



Supplementary Material

Haplotype Diversity of 17 Y Chromosomal STRs in Jat Population of Pakistan

Abida Shehzadi*, Muhammad Shafique and Ahmad Ali Shahid

Forensic DNA Typing Research Laboratory, Centre of Excellence in Molecular Biology,
University of the Punjab Lahore Pakistan-53700.

Supplementary Table I. Haplotypes obtained for 17 Y-STR markers, their frequencies and diversities for Jat population, Pakistan

Haplotypes	Frequency	Diversity
15-13-25-30-16-14-11-14-12-10-10-24-11-12-14-11-20	0.0350	0.9679
15-15-24-31-17-15-11-14-13-11-11-23-11-12-14-11-20	0.0210	0.9820
15-14-23-31-19-14-13-19-14-10-10-25-10-12-15-11-19	0.0210	0.9820
15-13-25-31-18-15-11-14-13-11-10-23-11-13-14-9-20	0.0140	0.9890
15-13-26-30-16-16-11-14-13-11-10-23-11-13-14-11-20	0.0140	0.9890
15-13-25-30-17-15-11-15-13-11-11-23-11-13-14-11-19	0.0140	0.9890
15-12-24-29-19-14-15-16-13-10-12-21-12-11-16-11-22	0.0140	0.9890
15-13-22-30-17-2-14-10-18-12-10-11-21-11-11-14-10-20	0.0070	0.9960
15-13-23-29-16-14-12-18-14-10-10-24-10-12-16-11-19	0.0070	0.9960
14-14-23-30-19-14-15-20-12-10-11-24-11-11-14-9-21	0.0070	0.9960
16-13-22-29-16-15-14-14-13-10-12-21-11-13-16-10-21	0.0070	0.9960
15-13-24-30-15-16-11-14-13-11-10-24-11-13-14-11-20	0.0070	0.9960
15-14-22-28-17-15-12-12-12-10-12-20-11-12-14-9-19	0.0070	0.9960
17-14-23-30-16-13-13-15-13-10-12-21-13-12-15-9-19	0.0070	0.9960
16-13-23-29-17-14-12-18-14-10-10-25-10-12-16-11-20	0.0070	0.9960
15-13-25-30-16-17-11-14-13-10-10-23-11-13-14-11-20	0.0070	0.9960
15-13-22-30-16-15-13-18-12-10-11-17-11-11-14-10-18	0.0070	0.9960
15-14-25-32-16-16-11-15-13-11-10-23-11-12-14-9-20	0.0070	0.9960
15-14-22-28-17-15-15-15-12-10-12-20-11-13-14-9-19	0.0070	0.9960
15-13-25-31-16-15-11-14-13-10-10-23-11-13-14-11-20	0.0070	0.9960
14-14-22-30-19-15-15-19-12-10-11-20-12-12-14-9-20	0.0070	0.9960
15-14-23-30-17-14-15-20-12-10-14-22-11-11-14-9-19	0.0070	0.9960
16-13-23-28-18-14-14-20-14-10-10-25-10-13-16-11-19	0.0070	0.9960
15-13-24-32-15-17-11-15-13-11-10-23-10-13-15-11-20	0.0070	0.9960
15-13-22-30-17-15-13-17-12-10-11-20-11-11-14-10-19	0.0070	0.9960
17-14-25-32-16-16-11-14-13-10-10-24-11-13-14-9-20	0.0070	0.9960

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* Corresponding author: abida@cemb.edu.pk
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Haplotypes	Frequency	Diversity
15-14-23-30-16-14-13-22-13-10-11-24-12-12-15-11-19	0.0070	0.9960
15-13-23-29-17-14-12-18-14-10-10-24-10-12-16-12-20	0.0070	0.9960
15-13-22-29-17-15-9-16-13-10-11-22-14-11-16-10-19	0.0070	0.9960
15-14-23-30-17-14-14-18-14-10-10-25-10-12-16-11-19	0.0070	0.9960
15-13-24-30-18-15-11-14-13-11-11-23-11-12-14-11-20	0.0070	0.9960
15-15-23-31-17-14-14-18-14-10-10-25-10-12-16-11-19	0.0070	0.9960
15-13-23-29-15-16-12-12-14-10-12-23-13-11-15-11-20	0.0070	0.9960
15-13-22-29-17-15-9-16-12-11-12-24-14-11-16-10-20	0.0070	0.9960
15-14-22-28-17-15-15-15-12-10-12-20-11-12-14-9-19	0.0070	0.9960
15-11-22-27-14-14-13-16-11-10-12-25-14-12-15-10-19	0.0070	0.9960
15-14-23-31-17-14-14-18-14-10-10-25-10-12-16-11-19	0.0070	0.9960
15-14-22-31-17-13-14-14-13-9-12-22-15-10-14-11-19	0.0070	0.9960
15-13-23-30-15-14-14-18-13-9-11-20-11-12-14-9-20	0.0070	0.9960
15-14-25-31-16-15-11-14-13-10-10-23-11-12-14-11-20	0.0070	0.9960
16-13-24-29-16-14-14-15-13-11-11-21-12-11-16-10-21	0.0070	0.9960
15-12-22-28-15-14-13-17-11-11-12-24-14-12-15-10-19	0.0070	0.9960
15-13-22-29-17-15-9-16-13-10-12-22-14-11-16-10-19	0.0070	0.9960
15-13-22-29-18-15-9-16-12-10-12-24-14-11-16-10-20	0.0070	0.9960
15-13-25-30-16-16-12-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
18-13-26-30-15-16-11-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
15-14-23-30-19-14-13-19-14-10-11-25-10-12-15-11-19	0.0070	0.9960
15-13-25-31-17-16-11-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
16-12-22-28-16-17-15-15-13-11-11-22-11-12-16-10-21	0.0070	0.9960
16-14-24-30-16-14-11-14-12-10-12-24-13-12-15-12-18	0.0070	0.9960
16-13-25-30-16-15-11-14-13-10-10-23-11-13-14-12-20	0.0070	0.9960
16-14-26-30-17-15-11-15-13-10-10-23-11-12-14-11-20	0.0070	0.9960
17-13-24-32-16-15-11-15-14-11-10-23-11-13-14-11-20	0.0070	0.9960
15-13-23-29-16-14-12-17-14-10-10-24-10-11-16-11-19	0.0070	0.9960
16-14-25-32-15-16-11-14-13-11-10-23-11-12-14-11-22	0.0070	0.9960
15-13-23-30-16-14-15-16-13-10-11-21-11-11-14-9-20	0.0070	0.9960
16-13-22-29-17-15-14-16-12-11-12-21-11-13-14-9-19	0.0070	0.9960
16-13-23-29-16-15-14-16-13-10-11-22-13-10-14-9-19	0.0070	0.9960
15-13-24-29-17-16-11-14-13-10-10-23-11-12-14-11-20	0.0070	0.9960
15-14-24-32-16-16-11-14-13-11-10-23-11-14-14-11-20	0.0070	0.9960
15-13-25-30-16-16-11-16-13-11-10-23-11-12-14-11-19	0.0070	0.9960
16-14-22-30-17-15-15-19-12-10-12-20-11-12-14-9-19	0.0070	0.9960
15-12-25-29-16-15-11-14-13-11-11-23-11-12-14-11-20	0.0070	0.9960
15-13-26-30-16-17-11-13-13-11-10-23-11-13-14-11-20	0.0070	0.9960
15-14-23-30-16-14-13-18-12-10-12-22-11-12-14-9-20	0.0070	0.9960
15-13-21-29-16-15-16-16-12-10-12-21-11-11-14-8-19	0.0070	0.9960
15-12-24-29-16-15-13-16-14-10-11-22-14-12-14-11-18	0.0070	0.9960

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Haplotypes	Frequency	Diversity
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17-13-22-29-17-15-15-17-12-10-11-21-12-12-14-9-19	0.0070	0.9960
15-12-24-28-16-15-14-17-14-11-11-22-14-12-14-11-18	0.0070	0.9960
15-14-23-30-17-14-14-15-13-11-11-22-13-11-14-9-18	0.0070	0.9960
15-14-25-32-16-15-11-14-13-10-10-24-11-13-14-11-20	0.0070	0.9960
15-13-25-31-16-15-11-11-14-10-10-23-11-13-14-11-20	0.0070	0.9960
15-14-25-31-16-15-11-11-13-10-10-23-11-13-14-11-20	0.0070	0.9960
16-13-23-29-18-14-13-17-14-10-12-24-10-11-16-11-19	0.0070	0.9960
15-13-24-30-18-16-11-14-13-11-10-23-11-12-14-11-20	0.0070	0.9960
15-15-23-33-20-14-13-16-15-10-11-25-10-12-16-11-20	0.0070	0.9960
15-14-23-29-18-14-13-20-13-11-11-24-10-12-16-10-20	0.0070	0.9960
15-12-22-28-15-14-13-16-11-10-13-22-14-12-15-10-19	0.0070	0.9960
15-14-23-31-18-14-13-19-14-10-10-26-10-12-15-11-19	0.0070	0.9960
16-13-22-30-17-15-15-15-13-11-11-20-11-12-14-9-19	0.0070	0.9960
15-15-25-32-17-15-11-17-13-10-10-23-11-12-14-11-19	0.0070	0.9960
14-14-23-30-20-14-15-19-12-11-12-24-11-11-14-9-21	0.0070	0.9960
16-14-25-32-16-15-11-14-13-10-10-23-11-12-14-11-20	0.0070	0.9960
15-14-22-30-17-16-15-19-12-10-11-21-11-13-14-10-18	0.0070	0.9960
14-14-23-30-18-14-15-19-12-10-12-24-11-11-14-9-21	0.0070	0.9960
13-13-23-29-15-14-14-17-13-10-12-21-11-12-15-9-21	0.0070	0.9960
15-13-24-30-17-17-10-15-13-10-10-23-12-12-14-11-21	0.0070	0.9960
15-13-25-31-15-17-10-14-13-10-10-24-11-13-14-11-20	0.0070	0.9960
15-11-24-26-18-14-12-18-13-9-9-22-11-11-14-10-18	0.0070	0.9960
15-14-23-30-17-14-13-19-15-10-11-25-10-12-15-11-19	0.0070	0.9960
15-12-26-30-16-16-12-14-13-11-10-24-11-12-14-11-20	0.0070	0.9960
13-13-22-30-15-14-13-16-14-11-12-18-11-11-14-10-19	0.0070	0.9960
15-13-25-31-16-15-11-14-13-10-10-23-11-12-14-11-20	0.0070	0.9960
15-14-22-30-16-16-13-14-12-10-13-22-11-11-14-10-20	0.0070	0.9960
16-13-26-30-16-14-13-17-13-10-11-23-13-11-14-11-19	0.0070	0.9960
16-13-25-30-15-16-11-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
16-12-22-28-18-15-9-16-12-10-13-24-14-11-15-10-20	0.0070	0.9960
15-13-24-29-15-14-13-13-12-10-12-22-11-11-15-9-21	0.0070	0.9960
17-13-22-29-16-15-15-17-12-10-11-20-12-12-14-9-20	0.0070	0.9960
14-14-23-31-18-14-16-19-12-10-12-24-11-11-14-9-21	0.0070	0.9960
15-14-25-31-16-16-11-14-13-10-11-24-11-13-15-11-20	0.0070	0.9960
13-12-24-28-16-15-13-18-12-9-12-21-11-11-15-9-19	0.0070	0.9960
15-13-25-29-19-16-11-14-13-11-10-23-11-12-14-11-20	0.0070	0.9960
15-13-23-29-17-16-9-16-12-10-13-21-14-11-17-10-19	0.0070	0.9960
17-14-22-30-17-16-15-17-12-10-12-20-11-11-14-9-18	0.0070	0.9960
14-14-23-30-18-14-15-18-12-10-12-25-11-11-14-9-21	0.0070	0.9960
15-13-22-29-17-15-9-16-12-10-12-23-14-11-16-10-20	0.0070	0.9960

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Haplotypes	Frequency	Diversity
15-13-24-30-16-14-14-15-13-10-12-23-11-11-14-9-20	0.0070	0.9960
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13-12-24-29-16-16-13-17-13-10-12-21-11-10-15-9-19	0.0070	0.9960
15-13-24-30-16-16-11-15-13-11-10-23-11-13-14-11-20	0.0070	0.9960
13-14-21-31-17-15-16-19-14-10-11-21-11-12-14-12-21	0.0070	0.9960
15-13-22-29-17-15-16-16-12-11-11-21-11-11-14-8-18	0.0070	0.9960
15-13-25-30-17-16-11-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
15-13-25-30-13-17-11-14-13-11-10-23-11-12-14-11-20	0.0070	0.9960
14-12-25-29-15-15-12-14-13-11-10-23-11-13-14-11-20	0.0070	0.9960
15-14-25-31-15-15-11-14-13-10-10-23-12-11-14-11-20	0.0070	0.9960
16-13-22-29-19-2-14-12-17-12-10-9-21-11-11-14-10-20	0.0070	0.9960
15-14-23-30-16-14-13-13-13-10-11-26-12-11-15-11-19	0.0070	0.9960
15-13-25-29-16-14-11-14-13-11-11-23-11-13-14-11-20	0.0070	0.9960
14-12-23-29-19-15-14-18-13-10-12-21-11-12-15-10-19	0.0070	0.9960
15-12-24-31-17-15-15-15-14-10-12-21-11-12-14-11-17	0.0070	0.9960
15-13-22-29-16-14-16-19-12-10-11-21-15-11-16-10-19	0.0070	0.9960
16-13-22-28-20-15-16-17-12-11-11-21-11-12-14-9-19	0.0070	0.9960
18-13-26-30-16-18-11-15-13-11-10-23-11-12-14-11-20	0.0070	0.9960
15-13-23-29-17-15-14-18-13-11-10-24-10-13-16-11-20	0.0070	0.9960
14-14-25-32-16-15-11-15-13-10-10-23-11-13-14-9-20	0.0070	0.9960
15-12-22-28-15-14-13-17-11-10-11-24-14-12-15-10-19	0.0070	0.9960
16-13-25-29-15-14-13-17-13-9-13-23-13-11-15-11-18	0.0070	0.9960
15-13-25-31-16-16-11-14-13-11-11-23-11-12-14-11-20	0.0070	0.9960