## FOR THE RECORD

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## Distribution of HLA-DQA1 and Amplitype PM Locus Alleles in Aegean Region of Turkey

**POPULATION:** Unrelated individuals from Aegean Region of Turkey.

**KEYWORDS:** forensic science, DNA typing, population genetics, polymerase chain reaction, DQA1, LDLR, GYPA, HBGG, D7S8, GC, Aegean Region, Turkey

The samples were collected from unrelated individuals randomly selected from criminal cases. The DNA was extracted from fresh blood leucocytes, bloodstains, and single hairs by Chelex 100 method (1).

The extracted DNA was quantitated according to the quantification procedure (2). Slot-blot hybridization was done using the Quantiblot<sup>®</sup> Human DNA Quantitation Kit (Perkin Elmer, Norwalk, CT).

The samples (2 ng targed DNA) were typed for HLA-DQA1/ PM loci by using the Amplitype PM and DQA1 kit as per the manufacturer's instructions (3). The samples were amplified us-

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Exact tests were performed by using the computer program GDA for checking the Hardy-Weinberg expectations (4). Data were analyzed by PowerStats (5).

The dataset can be accessed at http://hadicakir.medyatext.gen.tr.

## References

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						HLA-DQA1						
			N =	147	Allele		Fı	Frequency				
		Ho He P* P** PD PEP PIC TPI			1. 1. 1. 2 3 4	.1 2 3		$\begin{array}{c} 0.085\\ 0.119\\ 0.102\\ 0.095\\ 0.228\\ 0.371\\ 0.789\\ 0.772\\ 0.664\\ 0.067\\ 0.910\\ 0.579\\ 0.74\\ 2.37\end{array}$				
N 121	LDLR		GYPA		HBGG		D7S8		7S8	GC		
N = 131 Allele	А	В	A	В	А	В	С	А	В	А	В	С
Frequency Ho He P* PD PEP PIC TPI Combined PE Combined PD PI <sub>tot</sub>	$\begin{array}{c} 0.401\\ 0.481\\ 0.482\\ 0.843\\ 1.000\\ 0.614\\ 0.171\\ 0.36\\ 0.96 \end{array}$	0.599	$\begin{array}{c} 0.603\\ 0.458\\ 0.481\\ 0.471\\ 0.723\\ 0.622\\ 0.153\\ 0.36\\ 0.92 \end{array}$	0.397	0.469 0.580 0.512 0.121 0.248 0.600 0.268 0.39 1.19 0.7808 0.9995 1/2016	0.519	0.012	$\begin{array}{c} 0.615\\ 0.481\\ 0.476\\ 0.949\\ 1.000\\ 0.608\\ 0.171\\ 0.36\\ 0.96 \end{array}$	0.385	$\begin{array}{c} 0.267\\ 0.664\\ 0.603\\ 0.119\\ 0.219\\ 0.759\\ 0.375\\ 0.53\\ 1.49\end{array}$	0.195	0.538

 TABLE 1—Observed alleles frequencies for HLA-DQA1/PM loci in Aegean Region of Turkey.

Ho: (observed heterozygosity), He: (expected heterozygosity), P\*: Heterozygosity;  $\chi^2 \mid_{df}$  based on unbiased estimate with 3200 shufflings), P\*\*: exact test; based on 3200 shufflings), PD: (power of discrimination), PEP: (excluding probability of paternity), PIC: (polymorphism information content), PI: (Probability of identity).