HLA-DRB1 Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.

Since 1987, 4,869,201 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*01:04	2	0	6	0	0	1	9	X		1993-02-26
DRB1*01:05	0	0	2	0	0	0	2	X		1998-08-18
DRB1*01:06	4	2	24	1	1	4	36	X		1998-10-06
DRB1*01:07	0	0	15	0	0	0	15	X		2000-08-17
DRB1*01:08	0	0	1	1	0	0	2	X		2001-05-30
DRB1*01:09	0	1	0	0	0	0	1	X		2002-08-30
DRB1*01:10	0	0	3	0	1	0	4	X		2002-10-25
DRB1*01:11	3	0	1	0	0	0	4	X		2003-09-22
DRB1*01:12	0	0	0	0	0	0	0		X	2004-12-20
DRB1*01:13	0	0	1	0	0	0	1	X		2005-04-29
DRB1*01:14	0	0	0	0	0	0	0		X	2006-03-22
DRB1*01:15	0	0	0	0	0	0	0		X	2006-03-22
DRB1*01:16	0	0	2	0	0	0	2	X		2006-09-27
DRB1*01:17	0	0	0	2	0	0	2	X		2007-07-31
DRB1*01:18	0	0	4	0	0	0	4	X		2007-07-31
DRB1*01:19	0	2	0	0	0	0	2	X		2007-07-31
DRB1*01:20	0	0	1	1	0	0	2	X		2008-05-21
DRB1*01:21	0	0	1	0	0	0	1	X		2009-02-28
DRB1*01:22	1	0	3	0	0	2	6	X		2009-05-31
DRB1*01:23	2	0	0	0	0	0	2	X		2009-07-31
DRB1*01:24	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:25	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:26	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:27	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:28	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:29	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:30	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:31	0	0	0	0	0	0	0		X	2009-09-30
DRB1*01:32	0	0	0	0	0	0	0		X	2010-02-22
DRB1*03:06	6	1	22	2	0	3	34	X		1995-09-07
DRB1*03:08	0	0	9	0	0	1	10	X		1996-02-04
DRB1*03:09	0	0	0	0	0	0	0		X	1996-03-26
DRB1*03:10	0	0	1	0	0	1	2	X		1996-10-25
DRB1*03:11	0	0	7	2	0	0	9	X		1996-12-29
DRB1*03:12	1	0	0	0	0	0	1	X		1998-08-19
DRB1*03:13	0	0	18	6	0	6	30	X		1998-12-09
DRB1*03:14	1	0	2	0	0	0	3	X		1999-02-16
DRB1*03:16	0	0	0	17	0	2	19	X		1999-11-25
DRB1*03:17	0	0	3	1	0	0	4	X		1999-11-25
DRB1*03:18	0	0	0	0	0	0	0		X	2000-11-22
DRB1*03:19	1	0	1	1	0	0	3	X		2001-01-31
DRB1*03:20	0	0	0	0	0	0	0		X	2001-03-20
DRB1*03:21	0	0	0	0	0	0	0		X	2001-08-29
DRB1*03:22	0	0	3	0	0	0	3	X		2001-12-20
DRB1*03:23	0	0	7	0	1	2	10	X		2002-06-27
DRB1*03:24	0	0	4	0	0	1	5	X		2002-11-28
DRB1*03:25	0	0	0	0	0	0	0		X	2002-12-12

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*03:26	0	0	0	0	0	0	0		X	2004-02-27
DRB1*03:27	0	9	0	0	0	0	9	X		2004-05-20
DRB1*03:28	0	0	0	0	0	0	0		X	2004-05-20
DRB1*03:29	1	0	0	0	0	0	1	X		2006-01-27
DRB1*03:30	0	0	0	0	0	0	0		X	2006-06-30
DRB1*03:31	0	0	0	0	0	0	0		X	2006-06-30
DRB1*03:32	0	0	0	0	0	0	0		X	2007-02-28
DRB1*03:33	0	0	0	0	0	0	0		X	2007-03-29
DRB1*03:34	0	0	2	0	0	0	2	X		2007-03-29
DRB1*03:35	0	0	0	0	0	0	0		X	2007-03-29
DRB1*03:36	0	0	0	0	0	0	0		X	2007-07-31
DRB1*03:37	0	0	2	0	0	0	2	X		2007-08-30
DRB1*03:38	2	0	0	0	0	0	2	X		2007-08-30
DRB1*03:39	1	0	1	0	0	1	3	X		2007-08-30
DRB1*03:40	0	0	0	0	0	0	0		X	2008-05-21
DRB1*03:41	0	0	0	0	0	0	0		X	2009-02-28
DRB1*03:42	0	0	0	0	0	0	0		X	2009-04-30
DRB1*03:43	0	0	0	0	0	0	0		X	2009-05-31
DRB1*03:44	0	0	0	0	0	0	0		X	2009-05-31
DRB1*03:45	0	0	0	0	0	0	0		X	2009-05-31
DRB1*03:46	0	0	0	0	0	0	0		X	2009-05-31
DRB1*03:47	0	0	0	0	0	0	0		X	2009-05-31
DRB1*03:48	0	0	1	0	0	0	1	X		2009-05-31
DRB1*03:49	0	0	1	0	0	0	1	X		2009-09-30
DRB1*03:50	0	0	0	0	0	0	0		X	2009-10-31
DRB1*03:51	0	1	0	0	0	0	1	X		2009-10-31
DRB1*03:52	0	0	0	0	0	0	0		X	2009-11-30
DRB1*03:53	0	0	0	0	0	0	0		X	2010-04-30
DRB1*03:54	0	0	0	0	0	0	0		X	2010-04-30
DRB1*03:55	0	0	0	0	0	0	0		X	2010-06-30
DRB1*04:12	0	6	0	0	0	0	6	X		1991-11-14
DRB1*04:16	0	0	25	0	0	2	27	X		1993-02-04
DRB1*04:19	0	0	9	17	0	0	26	X		1993-07-29
DRB1*04:20	0	0	1	0	0	0	1	X		1994-05-19
DRB1*04:21	0	0	3	0	0	0	3	X		1994-08-16
DRB1*04:22	2	0	7	1	1	0	11	X		1995-03-04
DRB1*04:23	1	0	6	13	0	2	22	X		1996-01-15
DRB1*04:24	1	0	2	2	0	0	5	X		1996-07-28
DRB1*04:25	0	0	3	11	0	1	15	X		1997-03-03
DRB1*04:26	0	0	31	1	0	3	35	X		1997-10-10
DRB1*04:27	0	0	4	0	0	0	4	X		1997-12-09
DRB1*04:28	0	0	0	0	0	0	0		X	1998-03-06
DRB1*04:29	0	0	0	0	0	0	0		X	1998-03-06
DRB1*04:30	0	1	0	0	0	0	1	X		1998-08-18
DRB1*04:31	0	0	3	2	0	0	5	X		1998-08-18
DRB1*04:32	0	0	3	1	0	0	4	X		1998-08-19
DRB1*04:33	1	1	9	0	0	1	12	X		1999-06-25

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*04:34	0	0	6	1	0	2	9	X		1999-11-29
DRB1*04:36	0	4	1	0	0	0	5	X		2000-05-10
DRB1*04:37	0	0	1	1	0	0	2	X		2000-10-25
DRB1*04:38	2	1	33	2	0	4	42	X		2000-10-25
DRB1*04:39	0	0	8	0	0	1	9	X		2001-02-20
DRB1*04:42	0	0	0	0	0	1	1	X		2001-03-20
DRB1*04:43	0	0	1	2	0	0	3	X		2001-08-29
DRB1*04:44	1	1	2	0	0	0	4	X		2002-04-28
DRB1*04:45	0	0	0	0	0	0	0		X	2002-12-12
DRB1*04:46	0	0	0	0	0	0	0		X	2003-05-22
DRB1*04:47	0	0	0	0	0	0	0		X	2003-07-22
DRB1*04:48	0	0	0	0	0	0	0		X	2003-08-20
DRB1*04:49	0	0	0	0	0	0	0		X	2003-09-22
DRB1*04:50	0	0	11	0	0	2	13	X		2003-10-24
DRB1*04:51	0	3	0	0	0	0	3	X		2004-12-13
DRB1*04:52	0	0	0	0	0	0	0		X	2004-12-20
DRB1*04:53	0	0	0	0	0	0	0		X	2005-03-22
DRB1*04:54	0	0	0	12	0	1	13	X		2005-07-26
DRB1*04:55	0	1	0	0	0	1	2	X		2005-07-26
DRB1*04:56	0	0	0	0	0	0	0		X	2005-07-26
DRB1*04:57	0	0	0	0	0	0	0		X	2006-02-22
DRB1*04:58	0	0	0	0	0	0	0		X	2006-04-28
DRB1*04:59	0	1	1	0	0	0	2	X		2006-05-31
DRB1*04:60	0	0	1	0	0	1	2	X		2006-06-30
DRB1*04:61	0	0	0	0	0	0	0		X	2006-10-30
DRB1*04:62	0	2	0	0	0	0	2	X		2006-11-29
DRB1*04:63	0	0	0	0	0	0	0		X	2006-12-23
DRB1*04:64	0	0	0	0	0	0	0		X	2007-02-28
DRB1*04:65	0	0	0	0	0	0	0		X	2007-07-31
DRB1*04:66	0	0	0	0	0	0	0		X	2007-08-30
DRB1*04:67	0	0	0	0	0	0	0		X	2007-08-30
DRB1*04:68	0	0	2	6	0	0	8	X		2007-08-30
DRB1*04:69	0	1	0	0	0	0	1	X		2007-08-30
DRB1*04:70	0	0	1	0	0	0	1	X		2007-08-30
DRB1*04:71	0	0	2	0	0	0	2	X		2007-08-30
DRB1*04:72	0	0	10	0	0	3	13	X		2007-11-30
DRB1*04:73	0	0	0	0	0	0	0		X	2007-11-30
DRB1*04:74	0	0	0	0	0	0	0		X	2008-04-29
DRB1*04:75	0	0	0	0	0	0	0		X	2008-05-21
DRB1*04:76	0	0	0	0	0	0	0		X	2008-05-21
DRB1*04:77	0	0	0	0	0	0	0		X	2008-05-21
DRB1*04:78	0	0	0	0	0	0	0		X	2008-12-22
DRB1*04:79	0	0	0	1	0	0	1	X		2009-07-31
DRB1*04:80	0	0	0	0	0	0	0		X	2009-07-31
DRB1*04:81N	0	0	0	0	0	0	0		X	2009-07-31
DRB1*04:82	0	0	0	0	0	0	0		X	2009-07-31
DRB1*04:83	0	0	1	0	0	0	1	X		2009-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*04:84	0	1	0	0	0	0	1	X		2009-07-31
DRB1*04:85	0	0	0	0	0	0	0		X	2009-09-30
DRB1*04:86	0	0	0	0	0	0	0		X	2009-09-30
DRB1*04:87	0	0	0	0	0	0	0		X	2009-09-30
DRB1*04:88	0	0	0	0	0	0	0		X	2009-09-30
DRB1*04:89	0	1	0	0	0	0	1	X		2009-12-21
DRB1*04:91	0	0	0	0	0	0	0		X	2010-04-30
DRB1*07:04	0	1	3	0	0	2	6	X		1998-03-05
DRB1*07:06	0	0	0	0	0	0	0		X	2001-08-29
DRB1*07:07	0	0	22	1	0	4	27	X		2002-08-30
DRB1*07:08	2	0	0	0	0	0	2	X		2003-07-31
DRB1*07:09	0	0	0	0	0	0	0		X	2004-10-31
DRB1*07:10N	0	0	1	0	0	0	1	X		2005-05-31
DRB1*07:11	0	0	1	21	0	5	27	X		2006-03-22
DRB1*07:12	0	0	0	0	0	0	0		X	2006-11-29
DRB1*07:13	0	0	0	0	0	0	0		X	2007-04-30
DRB1*07:14	0	0	0	1	0	0	1	X		2007-04-30
DRB1*07:15	0	0	0	2	0	0	2	X		2007-09-25
DRB1*07:16	0	0	0	5	0	1	6	X		2008-11-29
DRB1*07:17	0	0	0	0	0	0	0		X	2009-03-31
DRB1*07:19	0	0	0	0	0	0	0		X	2010-06-30
DRB1*08:08	28	0	3	1	0	4	36	X		1993-11-05
DRB1*08:12	0	5	1	0	0	1	7	X		1995-07-26
DRB1*08:14	0	17	1	0	0	3	21	X		1996-03-19
DRB1*08:15	0	0	0	0	0	0	0		X	1996-07-28
DRB1*08:16	0	0	0	0	1	0	1	X		1996-10-21
DRB1*08:17	1	1	26	2	0	3	33	X		1997-03-24
DRB1*08:19	0	17	0	0	0	3	20	X		1997-10-03
DRB1*08:20	7	0	4	1	0	1	13	X		1998-03-16
DRB1*08:21	0	0	0	0	0	0	0		X	1998-06-26
DRB1*08:22	0	0	5	0	0	2	7	X		2000-07-31
DRB1*08:23	0	0	0	0	0	0	0		X	2000-12-11
DRB1*08:24	0	0	2	1	0	0	3	X		2001-04-26
DRB1*08:25	0	0	0	0	0	0	0		X	2003-04-30
DRB1*08:26	0	0	4	1	0	0	5	X		2003-09-22
DRB1*08:27	0	1	0	0	0	0	1	X		2003-10-24
DRB1*08:28	0	0	4	0	0	0	4	X		2004-01-28
DRB1*08:29	0	0	0	0	0	0	0		X	2004-04-30
DRB1*08:30	0	1	0	0	2	3	6	X		2004-10-31
DRB1*08:31	0	0	0	0	0	0	0		X	2005-10-25
DRB1*08:32	0	1	0	0	0	0	1	X		2005-11-21
DRB1*08:33	0	0	0	0	0	0	0		X	2007-08-30
DRB1*08:34	0	2	1	0	0	0	3	X		2007-08-30
DRB1*08:35	0	2	0	0	0	0	2	X		2008-05-21
DRB1*08:36	0	0	0	0	0	0	0		X	2008-09-30
DRB1*08:37	0	0	0	0	0	0	0		X	2009-07-31
DRB1*08:38	0	0	0	0	0	0	0		X	2009-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*08:39	0	0	0	0	0	0	0		X	2009-08-31
DRB1*08:40	0	0	0	0	0	0	0		X	2010-02-22
DRB1*09:02	0	6	3	0	0	1	10	X		2001-07-31
DRB1*09:03	0	1	0	0	0	0	1	X		2003-12-15
DRB1*09:04	0	13	0	0	0	0	13	X		2004-10-31
DRB1*09:05	0	0	0	0	0	0	0		X	2005-04-29
DRB1*09:06	1	0	1	25	0	4	31	X		2006-09-27
DRB1*09:07	0	0	0	0	0	0	0		X	2008-04-29
DRB1*09:08	0	0	0	0	0	0	0		X	2008-09-30
DRB1*09:09	0	1	0	0	0	0	1	X		2009-10-31
DRB1*10:02	1	1	1	0	0	1	4	X		2007-07-31
DRB1*10:03	1	0	1	1	0	0	3	X		2008-06-30
DRB1*11:16	1	3	21	0	0	6	31	X		1994-08-12
DRB1*11:20	1	0	9	1	0	1	12	X		1995-05-09
DRB1*11:21	2	0	1	0	0	0	3	X		1995-05-10
DRB1*11:22	0	0	4	0	0	0	4	X		1995-05-19
DRB1*11:23	0	3	3	0	0	0	6	X		1995-06-25
DRB1*11:25	1	0	5	1	0	2	9	X		1995-11-07
DRB1*11:26	0	0	1	0	0	0	1	X		1996-01-15
DRB1*11:27	0	1	28	4	0	2	35	X		1996-02-28
DRB1*11:29	1	3	20	2	1	2	29	X		1996-10-21
DRB1*11:30	0	0	1	0	0	0	1	X		1996-12-29
DRB1*11:31	0	1	1	0	0	0	2	X		1997-03-03
DRB1*11:32	1	0	27	1	0	1	30	X		1998-03-16
DRB1*11:33	0	1	19	0	0	1	21	X		1998-06-30
DRB1*11:34	0	0	37	0	0	2	39	X		1998-09-28
DRB1*11:35	0	0	4	2	0	1	7	X		1998-12-26
DRB1*11:37	17	4	6	2	0	1	30	X		1999-11-25
DRB1*11:38	0	0	1	0	0	0	1	X		2000-03-31
DRB1*11:39	2	1	28	1	0	1	33	X		2000-06-20
DRB1*11:40	0	0	3	0	0	0	3	X		2000-06-20
DRB1*11:41	0	0	11	1	2	0	14	X		2000-07-31
DRB1*11:42	1	0	8	0	0	1	10	X		2001-02-26
DRB1*11:44	0	0	1	0	0	0	1	X		2003-07-22
DRB1*11:45	0	0	4	14	0	6	24	X		2003-07-31
DRB1*11:46	0	0	1	0	0	0	1	X		2003-08-19
DRB1*11:48	12	0	0	0	0	1	13	X		2003-10-24
DRB1*11:49	1	0	1	0	0	1	3	X		2003-12-15
DRB1*11:50	0	0	0	0	0	0	0		X	2004-02-27
DRB1*11:51	0	0	0	7	0	0	7	X		2004-04-30
DRB1*11:52	0	0	0	0	0	1	1	X		2004-05-20
DRB1*11:53	0	0	3	0	0	1	4	X		2004-06-25
DRB1*11:54	0	8	0	1	0	2	11	X		2004-07-31
DRB1*11:55	0	0	0	0	0	0	0		X	2006-02-22
DRB1*11:56	0	0	1	2	0	0	3	X		2006-05-31
DRB1*11:57	0	1	0	0	0	0	1	X		2006-05-31
DRB1*11:58	0	0	4	0	0	0	4	X		2006-11-29

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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*11:59	0	0	0	0	0	0	0		X	2006-11-29
DRB1*11:60	0	0	1	1	0	0	2	X		2006-11-29
DRB1*11:61	0	0	0	0	0	0	0		X	2007-02-28
DRB1*11:62	0	0	0	0	0	1	1	X		2007-03-29
DRB1*11:63	0	0	0	0	0	0	0		X	2007-03-29
DRB1*11:64	0	0	0	0	0	0	0		X	2007-06-22
DRB1*11:65	14	0	0	0	0	3	17	X		2007-08-30
DRB1*11:66	0	6	0	0	0	0	6	X		2007-08-30
DRB1*11:67	0	0	0	0	0	0	0		X	2007-12-20
DRB1*11:68	0	0	0	0	0	0	0		X	2008-01-30
DRB1*11:69	0	0	4	0	0	0	4	X		2008-05-21
DRB1*11:70	0	0	0	0	0	0	0		X	2008-08-24
DRB1*11:72	1	0	0	0	0	0	1	X		2009-02-28
DRB1*11:73	0	0	0	0	0	0	0		X	2009-04-30
DRB1*11:74	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:75	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:76	0	0	1	0	0	0	1	X		2009-05-31
DRB1*11:77	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:78	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:79	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:80	0	0	0	0	0	0	0		X	2009-05-31
DRB1*11:81	0	0	0	0	0	0	0		X	2009-06-30
DRB1*11:82	0	0	0	0	0	0	0		X	2009-07-31
DRB1*11:83	0	0	0	1	0	0	1	X		2009-07-31
DRB1*11:84	0	0	0	1	0	0	1	X		2009-07-31
DRB1*11:85	0	0	1	0	0	0	1	X		2009-10-31
DRB1*11:86	1	0	0	0	0	0	1	X		2009-10-31
DRB1*11:87	0	0	0	1	0	0	1	X		2009-10-31
DRB1*11:88	0	0	0	0	0	0	0		X	2009-11-30
DRB1*11:89	0	0	0	0	0	0	0		X	2009-11-30
DRB1*11:90	0	0	0	0	0	0	0		X	2010-01-31
DRB1*11:91	0	0	1	0	0	0	1	X		2010-01-31
DRB1*11:92	0	1	0	0	0	0	1	X		2010-01-31
DRB1*11:93	0	0	0	1	0	0	1	X		2010-01-31
DRB1*11:94	0	0	0	0	0	0	0		X	2010-02-22
DRB1*11:95	0	0	0	0	0	0	0		X	2010-05-31
DRB1*11:96	0	0	0	0	0	0	0		X	2010-06-30
DRB1*12:06	0	1	7	0	0	0	8	X		1998-11-25
DRB1*12:07	1	0	0	0	0	0	1	X		2000-11-22
DRB1*12:08	0	16	0	0	0	1	17	X		2001-05-30
DRB1*12:09	0	0	0	0	0	0	0		X	2003-09-29
DRB1*12:10	0	4	0	0	0	0	4	X		2004-05-24
DRB1*12:11	0	0	1	0	0	1	2	X		2004-12-20
DRB1*12:12	0	1	0	0	0	0	1	X		2005-02-18
DRB1*12:13	0	0	0	0	0	0	0		X	2005-11-21
DRB1*12:14	0	0	0	0	0	0	0		X	2006-02-22
DRB1*12:15	0	0	0	0	0	0	0		X	2006-05-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*12:16	0	0	0	0	0	0	0		X	2007-07-31
DRB1*12:17	0	0	0	0	0	0	0		X	2008-09-30
DRB1*12:18	0	0	0	0	0	0	0		X	2008-12-22
DRB1*12:19	0	1	0	0	0	1	2	X		2009-01-31
DRB1*12:20	0	0	0	0	0	0	0		X	2009-07-31
DRB1*12:21	0	0	0	0	0	0	0		X	2010-01-31
DRB1*12:22	0	0	0	0	0	0	0		X	2010-04-30
DRB1*12:23	0	0	0	0	0	0	0		X	2010-04-30
DRB1*12:24N	0	0	0	0	0	0	0		X	2010-06-30
DRB1*13:13	0	28	8	0	0	2	38	X		1996-12-29
DRB1*13:17	1	0	4	2	0	0	7	X		1994-10-17
DRB1*13:22	2	1	28	1	0	5	37	X		1995-05-18
DRB1*13:23	12	0	1	1	0	0	14	X		1995-11-10
DRB1*13:25	0	0	7	4	0	1	12	X		1996-05-07
DRB1*13:26	0	0	5	2	0	1	8	X		1996-05-27
DRB1*13:28	0	0	3	0	0	0	3	X		1996-07-17
DRB1*13:29	2	1	16	1	0	2	22	X		1996-10-26
DRB1*13:30	0	2	0	0	0	0	2	X		1996-12-11
DRB1*13:32	0	0	0	0	0	0	0		X	1997-06-02
DRB1*13:33	0	0	2	0	0	0	2	X		1997-10-10
DRB1*13:34	0	1	1	0	0	0	2	X		1998-09-01
DRB1*13:35	0	0	0	0	0	0	0		X	1999-06-09
DRB1*13:38	20	0	13	0	0	5	38	X		1999-11-25
DRB1*13:39	1	7	4	0	0	2	14	X		1999-11-29
DRB1*13:41	9	0	3	0	0	2	14	X		2000-02-23
DRB1*13:42	0	0	17	1	0	3	21	X		2000-03-31
DRB1*13:43	0	0	1	0	0	0	1	X		2000-03-31
DRB1*13:44	0	0	2	0	0	0	2	X		2000-03-31
DRB1*13:45	1	0	0	0	0	0	1	X		2000-05-10
DRB1*13:46	0	0	0	0	0	0	0		X	2000-10-25
DRB1*13:47	0	1	0	0	0	1	2	X		2000-10-25
DRB1*13:48	0	0	5	0	0	1	6	X		2001-02-26
DRB1*13:50	0	7	1	0	0	0	8	X		2001-10-31
DRB1*13:51	0	0	1	0	0	0	1	X		2002-04-28
DRB1*13:52	0	0	2	0	0	0	2	X		2002-07-31
DRB1*13:53	0	0	3	1	0	1	5	X		2002-08-30
DRB1*13:54	0	0	1	0	0	0	1	X		2002-08-30
DRB1*13:55	1	0	0	0	0	0	1	X		2002-11-28
DRB1*13:56	0	0	13	8	0	1	22	X		2003-04-30
DRB1*13:57	0	0	0	0	0	0	0		X	2003-04-30
DRB1*13:58	0	0	0	0	0	0	0		X	2003-04-30
DRB1*13:60	0	0	0	0	0	1	1	X		2003-06-13
DRB1*13:61	0	4	0	0	0	0	4	X		2003-07-31
DRB1*13:62	0	0	0	0	0	1	1	X		2003-09-22
DRB1*13:63	0	0	0	0	0	0	0		X	2004-01-28
DRB1*13:64	0	0	0	0	0	0	0		X	2004-05-20
DRB1*13:65	0	0	3	0	0	0	3	X		2004-08-25

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*13:66	0	0	2	0	0	1	3	X		2004-10-31
DRB1*13:67	0	0	0	0	0	0	0		X	2004-11-29
DRB1*13:68	0	0	1	0	0	0	1	X		2005-04-29
DRB1*13:69	2	0	0	0	0	0	2	X		2005-07-26
DRB1*13:70	1	0	1	0	0	0	2	X		2005-10-25
DRB1*13:71	0	0	0	0	0	0	0		X	2005-11-21
DRB1*13:72	0	0	0	0	0	0	0		X	2006-04-28
DRB1*13:73	0	0	0	0	0	0	0		X	2006-05-31
DRB1*13:74	0	0	0	0	0	0	0		X	2006-06-30
DRB1*13:75	0	0	0	0	0	0	0		X	2006-10-30
DRB1*13:76	0	0	0	0	0	0	0		X	2007-01-25
DRB1*13:77	0	0	2	1	0	0	3	X		2007-03-29
DRB1*13:78	0	0	0	0	0	0	0		X	2007-03-29
DRB1*13:79	1	1	7	0	1	0	10	X		2007-03-29
DRB1*13:80	1	0	1	1	0	0	3	X		2007-07-31
DRB1*13:81	1	0	0	10	0	1	12	X		2007-08-30
DRB1*13:82	2	14	0	0	1	0	17	X		2007-11-30
DRB1*13:83	0	0	0	0	0	0	0		X	2008-01-30
DRB1*13:84	0	0	1	0	0	0	1	X		2008-06-30
DRB1*13:85	1	0	0	0	0	0	1	X		2008-06-30
DRB1*13:86	0	0	1	0	0	0	1	X		2008-06-30
DRB1*13:87	0	0	0	0	0	0	0		X	2008-07-30
DRB1*13:88	0	0	0	1	0	0	1	X		2009-02-28
DRB1*13:89	0	0	0	0	0	0	0		X	2009-05-31
DRB1*13:90	0	0	0	0	0	0	0		X	2009-05-31
DRB1*13:91	0	0	0	0	0	0	0		X	2009-05-31
DRB1*13:92	0	0	0	0	0	0	0		X	2009-05-31
DRB1*13:93	0	0	3	0	0	0	3	X		2009-07-31
DRB1*13:94	0	0	1	0	0	0	1	X		2009-07-31
DRB1*13:95	0	0	0	0	0	0	0		X	2009-12-21
DRB1*13:96	0	0	0	0	0	0	0		X	2009-12-21
DRB1*13:97	0	0	1	0	0	0	1	X		2009-12-21
DRB1*13:98	0	1	0	0	0	0	1	X		2010-01-31
DRB1*13:99	0	0	0	0	0	0	0		X	2010-05-31
DRB1*13:100	0	0	0	0	0	0	0		X	2010-05-31
DRB1*13:101	0	0	0	0	0	0	0		X	2010-06-30
DRB1*14:09	2	15	9	14	0	0	40	X		1991-11-14
DRB1*14:13	3	2	2	22	0	5	34	X		1993-08-06
DRB1*14:14	0	1	0	0	0	0	1	X		1993-08-09
DRB1*14:21	0	0	35	3	1	2	41	X		1995-05-10
DRB1*14:23	0	2	6	0	0	0	8	X		1995-11-07
DRB1*14:26	0	0	1	0	0	0	1	X		1996-07-28
DRB1*14:27	0	2	0	8	0	5	15	X		1996-07-28
DRB1*14:28	1	23	0	1	0	0	25	X		1996-10-21
DRB1*14:29	0	16	0	0	0	4	20	X		1996-10-26
DRB1*14:30	0	0	0	0	0	0	0		X	1997-04-11
DRB1*14:31	0	1	0	0	0	0	1	X		1997-10-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:100,000)	Zero	Publish Date
DRB1*14:32	1	2	2	1	0	0	6	X		1998-12-09
DRB1*14:33	0	30	9	1	0	2	42	X		1998-12-26
DRB1*14:34	0	1	0	0	0	0	1	X		1999-11-29
DRB1*14:35	0	0	5	1	0	1	7	X		1999-11-29
DRB1*14:36	0	0	0	0	0	0	0		X	1999-11-29
DRB1*14:37	0	0	0	0	0	0	0		X	2000-03-02
DRB1*14:38	0	0	0	2	0	0	2	X		2000-12-11
DRB1*14:39	0	5	0	0	0	0	5	X		2000-12-11
DRB1*14:40	0	0	0	0	0	0	0		X	2000-12-11
DRB1*14:41	0	0	1	15	0	6	22	X		2001-08-29
DRB1*14:42	5	0	0	0	0	0	5	X		2001-10-31
DRB1*14:43	0	0	0	0	0	0	0		X	2002-01-25
DRB1*14:44	0	12	0	0	0	0	12	X		2002-08-30
DRB1*14:45	0	0	0	0	0	0	0		X	2002-08-30
DRB1*14:46	0	0	0	1	0	1	2	X		2002-12-16
DRB1*14:47	0	0	2	2	2	2	8	X		2003-04-30
DRB1*14:49	0	0	0	0	0	0	0		X	2005-02-18
DRB1*14:50	0	2	1	0	2	0	5	X		2005-05-31
DRB1*14:51	0	0	0	0	0	0	0		X	2005-05-31
DRB1*14:52	0	1	0	5	0	0	6	X		2005-05-31
DRB1*14:53	0	0	0	0	0	0	0		X	2005-09-23
DRB1*14:55	0	0	0	0	0	0	0		X	2005-12-30
DRB1*14:56	0	0	0	0	0	0	0		X	2006-01-27
DRB1*14:57	0	0	0	0	0	0	0		X	2006-03-22
DRB1*14:58	0	0	1	0	0	0	1	X		2006-03-22
DRB1*14:59	0	0	0	0	0	0	0		X	2006-04-28
DRB1*14:60	0	0	1	0	0	0	1	X		2006-05-31
DRB1*14:61	0	8	0	0	0	0	8	X		2006-05-31
DRB1*14:62	0	0	0	0	0	0	0		X	2006-06-30
DRB1*14:63	0	0	0	0	0	0	0		X	2006-10-30
DRB1*14:64	0	0	0	0	0	0	0		X	2006-11-29
DRB1*14:65	0	0	0	0	0	0	0		X	2007-01-25
DRB1*14:67	0	0	0	0	0	0	0		X	2007-04-30
DRB1*14:68	0	2	0	0	0	0	2	X		2007-04-30
DRB1*14:69	0	2	0	0	0	0	2	X		2007-07-31
DRB1*14:70	0	0	5	0	0	0	5	X		2007-07-31
DRB1*14:71	0	3	0	0	0	0	3	X		2007-07-31
DRB1*14:72	0	0	1	1	0	0	2	X		2007-07-31
DRB1*14:73	0	3	0	0	0	0	3	X		2007-07-31
DRB1*14:74	0	0	0	0	0	0	0		X	2007-07-31
DRB1*14:75	0	0	0	0	0	0	0		X	2007-12-20
DRB1*14:76	0	0	0	0	0	1	1	X		2008-01-30
DRB1*14:77	0	0	0	0	0	0	0		X	2008-03-25
DRB1*14:78	0	0	0	0	0	0	0		X	2008-04-29
DRB1*14:79	0	0	1	0	0	0	1	X		2008-04-29
DRB1*14:80	0	0	0	0	0	0	0		X	2008-05-21
DRB1*14:81	0	0	0	1	0	0	1	X		2008-06-30

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DRB1*14:82	0	0	0	0	1	0	1	X		2008-07-30
DRB1*14:83	0	0	0	1	0	0	1	X		2008-08-24
DRB1*14:84	0	1	0	0	0	0	1	X		2009-01-31
DRB1*14:85	0	0	0	0	0	0	0		X	2009-03-31
DRB1*14:86	0	0	0	0	0	0	0		X	2009-04-30
DRB1*14:87	0	0	0	0	0	0	0		X	2009-05-31
DRB1*14:88	0	0	0	0	0	0	0		X	2009-05-31
DRB1*14:89	0	0	0	0	0	0	0		X	2009-05-31
DRB1*14:90	0	0	0	0	0	0	0		X	2009-05-31
DRB1*14:91	0	0	0	0	0	0	0		X	2009-08-31
DRB1*14:92N	0	0	0	0	0	0	0		X	2009-09-30
DRB1*14:93	0	1	0	0	0	0	1	X		2009-10-31
DRB1*14:94	0	0	0	2	0	0	2	X		2009-10-31
DRB1*14:95	0	0	0	0	0	0	0		X	2009-11-30
DRB1*14:96	0	0	0	0	0	0	0		X	2009-11-30
DRB1*14:97	0	0	1	0	0	0	1	X		2010-01-31
DRB1*14:98	0	0	0	0	0	0	0		X	2010-01-31
DRB1*14:99	0	0	0	0	0	0	0		X	2010-02-22
DRB1*15:05	1	0	3	2	1	0	7	X		1995-05-17
DRB1*15:08	0	0	0	0	0	0	0		X	1998-03-06
DRB1*15:09	1	0	1	0	0	0	2	X		1999-11-29
DRB1*15:10	0	0	33	4	0	6	43	X		2000-02-23
DRB1*15:11	0	11	2	2	0	1	16	X		2000-10-25
DRB1*15:12	0	1	0	0	0	0	1	X		2001-09-21
DRB1*15:13	0	4	2	0	0	0	6	X		2001-10-31
DRB1*15:15	0	2	0	1	0	0	3	X		2004-06-25
DRB1*15:16	0	0	1	0	0	0	1	X		2004-09-24
DRB1*15:17N	0	0	0	1	0	0	1	X		2005-05-31
DRB1*15:18	0	0	10	1	0	0	11	X		2005-08-25
DRB1*15:19	0	0	0	0	0	0	0		X	2006-01-27
DRB1*15:20	0	3	0	0	1	0	4	X		2006-05-31
DRB1*15:21	0	0	0	0	0	0	0		X	2006-05-31
DRB1*15:22	1	0	14	0	0	3	18	X		2006-05-31
DRB1*15:23	18	0	0	0	0	1	19	X		2007-07-31
DRB1*15:24	0	0	9	0	0	3	12	X		2007-07-31
DRB1*15:25	0	0	1	0	0	0	1	X		2007-07-31
DRB1*15:26	0	1	0	0	0	0	1	X		2007-08-30
DRB1*15:27	0	0	1	0	0	0	1	X		2007-09-25
DRB1*15:28	0	0	0	0	0	0	0		X	2008-05-21
DRB1*15:29	0	0	0	0	0	0	0		X	2008-05-21
DRB1*15:30	1	0	0	0	0	0	1	X		2008-05-21
DRB1*15:31	0	3	0	0	0	0	3	X		2008-05-21
DRB1*15:32	0	0	0	0	0	0	0		X	2009-02-28
DRB1*15:33	0	0	0	0	0	0	0		X	2009-04-30
DRB1*15:34	0	0	0	0	0	0	0		X	2009-07-31
DRB1*15:35	0	0	0	0	0	0	0		X	2009-09-30
DRB1*15:36	0	0	0	0	0	0	0		X	2009-09-30

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, 4,869,201 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*15:37	0	0	0	0	0	0	0		X	2009-09-30
DRB1*15:38	0	1	0	0	0	0	1	X		2009-09-30
DRB1*15:39	0	0	0	0	0	0	0		X	2009-09-30
DRB1*15:40	0	0	0	0	0	0	0		X	2009-09-30
DRB1*15:41	0	0	0	0	0	0	0		X	2009-09-30
DRB1*15:42	0	0	0	0	0	0	0		X	2009-12-21
DRB1*15:43	0	0	0	0	0	0	0		X	2009-12-21
DRB1*15:44	0	0	0	0	0	0	0		X	2010-02-22
DRB1*15:45	0	0	0	0	0	0	0		X	2010-04-30
DRB1*15:46	0	0	0	0	0	0	0		X	2010-04-30
DRB1*15:47	0	0	0	0	0	0	0		X	2010-06-30
DRB1*15:48	0	0	0	0	0	0	0		X	2010-06-30
DRB1*15:49	0	0	0	0	0	0	0		X	2010-06-30
DRB1*16:03	2	0	1	1	0	0	4	X		1993-02-26
DRB1*16:09	0	0	2	0	0	0	2	X		2005-02-18
DRB1*16:10	6	7	1	0	0	0	14	X		2005-09-23
DRB1*16:11	0	0	0	0	0	0	0		X	2006-07-31
DRB1*16:12	0	0	0	5	0	0	5	X		2007-07-31
DRB1*16:13N	0	0	0	0	0	0	0		X	2007-08-30
DRB1*16:14	0	0	0	0	0	0	0		X	2009-07-31
DRB1*16:15	0	0	0	1	0	0	1	X		2009-09-30
DRB1*16:16	0	0	0	0	0	0	0		X	2010-01-31

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