

Supplementary Table 1. Population details

S. No.	Population Code	No. of samples genotyped	Caste/Religious group/Tribe	States where present	Longitude	Latitude
1	AA-C-IP1	46	Tribe	Madhya Pradesh, Maharashtra	79.64	24.1
2	AA-C-IP4	23	Tribe	Madhya Pradesh, Rajasthan, Uttar Pradesh	77.39	23.41
3	AA-C-IP5	23	Tribe	Madhya Pradesh, Chhattisgarh	77.27	24.15
4	AA-E-IP1	49	Tribe	Jharkhand, Bihar, Orissa, West Bengal, Tripura, Assam	88.62	22.36
5	AA-E-IP2	23	Caste	Bihar, Jharkhand, West Bengal, Orissa, Madhya Pradesh, Tripura	85.99	22.76
6	AA-E-IP3	23	Tribe	Orissa	83.26	19.63
7	AA-NE-IP1	44	Caste	Meghalaya, Tripura, Assam	91.66	25.8
8	AA-W-IP1	22	Caste	Madhya Pradesh, Gujarat, Maharashtra, Daman & Diu	75	22.09
9	DR-C-IP1	23	Tribe	Chhattisgarh	82.14	23.35
10	DR-C-IP2	46	Tribe	Chhattisgarh, Madhya Pradesh, Andhra Pradesh, Maharashtra, Bihar, Orissa, Assam	80.94	20.39
11	DR-E-IP1	46	Tribe	Orissa	83.58	21.25
12	DR-S-IP1	21	Tribe	Kerala, Tamil Nadu	76.53	9.42
13	DR-S-IP2	23	Tribe	Andhra Pradesh	78.61	18.02
14	DR-S-IP3	23	Tribe	Karnataka	75.26	13.42
15	DR-S-IP4	23	Tribe	Kerala, Tamil Nadu	75.89	11.46
16	DR-S-LP1	46	Caste	Andhra Pradesh, Tamil Nadu	77.94	14.9
17	DR-S-LP2	46	Caste	Andhra Pradesh	80.13	16.19
18	DR-S-LP3	46	Caste	Tamil Nadu	78.61	9.98
19	DR-S-LP4	23	Caste	Karnataka	75.13	15.39
20	DR-S-LP5	23	Caste	Tamil Nadu, Karnataka, Andhra Pradesh and Kerala	79.33	11.63
21	IE-E-LP1	46	Caste	Jharkhand, West Bengal	84.6	24.01
22	IE-E-LP2	46	Caste	West Bengal, Delhi, Jharkhand, Tripura, Assam, Orissa	87.64	21.91
23	IE-E-LP3	23	Tribe	West Bengal, Bihar, Orissa	88.36	24.15
24	IE-E-LP4	42	Caste	Orissa	86.7	20.8
25	IE-NE-IP1	48	Tribe	Meghalaya, Assam	90.14	25.85
26	IE-NE-LP1	23	Caste	Assam, West Bengal, Tripura, Orissa, Mizoram, Manipur, Meghalaya, Bihar, Madhya Pradesh	90.46	26.6
27	IE-N-IP1	46	Tribe	Himachal Pradesh, Punjab, Haryana	76.55	32.91
28	IE-N-IP2	46	Tribe	Uttaranchal, Uttar Pradesh, Bihar	80.57	28.1

29	IE-N-LP1	46	Caste	Himachal Pradesh, Uttar Pradesh, Bihar, Delhi, Haryana, Punjab, Tripura, Gujarat, Rajasthan, Madhya Pradesh, Orissa, West Bengal, Goa, Daman & Diu	78.12	31.4
30	IE-N-LP10	46	Caste	Uttar Pradesh, Madhya Pradesh, Bihar, Delhi	82.86	27.05
31	IE-N-LP11	46	Tribe	Punjab, Haryana, Delhi, Himachal Pradesh, Jammu & Kashmir, Uttar Pradesh, Bihar, Rajasthan, Gujarat, Maharashtra, Tamil Nadu	74.88	31.57
32	IE-N-LP18	46	Caste	Delhi, Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Himachal Pradesh, Madhya Pradesh, Maharashtra, Karnataka, Andhra Pradesh	76.61	29.72
33	IE-N-LP2	46	Caste	Delhi, Haryana, Uttar Pradesh, Punjab, Rajasthan, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh	76.29	28.57
34	IE-N-LP3	46	Caste	Uttar Pradesh, Jharkhand, Bihar, Madhya Pradesh, Chhattisgarh, Delhi	79.29	27.59
35	IE-N-LP5	23	Caste	Jammu and Kashmir, Delhi	74.21	35.36
36	IE-N-LP6	46	Caste	Uttar Pradesh, Delhi, Bihar, Madhya Pradesh, Rajasthan, Punjab	82.28	25.31
37	IE-N-LP7	46	Caste	Himachal Pradesh, Punjab, Haryana, Delhi, Maharashtra, Uttar Pradesh, Rajasthan, Karnataka	76.16	32.24
38	IE-N-LP8	46	Caste	Uttaranchal, Uttar Pradesh, Gujarat, Rajasthan	79.68	29.85
39	IE-N-LP9	46	Caste	Himachal Pradesh, Punjab, Haryana, Delhi, Orissa, Bihar, West Bengal, Assam, Karnataka, Andhra Pradesh	77	31.01
40	IE-N-SP2	18	Religious group	Punjab, Delhi, Rajasthan	74.43	30.34
41	IE-N-SP3	46	Religious group	Uttar Pradesh	82.95	26.43
42	IE-N-SP4	23	Religious group	Uttar Pradesh	79.46	26.78
43	IE-N-SP5	46	Religious group	Jammu and Kashmir	75.4	34.83
44	IE-S-IP1	46	Tribe	Karnataka	76.51	12.81
45	IE-W-IP1	23	Tribe	Gujarat, Rajasthan, Madhya Pradesh, Maharashtra, Tripura	73.49	27.99
46	IE-W-IP2	23	Tribe	Gujarat, Rajasthan	71.58	24.05
47	IE-W-LP1	23	Caste	Maharashtra	76.42	20.06

48	IE-W-LP2	23	Caste	Maharashtra, Goa, Karnataka	73.62	18.36
49	IE-W-LP3	46	Caste	Rajasthan	73.71	26.4
50	IE-W-LP4	46	Caste	Gujarat	72.36	22.85
51	OG-W-IP	23	Out-group	Gujarat, Maharashtra, Karnataka, Daman and Diu, Andhra Pradesh	70.3	22.23
52	TB-NE-LP1	46	Caste	Manipur, Assam	94.43	25
53	TB-N-IP1	46	Tribe	Himachal Pradesh	78.32	32.16
54	TB-N-SP1	46	Religious group	Jammu & Kashmir, Himachal Pradesh, Sikkim, Arunachal Pradesh, Assam	78.79	33.69
55	TB-N-SP2	46	Religious group	Jammu & Kashmir	77.56	34.85