HLA-DRB1 Locus Rare Allele List

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The number of times any listed allele was specifically tested for is unknown.

Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*0104	0	3	6	0	0	1	10	X		1993.02.26
DRB1*0105	0	0	4	0	0	0	4	X		1998.08.18
DRB1*0107	0	0	4	0	0	0	4	X		2000.08.17
DRB1*0108	0	0	0	1	0	0	1	X		2001.05.30
DRB1*0109	0	1	0	0	0	0	1	X		2002.08.30
DRB1*0110	0	0	0	0	0	0	0		X	2002.10.25
DRB1*0111	1	0	0	0	0	0	1	X		2003.09.22
DRB1*0112	0	0	0	0	0	0	0		X	2004.12.20
DRB1*0113	0	0	0	0	0	0	0		X	2005.04.29
DRB1*0114	0	0	0	0	0	0	0		X	2006.03.22
DRB1*0115	0	0	0	0	0	0	0		X	2006.03.22
DRB1*0116	0	0	0	0	0	0	0		X	2006.09.27
DRB1*0306	4	0	10	1	0	1	16	X		1995.09.07
DRB1*0309	0	0	0	0	0	0	0		X	1996.03.26
DRB1*0310	0	1	4	0	0	0	5	X		1996.10.25
DRB1*0311	0	1	6	3	1	0	11	X		1996.12.29
DRB1*0312	1	0	3	0	0	3	7	X		1998.08.19
DRB1*0313	0	0	5	3	0	2	10	X		1998.12.09
DRB1*0314	1	0	1	0	0	0	2	X		1999.02.16
DRB1*0316	0	0	0	3	0	0	3	X		1999.11.25
DRB1*0317	0	0	2	0	1	0	3	X		1999.11.25
DRB1*0318	0	0	0	0	0	0	0		X	2000.11.22
DRB1*0319	1	0	1	0	0	0	2	X		2001.01.31
DRB1*0320	1	0	1	1	0	0	3	X		2001.03.20
DRB1*0321	0	0	0	0	0	0	0		X	2001.08.29
DRB1*0322	0	0	0	0	0	0	0		X	2001.12.20
DRB1*0323	0	0	0	0	0	0	0		X	2002.06.27
DRB1*0324	0	0	2	0	0	0	2	X		2002.11.28
DRB1*0325	0	0	0	0	0	0	0		X	2002.12.12
DRB1*0326	0	0	0	0	0	0	0		X	2004.02.27
DRB1*0327	0	0	0	0	0	0	0		X	2004.05.20
DRB1*0328	0	0	1	0	0	0	1	X		2004.05.20
DRB1*0329	0	0	0	0	0	0	0		X	2006.01.27
DRB1*0330	0	0	0	0	0	0	0		X	2006.06.30
DRB1*0331	0	0	0	0	0	0	0		X	2006.06.30
DRB1*0412	0	8	2	1	0	0	11	X		1991.11.14
DRB1*0416	0	0	8	0	0	0	8	X		1993.02.04
DRB1*0419	0	0	4	8	0	0	12	X		1993.07.29
DRB1*0420	0	0	1	0	0	0	1	X		1994.05.19
DRB1*0421	0	0	2	0	0	0	2	X		1994.08.16
DRB1*0423	1	0	0	6	0	1	8	X		1996.01.15
DRB1*0424	3	1	4	6	0	3	17	X		1996.07.28
DRB1*0425	0	0	0	1	0	0	1	X		1997.03.03
DRB1*0426	0	0	11	0	0	0	11	X		1997.10.10
DRB1*0427	1	0	5	5	0	0	11	X		1997.12.09

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*0428	0	0	0	0	0	0	0		X	1998.03.06
DRB1*0429	0	0	0	0	0	0	0		X	1998.03.06
DRB1*0430	0	0	0	0	0	0	0		X	1998.08.18
DRB1*0431	0	0	3	2	0	0	5	X		1998.08.18
DRB1*0432	0	2	6	4	0	1	13	X		1998.08.19
DRB1*0433	0	0	6	0	0	0	6	X		1999.06.25
DRB1*0434	0	0	4	1	0	1	6	X		1999.11.29
DRB1*0435	1	0	17	0	1	0	19	X		2000.03.31
DRB1*0436	0	1	1	0	0	0	2	X		2000.05.10
DRB1*0437	0	0	1	0	0	0	1	X		2000.10.25
DRB1*0438	0	0	7	1	0	2	10	X		2000.10.25
DRB1*0439	0	0	3	0	0	0	3	X		2001.02.20
DRB1*0440	0	0	12	1	0	3	16	X		2001.03.20
DRB1*0441	0	12	0	0	0	1	13	X		2001.02.27
DRB1*0442	0	0	0	0	0	1	1	X		2001.03.20
DRB1*0443	0	0	0	1	0	0	1	X		2001.08.29
DRB1*0444	1	1	1	0	0	0	3	X		2002.04.28
DRB1*0445	0	0	0	0	0	0	0		X	2002.12.12
DRB1*0446	0	0	0	0	0	0	0		X	2003.05.22
DRB1*0447	0	0	0	0	0	0	0		X	2003.07.22
DRB1*0448	0	0	0	0	0	0	0		X	2003.08.20
DRB1*0449	0	0	0	0	0	0	0		X	2003.09.22
DRB1*0450	0	0	2	0	0	0	2	X		2003.10.24
DRB1*0451	0	1	0	0	0	0	1	X		2004.12.13
DRB1*0452	0	0	0	0	0	0	0		X	2004.12.20
DRB1*0453	0	0	6	0	0	2	8	X		2005.03.22
DRB1*0454	0	0	0	1	0	0	1	X		2005.07.26
DRB1*0455	0	0	0	0	0	0	0		X	2005.07.26
DRB1*0456	0	0	0	0	0	0	0		X	2005.07.26
DRB1*0457	0	0	0	0	0	0	0		X	2006.02.22
DRB1*0458	0	0	0	0	0	0	0		X	2006.04.28
DRB1*0459	0	0	0	0	0	0	0		X	2006.05.31
DRB1*0460	0	0	0	0	0	0	0		X	2006.06.30
DRB1*0461	0	0	0	0	0	0	0		X	2006.10.30
DRB1*0462	0	0	0	0	0	0	0		X	2006.11.29
DRB1*0463	0	0	0	0	0	0	0		X	2006.12.23
DRB1*0704	0	1	3	0	0	1	5	X		1998.03.05
DRB1*0705	1	0	7	1	0	1	10	X		2000.01.31
DRB1*0706	0	0	0	0	0	0	0		X	2001.08.29
DRB1*0707	0	0	3	0	0	1	4	X		2002.08.30
DRB1*0708	1	0	0	0	0	0	1	X		2003.07.31
DRB1*0709	0	0	0	0	0	0	0		X	2004.10.31
DRB1*0710N	0	0	0	0	0	0	0		X	2005.05.31
DRB1*0711	0	0	0	4	0	0	4	X		2006.03.22
DRB1*0712	0	0	0	0	0	0	0		X	2006.11.29

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*0808	16	0	2	1	0	1	20	X		1993.11.05
DRB1*0812	0	6	4	0	0	1	11	X		1995.07.26
DRB1*0814	0	12	4	1	0	3	20	X		1996.03.19
DRB1*0815	0	0	0	0	0	0	0		X	1996.07.28
DRB1*0816	0	0	0	0	0	0	0		X	1996.10.21
DRB1*0817	0	1	7	0	0	1	9	X		1997.03.24
DRB1*0819	0	1	0	0	0	0	1	X		1997.10.03
DRB1*0820	3	0	1	0	0	0	4	X		1998.03.16
DRB1*0821	0	0	0	0	0	0	0		X	1998.06.26
DRB1*0822	0	0	2	0	0	1	3	X		2000.07.31
DRB1*0823	0	0	0	0	0	0	0		X	2000.12.11
DRB1*0824	0	0	2	0	0	0	2	X		2001.04.26
DRB1*0825	0	0	0	0	0	0	0		X	2003.04.30
DRB1*0826	0	0	0	0	0	0	0		X	2003.09.22
DRB1*0827	0	1	0	0	0	0	1	X		2003.10.24
DRB1*0828	0	0	1	0	0	0	1	X		2004.01.28
DRB1*0829	0	0	0	0	0	0	0		X	2004.04.30
DRB1*0830	0	0	0	0	0	1	1	X		2004.10.31
DRB1*0831	0	0	0	0	0	0	0		X	2005.10.25
DRB1*0832	0	0	0	0	0	0	0		X	2005.11.21
DRB1*0902	0	1	1	0	0	0	2	X		2001.07.31
DRB1*0903	0	1	0	0	0	0	1	X		2003.12.15
DRB1*0904	0	1	0	0	0	0	1	X		2004.10.31
DRB1*0905	0	0	0	0	0	0	0		X	2005.04.29
DRB1*0906	0	0	0	0	0	0	0		X	2006.09.27
DRB1*1116	6	1	3	1	0	1	12	X		1994.08.12
DRB1*1118	0	8	6	1	0	3	18	X		1994.11.03
DRB1*1120	2	0	5	1	0	0	8	X		1995.05.09
DRB1*1121	1	1	0	0	0	0	2	X		1995.05.10
DRB1*1122	0	1	10	0	0	1	12	X		1995.05.19
DRB1*1123	0	1	2	0	0	0	3	X		1995.06.25
DRB1*1125	2	0	5	0	0	0	7	X		1995.11.07
DRB1*1126	0	0	9	0	0	0	9	X		1996.01.15
DRB1*1127	0	0	10	1	0	1	12	X		1996.02.28
DRB1*1128	2	0	5	2	0	1	10	X		1996.06.21
DRB1*1129	0	1	4	1	0	0	6	X		1996.10.21
DRB1*1130	0	0	2	0	0	0	2	X		1996.12.29
DRB1*1131	0	1	1	0	0	0	2	X		1997.03.03
DRB1*1132	1	0	8	0	0	1	10	X		1998.03.16
DRB1*1133	0	1	6	0	0	0	7	X		1998.06.30
DRB1*1134	0	0	16	0	0	1	17	X		1998.09.28
DRB1*1135	0	0	0	0	0	0	0		X	1998.12.26
DRB1*1137	2	2	3	2	0	0	9	X		1999.11.25
DRB1*1138	0	0	1	0	0	0	1	X		2000.03.31
DRB1*1139	0	0	11	1	0	0	12	X		2000.06.20

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DRB1*1140	0	0	2	0	0	1	3	X		2000.06.20
DRB1*1141	0	0	1	1	2	0	4	X		2000.07.31
DRB1*1142	0	0	2	0	0	1	3	X		2001.02.26
DRB1*1144	0	0	0	0	0	0	0		X	2003.07.22
DRB1*1145	0	0	0	9	0	2	11	X		2003.07.31
DRB1*1146	0	0	1	0	0	0	1	X		2003.08.19
DRB1*1148	4	0	0	0	0	0	4	X		2003.10.24
DRB1*1149	0	0	0	0	0	1	1	X		2003.12.15
DRB1*1150	0	0	0	0	0	0	0		X	2004.02.27
DRB1*1151	0	0	0	2	0	0	2	X		2004.04.30
DRB1*1152	0	0	2	0	0	0	2	X		2004.05.20
DRB1*1153	0	0	1	0	0	0	1	X		2004.06.25
DRB1*1154	0	1	0	0	0	0	1	X		2004.07.31
DRB1*1155	0	0	0	0	0	0	0		X	2006.02.22
DRB1*1156	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1157	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1158	0	0	0	0	0	0	0		X	2006.11.29
DRB1*1159	0	0	0	0	0	0	0		X	2006.11.29
DRB1*1160	0	0	0	0	0	0	0		X	2006.11.29
DRB1*1206	0	0	3	0	0	0	3	X		1998.11.25
DRB1*1207	1	0	0	0	0	0	1	X		2000.11.22
DRB1*1208	0	10	0	0	0	0	10	X		2001.05.30
DRB1*1209	0	0	0	0	0	0	0		X	2003.09.29
DRB1*1210	0	0	0	0	0	0	0		X	2004.05.24
DRB1*1211	0	0	0	0	0	0	0		X	2004.12.20
DRB1*1212	0	0	0	0	0	0	0		X	2005.02.18
DRB1*1213	0	0	0	0	0	0	0		X	2005.11.21
DRB1*1214	0	0	0	0	0	0	0		X	2006.02.22
DRB1*1215	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1317	1	0	5	0	0	0	6	X		1994.10.17
DRB1*1322	1	0	13	0	0	0	14	X		1995.05.18
DRB1*1323	6	0	0	0	0	0	6	X		1995.11.10
DRB1*1325	0	0	6	2	0	1	9	X		1996.05.07
DRB1*1326	0	0	1	3	0	1	5	X		1996.05.27
DRB1*1328	0	0	2	2	0	0	4	X		1996.07.17
DRB1*1329	1	0	6	0	0	2	9	X		1996.10.26
DRB1*1330	0	0	0	0	0	0	0		X	1996.12.11
DRB1*1332	1	0	1	0	0	0	2	X		1997.06.02
DRB1*1333	0	0	1	0	0	0	1	X		1997.10.10
DRB1*1334	0	0	0	0	0	0	0		X	1998.09.01
DRB1*1335	1	0	0	0	0	0	1	X		1999.06.09
DRB1*1338	11	0	5	0	0	1	17	X		1999.11.25
DRB1*1339	1	3	2	0	0	1	7	X		1999.11.29
DRB1*1340	0	0	5	12	0	3	20	X		2000.01.31
DRB1*1341	3	0	1	0	0	0	4	X		2000.02.23

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*1342	0	0	6	0	0	2	8	X		2000.03.31
DRB1*1343	0	0	1	0	0	0	1	X		2000.03.31
DRB1*1344	0	0	1	0	0	0	1	X		2000.03.31
DRB1*1345	1	0	0	0	0	0	1	X		2000.05.10
DRB1*1346	0	0	0	0	0	0	0		X	2000.10.25
DRB1*1347	0	1	0	0	0	1	2	X		2000.10.25
DRB1*1348	0	0	0	0	0	0	0		X	2001.02.26
DRB1*1350	0	3	0	0	0	0	3	X		2001.10.31
DRB1*1351	0	0	1	0	0	0	1	X		2002.04.28
DRB1*1352	1	0	2	0	0	1	4	X		2002.07.31
DRB1*1353	0	0	1	1	0	0	2	X		2002.08.30
DRB1*1354	0	0	1	0	0	0	1	X		2002.08.30
DRB1*1355	0	0	0	0	0	0	0		X	2002.11.28
DRB1*1356	0	0	4	1	0	1	6	X		2003.04.30
DRB1*1357	0	0	0	0	0	0	0		X	2003.04.30
DRB1*1358	0	0	0	0	0	0	0		X	2003.04.30
DRB1*1360	0	0	0	0	0	0	0		X	2003.06.13
DRB1*1361	0	1	0	0	0	0	1	X		2003.07.31
DRB1*1362	0	0	0	0	0	0	0		X	2003.09.22
DRB1*1363	0	0	0	0	0	0	0		X	2004.01.28
DRB1*1364	0	0	0	0	0	0	0		X	2004.05.20
DRB1*1365	0	0	0	0	0	0	0		X	2004.08.25
DRB1*1366	0	0	0	0	0	0	0		X	2004.10.31
DRB1*1367	0	0	0	0	0	0	0		X	2004.11.29
DRB1*1368	0	0	0	0	0	0	0		X	2005.04.29
DRB1*1369	1	0	0	0	0	0	1	X		2005.07.26
DRB1*1370	0	0	0	0	0	0	0		X	2005.10.25
DRB1*1371	0	0	0	0	0	0	0		X	2005.11.21
DRB1*1372	0	0	0	0	0	0	0		X	2006.04.28
DRB1*1373	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1374	0	0	0	0	0	0	0		X	2006.06.30
DRB1*1375	0	0	0	0	0	0	0		X	2006.10.30
DRB1*1414	0	2	0	0	0	0	2	X		1993.08.09
DRB1*1426	0	0	0	0	0	0	0		X	1996.07.28
DRB1*1427	0	2	0	3	0	3	8	X		1996.07.28
DRB1*1428	1	16	0	1	0	0	18	X		1996.10.21
DRB1*1429	0	10	0	0	1	4	15	X		1996.10.26
DRB1*1430	0	0	0	0	0	0	0		X	1997.04.11
DRB1*1431	0	1	0	0	0	0	1	X		1997.10.30
DRB1*1432	1	0	2	0	0	0	3	X		1998.12.09
DRB1*1433	0	12	4	1	0	2	19	X		1998.12.26
DRB1*1434	0	1	0	0	0	0	1	X		1999.11.29
DRB1*1435	0	0	2	1	0	0	3	X		1999.11.29
DRB1*1436	0	0	0	0	0	0	0		X	1999.11.29
DRB1*1437	0	0	0	0	0	0	0		X	2000.03.02

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DRB1*1438	0	0	0	1	0	0	1	X		2000.12.11
DRB1*1439	0	3	0	0	0	0	3	X		2000.12.11
DRB1*1440	0	0	0	0	0	0	0		X	2000.12.11
DRB1*1441	0	0	1	5	0	1	7	X		2001.08.29
DRB1*1442	4	0	0	0	0	0	4	X		2001.10.31
DRB1*1443	0	0	0	0	0	0	0		X	2002.01.25
DRB1*1444	0	3	0	0	0	0	3	X		2002.08.30
DRB1*1445	0	0	0	0	0	0	0		X	2002.08.30
DRB1*1446	0	0	0	0	0	0	0		X	2002.12.16
DRB1*1447	0	0	1	0	1	0	2	X		2003.04.30
DRB1*1449	0	0	0	0	0	0	0		X	2005.02.18
DRB1*1450	0	0	0	0	0	0	0		X	2005.05.31
DRB1*1451	0	0	0	0	0	0	0		X	2005.05.31
DRB1*1452	0	0	0	1	0	0	1	X		2005.05.31
DRB1*1453	0	0	0	0	0	0	0		X	2005.09.23
DRB1*1454	0	0	3	1	0	0	4	X		2005.10.25
DRB1*1455	0	0	0	0	0	0	0		X	2005.12.30
DRB1*1456	0	0	0	0	0	0	0		X	2006.01.27
DRB1*1457	0	0	0	0	0	0	0		X	2006.03.22
DRB1*1458	0	0	0	0	0	0	0		X	2006.03.22
DRB1*1459	0	0	0	0	0	0	0		X	2006.04.28
DRB1*1460	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1461	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1462	0	0	0	0	0	0	0		X	2006.06.30
DRB1*1463	0	0	0	0	0	0	0		X	2006.10.30
DRB1*1464	0	0	0	0	0	0	0		X	2006.11.29
DRB1*1505	2	0	5	0	1	0	8	X		1995.05.17
DRB1*1507	1	1	6	0	0	0	8	X		1998.03.05
DRB1*1508	0	0	0	0	0	0	0		X	1998.03.06
DRB1*1509	0	1	4	0	0	0	5	X		1999.11.29
DRB1*1511	0	6	0	0	0	1	7	X		2000.10.25
DRB1*1512	0	1	0	0	0	0	1	X		2001.09.21
DRB1*1513	0	1	0	0	0	0	1	X		2001.10.31
DRB1*1514	0	11	0	1	0	1	13	X		2003.10.24
DRB1*1515	0	0	0	1	0	0	1	X		2004.06.25
DRB1*1516	0	0	0	0	0	0	0		X	2004.09.24
DRB1*1517N	0	0	0	1	0	0	1	X		2005.05.31
DRB1*1518	0	0	0	0	0	0	0		X	2005.08.25
DRB1*1519	0	0	0	0	0	0	0		X	2006.01.27
DRB1*1520	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1521	0	0	0	0	0	0	0		X	2006.05.31
DRB1*1522	0	0	0	0	0	1	1	X		2006.05.31
DRB1*1603	4	0	2	0	0	0	6	X		1993.02.26
DRB1*1607	0	0	8	8	0	0	16	X		1996.05.07
DRB1*1609	0	0	0	0	0	0	0		X	2005.02.18

AFA = African American,
API = Asian or Pacific Islander,
CAU = Caucasian,
HIS = Hispanic Race or Ethnicity with CAU or no race,
NAM = Native American,
OTH = Multiple, Unknown or Decline

HLA-DRB1 Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 2,044,933 HLA-DRB1 locus allele level results have been reported to the NMDP.
The number of times any listed allele was specifically tested for is unknown.

Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*1610	0	1	0	0	0	0	1	X		2005.09.23
DRB1*1611	0	0	0	0	0	0	0		X	2006.07.31

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