

Supplementary Table S9. Haplotype counts of the three *NAT* gene paralogs in the total samples of the genus *Pan*.

Samples ¹	<i>P. t. verus</i>				<i>P. t. ellioti</i>	<i>P. t. troglodytes</i>	<i>P. t. schweinfurthii</i>	Hybrid	<i>P. paniscus</i>
	CARTA	Basel zoo	BPRC	GAGP					
<i>Pan NAT1</i>									
<i>NAT1*1</i>	41	4	64	5	13	7	8	2	7
<i>NAT1*2</i>	4		3		1				
<i>NAT1*3</i>	3					1	1		
<i>NAT1*4</i>	3		14	1					
<i>NAT1*5</i>	1								
<i>NAT1*6</i>			1						15
<i>NAT1*7</i>					2				
<i>NAT1*8</i>						1			
<i>NAT1*9</i>							1		
<i>NAT1*10</i>					4	1	1		
<i>NAT1*11</i>							1		
<i>NAT1*12</i>									6
Total sample size ²	52	4	82 ³	6	20	10	12	2	28
<i>Pan NAT2</i>									
<i>NAT2*1</i>	46	4	72	5	1	1		1	
<i>NAT2*2</i>	3		8	1					
<i>NAT2*3</i>			1						
<i>NAT2*4</i>	3				2	8	11	1	
<i>NAT2*5</i>			1						
<i>NAT2*6</i>					17	1			
<i>NAT2*7</i>									25
<i>NAT2*8</i>									1
<i>NAT2*9</i>									2
<i>NAT2*10</i>							1		
Total sample size ²	52	4	82 ³	6	20	10	12	2	28

Pan NATP

NATP*1	13	2	37			1			
NATP*2	21	2	33	6	8	1	7	1	
NATP*3						2			
NATP*4			8						
NATP*5			4						
NATP*6	2								
NATP*7	13		6						
NATP*8	3				5	2	1		
NATP*9						3			
NATP*10							1		
NATP*11					2		2		
NATP*12					1				
NATP*13								1	
NATP*14					1				
NATP*15					3				
NATP*16						1			
NATP*17							1		
NATP*18									27
NATP*19									1
Total sample size ²	52	4	88 ⁴	6	20	10	12	2	28

¹ CARTA : includes the sequences from all 26 DNA samples from the CARTA research center (including those of related individuals); BPRC : includes the sequences from all 40 individuals from the Biomedical Primate Research Centre (BPRC) colony, plus those deduced genotypes from descendants (see footnotes 3 and 4) ; GAGP : includes all *P.t. verus* genotypes retrieved from the Great Ape Genome Project (GAGP), except that of Boscoe already included in San Diego (CARTA); the samples of *P. t. troglodytes*, *P. t. schweinfurthii*, and *P. paniscus* include genotypes retrieved from the GAGP and one DNA sample each that was Sanger sequenced in this study (of which one *P. t. schweinfurthii* genotype, Harriet, that is common in the GAGP and San Diego datasets), whereas the *P. t. ellioti* sample only includes genotypes retrieved from the GAGP; Hybrid : hybrid *P. t. troglodytes* and *P. t. verus* individual (see text).

² Total sample size in number of chromosomes (2n).

³ Includes the genotype of Izaak that has been deduced from his children's genotypes (Bram, Gerda and Yoran); see Supplementary Figure S1A.

⁴ Includes the genotypes of Izaak, Gerrit, Tasja and Marga, all deduced from their children's genotypes, see Supplementary Figure S1A.