

Supplementary table 1. HVSI haplotypes and coding-region polymorphisms of analyzed populations

HVSI sequence	Coding region polymorphisms	Haplogroup	Kladanj (N=34)	Majevisa (N=45)	ID samples	Accession numbers in GenBank
G16145A C16176G T16223C G16390A	1081	N1b1b	1		12	
C16292T		R	1		7	
T16356C	14766; 4577	HV12b	1		80	
C16221T	14766; 4577	HV4a	1		31	
T16298C	14766; 4577	HVO	1	2	3,11,56	
T16298C T16311C	14766; 4577	HVOe	1		8	
A16241G T16311C	7015	H	1		9	
C16192T	7025	H1	1		26	
C16248T	7025	H1		3	45, 52, 63	
C16239T	7025	H1	1		72	
A16162G, A16258C	7025	H1a	1		30	MF969049
A16162G T16209C	7025	H1a1	1		6	
G16048A C16261T	7025	H1	1	2	2, 34, 48	
T16362C	7025	H1b (H1/H6)		1	58	
A16183C, T16189C, A16194C, G16197C	7025	H2a /H2a		2	60, 62	
C16354T	7025	H2a1		1	33	
CRS		H2a2a	3	6	4, 15, 37, 51, 53, 54, 57, 71, 73	
A16051G, G16129C		H2a2a1c		2	40, 44	
A16183G C16354T	7025	H2a5b2	1		13	
A16051G,G16129C,A16182C , A16183C, T16189C, T16362C	7025	H2a5b2	1		25	
A16051G,G16129C, A16183C,T16189C,C16218T	7025	H2a5b2	1		27	
C16192T, T16304C	7025	H5		1	18	
T16093C, T16304C	7025	H5a1+16093	1		75	
T16356C, T16362C	7025	H6		1	41	
A16293G, T16311C	7025	H11a	1		69	
C16278T, A16293G,T16311C	7025	H11a	1		78	
C16297T, T16362C	7025	H13a1a1*	1		74	MF969051
T16189C, CA16258C, C16282A, A16293C, A16340T	7025	H24		2	49, 55	
C16188T	7025	H33c		1	39	
C16291T,G16390A	7025	H85		2	50, 61	
C16069T T16126C	13704	J		1	16	

C16069T, T16126C, ,C16261T	12308	J1b1a1 / J1b	1	66	
C16069T, T16126C, G16145A,T16172C, C16222T,C16261T	13704	J1b1a1 / J1b	4	32, 35, 38, 42	
T16063C,C16069T, T16126C,C16193T, C16348T	13704	J1c3f /J1c	3	19, 20, 22	MF969048
C16069T,T16126C,C16193T, G16274A		J1c /J	1	79	
T16093C, T16126C, C16294T,C16296T	14766;15606	T2 /T2	1	43	
T16126C, C16294T,C16296T, T16304C	14766;15606	T2b	1	64	
C16179T, T16356C	12308	U4c1	1	68	
C16256T,C16270T		U5a / U5a	2	28, 67	
T16189C, C16270T, 16293C, T16304C	12308	U5b	2	24, 77	
T16189C C16192T C16270T A16322C G16384A	12308	U5	2	5,21	
C16256T C16270T	12308	U5a	1	1	
G16129A T16189C T16249C	12308	U1a	1	70	
A16309G, A16318T	12308	U7	1	47	
G16129C, T16189C, T16234C	12308	U8b	1	29	
T16224C, T16311C,	12308;9052	K	3	23, 46, 65	
T16093C T16224C T16311C	12308;9052	K1a	1	10	
T16093C T16224C T16311C T16362C	12308; 9052	K1a5a	1	14	
T16126C, T16189A, C16223T, C16278T		X2e	1	59	
A16183C,T16189C,C16222T, C16223T, C16248T, G16255A,A16258C,C16278T		X2c	1	76	
C16176T,C16223T, C16292T		W	1	36	MF969050

Supplementary table 2. Matrix of the pairwise Fst values based on frequency of mtDNA haplogroups between populations of the Konjuh and Majevisa and comparative populations (below the diagonal) and p value (above the diagonal)

Populations	Konjuh	Majevisa	Bjelasnica	Bosnia 1	Bosnia 2	Hercegovina	Slovenia	Serbia	Montenegro	Croatia	Krk	Zumberak	Cres
Konjuh	*	0.19820+- 0.0466	0.02703+- 0.0139	0.65766+- 0.0490	0.90991+- 0.0214	0.74775+- 0.0334	0.13514+- 0.0434	0.94595+- 0.0205	0.88288+- 0.0228	0.84685+- 0.0365	0.09009+- 0.0271	0.12613+- 0.0364	0.00000+- 0.0000
Majevisa	0.00850	*	0.02703+- 0.0194	0.10811+- 0.0227	0.03604+- 0.0148	0.03604+- 0.0148	0.09910+- 0.0370	0.13514+- 0.0339	0.30631+- 0.0433	0.11712+- 0.0451	0.00000+- 0.0000	0.04505+- 0.0203	0.00000+- 0.0000
Bjelasnica	0.01782	0.03605	*	0.00901+- 0.0091	0.00000+- 0.0000	0.00000+- 0.0000	0.00000+- 0.0000	0.01802+- 0.0121	0.00000+- 0.0000	0.00000+- 0.0000	0.00901+- 0.0091	0.01802+- 0.0121	0.00000+- 0.0000
Bosnia 1	- 0.00532	0.00627	0.01971	*	0.01802+- 0.0121	0.02703+- 0.0139	0.00000+- 0.0000	0.34234+- 0.0466	0.10811+- 0.0182	0.06306+- 0.0237	0.00901+- 0.0091	0.00901+- 0.0091	0.00000+- 0.0000
Bosnia2	- 0.00845	0.01598	0.02075	0.00789	*	0.81081+- 0.0304	0.00901+- 0.0091	0.23423+- 0.0243	0.13514+- 0.0434	0.11712+- 0.0305	0.01802+- 0.0121	0.00901+- 0.0091	0.00000+- 0.0000
Hercegovina	- 0.00725	0.01375	0.02544	0.00916	-0.00268	*	0.07207+- 0.0297	0.51351+- 0.0471	0.48649+- 0.0411	0.36937+- 0.0582	0.03604+- 0.0148	0.01802+- 0.0121	0.00000+- 0.0000
Slovenia	0.00948	0.01171	0.03078	0.01561	0.00914	0.00702	*	0.01802+- 0.0121	0.04505+- 0.0203	0.08108+- 0.0212	0.00901+- 0.0091	0.05405+- 0.0242	0.00000+- 0.0000
Serbia	- 0.00993	0.00989	0.02374	0.00080	0.00111	-0.00106	0.01415	*	0.38739+- 0.0430	0.17117+- 0.0316	0.00000+- 0.0000	0.02703+- 0.0139	0.00000+- 0.0000
Montenegro	- 0.00888	0.00091	0.02781	0.00350	0.00193	-0.00049	0.00983	-0.00083	*	0.48649+- 0.0594	0.00901+- 0.0091	0.01802+- 0.0121	0.00000+- 0.0000
Croatia	- 0.00661	0.00721	0.02351	0.00396	0.00109	-0.00017	0.00424	0.00135	-0.00069	*	0.00000+- 0.0000	0.00000+- 0.0000	0.00000+- 0.0000
Krk	0.01449	0.03334	0.02218	0.02298	0.00950	0.01234	0.01155	0.02221	0.02216	0.01755	*	0.00000+- 0.0000	0.00000+- 0.0000
Zumberak	0.01209	0.02428	0.01944	0.01565	0.01618	0.01570	0.00943	0.01545	0.01663	0.01021	0.02922	*	0.00000+- 0.0000
Cres	0.05424	0.08160	0.04396	0.06607	0.04673	0.04618	0.04261	0.06032	0.06325	0.05287	0.03389	0.04164	*