SHORT TANDEM REPEAT LOCI: CSF1PO, TPOX, THO1, F13A01, FESFPS, VWA, F13B AND LPL ALLELE FREQUENCIES IN ARGENTINE POPULATION

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We studied allele frequencies of 8 STRs loci analyzed by commercially available kits for typing STRs loci, *GenePrint*® by Promega Corporation in our Laboratory to determine biological relationships. These markers are used in parentage testing and forensic caseworks. We must take into account the importance of own population frequencies. The data obtained are as follows:

CSF1PO		F13A01		F13B		FESFPS	
ALLELE	FREQUE	ALLELE	FREQUE	ALLELE	FREQUE	ALLELE	FREQUE
8	0,007	3,2	0,083	6	0,09	8	0,02
9	0,08	4	0,096	8	0,244	10	0,243
10	0,26	5	0,167	9	0,244	11	0,5
11	0,287	6	0,269	10	0,417	12	0,169
12	0,287	7	0,321	11	0,006	13	0,047
13	0,08	8	0,032			14	0,02
		12	0,006				
		15	0,019				
		16	0,006				
LPL		THO1		TPOX		VWA	
ALLELE	FREQUE	ALLELE	FREQUE	ALLELE	FREQUE	ALLELE	FREQUE
9	0,045	6	0,269	8	0,487	14	0,115
10	0,416	7	0,199	9	0,114	15	0,128
11	0,221	8	0,103	10	0,051	16	0,244
12	0,266	9	0,218	11	0,278	17	0,327
13	0,032	9,3	0,192	12	0,07	18	0,135
14	0,019	10	0,013			19	0,038
		11	0,006			20	0,013

All allele frequencies obtained exhibit high levels of heterozygosity and discrimination power. The value of that statistical parameters confirm the usefulness of these systems for human identification.