

Refining the analysis of Y-chromosomal diversity in Alentejo (Portugal)

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Table1. Y-STRs haplotypes found in a sample (91 individuals) from Coruche.

Hap.	n	DYS19, DYS385, DYS389I, DYS389II, DYS390, DYS391, DYS392, DYS393, DYS437, DYS438, DYS439, DYS448, DYS456, DYS458, DYS635 and GATA H4
H1	1	15, 11-15, 13, 30, 24, 12, 14, 13, 15, 12, 12, 19, 16, 18, 23, 28
H2	1	15, 13-15, 13, 29, 22, 10, 11, 12, 15, 9, 13, 21, 15, 15, 21, 27
H3	3	15, 13-15, 13, 29, 22, 10, 11, 12, 15, 9, 12, 21, 15, 15, 21, 27
H4	1	15, 11-14, 12, 29, 24, 10, 13, 13, 15, 12, 12, 19, 16, 18, 23, 27
H5	1	14, 12-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 28
H6	2	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 15, 18, 23, 27
H7	1	15, 13-16, 12, 29, 21, 10, 11, 14, 16, 10, 11, 22, 16, 17, 21, 27
H8	2	15, 11-15, 13, 29, 24, 10, 13, 13, 15, 12, 12, 20, 15, 17, 23, 29
H9	1	14, 11-14, 13, 30, 24, 10, 13, 14, 15, 12, 11, 19, 15, 18, 23, 28
H10	1	14, 11-14, 12, 28, 23, 11, 14, 13, 14, 12, 12, 18, 15, 18, 23, 27
H11	2	14, 12-13, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 28
H12	1	16, 12-12, 13, 28, 23, 10, 11, 13, 14, 10, 12, 21, 15, 17, 22, 28
H13	1	14, 11-14, 13, 29, 24, 11, 13, 12, 15, 12, 12, 19, 16, 16, 23, 29
H14	1	14, 11-14, 13, 29, 26, 11, 13, 12, 15, 12, 12, 19, 15, 16, 23, 28
H15	2	13, 14-14, 14, 30, 25, 9, 11, 13, 14, 10, 10, 20, 16, 18, 21, 28
H16	2	13, 13-14, 14, 30, 24, 10, 11, 13, 14, 10, 9, 19, 17, 18, 22, 28
H17	1	16, 11-12, 13, 28, 22, 11, 11, 13, 15, 10, 12, 20, 14, 17, 21, 28
H18	1	15, 11-14, 13, 29, 24, 10, 13, 13, 14, 12, 12, 19, 15, 17, 23, 28
H19	3	13, 13-14, 13, 29, 24, 9, 11, 13, 14, 10, 10, 20, 16, 18, 21, 28
H20	1	14, 11-14, 13, 29, 25, 10, 13, 14, 14, 12, 11, 19, 16, 17, 23, 27
H21	1	15, 11-14, 12, 28, 25, 10, 13, 14, 16, 12, 14, 19, 15, 15, 23, 28
H22	1	15, 11-15, 14, 29, 24, 11, 13, 13, 15, 12, 11, 17, 16, 16, 23, 28
H23	1	15, 13-14, 14, 32, 22, 10, 11, 14, 16, 10, 12, 21, 13, 19, 22, 27
H24	1	15, 11-16, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 15, 16, 23, 27
H25	1	14, 11-14, 14, 31, 25, 10, 13, 13, 15, 12, 12, 18, 15, 18, 23, 27
H26	1	14, 11-14, 12, 28, 24, 11, 13, 13, 15, 10, 12, 19, 16, 17, 23, 27
H27	1	14, 11-14, 13, 29, 23, 11, 13, 13, 15, 12, 12, 18, 16, 18, 23, 27
H28	1	13, 15-17, 13, 30, 25, 10, 14, 12, 13, 9, 13, 19, 15, 18, 22, 27
H29	1	14, 11-14, 13, 30, 24, 10, 13, 12, 15, 12, 13, 19, 12, 16, 23, 27
H30	1	13, 16-17, 13, 31, 23, 11, 11, 13, 14, 10, 12, 21, 18, 15, 23, 28
H31	1	14, 11-14, 14, 30, 24, 11, 12, 13, 15, 12, 13, 19, 16, 18, 23, 28
H32	1	14, 12-19, 13, 30, 24, 10, 11, 12, 14, 10, 12, 20, 15, 21.2, 20, 27
H33	1	15, 13-18, 12, 29, 21, 10, 11, 16, 16, 10, 11, 23, 15, 17, 22, 27
H34	1	14, 13-15, 12, 28, 23, 10, 11, 13, 16, 10, 11, 20, 14, 16, 22, 27
H35	1	14, 11-14, 14, 30, 24, 11, 13, 13, 15, 12, 13, 19, 15, 17, 23, 28
H36	1	16, 17-19, 14, 30, 21, 10, 11, 13, 15, 9, 11, 19, 16, 18, 22, 27
H37	1	15, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 13, 19, 16, 18, 24, 29
H38	1	14, 11-14, 13, 29, 24, 11, 13, 13, 14, 12, 11, 18, 16, 18, 23, 27
H39	1	14, 11-14, 14, 30, 23, 11, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H40	1	15, 16-16, 14, 31, 23, 10, 12, 14, 15, 10, 12, 20, 13, 18, 21, 28
H41	1	15, 9-17, 14, 30, 22, 10, 11, 14, 16, 10, 11, 22, 14, 18, 23, 28

H42	1	13, 16-16, 13, 32, 24, 10, 11, 13, 14, 10, 13, 19, 15, 17, 23, 27
H43	1	14, 12-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 17, 18, 23, 27
H44	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 18, 23, 28
H45	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 15, 17, 23, 29
H46	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 27
H47	1	14, 11-13, 13, 28, 24, 11, 13, 13, 15, 12, 12, 19, 15, 17, 24, 28
H48	1	14, 12-14, 13, 30, 24, 11, 14, 13, 15, 12, 12, 19, 15, 18, 23, 27
H49	1	14, 11-14, 14, 29, 24, 10, 14, 13, 15, 12, 12, 19, 16, 18, 23, 28
H50	1	14, 11-14, 13, 29, 23, 11, 13, 13, 15, 10, 12, 19, 16, 18, 23, 28
H51	2	14, 12-14, 13, 29, 24, 10, 13, 13, 15, 12, 12, 18, 15, 17, 23, 28
H52	1	14, 11-15, 14, 30, 23, 10, 13, 13, 14, 12, 11, 19, 16, 17, 23, 28
H53	1	15, 12-14, 13, 29, 23, 10, 13, 13, 15, 12, 12, 19, 16, 17, 23, 28
H54	1	15, 14-14, 13, 30, 24, 10, 12, 15, 15, 10, 11, 20, 14, 16, 19, 27
H55	1	14, 13-15, 13, 30, 23, 10, 11, 12, 14, 10, 12, 21, 15, 17.2, 22, 27
H56	1	14, 11-15, 13, 29, 24, 10, 13, 13, 15, 13, 12, 19, 15, 17, 23, 28
H57	1	15, 11-14, 13, 29, 23, 11, 14, 14, 14, 10, 10, 19, 15, 17, 22, 28
H58	1	13, 16-21, 13, 30, 24, 10, 11, 13, 14, 10, 13, 20, 17, 16, 21, 27
H59	1	13, 16-18, 13, 30, 24, 10, 11, 13, 14, 10, 12, 20, 16, 15, 24, 27
H60	1	14, 11-14, 13, 28, 25, 10, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H61	1	14, 13-19, 13, 30, 22, 10, 11, 12, 14, 10, 11, 20, 15, 17.2, 20, 27
H62	1	15, 15-17, 13, 29, 23, 10, 12, 15, 14, 10, 12, 20, 14, 17, 21, 27
H63	1	14, 11-14, 13, 29, 23, 11, 13, 12, 15, 13, 12, 19, 15, 16, 23, 29
H64	1	14, 11-14, 14, 31, 23, 10, 13, 14, 15, 12, 12, 19, 16, 17, 23, 28
H65	1	15, 11-14, 13, 29, 24, 10, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H66	1	14, 11-14, 13, 29, 23, 11, 13, 13, 15, 12, 13, 19, 15, 17, 23, 27
H67	1	14, 13-14, 12, 29, 22, 10, 11, 13, 16, 10, 11, 20, 14, 15, 22, 27
H68	1	14, 11-14, 14, 30, 24, 11, 13, 13, 14, 12, 13, 18, 16, 17, 23, 27
H69	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 28
H70	1	14, 11-15, 13, 30, 24, 10, 13, 13, 15, 12, 12, 18, 16, 18, 23, 28
H71	1	15, 14-16, 12, 27, 22, 10, 14, 13, 14, 9, 11, 19, 15, 15, 20, 26
H72	1	15, 15-16, 14, 32, 23, 10, 12, 14, 14, 10, 11, 20, 15, 15, 22, 27
H73	1	14, 14-14, 12, 28, 22, 10, 11, 13, 15, 10, 11, 20, 14, 15, 21, 27
H74	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 13, 11, 19, 15, 17, 23, 28
H75	1	14, 11-14, 13, 29, 24, 11, 13, 12, 15, 12, 12, 19, 15, 16, 23, 29
H76	2	13, 16-16, 13, 31, 24, 10, 11, 12, 14, 10, 12, 20, 15, 18, 23, 28
H77	1	15, 11-14, 13, 30, 25, 11, 13, 13, 15, 12, 12, 19, 16, 15, 23, 28
H78	1	15, 13-14, 14, 31, 22, 10, 11, 13, 14, 9, 12, 20, 15, 16, 22, 27
H79	1	14, 13-15, 13, 29, 24, 9, 11, 13, 14, 10, 10, 20, 16, 16, 22, 28
H80	1	15, 11-13, 13, 30, 24, 11, 13, 13, 14, 12, 12, 18, 17, 17, 23, 27

Table2. Y-STR haplotypes found in a sample (54 individuals) from Pias.

Hap.	n	DYS19, DYS385, DYS389I, DYS389II, DYS390, DYS391, DYS392, DYS393, DYS437, DYS438, DYS439, DYS448, DYS456, DYS458, DYS635 and GATA H4
H1	2	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 11, 19, 15, 16, 24, 28
H2	2	14, 12-15, 13, 29, 23, 10, 11, 12, 14, 10, 12, 20, 16, 18.2, 21, 27
H3	2	14, 11-14, 13, 29, 24, 12, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H4	2	14, 12-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 28
H5	1	14, 11-14, 13, 30, 25, 10, 13, 13, 15, 12, 12, 20, 15, 18, 23, 28
H6	2	15, 12-13, 12, 29, 22, 10, 11, 13, 15, 10, 11, 22, 14, 17, 21, 27
H7	1	14, 12-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H8	1	14, 11-14, 14, 31, 24, 11, 13, 13, 15, 12, 13, 18, 15, 22, 23, 28
H9	2	17, 11-14, 13, 31, 25, 10, 11, 14, 14, 11, 10, 20, 15, 15, 23, 29
H10	1	14, 11-14, 13, 30, 23, 11, 13, 13, 15, 12, 12, 19, 16, 19, 23, 27
H11	1	14, 11-14, 13, 30, 23, 11, 13, 13, 15, 12, 12, 19, 16, 18, 23, 28
H12	1	15, 14-14, 13, 29, 24, 10, 13, 13, 15, 12, 12, 19, 16, 18, 23, 28
H13	1	16, 14-16, 12, 28, 22, 10, 11, 14, 16, 11, 11, 21, 15, 16, 20, 29
H14	1	14, 11-14, 13, 29, 24, 11, 13, 14, 15, 12, 11, 19, 18, 20, 23, 28
H15	1	14, 11-14, 14, 30, 23, 11, 13, 13, 15, 12, 12, 19, 16, 18, 23, 28
H16	1	15, 11-13, 13, 29, 23, 11, 13, 13, 15, 12, 12, 18, 16, 17, 24, 29
H17	2	14, 11-11, 14, 30, 23, 10, 13, 13, 15, 12, 12, 19, 16, 19, 23, 28
H18	1	14, 11-14, 14, 30, 24, 11, 13, 13, 15, 12, 13, 20, 15, 18, 23, 28
H19	1	15, 13-16, 12, 29, 21, 10, 11, 15, 16, 10, 11, 23, 15, 16, 20, 27
H20	1	14, 11-14, 13, 29, 24, 11, 13, 13, 14, 12, 12, 18, 16, 17, 23, 28
H21	2	13, 16-17, 13, 30, 25, 10, 11, 14, 14, 10, 12, 21, 17, 16, 23, 28
H22	1	14, 11-14, 13, 29, 25, 11, 14, 13, 15, 12, 12, 19, 15, 18, 23, 28
H23	1	13, 17-17, 13, 31, 24, 11, 11, 13, 14, 10, 12, 20, 17, 18, 22, 27
H24	1	13, 14-14, 14, 30, 24, 9, 11, 13, 14, 10, 10, 21, 16, 19, 21, 28
H25	1	14, 11-14, 13, 29, 24, 11, 13, 14, 15, 12, 12, 19, 18, 19, 23, 28
H26	1	15, 13-15, 14, 30, 23, 9, 11, 12, 14, 9, 12, 21, 16, 14, 22, 28
H27	1	14, 13-16, 13, 29, 23, 10, 11, 12, 14, 9, 10, 20, 14, 14, 23, 27
H28	1	14, 11-14, 13, 29, 24, 11, 14, 13, 15, 12, 12, 19, 15, 16, 23, 28
H29	1	14, 11-12, 13, 29, 23, 10, 13, 13, 15, 12, 12, 19, 16, 19, 23, 28
H30	1	14, 11-14, 13, 29, 24, 11, 14, 13, 15, 12, 12, 19, 15, 17, 23, 28
H31	1	14, 11-14, 14, 30, 24, 11, 13, 13, 14, 12, 11, 18, 16, 18, 23, 27
H32	1	13, 12-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 16, 17, 23, 27
H33	1	14, 11-15, 14, 30, 25, 11, 13, 13, 14, 12, 12, 18, 16, 18, 23, 27
H34	1	15, 14-16, 13, 30, 23, 10, 13, 13, 14, 9, 11, 19, 15, 18, 21, 27
H35	1	15, 11-13, 13, 29, 24, 11, 13, 13, 14, 12, 12, 18, 18, 18, 23, 27
H36	2	14, 15-15, 14, 31, 23, 10, 11, 12, 15, 9, 10, 20, 18, 16, 23, 27
H37	1	15, 13-17, 12, 28, 24, 10, 11, 13, 16, 9, 11, 19, 13, 16, 21, 27
H38	1	14, 11-14, 14, 30, 25, 10, 13, 13, 15, 12, 12, 19, 15, 16, 23, 27
H39	1	14, 11-14, 13, 29, 24, 10, 13, 14, 15, 12, 12, 19, 15, 18, 23, 28
H40	1	14, 11-15, 13, 29, 24, 11, 13, 13, 15, 12, 11, 19, 16, 17, 23, 28
H41	1	14, 11-15, 13, 29, 24, 11, 13, 13, 15, 12, 12, 20, 15, 17, 23, 28
H42	1	14, 15-15, 14, 32, 23, 10, 11, 12, 15, 9, 10, 20, 18, 16, 23, 27
H43	1	14, 11-14, 13, 29, 24, 11, 13, 14, 14, 12, 12, 19, 15, 17, 24, 28
H44	1	14, 11-14, 13, 29, 24, 11, 13, 13, 15, 12, 12, 19, 15, 17, 23, 28
H45	1	14, 14-14, 14, 30, 24, 9, 11, 13, 14, 10, 10, 20, 16, 18, 21, 27