

Supplementary Materials

Supplementary Table S1. Model assessment based on minimum prediction error (LMSE) or the highest mean success (HMS).

Sample, %	N. Breed	N. IDs	N. PCs (HMS)	N. PCs (LMSE)	Var. PCs (HMS)	Var. PCs (LMSE)	Assign. Success (HMS)	Assign. Success (LMSE)
30	24	356	50	100	0.491	0.631	0.9775	0.9803
40	24	474	100	200	0.592	0.761	0.9852	0.9873
50	24	593	150	150	0.642	0.642	0.9882	0.9882
60	24	712	100	100	0.545	0.545	0.9831	0.9831
70	24	830	100	100	0.532	0.532	0.9855	0.9855
80	24	949	150	150	0.591	0.591	0.9884	0.9884
90	24	1067	100	200	0.518	0.634	0.9888	0.9897
100	24	1186	100	150	0.513	0.575	0.9890	0.9890
Average	/	/	/	/	/	/	0.9857	0.9865

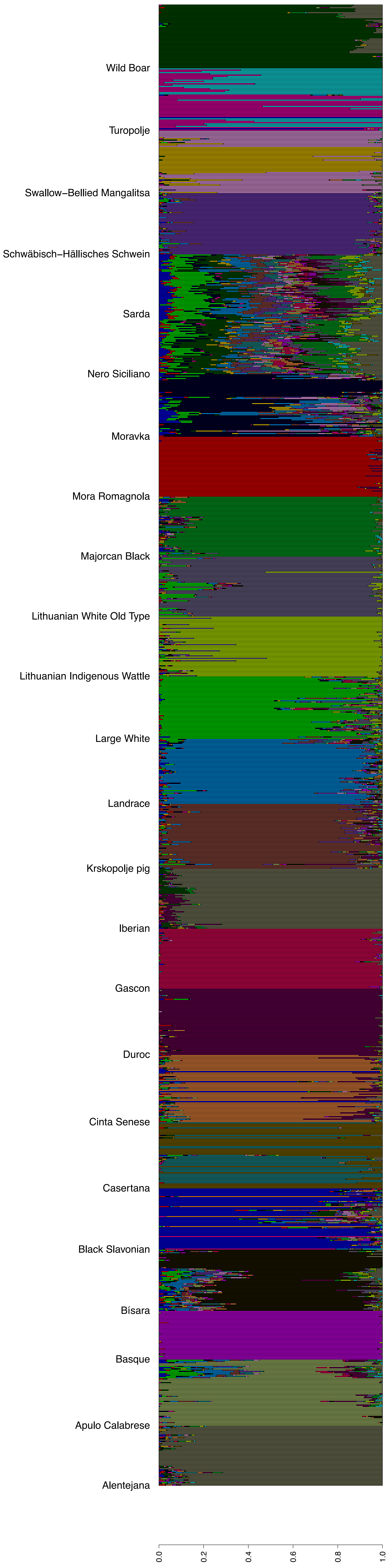
Sample = percentage of data sampled at random; N. Breed = number of breeds analyzed in each sample; N. IDs = number of pigs analyzed in each sample; N. PCs = number of principal components (PCs) selected; Var. PCs = variance explained of the selected PCs; Assign. Success = overall model assignment success.

Supplementary Table S2 Averaged admixture ancestries per breed at K=24.

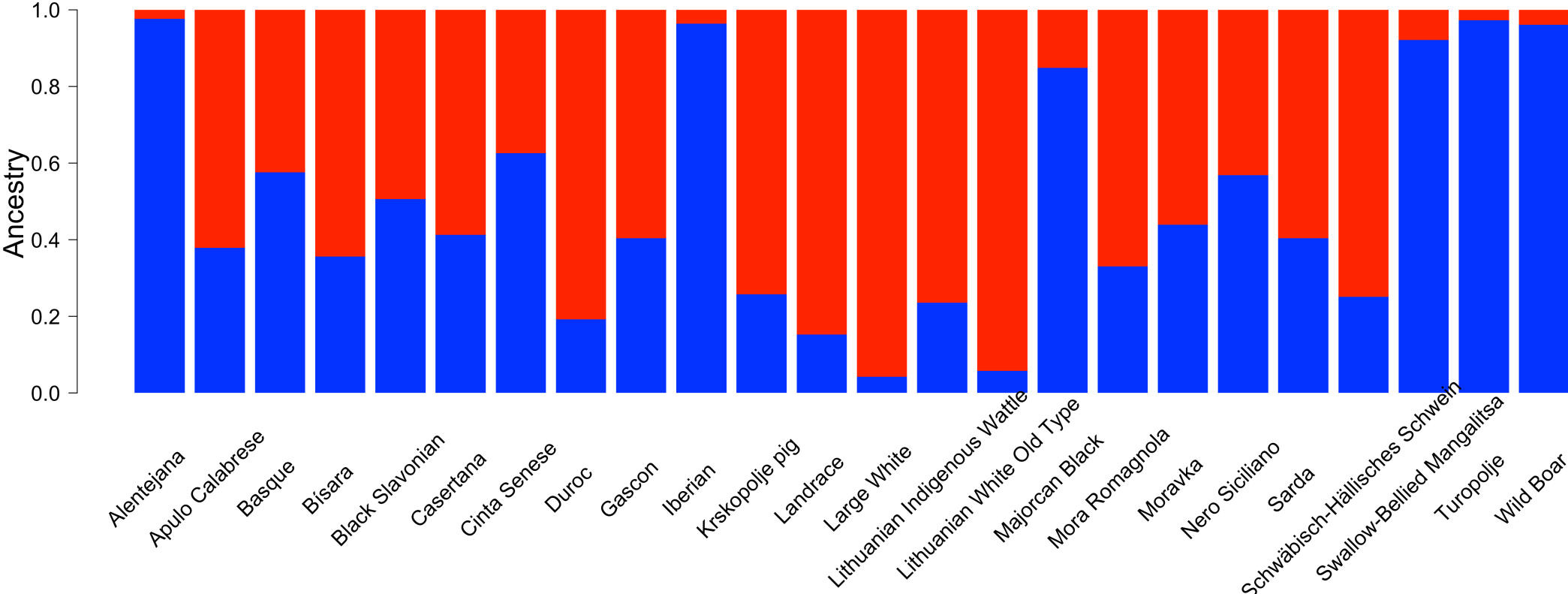
Breed	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	V15	V16	V17	V18	V19	V20	V21	V22	V23	V24
Alentejana Apulo Calabrese	0.31	0.38	0.09	0.28	0.22	0.75	0.21	0.37	0.14	0.07	0.45	0.09	0.15	0.26	0.32	0.16	0.11	0.18	0.14	0.45	0.17	0.29	0.11	94.31
Basque	0.01	0.00	0.05	0.01	0.01	0.00	0.00	0.00	0.05	0.00	0.02	0.00	0.02	0.22	0.03	99.39	0.00	0.06	0.00	0.00	0.04	0.00	0.00	0.10
Bisara Black Slavonian	1.47	0.78	2.15	0.80	0.25	0.59	0.41	3.03	1.21	1.57	1.61	0.93	1.55	0.84	1.10	0.64	73.77	1.19	1.84	0.75	0.98	0.65	0.29	1.61
Casertana	71.57	0.56	0.77	0.98	3.86	1.65	0.40	0.99	1.09	1.14	0.81	0.93	0.96	0.61	7.68	0.57	0.48	1.39	0.83	0.46	0.43	0.30	0.59	0.94
CintaSenese	0.07	0.13	0.15	0.20	0.09	0.25	0.11	0.05	0.06	0.05	44.64	0.09	0.07	0.04	0.12	0.01	0.01	0.17	0.06	0.13	0.06	53.11	0.01	0.35
Duroc	6.40	0.65	0.82	0.39	0.09	0.52	0.15	0.52	0.33	0.33	0.58	0.12	0.59	0.07	80.07	0.16	0.10	5.65	0.83	0.12	0.35	0.17	0.17	0.84
Gascon	0.06	0.40	0.14	0.20	0.05	0.02	0.10	0.02	0.05	0.05	0.04	0.06	0.17	0.02	0.14	0.03	0.05	97.70	0.02	0.09	0.04	0.22	0.05	0.30
Iberian	0.08	0.05	0.04	0.05	0.04	0.03	0.02	0.02	0.00	0.09	0.09	0.04	0.02	97.78	0.10	0.57	0.02	0.05	0.12	0.11	0.02	0.03	0.02	0.60
Krskopolje	0.13	0.20	0.02	0.12	0.32	2.98	0.15	0.01	0.14	0.10	0.07	0.11	0.13	0.03	0.28	0.06	0.08	3.73	0.02	0.79	0.03	0.01	0.06	90.43
Landrace	0.40	0.53	0.58	0.56	0.14	0.16	0.39	1.35	84.67	2.55	0.32	0.31	0.76	0.19	0.88	0.34	0.87	2.99	0.42	0.27	0.32	0.36	0.35	0.32
LargeWhite Lithuanian Indigenous Wattle Lithuanian White Old Type	0.88	0.53	1.21	0.70	0.36	0.06	0.17	85.33	0.96	1.61	0.71	0.33	0.53	0.52	0.58	0.77	1.35	0.11	1.20	0.43	0.37	0.57	0.27	0.47
MajorcanBlack	0.27	0.30	83.03	0.53	0.15	0.08	0.38	1.86	0.55	0.94	0.56	0.11	0.68	1.19	0.60	0.33	0.74	0.38	4.47	0.11	1.79	0.52	0.22	0.25
MoraRomagnola	0.13	0.18	0.52	0.47	0.13	0.09	0.18	0.07	0.06	0.04	0.07	0.12	0.16	0.27	0.10	0.07	0.13	0.08	4.94	0.17	91.63	0.08	0.03	0.29
Moravca	0.12	0.28	5.71	0.07	0.07	0.00	0.09	0.32	0.26	0.19	0.21	0.07	0.16	0.17	0.42	0.12	0.40	0.13	88.49	0.10	1.94	0.24	0.06	0.39
NeroSiciliano	0.77	0.13	0.13	0.35	0.23	0.62	0.37	0.52	0.11	0.26	0.26	0.14	0.37	0.28	0.77	0.19	0.13	0.97	0.41	91.13	0.25	0.22	0.34	1.07
Sarda Schwabisch-Hallisches Schwein Swallow-Bellied Mangalitsa	0.02	98.14	0.01	0.00	0.04	0.00	0.06	0.13	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.00	0.02	1.34	0.00	0.01	0.02	0.02	0.00	0.14
Turopolje	2.87	0.43	2.70	61.22	0.38	0.40	1.72	7.74	2.13	2.80	1.79	4.80	1.17	0.95	0.56	0.70	1.05	1.32	2.28	0.64	0.79	0.61	0.34	0.62
WildBoar	1.79	1.74	7.80	4.06	0.46	15.00	2.23	4.57	4.93	3.38	7.06	1.38	1.92	3.01	2.63	1.54	3.37	0.93	4.12	11.97	2.36	0.93	1.54	11.30
	4.40	1.23	13.18	3.32	0.41	8.63	0.72	7.18	7.05	3.58	4.82	2.07	2.25	2.74	2.44	1.41	3.57	7.04	6.16	6.99	3.46	1.22	1.39	4.75
	0.25	0.26	0.65	0.27	0.15	0.06	0.18	1.05	1.21	92.35	0.38	0.13	0.24	0.33	0.37	0.36	0.29	0.03	0.30	0.23	0.22	0.26	0.10	0.36
	0.06	0.02	0.07	0.10	0.18	0.65	43.31	0.04	0.02	0.13	0.09	53.58	0.13	0.07	0.19	0.01	0.03	0.09	0.00	0.21	0.02	0.00	0.13	0.88
	3.88	0.00	0.00	0.04	47.77	0.02	0.00	0.13	0.01	0.00	0.01	0.03	0.00	0.00	0.08	0.04	0.02	0.00	0.03	0.01	0.00	0.03	47.86	0.03
	0.05	0.07	0.13	0.05	0.04	91.75	0.15	0.01	0.16	0.05	0.00	0.05	0.05	0.02	0.03	0.10	0.01	0.12	0.02	0.31	0.03	0.00	0.02	6.79

In bold values greater than 3%. Rows represent breed and columns the 24 group ancestries.

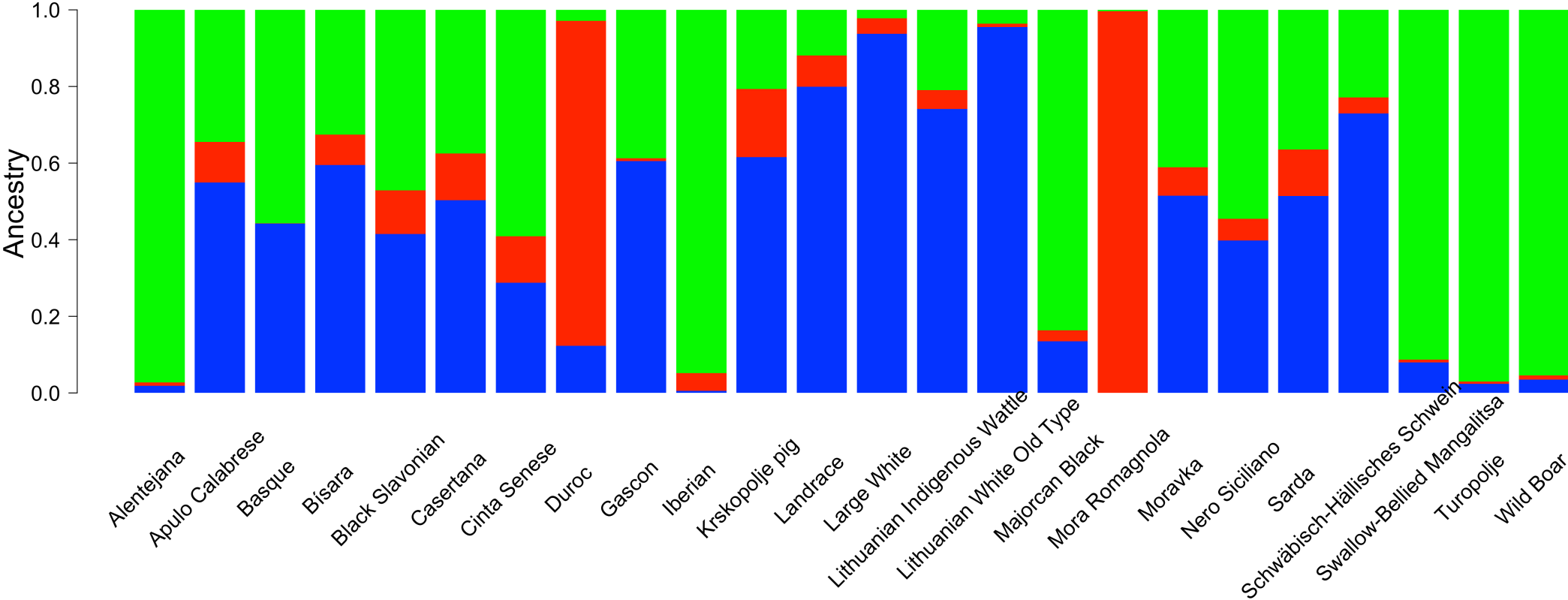
Supplementary Fig. S1. Individual pig ancestries at K=24.



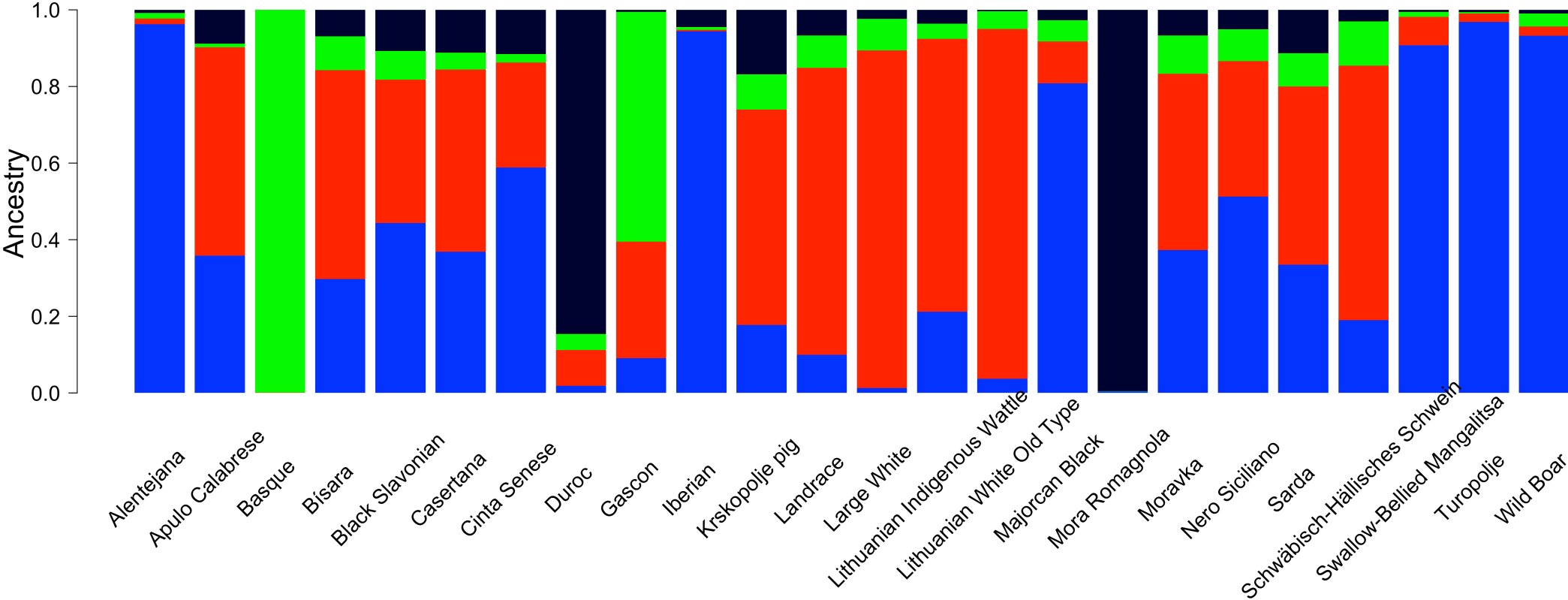
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=2 to 24.



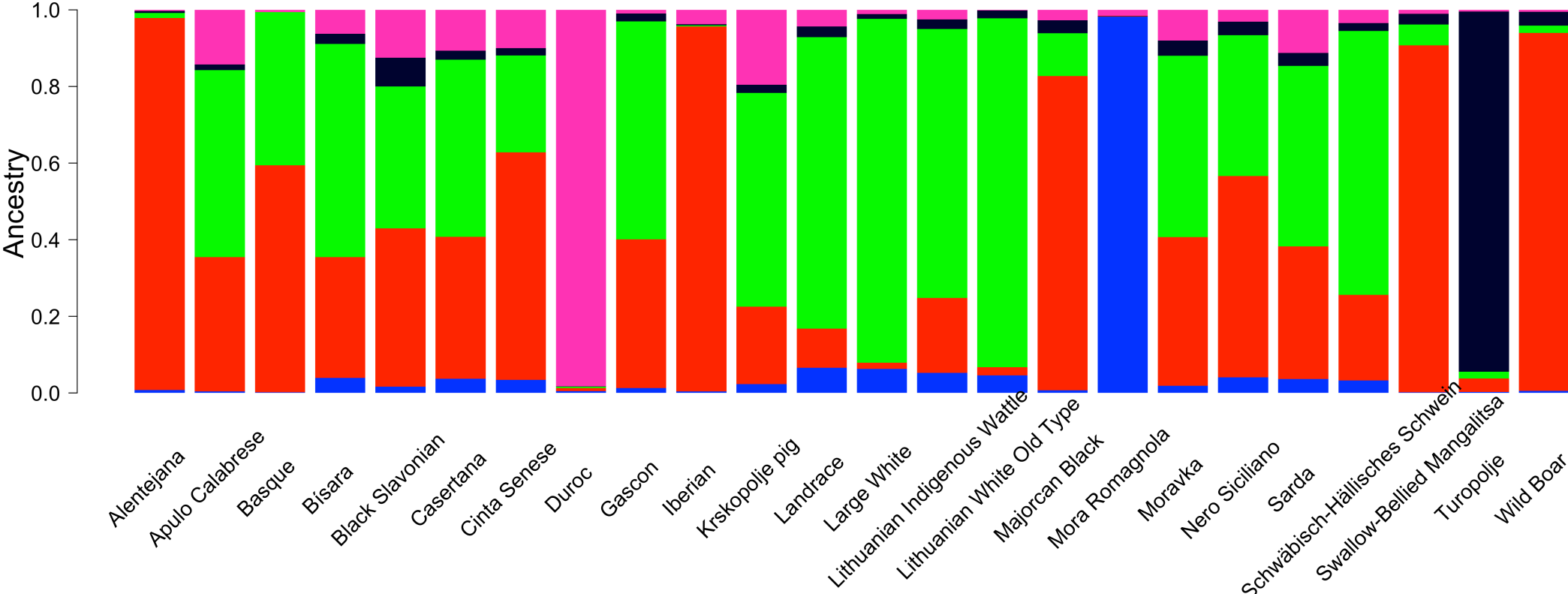
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=3 to 24.



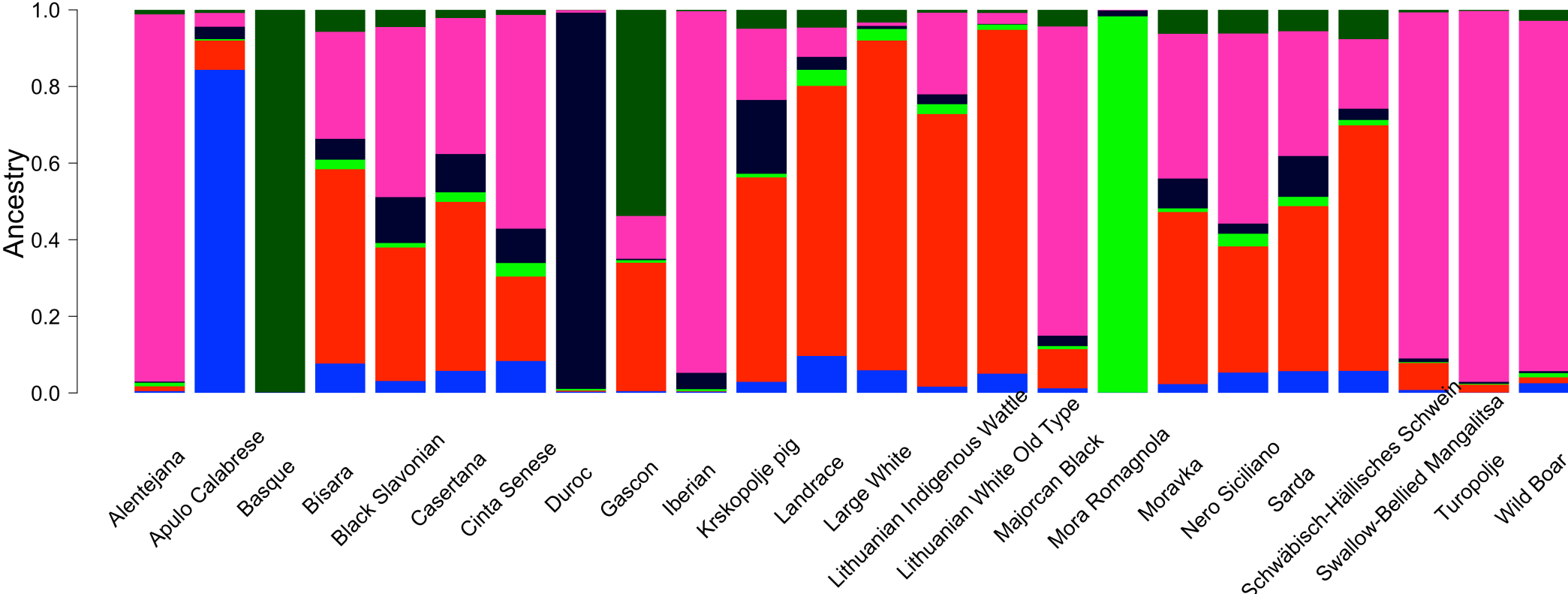
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=4 to 24.



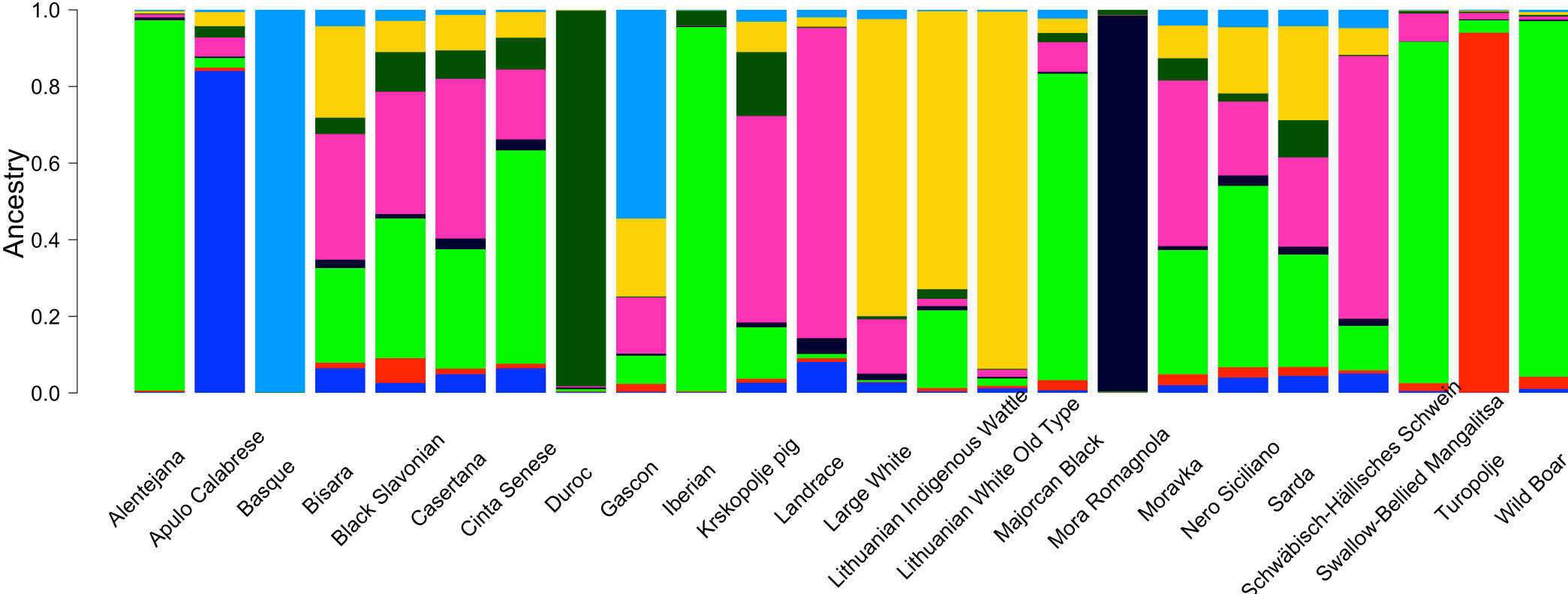
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=5 to 24.



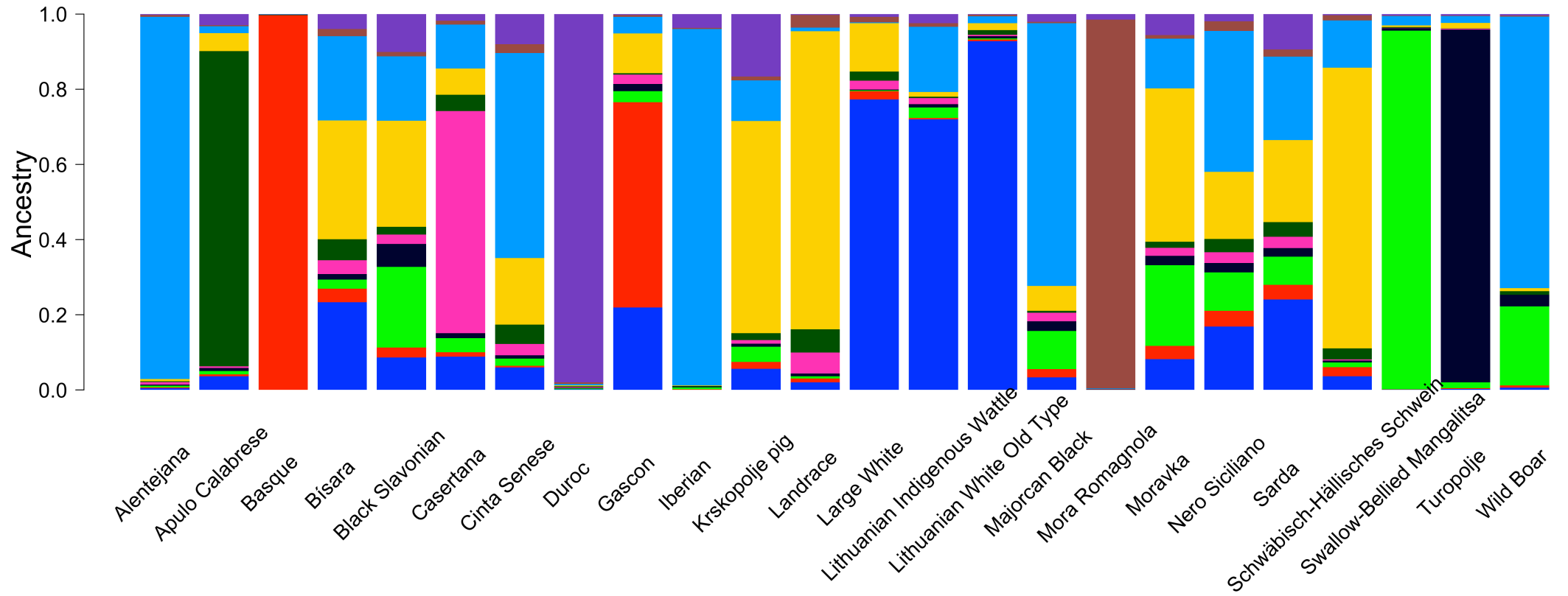
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=6 to 24.



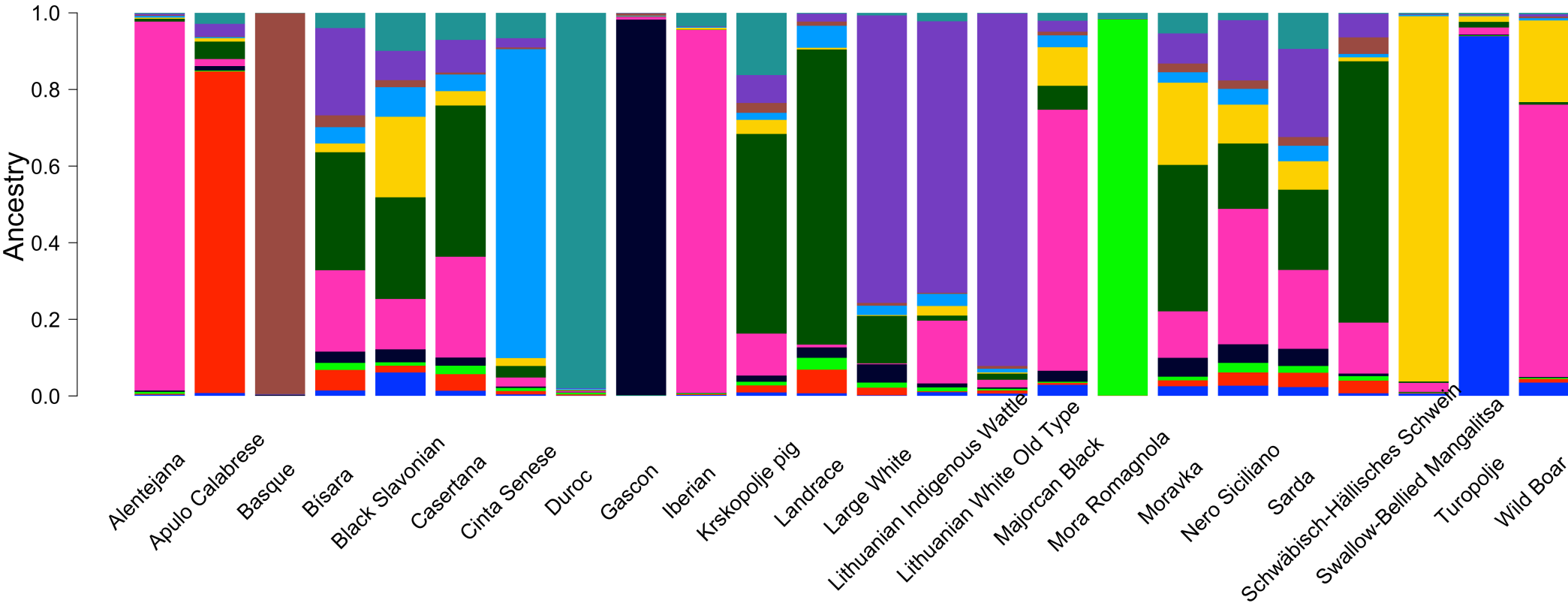
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=8 to 24.



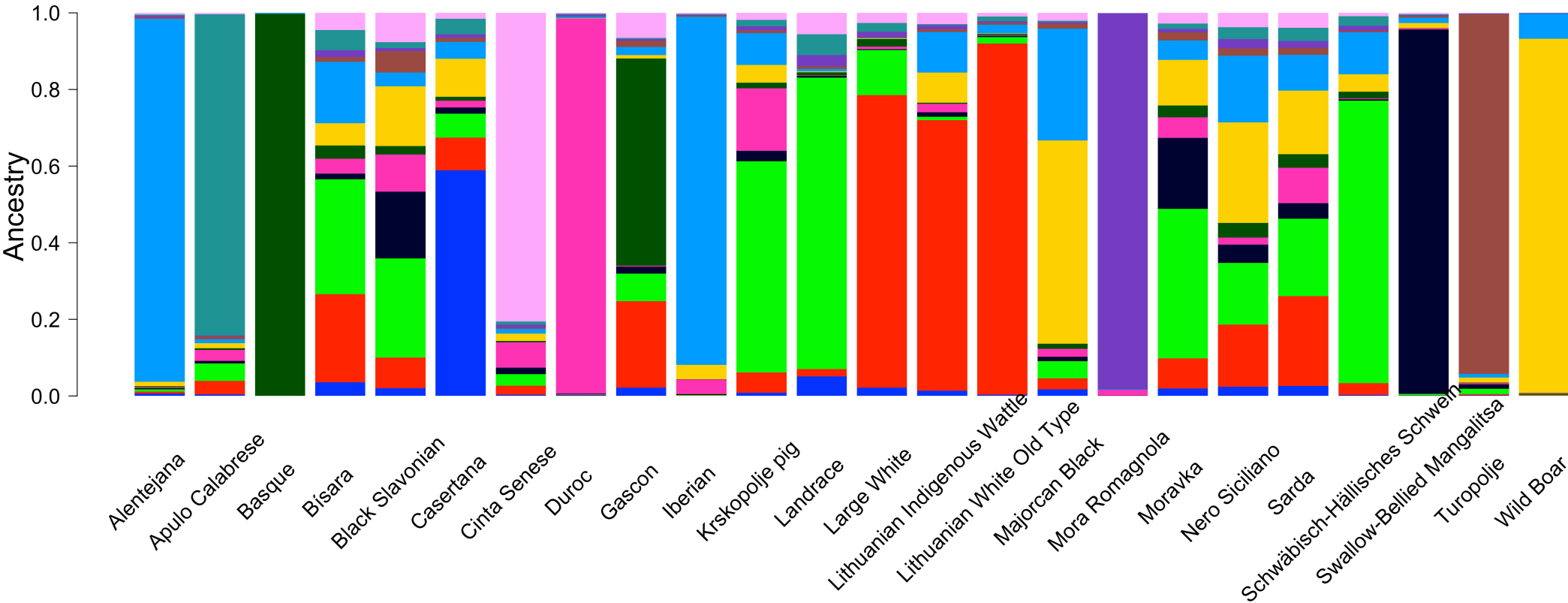
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=10 to 24.



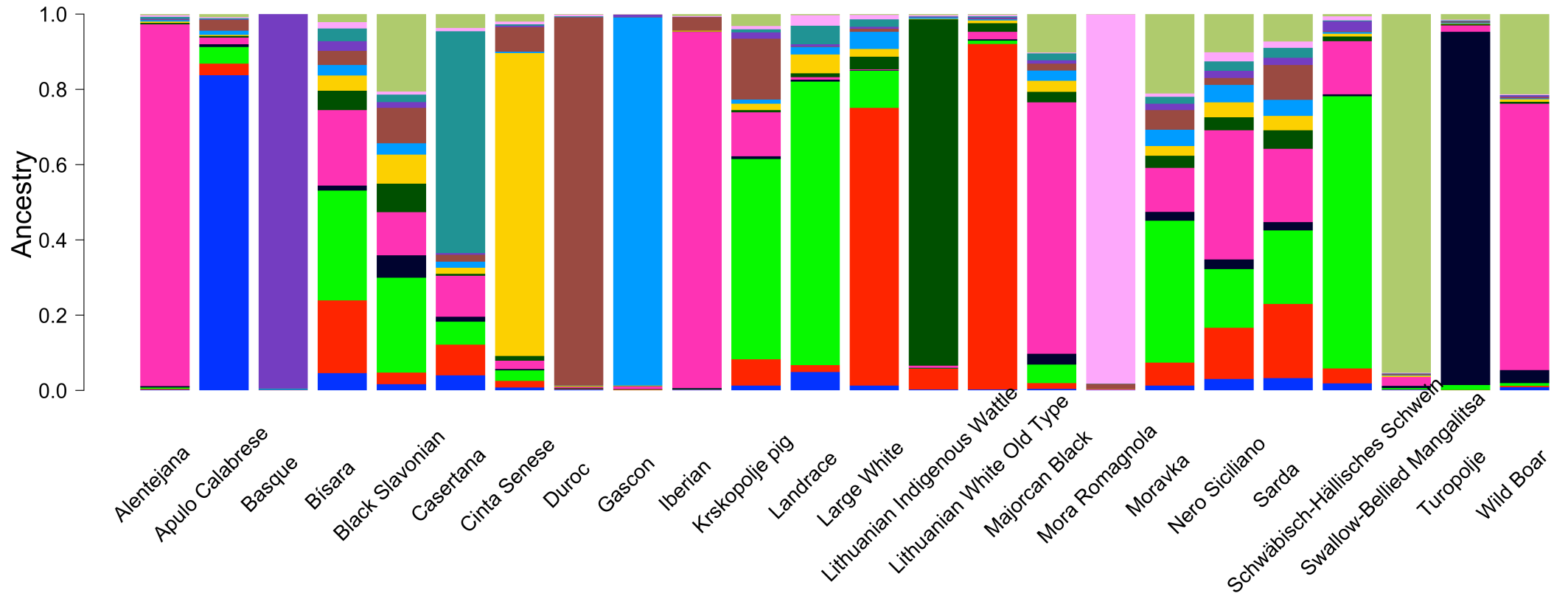
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=11 to 24.



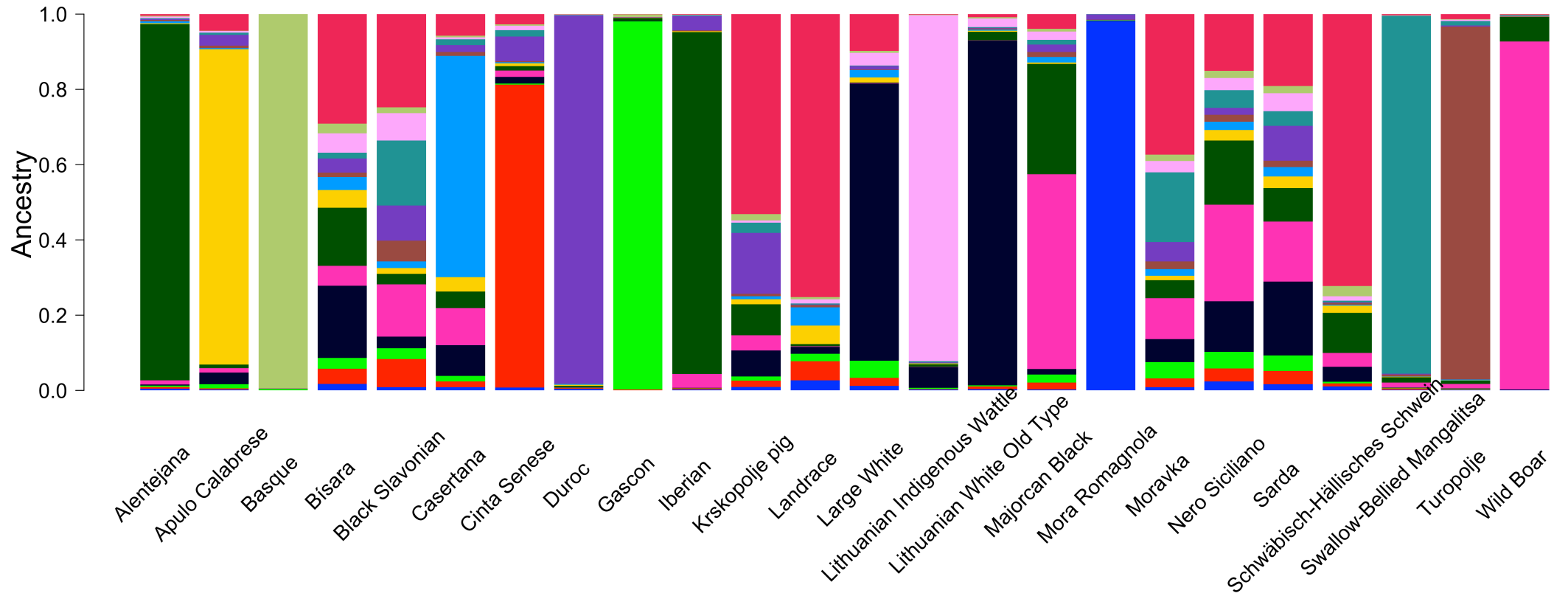
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=12 to 24.



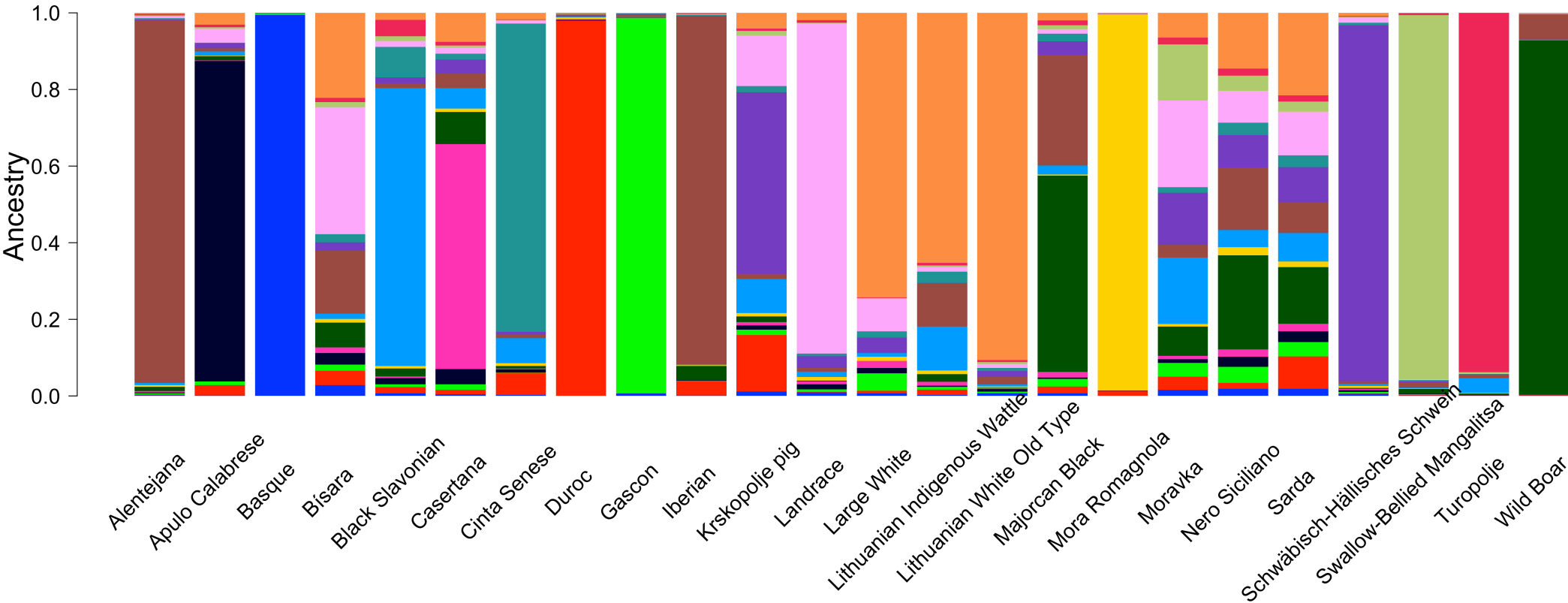
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=13 to 24.



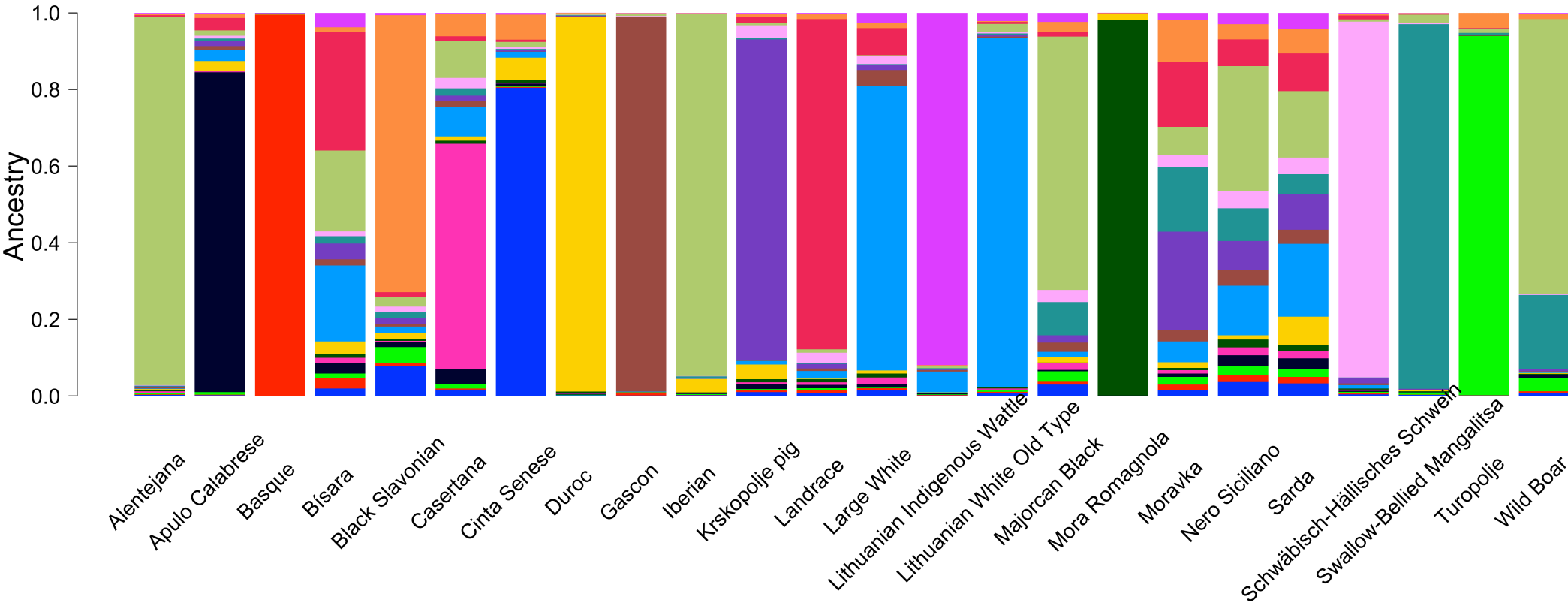
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=14 to 24.



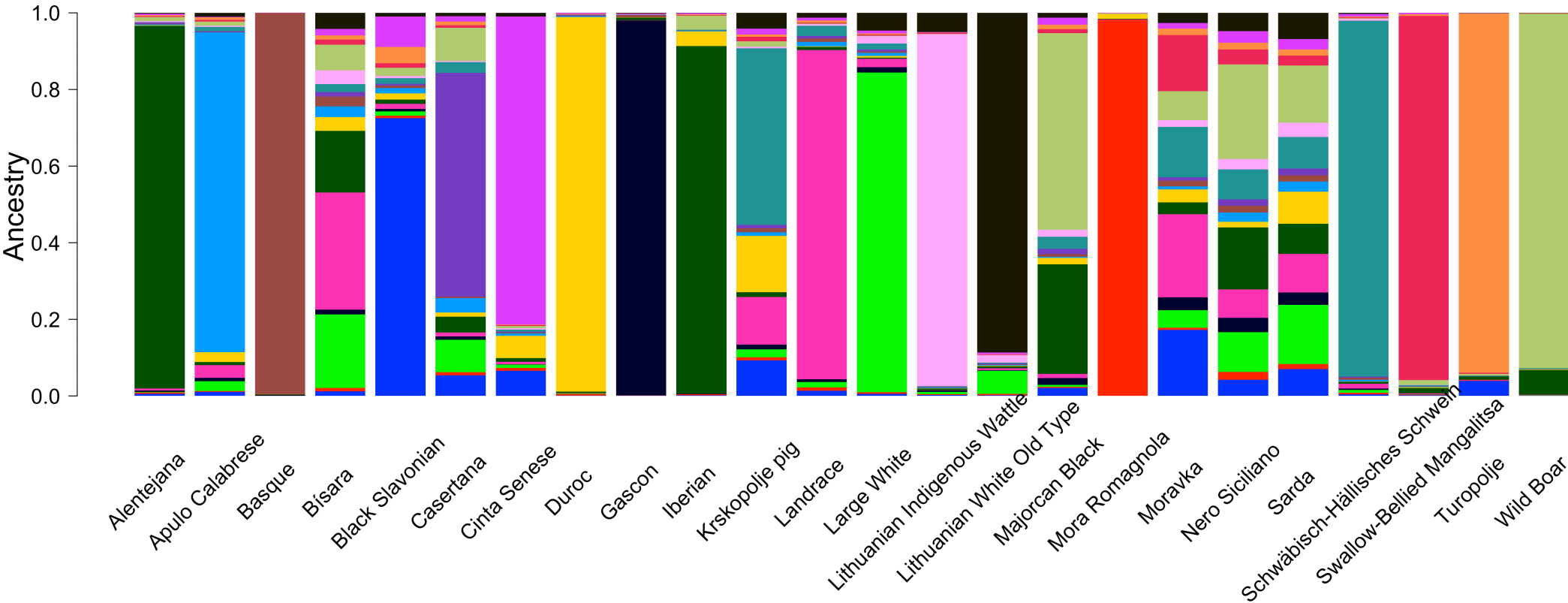
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=15 to 24.



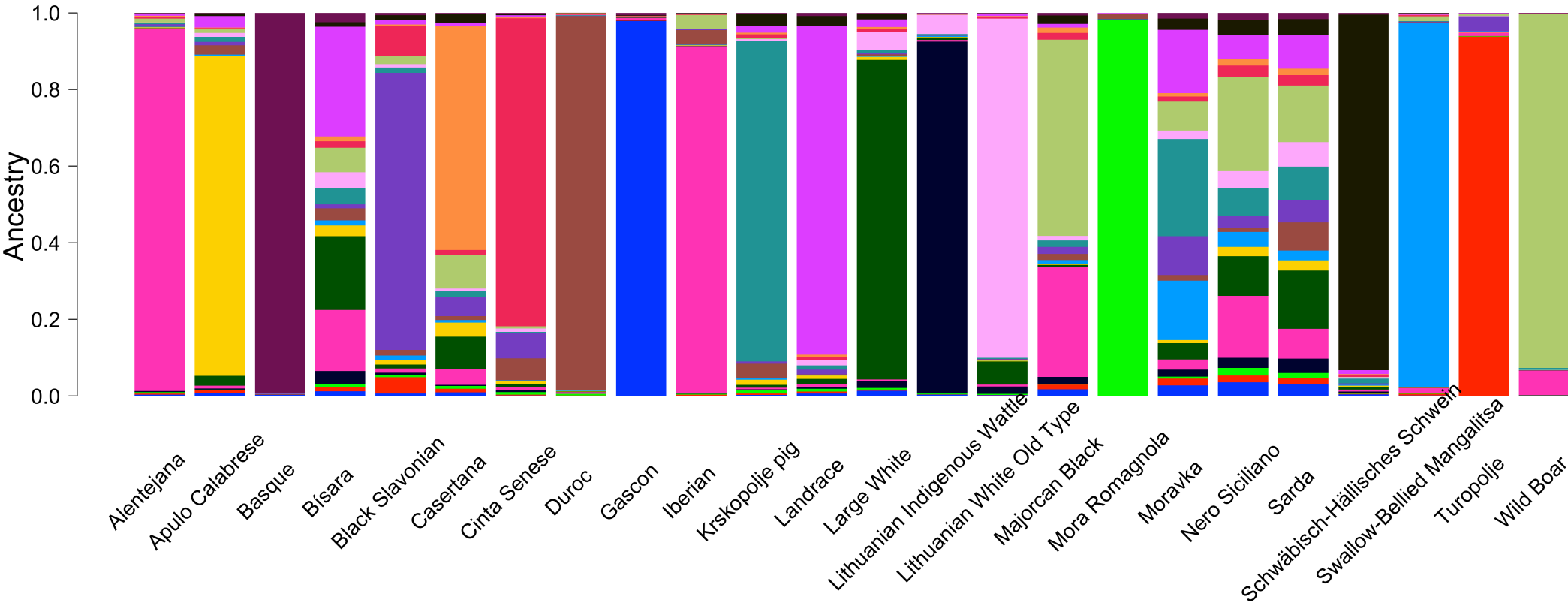
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=16 to 24.



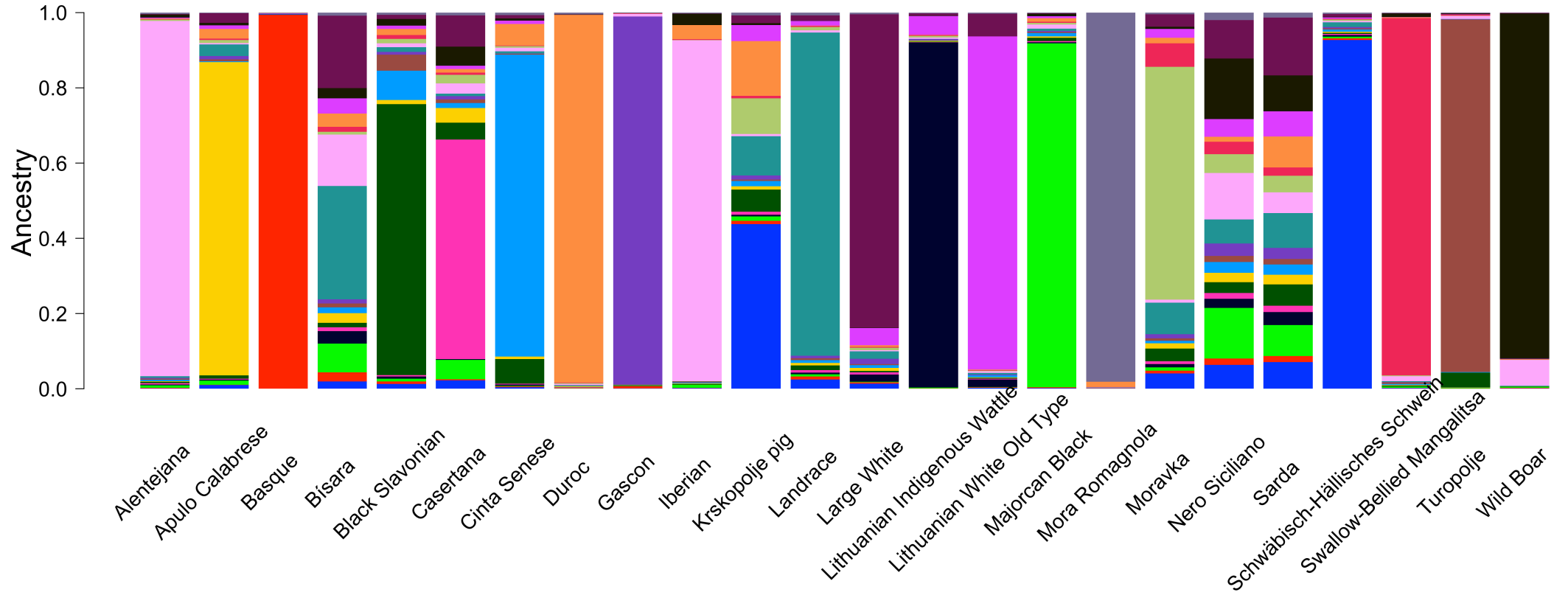
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=17 to 24.



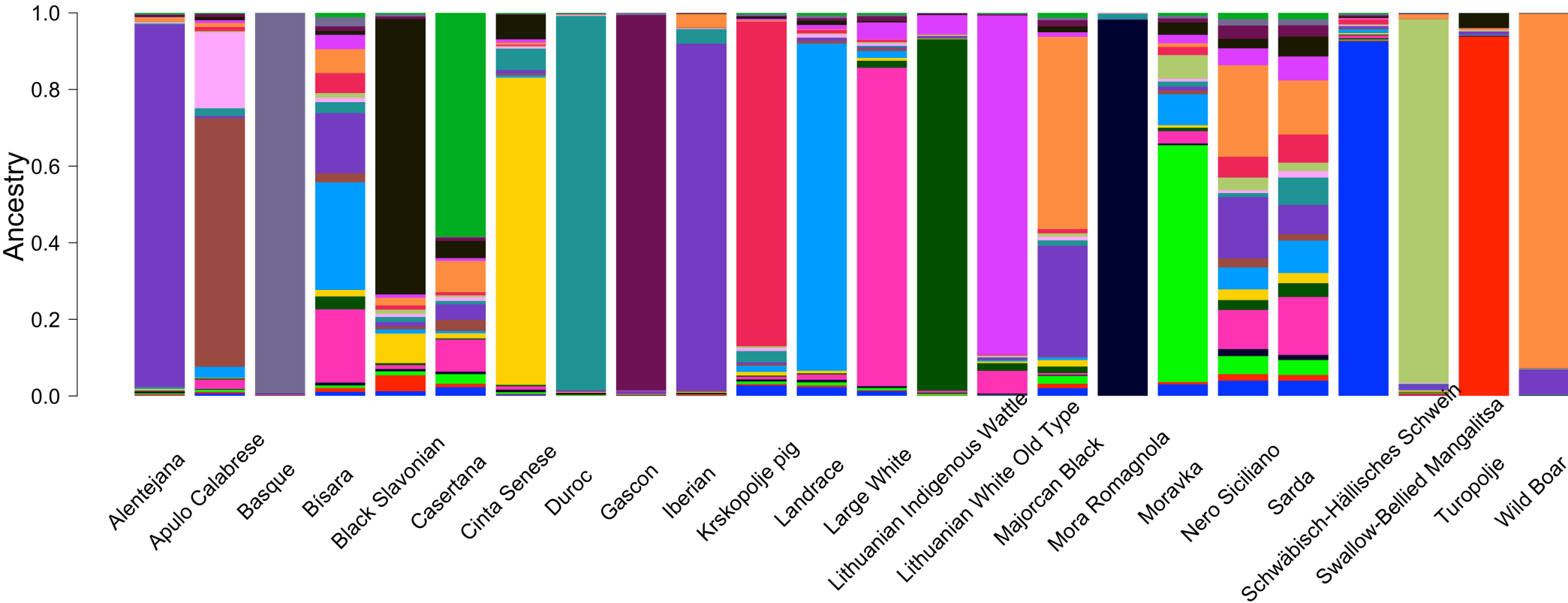
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=18 to 24.



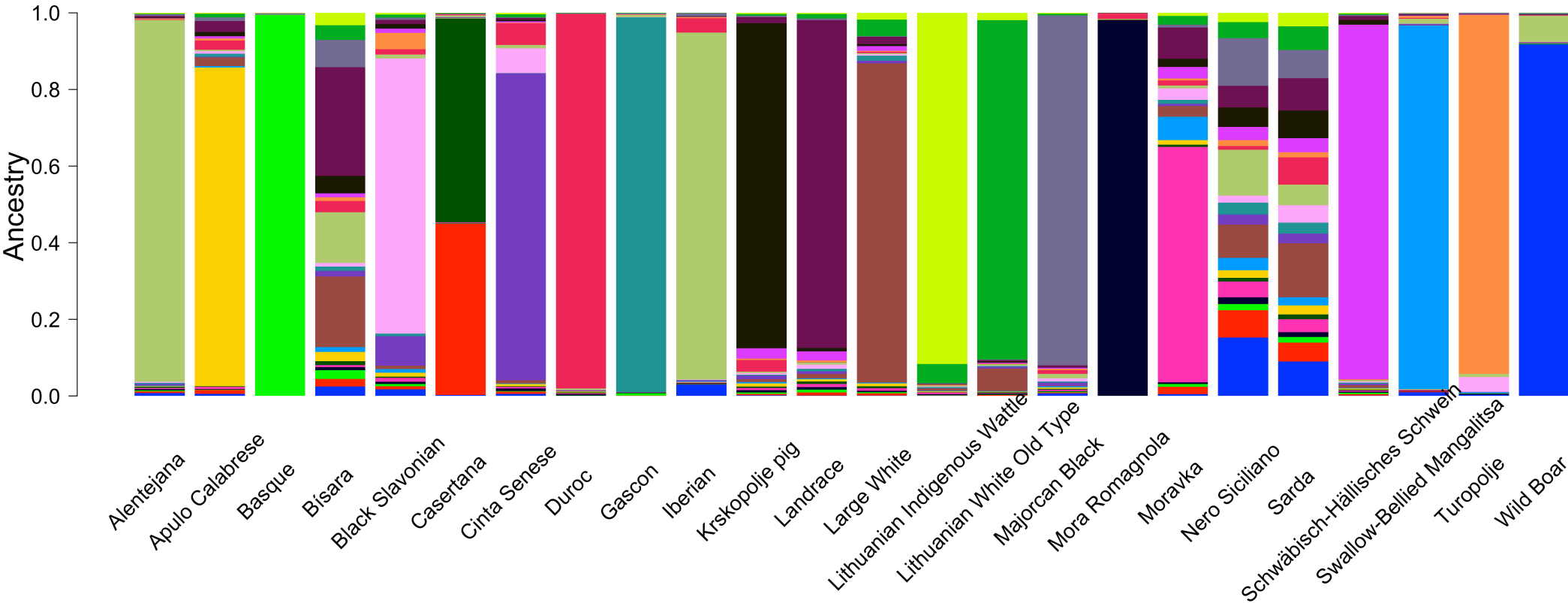
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=19 to 24.



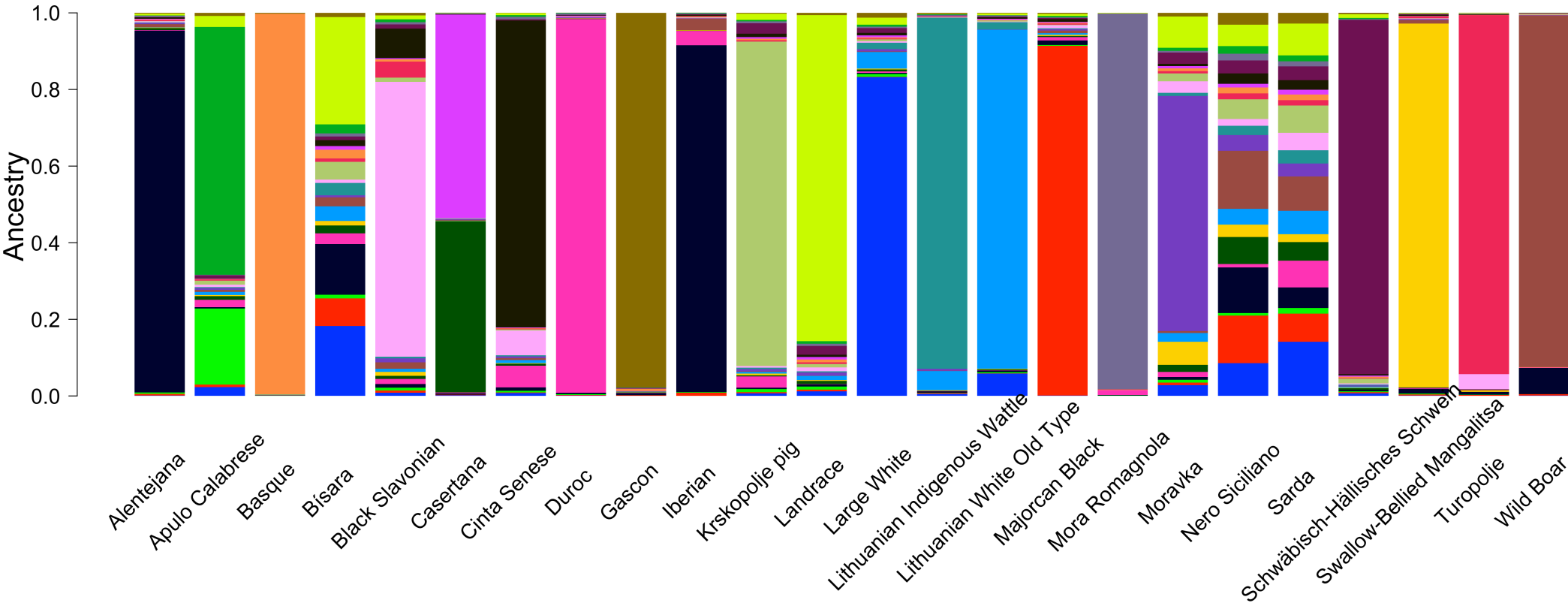
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=20 to 24.



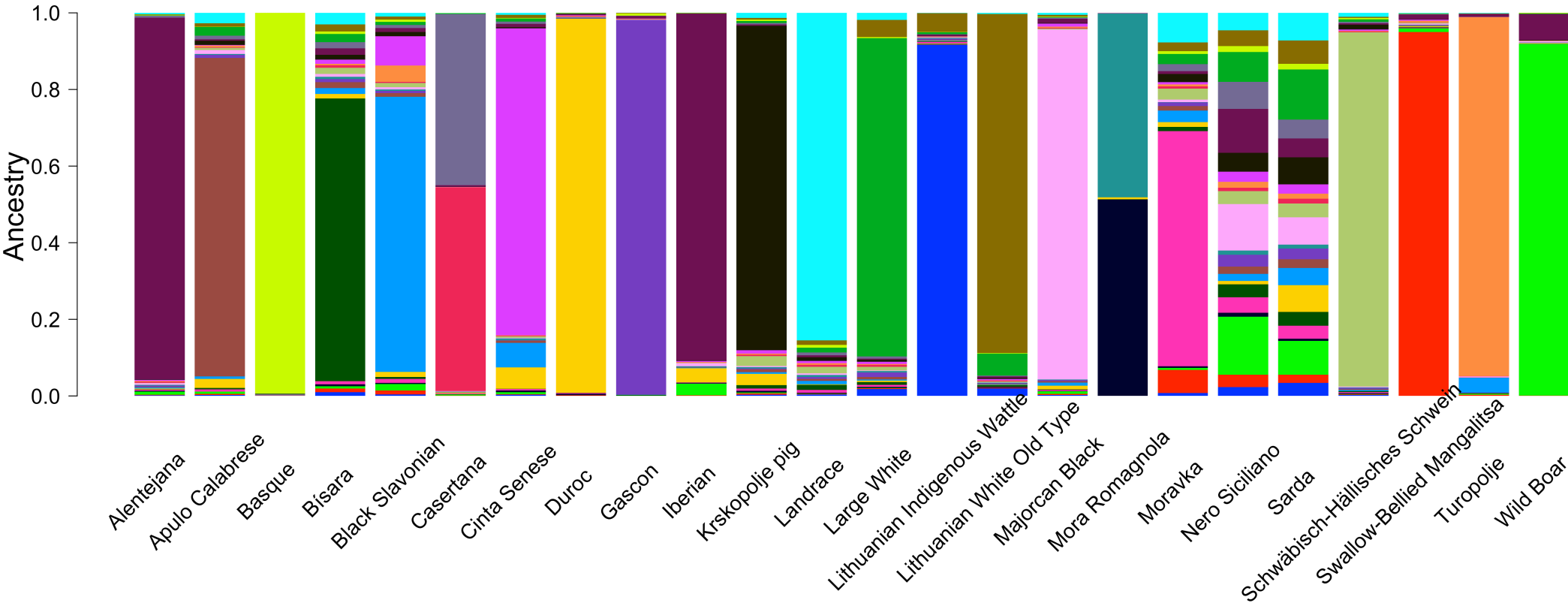
Supplementary Fig. S2. Change of average admixture ancestries per breed from K=21 to 24.



Supplementary Fig. S2. Change of average admixture ancestries per breed from K=22 to 24.



Supplementary Fig. S2. Change of average admixture ancestries per breed from K=23 to 24.



Supplementary Fig. S2. Change of average admixture ancestries per breed from K=24 to 24.

