FOR THE RECORD

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Gene Frequencies for Six STR Loci in a Chilean Population of Mixed Ancestry*

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Blood samples were randomly collected in the blood bank of the Hospital San Jose from 72 unrelated donors. DNA was ex-

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tracted by the organic method described by Comey et al. (1). Six STR loci were amplified using 1 ng of DNA for each PCR reaction, and the fragments electrophoresed through 6% acrylamide gels and silver stained, according to the manufacturer's recommendations (2). The gene frequencies were calculated by simple counting, and the unbiased heterozygosity was estimated according to methods described previously (3,4). The expected and observed gene frequencies were compared using a homogeneity χ^2 test (4,5). Original data is available upon request from the corresponding author.

TABLE 1—*Gene frequencies and Hardy-Weinberg equilibrium for the F13A01, FESFPS, vWA, CSF1PO, TPOX and TH01 loci in a blood donor sample from the hospital San José in Santiago, Chile.*

	F13A01	FESFPS	VWA	CSF1PO	TPOX	TH01
Homozygotes	19	28	15	14	17	22
Heterozygotes	53	43	56	56	53	48
Total	72	71	71	70	70	70
Allele	G.F.	G.F.	G.F.	G.F.	G.F.	G.F.
3.2	0.2500					
4.0	0.1528					
5.0	0.1458					
6.0	0.1182					0.3286
7.0	0.3194	0.0141				0.2571
8.0		0.0352			0.4929	0.0929
9.0		0.0070		0.0357	0.1000	0.1071
9.3						0.1929
10		0.2465		0.3000	0.0286	0.0214
11		0.3803	0.0070	0.2857	0.2428	
12		0.2606		0.3286	0.1071	
13		0.0423		0.0500	0.0286	
14		0.0140	0.0634			
15	0.0069		0.0634			
16	0.0069		0.3239			
17			0.2676			
18			0.2113			
19			0.0493			
20			0.0141			
21						
Total	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
% observed homozygosity	26.39	39.44	21.13	20.00	31.43	24.29
% expected homozygosity	22.32	27.68	23.19	28.34	32.51	23.18
computed χ^2	0.6890	4.90	0.1690	2.3960	2.1560	2.6710
p-value	0.4070	0.0270*	0.6810	0.1220	0.1420	0.1020

* Indicate statistical significance with $p < 0.05$.

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