## FOR THE RECORD

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## Allele Frequencies of HLADQA1 and PM in Istanbul (Turkey) Population

POPULATION: Istanbul, Turkey

**KEYWORDS:** forensic science, DNA typing, population genetics, polymerase chain reaction, Istanbul, Turkey, HLADQA1, LDLR, GYPA, HBGG, D7S8, GC

Blood samples were obtained from randomly selected, healthy, unrelated individuals from both sexes and were examined in order to estimate the allele and genotype frequencies of HLADQA1, LDLR, GYPA, HBGG, D7S8, GC loci. DNA was extracted using Chelex 100 extraction method (1). The amplification was carried out according to the instructions of Amplitype PM+DQA1 PCR amplification kit. The samples were typed for HLADQA1/PM loci using the Amplitype PM+DQA1 kit (Perkin Elmer, Foster City, CA) as per the manufacturer's instructions. The statistical analysis was done by the gene count method and it revealed no significant

TABLE 1—Observed allele frequencies of HLADQA1 locus in the population of Istanbul (112 individuals).

Allele $N = 112$	Frequency	
1.1 1.2 1.3 2 3 4.1 4.2/4.3 $\Sigma^2$	0.143 0.151 0.089 0.107 0.107 0.366 0.018 18.21	

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TABLE 2—Observed allele frequencies of PM loci in the population of Istanbul.

Allele	LDLR $ N = 138$	GYPA $N = 136$	$\begin{array}{c} \text{HBGG} \\ N = 128 \end{array}$	D7S8 $N = 134$	GC N = 134
Α	0.391	0.602	0.453	0.590	0.343
В	0.609	0.397	0.523	0.410	0.187
C			0.024		0.470
$\Sigma^2$	3.200	1.522	1.460	0.042	6.346

deviation from Hardy-Weinberg expectations. The complete data including the comparison with various Turkish and different populations (2) and the statistical parameters of medico/legal interest are available at http://istanbul.edu.tr/enstituler/forensic/popgen-04.htm.

## References

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