

Supplementary materials

Table S1: Passport data of Senegalese accessions

Sample number	Village	Region	Type	Latitude	Longitude
S1	CERAAS	Thiès	wild	14°76.579	16°89.232
S6	ENSA	Thiès	wild	14°76.551	16°88.954
S9	Keur Daouda Ciss	Thiès	wild	14°93.615	16°99.363
S13	Keur Daouda Ciss	Thiès	wild	14°93.797	16°99.455
S77	Afia Bamba	Kolda	wild	13.0479	14.5129
S22	Bambey	Diourbel	wild	14°71.049	16°47.969
S27	Laine	Thiès	wild	14°72.06	17°05.18
S52	Mbouloum	Fatick	wild	13°89.75	16°35.83
S55	Mbouloum	Fatick	wild	13°89.78	16°35.86
S56	Bagadadji	Fatick	wild	13°65.06	16°48.83
S61	Dassilamé Sérère	Fatick	wild	13°74.75	16°47.94
S79	Afia Bamba	Kolda	wild	13.0547	14.5149
S81	BoussiMballo	Sédhiou	wild	13.0273	15.1969
S82	BoussiMballo	Sédhiou	wild	13.0466	15.2369
S85	Koukouye	Sédhiou	wild	13.0661	15.3495
S90	Vélingara	Kolda	Intermediate form	13.1446	14.1002
D24	Ndiadiane	Diourbel	Intermediate form	14°68.839	16°50.894
D25	Ndiadiane	Diourbel	Intermediate form	14°68.764	16°50.995
L30	Théye Théye	Louga	Intermediate form	15°09.687	16°42.689
L32	Niahéne	Louga	Intermediate form	15°07.604	16°34.809
L34	Gueye Gueye	Louga	Intermediate form	15°05.409	16°69.680
L36	Gueye Gueye	Louga	Intermediate form	15°05.397	16°69.580
L39	Thiowor	Louga	Intermediate form	15°72.012	16°44.397
L40	Thiowor	Louga	Intermediate form	15°72.082	16°44.370
L41	Thiowor	Louga	Intermediate form	15°72.082	16°44.370
L43	Beyty	Louga	Intermediate form	15°56.03	16°29.94
F62	Soumbel Keur Latyr	Fatick	Intermediate form	14°50.18	16°14.47
F64	Mouré	Fatick	Intermediate form	14°50.20	16°14.49
CRZ1	Kolda	Kolda	Landrace	12°86.563	14°94.706
CRZ3	Kolda	Kolda	Landrace	12°86.563	14°94.706
CRZ4	Kolda	Kolda	Landrace	12°86.563	14°94.706
NC2	Kolda	Kolda	Landrace	NA	NA
NC5	Kolda	Kolda	Landrace	NA	NA
5	Keur Niokho Fall	Thiès	Landrace	14°84.751	16°62.996
6	Keur Niokho Fall	Thiès	Landrace	14°84.751	16°62.996
14	Keur Niokho Fall	Thiès	Landrace	14°84.219	16°63.662
17	Keur Niokho Fall	Thiès	Landrace	14°84.408	16°62.350
20	Keur Niokho Fall	Thiès	Landrace	14°84.655	16°62.479
21	Keur Niokho Fall	Thiès	Landrace	14°85.152	16°61.464
28	Diamatil	Thiès	Landrace	15°11.987	16°46.168
30	Diamatil	Thiès	Landrace	15°12.072	16°46.769
36	Diamatil	Thiès	Landrace	15°12.494	16°45.734
78	Ngeth 2	Thiès	Landrace	14°51.519	16°68.901
82	Ngeth 2	Thiès	Landrace	14°52.899	16°70.209
93	Keur Mbalo Ndiaye	Louga	Landrace	15°52.536	16°28.451
105	Keur Mbalo Ndiaye	Louga	Landrace	15°52.616	16°29.597
111	Keur Mbalo Ndiaye	Louga	Landrace	15°52.744	16°28.736
115	Keur Mbalo Ndiaye	Louga	Landrace	15°53.704	16°28.808
124	Darou Ndiaye	Louga	Landrace	15°40.986	16°54.798

166	Sine Wade	Louga	Landrace	15°69.632	16°31.550
173	Sine Wade	Louga	Landrace	15°71.974	16°31.397
191	Sine Wade	Louga	Landrace	15°71.013	16°31.542
207	Patoudé	Louga	Landrace	15°30.320	15°67.777
216	Patoudé	Louga	Landrace	15°30.178	15°67.849
241	Thioéne	Louga	Landrace	15°19.494	15°51.978
255	Talakh	Diourbel	Landrace	14°89.507	16°16.949
257	Talakh	Diourbel	Landrace	14°89.495	16°17.823
285	Taiba Thiaréne	Diourbel	Landrace	14°71.901	15°98.332
318	Bob Kandji	Diourbel	Landrace	14°73	15°8
365	Ngue Gueye Faye	Diourbel	Landrace	14°77.461	16°51.530
377	Tiakh Niang	Diourbel	Landrace	14°82.120	16°12.630
396	Tiakh Niang	Diourbel	Landrace	14°82.298	16°12.835
405	Mbamane Diaraff	Fatick	Landrace	14°40.058	16°32.079
412	Mbamane Diaraff	Fatick	Landrace	14°40.154	16°32.103
419	Dosse Diaraff	Fatick	Landrace	14°46.499	16°36.003
421	Dosse Diaraff	Fatick	Landrace	14°46.377	16°36.005
422	Dosse Diaraff	Fatick	Landrace	14°46.550	16°36.025
424	Dosse Diaraff	Fatick	Landrace	14°46.474	16°36.045
439	Boly Keur Mandaw	Fatick	Landrace	14°07.302	16°30.602
461	Tewrou	Fatick	Landrace	14°52.763	16°01.157
548	Kindakane	Sédhiou	Landrace	12°61.469	15°68.687
552	Kindakane	Sédhiou	Landrace	12°61.410	15°68.752
555	Kindakane	Sédhiou	Landrace	12°61.311	15°68.991
556	Kindakane	Sédhiou	Landrace	12°61.488	15°68.706
558	Mangakounda	Sédhiou	Landrace	12°58.953	15°94.872
559	Mangakounda	Sédhiou	Landrace	12°59.049	15°95.081
571	Kondokhou	Kédougou	Landrace	12°91.977	11°72.533
583	Missirah Sirimana	Kédougou	Landrace	13°08.762	11°69.763
598	Banfarato	Kédougou	Landrace	12°69.394	12°83.450
601	Banfarato	Kédougou	Landrace	12°69.598	12°83.691
622	Touba Guéne	Saint Louis	Landrace	15°85.967	16°39.207
628	Touba Guéne	Saint Louis	Landrace	15°86.326	16°39.181
657	Pénéne 1	Saint Louis	Landrace	16°12.167	15°97.139
670	Pénéne 2	Saint Louis	Landrace	16°12.311	15°97.067
675	Pénéne 3	Saint Louis	Landrace	16°12.241	15°97.121
678	Dara Salam	Saint Louis	Landrace	16°58.477	15°16.149
685	Dara Salam	Saint Louis	Landrace	16°58.416	15°16.998
693	Kodite	Saint Louis	Landrace	16°59.137	14°94.857
702	Kodite	Saint Louis	Landrace	16°59.699	14°94.435
709	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°33.105	15°40.580
710	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°33.105	15°40.580
717	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°33.084	15°40.697
719	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°34.940	15°41.390
721	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°32.503	15°39.924
725	Keur Mody Ibra Ndiaye	Saint Louis	Landrace	16°32.503	15°39.924

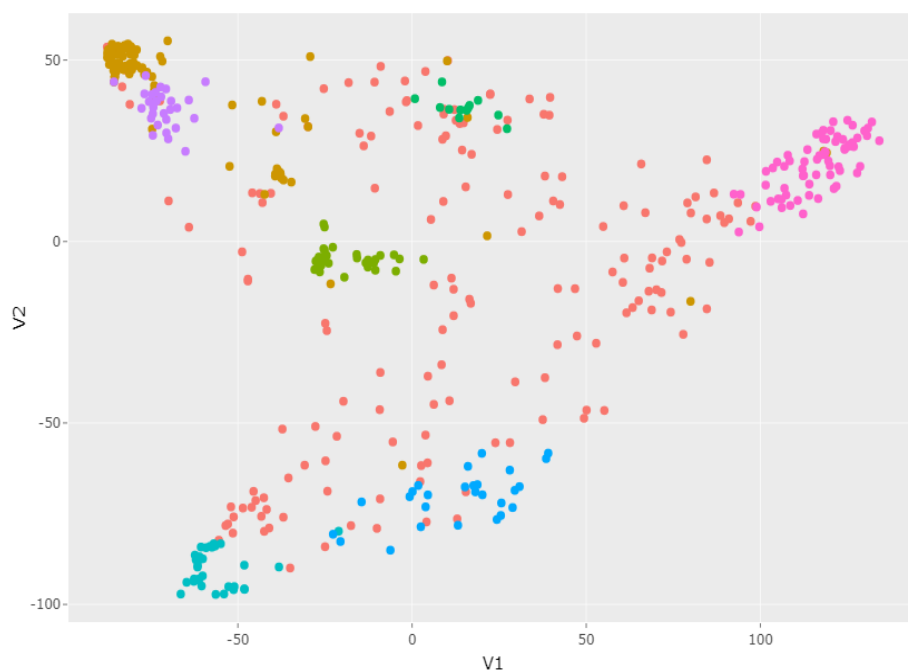


Figure S1 : Principal Component Analysis of 459 accessions from minicore and Senegalese collection (with admixed) based on SNP markers

Legend

- Admixed
- Senegal
- Subpopulation 1
- Subpopulation 2
- Subpopulation 3
- Subpopulation 4
- Subpopulation 5
- Subpopulation 6

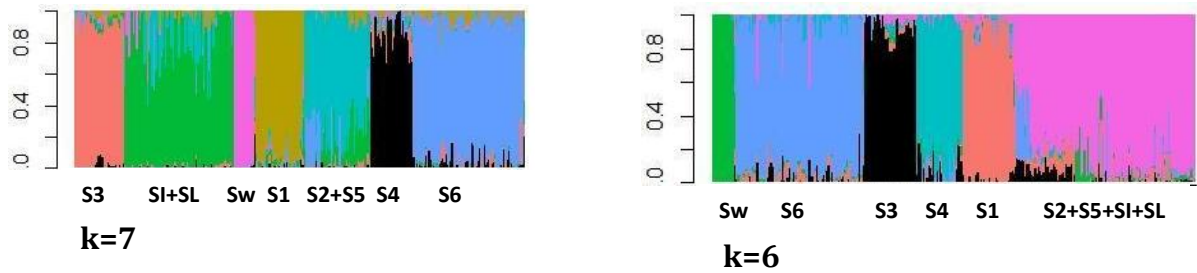


Figure S2: Admixture ancestry cluster of 294 accessions from the minicore and Senegalese collection ($k=7$ and $k=6$)

Legend

- SL:** Senegalese landrace
- SI:** Senegalese intermediate
- Sw:** Senegalese wild
- S1:** subpopulation 1
- S2:** subpopulation
- S3:** subpopulation
- S4:** subpopulation
- S5:** subpopulation
- S6:** subpopulation

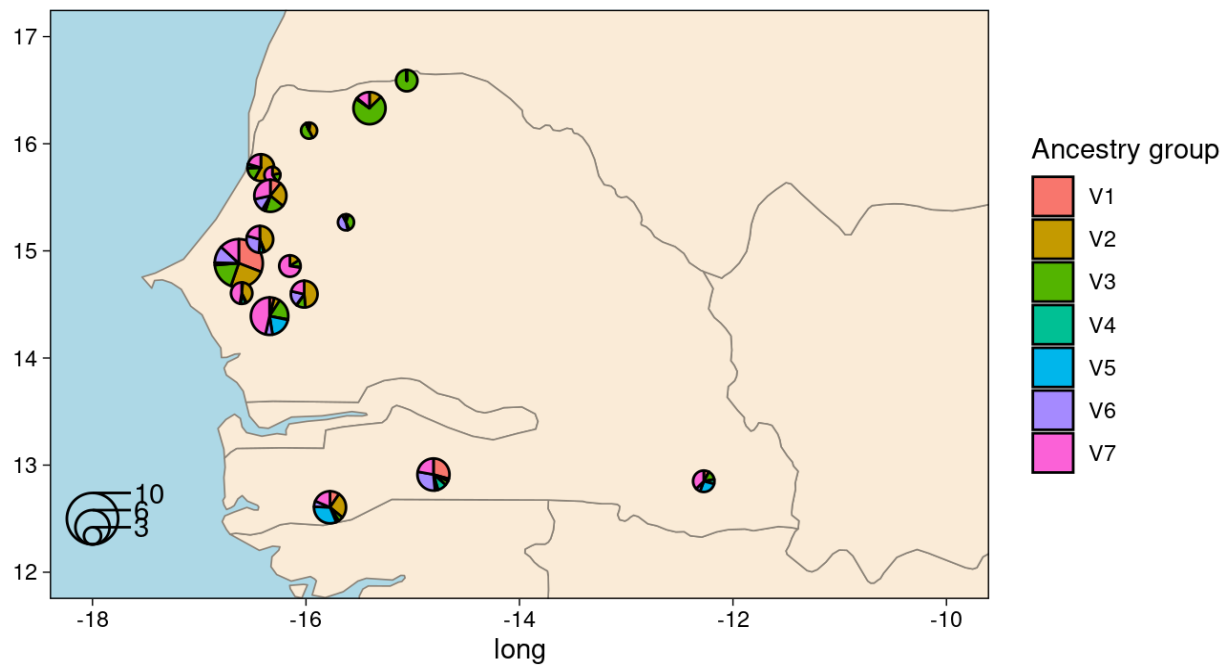


Figure S3: Geographical distribution of genetic groups ($k=6$). The pie charts represent the average proportions from each genetic group for samples in each region. Pie chart sizes are proportional to the number of samples