

Supplementary Materials

Biores Comm. January 2015. 1(1), 32-35.

Genetic Analysis of Y-Chromosome 17 STR in Four Indigenous Populations from Bandarban

Gazi Nurun Nahar Sultana^{1*}, Rokeya Begum¹, M. Asaduzzaman¹, Tanvir Ahmed² and Monira Akhtar³

¹Centre for Advanced Research in Sciences, University of Dhaka, Dhaka-1000, Bangladesh. ²Department of Genetic Engineering and Biotechnology, University of Dhaka, Dhaka-1000, Bangladesh. ³Dristi, Social welfare Non-Government Organization, Dhaka-1000, Bangladesh.

Table S1. Allele frequencies and gene diversity for 17 Y-STR markers in Tanchangya

Allele	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385a	DYS385b	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
9										0.0526	0.0526						0.1333
10									0.0714	0.8421				0.2105			0.2
11							0.2105			0.1053	0.6316		0.5789	0.3684			0.6667
12		0.2857				0.1053	0.0526		0.5714		0.2105			0.3684			
13		0.5714				0.1053	0.3158		0.1429		0.1052		0.1053	0.0526			
14		0.1429				0.6842	0.3158		0.0714				0.3158		0.7059		
15	0.8421				0.1053	0.1053	0.1053		0.1429						0.2353		
16	0.1579				0.2632			0.1052							0.0588		
17					0.1053			0.1579									0.2632
18					0.5263			0.3158									0.0526
19								0.3159									
20								0.1053									0.4210
21												0.3158					0.2105
22			0.0526									0.4210					0.0526
23			0.3158									0.2632					
24			0.5789	0.0526													
25			0.0526														
26				0.0526													
28				0.2632													
29				0.2632													
30				0.3158													
31				0.0526													
GD	0.2807	0.6032	0.5906	0.7953	0.6667	0.5263	0.7836	0.7953	0.6570	0.2924	0.2924	0.6901	0.5848	0.7193	0.4675	0.5254	0.7426

GD = Gene diversity

Table S2 Allele frequencies and gene diversity for 17 Y-STR markers in Mro.

Allele	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385	DYS385	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
10										0.6	0.2					0.4667	
11							0.2667			0.4			0.2667	0.6		0.5333	
12		0.5333					0.4667		0.5333		0.3333			0.4			
13		0.2667				0.2	0.2667				0.2		0.2		0.2		
14	0.1333	0.2				0.2			0.4667		0.2667		0.2		0.2667		
15	0.7333					0.4									0.5333		
16	0.1333					0.2							0.3333				
18								0.6									
19								0.4									0.1333
20												0.5333					0.4
21												0.4667					0.2667
22																	0.2
23			0.1429														
24			0.7143														
27				0.3333	0.2857												
28			0.1429	0.1333	0.2857												
29				0.2	0.2857												
30				0.3333	0.1429												
GD	0.4571	0.6476	0.4810	0.7714	0.7871	0.771	0.6857	0.5142	0.5333	0.5143	0.7905	0.5333	0.7905	0.5143	0.6476	0.5333	0.7809

GD = Gene diversity

Table S3 Allele frequencies and gene diversity for 17 Y-STR markers in Khyang.

Allele	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385	DYS385	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
10										0.7273							
11										0.2727				0.0909		1	
12		0.7273					0.1818		1		0.3			0.9091			
13		0.2727					0.8182				0.6						
14						0.9091					0.1		0.9091				
15	0.9091					0.0909									1		
16	0.0909																
18					1			0.1818									
19								0.8182									
20																	1
21												0.9091					
22												0.0909					
24			1										0.0909				
27				0.5455													
28				0.4545													
GD	0.1818	0.4364	0	0.5455	0	0.1818	0.3273	0.3273	0	0.4364	0.594	0.1818	0.1818	0.1818	0	0	0

GD = Gene diversity

Table S4 Allele frequencies and gene diversity for 17 Y-STR markers in Khumi.

Allele	DYS456	DYS389I	DYS390	DYS389II	DYS458	DYS19	DYS385	DYS385	DYS393	DYS391	DYS439	DYS635	DYS392	Y GATA H4	DYS437	DYS438	DYS448
10										0.3							
11										0.7						1	
12		0.8							1		0.8889			1			
13						0.1	1										
14		0.2				0.9							1				
15	0.9															1	
16	0.1																
17								0.1									
18					1			0.8									
19								0.1			0.1111						
20																	1
21													1				
23			0.1														
24			0.9														
27				0.1													
28				0.6													
29				0.3													
GD	0.2	0.3556	0.2	0.6	0	0.2	0	0.3778	0	0.4667	0.2195	0	0	0	0	0	0

GD = Gene diversity