

### **S1 Appendix: Sampling sites and genotypes analysed**

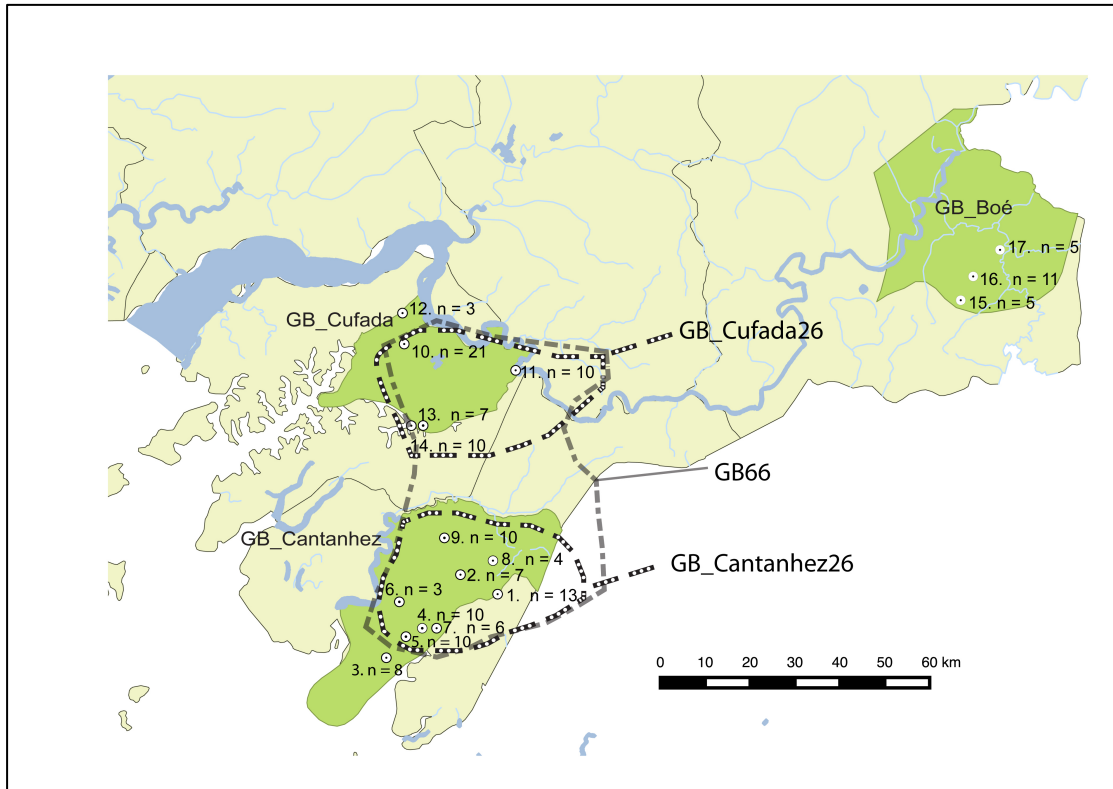
Sampling in Guinea-Bissau was carried out at: i) nine sites in GB\_Cantanhez (N = 71 genotypes, average number of genotypes per sampling site = 7.89, varying between 3 and 13, average distance between sampling sites = 15.9 km, varying between 3.2 and 32.3 km), ii) five sites at GB\_Cufada (N = 51 genotypes, average number of genotypes per sampling site = 10.2, varying between 3 and 21, average distance between sampling sites = 19.9 km, varying between 2.3 and 27.8 km), and iii) three sites at GB\_Boé (N = 21 genotypes, average number of genotypes per sampling site = 7, varying between 5 and 11, average distance between sampling sites = 9.6 km, varying between 6.1 and 14.3 km).

In SEN, sampling was carried out at five sampling sites in an almost continuous design (N = 165 genotypes, average number of genotypes per sampling site = 33, varying between 108 and 11, the average distance between sampling sites = 18.1 km, varying between 4.1 and 65.0 km).

Supporting Information: Disrupted dispersal and its genetic consequences: comparing protected and threatened baboon populations (*Papio papio*) in West Africa

**S1 Table A: Name of sampling sites within each country and number of unique multi-locus genotypes.** Sampling sites in Guinea-Bissau are numbered as in Fig A

Country	Sampling Location	Name of sampling site	Number of Genotypes	
Senegal	Niokolo Koba National Park	Camp du Lion	11	
		Gue Damantan	11	
		Lingue Kountou	13	
		Niokolo	22	
		Simenti	108	
<b>Total Senegal</b>			<b>165</b>	
Guinea-Bissau	Cantanhez	1. Porto Gandamael	13	
		2. Amindara	7	
		3. Cabedu	8	
		4. Catomboi	10	
		5. Canamina	10	
		6. Caiquene	3	
		7. Cambeque	6	
		8. Quebo-Sutuba	4	
		9. Botche-Cule	10	
	<b>Total Cantanhez</b>			<b>71</b>
	Cufada		10. Bubatchingue	21
			11. Bakar Contê	10
			12. Guebombol	3
			13. Sr. Soares 1	7
			14. Sr. Soares 2	10
	<b>Total Cufada</b>			<b>51</b>
	Boé		15. Boé Beli	5
16. Boé Aicum			11	
17. Boé Aicum Montanha			5	
<b>Total Boé</b>			<b>21</b>	
<b>Total Guinea-Bissau</b>			<b>143</b>	



**S1 Figure A. Sampling locations in GB.** Sample size and grouping of samples that form subsets of samples in GB (GB66, GB\_Cantanez26 and GB\_Cufada26). The sampling sites are numbered as in Table S1A. Produced using QGIS.

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**S1 Table B: Matrix of linear distance in km between sampling sites in GB.** 1- Porto Gandamael, 2- Amindara, 3 - Cabedu, 4 Catomboi, 5 - Canamina, 6 - Caiquene, 7 - Cambeque, 8 - Quebo-Sutuba, 9 - Botche-Cule, 10 - Bubatchingue, 11- Bakar Contê, 12 - Guebambol, 13 - Sr. Soares 1, 14 - Sr. Soares 2, 15 - Boé Beli, 16 - Boé Aicum, 17 - Boé Aicum Montanha. At the top of table is indicated the name of the sub-set of samples (GB165, GB66, GB\_Cantanhez26 and GB\_Cufada26) and the dashed or broken vertical lines delimitate which sampling sites are included in the respective sub-set. The maximum linear distance between sampling sites is highlighted in bold. The underlined sampling sites are included in GB165 but not in GB66, GB\_Cantanhez26 and GB\_Cufada26.

GB165																	
GB66																	
GB_Cantanhez26									GB_Cufada26								
1	2	<u>3</u>	4	5	6	7	8	9	10	11	<u>12</u>	13	14	15	16	17	
0.0																1	
9.3	0.0															2	
28.6	25.0	0.0														<u>3</u>	
18.4	14.8	10.4	0.0													4	
22.6	18.6	6.4	4.1	0.0												5	
22.0	15.0	12.9	7.8	8.0	0.0											6	
15.6	13.3	13.0	3.2	7.1	10.2	0.0										7	
7.6	7.8	32.2	21.9	<b>25.9</b>	22.8	19.7	0.0									8	
17.3	9.0	29.9	20.9	23.8	17.6	20.4	12.0	0.0								9	
60.2	53.3	<u>70.7</u>	64.1	<b>65.9</b>	58.0	64.4	52.6	44.5	0.0							10	
50.4	47.4	<u>70.6</u>	61.4	64.5	58.0	60.5	43.0	40.7	25.1	0.0						11	
66.6	<u>60.1</u>	<u>77.5</u>	<u>70.9</u>	<u>72.7</u>	<u>64.9</u>	<u>71.2</u>	<u>59.1</u>	<u>51.3</u>	6.9	27.8	0.0					<u>12</u>	
41.4	34.5	52.9	45.6	47.7	40.1	45.8	34.1	25.7	18.8	23.6	25.6	0.0				13	
42.5	35.3	52.6	45.7	47.6	39.8	46.0	35.4	26.3	18.4	<b>25.9</b>	25.3	2.6	0.0			14	
122.4	127.1	151.0	140.6	144.8	142.1	138.0	119.4	126.6	124.0	100.5	124.0	122.7	125.2	0.0		15	
127.7	132.2	156.2	145.9	150.0	147.1	143.2	124.5	131.5	127.3	104.2	127.0	126.7	129.2	6.1	0.0	16	
136.0	140.3	<b>164.5</b>	154.1	158.2	155.3	151.5	132.7	139.5	134.1	111.4	133.5	134.1	136.6	14.3	8.2	0.0	17

**S1 Table C: Matrix of linear distances in km between sampling sites in SEN.** At the top is indicated the name of the sub-set of samples (SEN66 and SEN26) and vertical lines delimitate which sampling sites are included in the respective sub-set of samples. The maximum linear distance between sampling sites is highlighted in bold.

<b>SEN66</b>				
<b>SEN26</b>				
Camp du Lion	Simenti	Gue Damantan	Lingue Kountou	Niokolo
5.3	0.0			Simenti
8.9	3.9	0.0		Gue Damantan
17.0	22.35	<b>25.8</b>	0.0	Lingue Kountou
56.3	61.6	<b>65.0</b>	39.3	0.0 Niokolo