

Supplementary Table S5: Number and frequency of Y chromosome haplogroup D1a2a and D1a2a (12f2b) lineages in Japanese male population from the seven cities

D1a2a	Nagasaki	Fukuoka	Tokushima	Osaka	Kanazawa	Kawaski	Sapporo	All (%)
D1a2a-M55	1 (2.9)	0 (0.0)	1 (3.0)	0 (0.0)	0 (0.0)	1 (1.7)	0 (0.0)	3 (0.9)
D1a2a1-M116.1	0 (0.0)	0 (0.0)	0 (0.0)	1 (5.6)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.3)
D1a2a1c-CTS6609^^	1 (2.9)	0 (0.0)	1 (3.0)	0 (0.0)	3 (3.8)	1 (1.7)	1 (1.3)	7 (2.2)
D1a2a1c1-CTS3097	3 (8.8)	3 (17.6)	1 (3.0)	0 (0.0)	2 (2.6)	2 (3.4)	2 (2.6)	13 (4.1)
D1a2a1c1a-CTS1670	1 (2.9)	1 (5.9)	2 (6.1)	1 (5.6)	7 (9.0)	10 (17.2)	6 (7.7)	28 (8.9)
D1a2a1c1a1-CTS2378	0 (0.0)	2 (11.8)	0 (0.0)	0 (0.0)	2 (2.6)	3 (5.2)	8 (10.3)	15 (4.7)
D1a2a1c1a1a-V1017	2 (5.9)	0 (0.0)	0 (0.0)	1 (5.6)	3 (3.8)	3 (5.2)	2 (2.6)	11 (3.5)
D1a2a1c1a1b-CTS3033	1 (2.9)	1 (5.9)	0 (0.0)	0 (0.0)	2 (2.6)	1 (1.7)	1 (1.3)	6 (1.9)
D1a2a1c1a1b1~-Z40684	7 (20.6)	5 (29.4)	5 (15.2)	2 (11.1)	17 (21.8)	10 (17.2)	14 (17.9)	60 (19.0)
D1a2a1c1b-BY170998	1 (2.9)	1 (5.9)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.7)	1 (1.3)	4 (1.3)
D1a2a1c1b1-BY169287	3 (8.8)	0 (0.0)	3 (9.1)	2 (11.1)	6 (7.7)	4 (6.9)	9 (11.5)	27 (8.5)
D1a2a1c1c-Z30648	4 (11.8)	0 (0.0)	2 (6.1)	1 (5.6)	5 (6.4)	4 (6.9)	5 (6.4)	21 (6.6)
D1a2a1c2-CTS10304	5 (14.7)	0 (0.0)	3 (9.1)	0 (0.0)	5 (6.4)	1 (1.7)	4 (5.1)	18 (5.7)
D1a2a2-Z1519	5 (14.7)	4 (23.5)	15 (45.5)	10 (55.6)	26 (33.3)	17 (29.3)	25 (32.1)	102 (32.3)
Total	34	17	33	18	78	58	78	316
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D1a2a-12f2b								
D1a2a1a2b-IMS-JST006841	4 (7.5)	1 (6.3)	11 (20.0)	2 (7.1)	16 (17.6)	5 (11.4)	10 (10.8)	49 (12.9)
D1a2a1a2b1-Z3611	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (2.3)	1 (1.1)	2 (0.5)
D1a2a1a2b1a-Z3651	0 (0.0)	0 (0.0)	1 (1.8)	1 (3.6)	1 (1.1)	2 (4.5)	1 (1.1)	6 (1.6)
D1a2a1a2b1a1-Z1504	6 (11.3)	1 (6.3)	3 (5.5)	4 (14.3)	4 (4.4)	1 (2.3)	7 (7.5)	26 (6.8)
D1a2a1a2b1a1a-CTS8093	12 (22.6)	3 (18.8)	14 (25.5)	9 (32.1)	20 (22.0)	5 (11.4)	17 (18.3)	80 (21.1)
D1a2a1a2b1a1a1-FGC6373	9 (17.0)	5 (31.3)	6 (10.9)	5 (17.9)	13 (14.3)	8 (18.2)	14 (15.1)	60 (15.8)
D1a2a1a2b1a1a1a-L137.3	10 (18.9)	1 (6.3)	8 (14.5)	3 (10.7)	12 (13.2)	7 (15.9)	11 (11.8)	52 (13.7)
D1a2a1a2b1a1a3-Z46274	3 (5.7)	2 (12.5)	6 (10.9)	1 (3.6)	3 (3.3)	5 (11.4)	9 (9.7)	29 (7.6)
D1a2a1a2b1a1a9-Z40687	3 (5.7)	2 (12.5)	1 (1.8)	1 (3.6)	3 (3.3)	1 (2.3)	5 (5.4)	16 (4.2)
D1a2a1a2b1a1b-BY141272	1 (1.9)	0 (0.0)	1 (1.8)	0 (0.0)	2 (2.2)	3 (6.8)	2 (2.2)	9 (2.4)
D1a2a1a3-CTS10972	5 (9.4)	1 (6.3)	4 (7.3)	2 (7.1)	17 (18.7)	6 (13.6)	16 (17.2)	51 (13.4)
Total	53	16	55	28	91	44	93	380