

Table S1. Geographical coordinates for sampling sites in three Peruvian regions.

Region	Sampling sites	Latitude	Longitude
Lima	Barranca	-10.69414582	-77.69013187
	Coayllo	-12.73032341	-76.45966615
	Quilmaná	-12,95545436	-76,38696181
	Santa María	-11,09434808	-77,58587021
	Sayán	-11,2340555	-77,37451224
Piura	Chulucanas 1	-4,985357156	-80,16514518
	Chulucanas 2	-5,120997583	-80,19520977
	La Matanza 1	-5,215620746	-80,0926018
	La Matanza 2	-5,371220445	-80,02215688
	Piura	-5,175398077	-80,7074544
Junín	La Merced	-11,0703574	-75,33402035
	Perené 1	-10,9023300	-75,19011
	Perené 2	-10,99490867	-75,20002374
	San Ramón	-11,15000226	-75,38637896
	Vitoc	-11,21033800	-75,33533191

Table S2. Haplotype frequencies and sample sizes (on the third line) for each sampling site from Lima, Piura, and Junín.

	Lima					Piura					Junín				
	Barranca	Coayllo	Quilmaná	Santa María	Sayán	Chulucanas 1	Chulucanas 2	La Matanza 1	La Matanza 2	Piura	La Merced	Perené 1	Perené 2	San Ramón	Vitoc
Haplotype	42	38	36	39	35	38	31	14	52	31	32	36	29	35	24
C1	0.905	-	0.194	0.641	0.257	-	0.258	0.071	0.096	-	-	-	-	-	-
C2	-	-	0.056	-	-	-	-	-	-	0.032	-	-	-	-	-
C2c	0.048	-	-	0.205	-	-	-	-	-	-	-	-	-	-	-
C2j	-	0.632	-	0.051	0.314	-	0.065	-	-	-	0.25	0.028	0.069	0.143	0.208
C2l	-	-	-	-	-	0.079	-	-	-	-	-	-	-	-	-
C3	-	-	0.111	-	-	-	-	-	-	-	-	-	-	-	-
M7b	-	-	0.056	-	-	-	-	-	-	-	-	0.028	-	-	0.083
M7c	-	-	-	-	-	-	-	-	-	0.032	-	-	-	-	-
A30	-	0.342	0.111	0.077	0.029	0.421	-	0.214	0.192	0.032	-	-	-	-	-
A30d	-	-	0.028	-	-	-	-	-	-	-	-	-	-	-	-
A30e	-	-	0.028	-	-	-	-	-	-	-	-	-	-	-	-
A4p	-	0.026	-	0.026	0.286	0.447	0.452	0.214	0.327	0.452	0.188	0.278	0.172	0.2	0.5
A4q	-	-	-	-	-	0.026	-	-	-	-	-	-	-	-	-
A4s	-	-	-	-	-	-	-	-	-	-	0.031	-	-	-	-
A4t	0.048	-	0.361	-	-	-	0.161	0.143	0.192	0.258	0.344	0.583	0.586	0.057	0.208
A4u	-	-	-	-	-	-	-	-	-	-	-	0.028	0.069	0.029	-
A4v	-	-	-	-	-	-	-	-	-	-	-	-	0.034	-	-
A4w	-	-	-	-	-	-	-	-	-	-	-	-	0.069	-	-
A1	-	-	-	-	-	-	0.032	0.214	0.077	0.097	0.031	-	-	0.257	-

A1e	-	-	-	-	0.114	0.026	-	0.143	0.115	0.065	0.063	0.028	-	0.086	-
A1t	-	-	0.056	-	-	-	-	-	-	-	-	-	-	-	-
A1u	-	-	-	-	-	-	-	-	-	-	0.063	-	-	0.229	-
A1w	-	-	-	-	-	-	-	-	-	-	-	0.028	-	-	-
A65	-	-	-	-	-	-	0.032	-	-	0.032	0.031	-	-	-	-