

Y-chromosomal STR haplotypes in a Gypsy population from Portugal

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Table 1. Y-STR haplotypes found in a sample of 126 Portuguese Gypsies

Haplotype	<i>n</i>	Y19, Y385, Y389I, Y389II, Y390, Y391, Y392, Y393, Y437, Y438, Y439, Y448, Y456, Y458, Y635, H4
H1	1	16,15_15,12,30,22,9,12,13,15,10,12,19-20,17,15,21,22
H2	1	13,16_17,13,29,24,10,11,13,14,10,12,20,15,16,22,21
H3	1	13,13_14,13,29,24,9,12,13,14,10,10,20,16,18,22,21
H4	1	13,13_14,13,29,24,9,11,13,14,10,10,20,16,17,21,21
H5	1	14,14_14,12,29,22,10,11,15,16,10,12,20,15,16,20,21
H6	1	15,15_17,14,30,22,10,11,12,14,9,11,19,15,16,20,21
H7	6	15,15_17,14,30,22,10,11,12,14,9,11,19,15,17,20,21
H8	2	15,15_17,14,30,22,10,11,12,14,9,11,19,15,18,20,21
H9	3	15,15_17,14,30,22,10,11,12,14,9,11,19,15,19,20,21
H10	1	15,15_17,14,30,22,10,11,12,14,9,11,19,15,19,21,21
H11	1	15,15_17,14,30,22,10,11,12,14,9,11,19,16,17,20,21
H12	1	15,15_17,14,30,22,10,11,12,14,9,12,19,15,17,20,20
H13	2	15,15_17,14,30,22,10,11,12,14,9,12,19,15,18,20,22
H14	2	15,16_17,14,30,22,10,11,12,14,9,11,19,15,17,20,21
H15	1	15,16_17,14,30,22,10,11,12,14,9,11,19,15,18,20,21
H16	1	15,16_17,14,30,22,10,11,12,14,9,12,19,15,17,20,20
H17	1	14,13_14,12,28,23,10,11,13,16,10,11,20,14,16,23,20
H18	10	14,14_14,12,28,22,10,11,13,16,10,12,20,14,15,22,20
H19	1	14,14_14,12,28,22,10,11,13,16,10,12,20,14,15,23,20
H20	1	17,12_12,13,28,23,10,11,13,15,10,11,21,14,17,21,22
H21	1	15,14_17,12,28,24,10,11,12,16,9,12,19,13,16,21,20
H22	20	14,16_16,13,29,23,10,11,12,15,9,12,21,15,16,21,21
H23	1	14,16_16,13,29,23,10,11,12,15,9,12,21,15,16,22,21
H24	1	14,13_15,14,31,23,10,11,12,14,9,11,20,15,17,21,19
H25	17	14,13_16,14,31,23,10,11,12,14,9,11,20,15,17,21,19
H26	1	14,13_16,14,32,23,10,11,12,14,9,11,20,15,17,21,19

H27	5	14,13_16,15,32,23,10,11,12,14,9,11,20,15,17,21,19
H28	1	14,13_17,14,31,23,10,11,12,14,9,11,20,15,17,21,19
H29	1	16,13_15,13,33,22,10,11,12,14,9,11,21,16,15,21,21
H30	1	15,14_17,12,29,23,10,11,12,15,9,12,19,13,16,21,21
H31	1	14,14_16,14,30,24,10,13,13,14,9,11,19,16,18,21,20
H32	1	14,11_15,14,30,24,11,14,13,15,12,12,20,18,18,23,21
H33	1	14,del.,13,31,24,11,del.,13,15,12,11,del.,15,16,23,21
H34	1	14,11_15,13,31,24,11,13,13,15,12,11,19,15,16,23,21
H35	1	15,11_13,13,28,24,11,13,13,14,12,11,18,17,17,23,20
H36	1	14,10_17,13,29,24,10,13,13,15,12,12,19,15,17,23,22
H37	1	14,11_11,12,28,24,11,13,13,15,12,12,19,15,17,23,18
H38	1	14,11_14,13,29,24,10,13,13,15,12,12,20,16,17,24,21
H39	1	14,11_14,13,29,24,10,13,13,15,12,13,19,16,18,23,20
H40	1	14,11_14,13,29,24,10,13,13,15,12,13,19,16,18,24,20
H41	3	14,11_14,13,29,24,11,13,13,15,12,12,19,17,17,23,21
H42	1	14,11_14,13,29,24,11,15,13,15,12,14,19,15,17,23,21
H43	1	14,11_14,13,30,23,11,13,13,15,12,11,19,15,17,23,21
H44	1	14,11_14,13,30,25,11,13,15,15,12,12,19,16,20,23,20
H45	3	14,11_14,14,30,23,10,13,13,15,12,12,19,15,17,23,21
H46	3	14,11_15,13,30,23,11,13,13,15,12,11,19,15,17,23,21
H47	1	14,11_15,13,30,24,11,13,13,15,12,12,19,18,17,23,18
H48	4	14,11_15,13,30,24,11,13,13,15,12,13,19,16,18,23,21
H49	1	14,11_15,14,30,24,11,14,13,15,12,12,19,15,18,23,21
H50	7	14,11_15,13,31,24,11,13,13,15,12,11,19,15,16,23,21
H51	1	14,13_17,14,30,24,10,14,13,14,11,12,19,18,18,22,21
H52	1	15,11_13,13,29,25,11,13,13,15,12,11,18,15,17,23,21
H53	1	16,11_15,12,28,24,11,13,13,15,12,12,19,16,19,23,21

Table 2. Rst genetic distances between Gypsy and non-Gypsy populations.

	Portuguese Gypsies	Lithuanian Gypsies [4]	Spanish Gypsies [4]	Bulgarian Gypsies [4]	Bulgarian Gypsies [5]	Portugal [1]	Bulgaria [5]	Spain [6]
Portuguese Gypsies	*	0.0606	0.2436	0.0000	0.0000	0.0000	0.0000	0.0000
Lithuanian Gypsies	0.0393	*	0.3681	0.1082	0.0128	0.0000	0.0000	0.0000
Spanish Gypsies	0.0072	0.0017	*	0.0084	0.0206	0.0000	0.0002	0.0000
Bulgarian Gypsies	0.0770	0.0229	0.0514	*	0.0014	0.0000	0.0000	0.0000
Bulgarian Gypsies	0.0631	0.0690	0.0439	0.0291	*	0.0000	0.0000	0.0000
Portugal	0.1543	0.3094	0.2202	0.3412	0.2810	*	0.0000	0.5040
Bulgaria	0.0781	0.1827	0.1031	0.1939	0.0875	0.1253	*	0.0000
Spain	0.1529	0.3040	0.2088	0.3463	0.2803	-0.0009	0.1257	*

Note: Below diagonal – R_{ST} values; above diagonal – P -values.