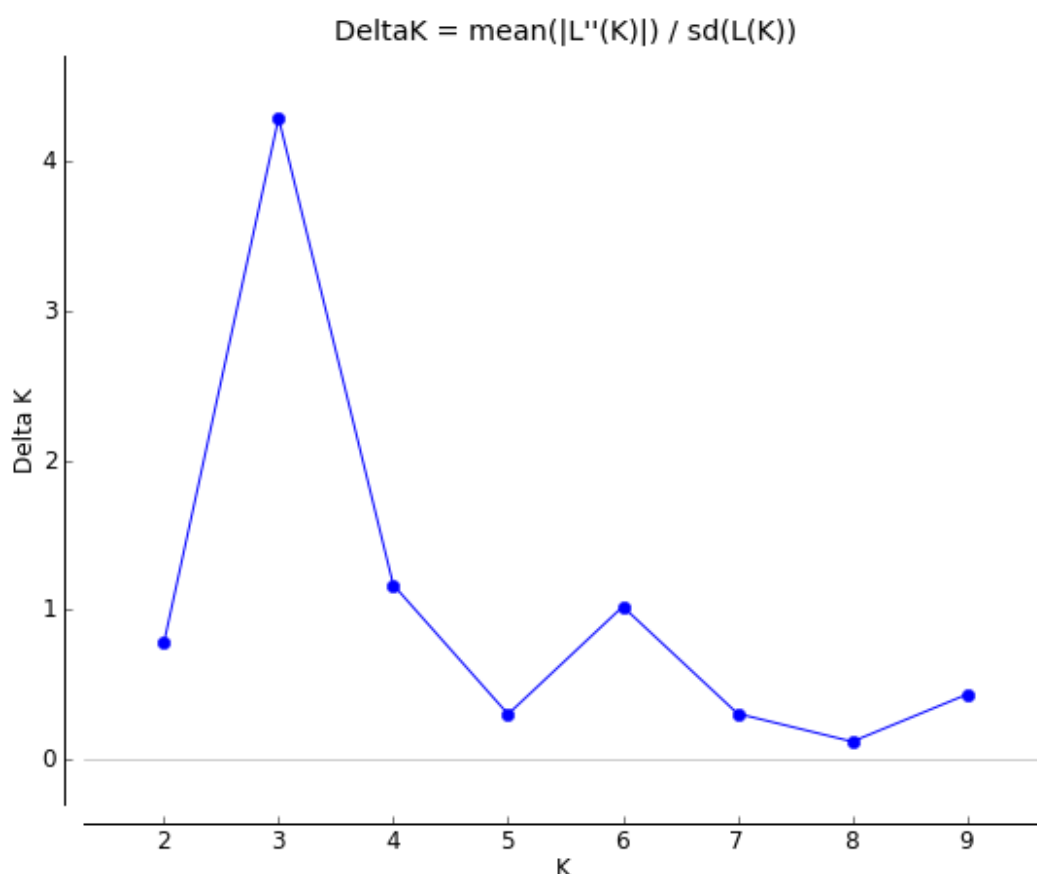


Figure S1: Plot of changes in ΔK value with the number of subpopulations.



Table S1: Ugandan *Brachiaria* ecotypes and their collection details.

Sample ID	NaLIRRI ID	District	Region	Lat. E	Lon. N	Altitude (m asl)	Rainfall* (mm/annum)
ug-001	Lira 09	Lira	Northern	2.29584	32.91837	1093	1376
ug-002	Arua 13	Arua	Northern	3.07600	30.94900	1202	1404
ug-003	Njeru 03	Njeru	Central	0.42171	33.17931	1212	846
ug-004	Wks 06	Wakiso	Central	0.52297	32.62317	1146	1224
ug-005	Lira 12	Lira	Northern	2.29625	32.92122	1097	1376
ug-006	Fp 12	F. Portal	Southwestern	0.65419	30.19791	1508	1459
ug-007	Mbr 01	Mbarara	South dryland	-0.60722	30.61224	1429	941
ug-008	Mbr 11	Mbarara	South dryland	-0.60004	30.61354	1414	941
ug-009	Wks 07	Wakiso	Central	0.51799	32.62738	1152	1224
ug-010	Lira 03	Lira	Northern	2.29426	32.92136	1095	1376
ug-011	Fp 14	F. Portal	Southwestern	0.65418	30.19819	1503	1459
ug-013	Wks 03	Wakiso	Central	0.51990	32.62233	1195	1224
ug-014	Hm 13	Hoima	Western	1.49973	31.49901	1151	1382
ug-015	Wks 17	Wakiso	Central	0.51687	32.64056	1129	1224
ug-017	Hm 05	Hoima	Western	1.49810	31.49334	1151	1382
ug-018	Fp 17	F. Portal	Southwestern	0.65416	30.19887	1504	1459
ug-019	Hm 02	Hoima	Western	1.49758	31.49489	1151	1382
ug-020	Hm 03	Hoima	Western	1.49769	31.49372	1149	1382
ug-021	Lira 11	Lira	Northern	2.29512	32.91907	1090	1376
ug-022	Wks 15	Wakiso	Central	0.51329	32.64331	1124	1224
ug-023	Mbr 04	Mbarara	South dryland	-0.60716	30.61146	1430	941
ug-024	Mbr 09	Mbarara	South dryland	-0.60766	30.60912	1417	941
ug-025	Wks 18	Wakiso	Central	0.51614	32.63948	1138	1224
ug-026	Hm 06	Hoima	Western	1.49798	31.49343	1149	1382
ug-027	Kb 05	Kabale	South dryland	-1.25205	29.93772	2210	1018
ug-028	Mbr 04	Mbarara	South dryland	-0.60716	30.61146	1423	941
ug-029	Arua 12	Arua	Northern	3.07678	30.94935	1202	1404
ug-030	Lira 08	Lira	Northern	2.29577	32.91873	1093	1376
ug-031	Lira 07	Lira	Northern	2.29560	32.91908	1091	1376
ug-032	Hm 09	Hoima	Western	1.49773	31.49760	1158	1382
ug-033	Lira 02	Lira	Northern	2.29555	32.92184	1095	1376
ug-034	Mbr 03	Mbarara	South dryland	-0.60725	30.61123	1430	941
ug-035	Fp 04	F. Portal	Southwestern	0.65417	30.19908	1503	1459
ug-036	Fp 05	F. Portal	Southwestern	0.65418	30.19868	1503	1459
ug-037	Fp 16	F. Portal	Southwestern	0.65417	30.19884	1521	1459
ug-038	Njeru 09	Njeru	Central	0.41365	33.18357	1208	846
ug-039	Mbr 08	Mbarara	South dryland	-0.60832	30.60991	1420	941
ug-040	Hm 04	Hoima	Western	1.49785	31.49334	1150	1382
ug-041	Arua 41	Arua	Northern	3.07600	30.95020	1203	1404



Sample ID	NaLIRRI ID	District	Region	Lat. E	Lon. N	Altitude (m asl)	Rainfall* (mm/annum)
ug-042	Fp 19	F. Portal	Southwestern	0.65414	30.19988	1511	1459
ug-043	Arua 06	Arua	Northern	3.07500	30.94000	1207	1404
ug-044	Njeru 06	Njeru	Central	0.41758	33.17870	1248	846
ug-045	Wks 09	Wakiso	Central	0.52223	32.62996	1150	1224
ug-046	Fp 14	F. Portal	Southwestern	0.69397	30.34682	1496	1459
ug-047	Msd 04	Masindi	Western	0.65199	31.83252	1087	1355
ug-048	Wks 01	Wakiso	Central	0.51391	32.61922	1149	1224
ug-049	Wks 19	Wakiso	Central	0.51554	32.63869	1138	1224
ug-050	Wks 12	Wakiso	Central	0.50472	32.64555	1109	1224
ug-051	Hm 01	Hoima	Western	1.50100	31.49504	1141	1382
ug-052	Wks 13	Wakiso	Central	0.50620	32.64687	1109	1224
ug-053	Kb 01	Kabale	South dryland	-1.24960	29.93728	2233	1018
ug-054	Kb 02	Kabale	South dryland	-1.25172	29.93736	2214	1018
ug-055	Fp 09	F. Portal	Southwestern	0.65419	30.19890	1504	1459
ug-056	Mbr 06	Mbarara	South dryland	-0.60796	30.61044	1416	941
ug-057	Fp 07	F. Portal	Southwestern	0.65419	30.19941	1504	1459
ug-058	Wks 14	Wakiso	Central	0.50865	32.64783	1114	1224
ug-059	Hm 18	Hoima	Western	1.49772	31.49448	1118	1382
ug-061	Arua 10	Arua	Northern	3.07619	30.94699	1206	1404
ug-062	Wks 16	Wakiso	Central	0.51574	32.64149	1133	1224
ug-063	Hm 08	Hoima	Western	1.49735	31.49530	1154	1382
ug-064	Fp 11	F. Portal	Southwestern	0.65420	30.19814	1507	1459
ug-065	Njeru 07	Njeru	Central	0.41144	33.19092	1151	846
ug-066	Hm 12	Hoima	Western	1.49893	31.49712	1151	1382
ug-068	Mbr 05	Mbarara	South dryland	-0.60755	30.61042	1417	941
ug-069	Hm 14	Hoima	Western	1.49737	31.49485	1148	1382
ug-071	Wks 02	Wakiso	Central	0.51792	32.62300	1147	1224
ug-072	Arua 04	Arua	Northern	3.07000	30.94200	1202	1404
ug-073	Mbr 07	Mbarara	South dryland	-0.60786	30.61041	1426	941
ug-074	Hm 11	Hoima	Western	1.49862	31.49819	1155	1382
ug-075	Arua 02	Arua	Northern	3.00000	30.94000	1170	1404
ug-076	Fp 15	F. Portal	Southwestern	0.65418	30.19863	1507	1459
ug-077	Wks 05	Wakiso	Central	0.52922	32.61409	1172	1224
ug-078	Lira 06	Lira	Northern	2.29354	32.92051	1095	1376
ug-079	Wks 08	Wakiso	Central	0.52184	32.62869	1152	1224
ug-080	Kb 08	Kabale	South dryland	-1.25185	29.93740	2211	1018
ug-081	Arua 03	Arua	Northern	3.07000	30.94000	1206	1404
ug-082	Msd 07	Masindi	Western	1.64875	31.83574	1080	1355
ug-083	Lira 04	Lira	Northern	2.29313	32.92092	1091	1376
ug-084	Wks 04	Wakiso	Central	0.52555	32.61887	1155	1224
ug-085	Mbr 10	Mbarara	South dryland	-0.60037	30.61415	1417	941
ug-086	Hm 10	Hoima	Western	1.50006	31.49862	1149	1382



Sample ID	NaLIRRI ID	District	Region	Lat. E	Lon. N	Altitude (m asl)	Rainfall* (mm/annum)
ug-087	Fp 08	F. Portal	Southwestern	0.65419	30.19899	1510	1459
ug-088	Fp 03	F. Portal	Southwestern	0.65417	30.19929	1508	1459
ug-089	Wks 11	Wakiso	Central	0.51671	32.63745	1131	1224
ug-090	Mbr 07	Mbarara	South dryland	-0.60786	30.61041	1425	941
ug-091	Mbr 20	Mbarara	South dryland	-0.59013	30.61299	1411	941
ug-092	Mbr 06	Mbarara	South dryland	-0.60796	30.61044	1399	941
ug-093	Lira 10	Lira	Northern	2.29589	32.91818	1089	1376
ug-094	Arua 05	Arua	Northern	3.07480	30.94000	1207	1404
ug-095	Wks 08	Wakiso	Central	0.52400	32.62911	1152	1224
ug-096	Wks 10	Wakiso	Central	0.51932	32.63405	1150	1224
ug-097	Mbr 05	Mbarara	South dryland	-0.60755	30.61042	1521	941
ug-098	Arua 07	Arua	Northern	3.07570	30.94360	1209	1404
ug-099	Hm 01	Hoima	Western	1.49835	31.49506	1146	1382
ug-100	Arua 01	Arua	Northern	3.07000	30.94000	1206	1404
ug-101	Lira 05	Lira	Northern	2.29097	32.92076	1090	1376
ug-102	Fp 01	F. Portal	Southwestern	0.41597	30.20014	1507	1459
ug-103	Wks 07	Wakiso	Central	0.52664	32.62784	1150	1224
ug-104	Arua 11	Arua	Northern	3.00770	30.94840	1151	1404

*Source: Rainfall data were collected from online resources - <https://www.besttimetovisit.com.pk> (for Njeru district) and <https://en.climate-data.org> (for all other districts).