

Brown et al.: Supplementary Information

Inter-rater reliability

Inter-rater reliability values were calculated using the kappa statistic (κ), as in Savage et al. (2012), using a pseudo-randomly selected subset of 45 songs (five songs randomly selected from each of the nine tribes). This statistic accounts for the effects of chance agreement, partial agreement, and character redundancy. This analysis was done by a second, musically-trained rater who was blind to the tribal affiliations of the songs.

Mean inter-rater reliability κ was 0.30, a level which Landis and Koch (1977) classify as “moderate” agreement. Reliability for the 15 Cantometric performance characters (mean $\kappa = 0.30$) was similar to Savage et al.’s (2012) previously reported value of $\kappa = 0.29$, while reliability for the 26 CantoCore structural characters (mean $\kappa = 0.30$) was somewhat lower than the previously reported value of $\kappa = 0.47$. Unlike Savage et al., there was no difference in mean reliability between the two schemes. We suspect that CantoCore’s lower reliability here is an artefact of the order of training, as the coder first classified all Taiwanese songs using CantoCore, then classified them all again using Cantometrics, and then finally classified all of the songs reported by Savage et al. using both classification systems at the same time.

Table S1. Musical distances (ϕ_{ST})

	Amis	Atayal	Bunun	Paiwan	Puyuma	Rukai	Saisiyat	Tao (Yami)	Tsou
Amis	0								
Atayal	0.0512	0							
Bunun	0.0690	0.0606	0						
Paiwan	0.0776	0.0468	0.0380	0					
Puyuma	0.0318	0.0165	0.0424	0.0197	0				
Rukai	0.0837	0.0513	0.0446	0.0018	0.0233	0			
Saisiyat	0.0682	0.0319	0.0332	0.0339	0.0162	0.0380	0		
Tao (Yami)	0.1090	0.0730	0.0594	0.0503	0.0592	0.0668	0.0426	0	
Tsou	0.0388	0.0362	0.0171	0.0225	0.0174	0.0214	0.0210	0.0770	0

Table S2. Genetic distances (ϕ_{ST})

	Amis	Atayal	Bunun	Paiwan	Puyuma	Rukai	Saisiyat	Tao (Yami)	Tsou
Amis	0								
Atayal	0.1336	0							
Bunun	0.1095	0.1029	0						
Paiwan	0.0841	0.1151	0.1072	0					
Puyuma	0.1297	0.1129	0.1331	0.0494	0				
Rukai	0.1400	0.1546	0.1544	0.0272	0.0665	0			
Saisiyat	0.1034	0.0382	0.0967	0.0843	0.0793	0.1213	0		
Tao (Yami)	0.1129	0.1920	0.1590	0.0847	0.1504	0.1320	0.1677	0	
Tsou	0.1180	0.1208	0.0755	0.0900	0.1129	0.1377	0.1082	0.0911	0

Table S3. Linguistic distances (patristic)

	Amis	Atayal	Bunun	Paiwan	Puyuma	Rukai	Saisiyat	Tao (Yami)	Tsou
Amis	0								
Atayal	0.0642	0							
Bunun	0.0385	0.0601	0						
Paiwan	0.0373	0.0541	0.0332	0					
Puyuma	0.0412	0.0599	0.0371	0.0330	0				
Rukai	0.0510	0.0596	0.0469	0.0409	0.0467	0			
Saisiyat	0.0494	0.0548	0.0453	0.0393	0.0451	0.0448	0		
Tao (Yami)	0.0638	0.0806	0.0597	0.0488	0.0595	0.0674	0.0658	0	
Tsou	0.0562	0.0647	0.0520	0.0460	0.0519	0.0473	0.0499	0.0726	0

Table S4. Geographical distances (km)

	Amis	Atayal	Bunun	Paiwan	Puyuma	Rukai	Saisiyat	Tao (Yami)	Tsou
Amis	0								
Atayal	233.8	0							
Bunun	82.3	165.4	0						
Paiwan	32.6	224.1	61.6	0					
Puyuma	30.7	204.9	65.0	43.8	0				
Rukai	41.0	223.8	59.5	8.5	51.0	0			
Saisiyat	229.8	29.5	155.3	216.2	202.6	214.8	0		
Tao (Yami)	83.1	289.1	160.6	115.1	96.2	123.1	291.8	0	
Tsou	104.9	140.3	25.6	86.8	83.3	85.1	129.8	179.4	0