

HLA allele	Frequency (%)	Gene frequency
B*5501	2.1	0.011
B*5502	0	0
B*5503	0	0
B*5504	0	0
B*5505	0	0
B*56	0	0
B*5601	0	0
B*5602	0	0
B*5603	0	0
B*5604	0	0
B*5605	0	0
B*57	4.2	0.021
B*5701	1.1	0.005
B*5702	1.1	0.005
B*5703	2.1	0.011
B*5704	0	0
B*5705	0	0
B*58	5.3	0.026
B*5801	4.2	0.021
B*5802	1.1	0.005
B*59	0	0
B*5901	0	0
B*67	1.1	0.005
B*6701	1.1	0.005
B*73	0	0
B*7301	0	0
B*78	0	0
B*7801	0	0
B*7802	0	0
B*7803	0	0
B*81	1.1	0.005
B*8101	1.1	0.005
B*82	0	0
B*8201	0	0

HLA haplotype	Frequency (%)
A*0101-B*0801	3.2
A*0201-B*0702	2.1
A*0201-B*1801	3.2
A*0201-B*2702	1.1
A*0201-B*3503	1.8
A*0201-B*4001	1.1
A*0201-B*4402	1.1
A*0201-B*5001	3.2
A*0201-B*5101	3.7
A*0301-B*0702	1.7
A*0301-B*1402	1.1
A*0301-B*1801	1.6
A*0301-B*4201	1.1
A*0301-B*4403	1.1
A*1101-B*1402	1.1
A*2301-B*4901	1.1
A*2301-B*5101	1.1
A*2402-B*0801	1.6
A*2402-B*3503	1.6
A*2402-B*3906	1.6
A*2402-B*4002	1.1

HLA haplotype	Frequency (%)
A*2402-B*5101	1.4
A*2601-B*3801	1.2
A*2902-B*4403	1.6
A*3001-B*4201	1.6
A*3002-B*1801	1.1
A*3101-B*4001	1.1
A*3301-B*1402	2.6
A*6801-B*0801	1.1
A*6801-B*4501	1.6

## HLA-DQA1, -DQB1 and -DRB1 Alleles in a Guarani Kaiowá Population from Brazil

L. T. Tsuneto, C. M. Probst, M. H. Hutz, F. M. Salzano, L. A. Rodriguez-Delfin, M. A. Zago, K. Hill, A. M. Hurtado, A. K. Ribeiro-dos-Santos and M. L. Petzl-Erler\*

*Laboratorio de Genética Molecular Humana, Departamento de Genética, Universidade Federal do Paraná, Curitiba, PR, Brazil*  
E-mail: \*perler@ufpr.br

This Amerindian population from Brazil was contacted in the indigenous reservations Amambaí and Limão Verde, Latitude 23°S, Longitude 55°W. The population sample consisted of 155 Guarani Kaiowá individuals, who were drawn from a rural environment. HLA alleles were determined using sequence specific oligonucleotide probes. The results have previously been published in *Tissue Antigens* 62, 512–526, 2003. *Human Immunology* 65, 870–871 (2004). © American Society for Histocompatibility and Immunogenetics, 2004. Published by Elsevier Inc.

HLA allele	Gene frequency
DQA1*01	0
DQA1*0101	0
DQA1*0102	0
DQA1*0103	0
DQA1*0104	0
DQA1*02	0
DQA1*0201	0
DQA1*03	0.229
DQA1*04	0.223
DQA1*0401	0.223
DQA1*05	0.548
DQA1*0501	0.548

HLA allele	Gene frequency
DQA1*06	0
DQA1*0601	0
DQB1*02	0
DQB1*0201	0
DQB1*03	0.816
DQB1*0301	0.548
DQB1*0302	0.168
DQB1*0303	0.1
DQB1*030302	0.1
DQB1*0304	0
DQB1*0305	0
DQB1*04	0.184
DQB1*0401	0
DQB1*0402	0.184
DQB1*05	0
DQB1*0501	0
DQB1*0502	0
DQB1*0503	0
DQB1*0504	0
DQB1*06	0
DQB1*0601	0
DQB1*0602	0
DQB1*0603	0
DQB1*0604	0
DQB1*0605	0
DRB1*01	0
DRB1*0101	0
DRB1*0102	0
DRB1*0103	0
DRB1*03	0
DRB1*04	0.129
DRB1*0401	0
DRB1*0402	0
DRB1*0403	0
DRB1*0404	0.003
DRB1*0405	0
DRB1*0406	0
DRB1*0407	0.084
DRB1*0408	0
DRB1*0411	0.042
DRB1*0417	0
DRB1*07	0
DRB1*08	0.222
DRB1*0801	0
DRB1*0802	0.103
DRB1*0803	0
DRB1*0804	0.003
DRB1*0807	0.116
DRB1*09	0.1
DRB1*090102	0.1
DRB1*10	0
DRB1*11	0
DRB1*1101	0
DRB1*1102	0
DRB1*1104	0
DRB1*12	0
DRB1*13	0

HLA allele	Gene frequency
DRB1*1301	0
DRB1*1302	0
DRB1*1303	0
DRB1*1304	0
DRB1*1305	0
DRB1*14	0.209
DRB1*1401	0
DRB1*1402	0.206
DRB1*1406	0
DRB1*1408	0
DRB1*1409	0
DRB1*1413	0.003
DRB1*15	0
DRB1*1501	0
DRB1*1502	0
DRB1*1503	0
DRB1*1505	0
DRB1*1506	0
DRB1*1507	0
DRB1*1508	0
DRB1*16	0.339
DRB1*1601	0
DRB1*1602	0.339

---

## HLA-DQA1, -DQB1 and -DRB1 Alleles in a Guarani Nandeva Population from Brazil

L. T. Tsuneto, C. M. Probst,  
M. H. Hutz, F. M. Salzano,  
L. A. Rodriguez-Delfin, M. A. Zago,  
K. Hill, A. M. Hurtado,  
A. K. Ribeiro-dos-Santos and  
M. L. Petzl-Erler\*

*Laboratorio de Genetica Molecular Humana,  
Departamento de Genetica, Universidade Federal do  
Parana, Curitiba, PR, Brazil  
E-mail: \* perler@ufpr.br*

---

This Amerindian population from Brazil was contacted in the indigenous reservations Amambaí and Porto Lindo, Latitude 23°S, Longitude 54°W. The population sample consisted of 86 Guarani Nandeva individuals, who were drawn from a rural environment. HLA alleles were determined using sequence specific oligonucleotide probes. The results have previously been published in *Tissue Antigens* 62, 512–526, 2003. *Human Immunology* 65, 871–872 (2004). © American Society for Histocompatibility and Immunogenetics, 2004. Published by Elsevier Inc.