HLA-A Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 1,121,433 HLA-A 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 (< 1:50,000)	Zero	Publish Date
A*01:01L	0	0	0	0	0	0	0		X	2009-01-31
A*01:01N	0	0	0	0	0	0	0		X	2005-04-29
A*01:04N	0	0	2	0	0	0	2	X		1997-08-15
A*01:07	0	0	0	0	0	0	0		X	2000-01-31
A*01:08	0	0	1	0	0	0	1	X		2000-07-31
A*01:09	11	0	0	0	0	0	11	X		2001-06-30
A*01:10	0	0	0	0	0	0	0		X	2004-03-19
A*01:11N	0	0	0	0	0	0	0		X	2005-01-31
A*01:12	2	18	0	0	0	1	21	X		2005-01-31
A*01:13	0	0	2	1	0	0	3	X		2005-01-31
A*01:14	0	1	3	0	0	0	4	X		2005-04-29
A*01:15N	0	0	4	0	0	1	5	X		2005-05-31
A*01:16N	0	0	4	0	0	0	4	X		2005-07-28
A*01:17	1	0	12	3	0	2	18	X		2005-10-30
A*01:18N	0	0	0	0	0	0	0		X	2006-03-26
A*01:19	0	0	0	0	0	0	0		X	2006-03-26
A*01:20	1	0	2	1	0	0	4	X		2006-04-30
A*01:21	0	0	0	0	0	0	0		X	2007-03-28
A*01:22N	0	0	0	0	0	0	0		X	2007-03-28
A*01:23	4	0	2	0	0	0	6	X		2007-03-28
A*01:24	0	0	1	8	0	0	9	X		2007-03-28
A*01:26	0	0	3	0	0	0	3	X		2007-04-30
A*01:27N	0	0	0	0	0	0	0		X	2007-04-30
A*01:28	0	0	1	0	0	0	1	X		2007-06-22
A*01:29	0	0	2	0	0	1	3	X		2007-07-31
A*01:30	0	0	2	2	0	0	4	X		2007-07-31
A*01:31N	0	0	1	0	0	0	1	X		2008-09-30
A*01:32	0	0	1	0	0	0	1	X		2008-10-24
A*01:33	0	1	0	0	0	0	1	X		2008-12-22
A*01:35	0	0	0	0	0	0	0		X	2009-03-31
A*01:36	0	0	0	0	0	0	0		X	2009-04-30
A*01:37	1	0	2	0	0	1	4	X		2009-05-31
A*01:38	0	0	0	0	0	0	0		X	2009-05-31
A*01:39	0	0	1	0	0	0	1	X		2009-05-31
A*01:40	0	0	0	0	0	0	0		X	2009-05-31
A*01:41	0	0	0	0	0	0	0		X	2009-05-31
A*01:42	0	0	0	0	0	1	1	X		2009-05-31
A*01:43	0	3	0	0	0	1	4	X		2009-08-31
A*01:44	0	0	2	0	0	0	2	X		2009-09-30
A*01:45	0	0	0	0	0	0	0		X	2009-09-30
A*01:46	0	0	0	0	0	0	0		X	2009-10-31
A*01:47	0	0	0	0	0	0	0		X	2009-10-31
A*01:48	0	0	0	0	0	0	0		X	2009-10-31

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HLA-A Locus Rare Allele List

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*01:49	0	0	0	0	0	0	0		X	2009-10-31
A*01:50	0	0	0	0	0	0	0		X	2009-10-31
A*01:51	0	0	0	0	0	0	0		X	2009-10-31
A*01:52N	0	0	0	0	0	1	1	X		2010-02-22
A*01:53N	0	0	0	0	0	0	0		X	2010-02-22
A*01:54	0	0	0	0	0	0	0		X	2010-02-22
A*01:55	0	0	0	0	0	0	0		X	2010-02-22
A*01:56N	0	0	0	0	0	0	0		X	2010-05-31
A*01:57N	0	0	0	0	0	0	0		X	2010-06-30
A*01:58	0	1	0	0	0	0	1	X		2010-06-30
A*01:59	0	0	0	0	0	0	0		X	2010-06-30
A*01:60	0	0	0	0	0	0	0		X	2010-06-30
A*01:61	0	0	1	0	0	0	1	X		2010-06-30
A*01:62	0	0	0	0	0	0	0		X	2010-06-30
A*01:63	0	0	0	0	0	0	0		X	2010-06-30
A*01:64	0	0	0	0	0	0	0		X	2010-06-30
A*01:65	0	0	0	0	0	0	0		X	2010-06-30
A*01:66	0	0	1	1	0	0	2	X		2010-06-30
A*01:67	0	0	0	0	0	0	0		X	2010-07-31
A*01:68	0	0	0	0	0	0	0		X	2010-07-31
A*01:69	0	0	1	0	0	0	1	X		2010-07-31
A*01:70	0	0	0	0	0	0	0		X	2010-07-31
A*01:71	0	0	0	0	0	0	0		X	2010-07-31
A*01:72	0	0	0	0	0	0	0		X	2010-08-31
A*01:73	0	0	0	0	0	0	0		X	2010-08-31
A*01:74	0	0	0	0	0	0	0		X	2010-08-31
A*01:75	0	0	0	0	0	0	0		X	2010-08-31
A*01:76	0	0	0	0	0	0	0		X	2010-08-31
A*01:77	0	0	0	0	0	0	0		X	2010-08-31
A*01:78	0	0	0	0	0	0	0		X	2010-09-30
A*01:79	0	0	0	0	0	0	0		X	2010-09-30
A*01:80	0	0	0	0	0	0	0		X	2010-09-30
A*01:81	0	0	0	0	0	0	0		X	2010-09-30
A*01:82	0	1	0	0	0	0	1	X		2010-10-31
A*01:83	0	0	0	0	0	0	0		X	2010-10-31
A*01:84	0	0	0	0	0	0	0		X	2010-10-31
A*01:85	0	0	0	0	0	0	0		X	2010-10-31
A*01:86	0	0	0	0	0	1	1	X		2011-01-31
A*01:87N	0	0	0	0	0	0	0		X	2011-01-31
A*01:88	0	0	0	0	0	0	0		X	2011-02-28
A*01:89	0	0	0	0	0	0	0		X	2011-02-28
A*01:90	0	0	0	0	0	0	0		X	2011-02-28
A*01:91	0	0	0	0	0	0	0		X	2011-02-28

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*01:92	0	0	0	0	0	0	0		X	2011-02-28
A*01:93	0	0	0	0	0	0	0		X	2011-02-28
A*01:94	0	0	0	0	0	0	0		X	2011-04-30
A*01:95	0	0	0	0	0	0	0		X	2011-04-30
A*01:96	0	0	0	0	0	0	0		X	2011-04-30
A*01:97	0	0	0	0	0	0	0		X	2011-04-30
A*01:98	0	0	0	0	0	0	0		X	2011-04-30
A*01:99	0	0	0	0	0	0	0		X	2011-04-30
A*01:100	0	0	0	0	0	0	0		X	2011-04-30
A*01:101	0	0	1	0	0	0	1	X		2011-04-30
A*01:102	0	0	0	0	0	0	0		X	2011-10-31
A*01:103	0	0	0	0	0	0	0		X	2011-10-31
A*01:104	0	0	0	0	0	0	0		X	2011-12-16
A*02:01L	0	0	1	0	0	0	1	X		2003-07-31
A*02:01Q	0	0	0	0	0	0	0		X	2007-04-30
A*02:15N	0	0	0	0	0	0	0		X	1994-11-04
A*02:18	0	7	0	0	0	1	8	X		1996-04-08
A*02:21	0	0	14	1	0	3	18	X		1996-06-29
A*02:25	0	0	1	0	0	0	1	X		1997-06-23
A*02:28	0	5	0	0	0	0	5	X		1998-03-11
A*02:31	1	0	1	1	0	0	3	X		1999-02-16
A*02:32N	0	0	1	0	0	0	1	X		1999-02-16
A*02:37	0	0	6	1	0	0	7	X		1999-11-17
A*02:40	0	0	1	1	0	1	3	X		1999-11-17
A*02:41	0	0	0	0	0	0	0		X	1999-11-30
A*02:42	0	3	0	0	0	0	3	X		2000-01-31
A*02:43N	0	0	1	0	0	0	1	X		2000-02-24
A*02:45	1	0	3	3	0	0	7	X		2000-05-18
A*02:46	0	0	2	1	0	0	3	X		2000-05-22
A*02:47	10	0	0	0	0	0	10	X		2000-09-26
A*02:48	0	10	0	0	0	0	10	X		2000-09-26
A*02:50	0	0	0	0	0	0	0		X	2001-01-31
A*02:51	0	0	1	12	0	2	15	X		2001-05-31
A*02:52	0	0	1	10	0	2	13	X		2001-09-30
A*02:54	0	0	0	11	0	1	12	X		2001-11-30
A*02:55	0	0	2	1	0	0	3	X		2001-12-20
A*02:56	0	0	2	0	0	0	2	X		2002-02-20
A*02:57	0	0	0	9	0	0	9	X		2002-05-31
A*02:59	0	0	0	0	0	0	0		X	2002-08-31
A*02:61	0	1	0	0	0	0	1	X		2003-01-31
A*02:62	0	0	0	0	0	0	0		X	2003-02-25
A*02:63	8	0	0	0	0	1	9	X		2003-04-30
A*02:65	0	0	0	0	0	0	0		X	2003-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:66	1	0	10	0	0	1	12	X		2003-07-31
A*02:67	0	0	0	0	0	0	0		X	2003-08-26
A*02:68	0	0	1	0	0	0	1	X		2004-02-29
A*02:69	0	0	0	0	0	0	0		X	2004-04-30
A*02:70	0	0	0	0	0	0	0		X	2004-05-24
A*02:71	0	0	0	0	0	0	0		X	2004-06-25
A*02:72	0	0	0	0	0	0	0		X	2004-06-25
A*02:73	0	0	0	0	0	0	0		X	2004-07-31
A*02:74	2	1	4	1	0	1	9	X		2004-11-30
A*02:75	0	0	0	0	0	0	0		X	2004-12-19
A*02:76	0	0	0	0	0	0	0		X	2005-01-31
A*02:77	0	0	3	0	0	3	6	X		2005-01-31
A*02:78	0	0	0	0	0	0	0		X	2005-01-31
A*02:79	0	1	0	0	0	0	1	X		2005-01-31
A*02:80	1	0	2	1	0	0	4	X		2005-04-29
A*02:81	0	0	2	0	0	0	2	X		2005-04-29
A*02:82N	0	0	1	0	0	0	1	X		2005-05-31
A*02:83N	0	0	0	0	0	0	0		X	2005-05-31
A*02:87	0	0	1	17	0	4	22	X		2005-08-25
A*02:88N	0	0	0	0	0	0	0		X	2005-09-23
A*02:89	0	0	0	0	0	0	0		X	2005-09-23
A*02:90	0	1	3	0	0	0	4	X		2005-10-30
A*02:91	0	0	0	0	0	0	0		X	2006-01-27
A*02:92	0	0	0	1	0	0	1	X		2006-01-27
A*02:93	0	1	7	1	0	0	9	X		2006-02-27
A*02:94N	0	0	3	0	0	1	4	X		2006-02-27
A*02:95	0	1	4	0	0	0	5	X		2006-02-27
A*02:97	0	0	2	0	0	0	2	X		2006-04-30
A*02:99	0	0	0	0	0	0	0		X	2006-04-30
A*02:101	0	0	3	1	0	0	4	X		2006-04-30
A*02:102	0	0	0	0	0	1	1	X		2006-04-30
A*02:103	0	0	0	0	0	0	0		X	2006-05-31
A*02:104	0	0	0	0	0	0	0		X	2006-09-27
A*02:105	0	0	0	2	0	0	2	X		2006-10-31
A*02:106	0	0	0	0	0	0	0		X	2006-10-31
A*02:107	0	0	6	0	0	0	6	X		2006-11-30
A*02:108	0	0	0	0	0	2	2	X		2006-11-30
A*02:109	0	0	0	0	0	0	0		X	2006-12-27
A*02:110	0	0	4	0	0	0	4	X		2007-01-28
A*02:111	0	0	0	0	0	0	0		X	2007-01-28
A*02:112	0	0	0	0	0	0	0		X	2007-02-28
A*02:113N	0	0	2	0	0	0	2	X		2007-03-28
A*02:114	0	0	3	0	0	1	4	X		2007-03-28

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:115	1	0	0	0	0	0	1	X		2007-03-28
A*02:116	0	0	0	0	0	0	0		X	2007-03-28
A*02:117	0	0	0	0	0	0	0		X	2007-04-30
A*02:118	0	0	2	0	0	0	2	X		2007-04-30
A*02:119	0	0	5	2	0	1	8	X		2007-04-30
A*02:120	0	0	3	0	0	0	3	X		2007-04-30
A*02:121	0	0	2	0	0	0	2	X		2007-05-31
A*02:124	0	0	0	0	0	0	0		X	2007-05-31
A*02:125N	0	0	0	0	0	0	0		X	2007-05-31
A*02:126	0	0	0	0	0	0	0		X	2007-05-31
A*02:127	0	0	0	0	0	0	0		X	2007-07-31
A*02:128	0	1	0	0	0	0	1	X		2007-07-31
A*02:129	0	1	0	0	0	0	1	X		2007-08-31
A*02:130	0	0	0	0	0	0	0		X	2007-08-31
A*02:131	0	3	1	0	0	3	7	X		2007-08-31
A*02:132	0	0	0	0	0	0	0		X	2007-09-25
A*02:133	0	0	0	0	0	0	0		X	2007-09-25
A*02:134	0	0	0	0	0	0	0		X	2007-10-01
A*02:135	0	0	0	0	0	0	0		X	2007-10-22
A*02:136	0	0	0	11	0	6	17	X		2007-11-30
A*02:137	0	0	0	9	0	1	10	X		2007-11-30
A*02:138	0	0	1	0	0	0	1	X		2008-02-27
A*02:139	0	0	0	1	0	0	1	X		2008-02-27
A*02:140	1	0	0	0	0	0	1	X		2008-02-27
A*02:141	0	0	1	0	0	0	1	X		2008-03-26
A*02:142	0	0	0	0	0	0	0		X	2008-04-29
A*02:143	0	0	0	0	0	0	0		X	2008-04-29
A*02:144	0	0	0	0	0	0	0		X	2008-04-29
A*02:145	1	0	0	0	0	0	1	X		2008-04-29
A*02:146	0	1	2	0	0	0	3	X		2008-05-31
A*02:147	0	0	0	7	0	3	10	X		2008-05-31
A*02:148	0	1	0	0	0	0	1	X		2008-06-30
A*02:149	0	0	2	0	0	0	2	X		2008-07-30
A*02:150	0	0	0	0	0	0	0		X	2008-07-30
A*02:151	1	0	4	0	0	0	5	X		2008-08-24
A*02:152	0	0	0	2	0	0	2	X		2008-09-30
A*02:153	0	0	2	1	0	0	3	X		2008-12-22
A*02:154	0	1	2	0	0	1	4	X		2008-12-22
A*02:155	1	0	0	0	0	0	1	X		2008-12-22
A*02:156	0	0	2	0	0	0	2	X		2008-12-22
A*02:157	0	0	0	0	0	0	0		X	2009-01-31
A*02:158	0	0	2	1	0	2	5	X		2009-02-28
A*02:159	0	0	0	0	0	0	0		X	2009-02-28

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:160	0	0	0	0	0	0	0		X	2009-02-28
A*02:161	0	0	0	0	0	0	0		X	2009-02-28
A*02:162	0	0	1	0	0	0	1	X		2009-02-28
A*02:163	0	0	1	0	0	0	1	X		2009-02-28
A*02:164	0	0	0	0	0	0	0		X	2009-02-28
A*02:165	0	0	0	0	0	0	0		X	2009-02-28
A*02:166	0	0	0	0	0	0	0		X	2009-02-28
A*02:167	0	0	0	0	0	0	0		X	2009-03-31
A*02:168	0	0	0	1	0	0	1	X		2009-03-31
A*02:169	0	1	0	0	0	0	1	X		2009-04-30
A*02:170	0	0	0	0	0	0	0		X	2009-04-30
A*02:171	0	1	0	0	0	0	1	X		2009-04-30
A*02:172	0	0	0	0	0	0	0		X	2009-04-30
A*02:173	0	0	0	0	0	0	0		X	2009-04-30
A*02:174	0	0	0	0	0	0	0		X	2009-04-30
A*02:175	0	0	0	0	0	0	0		X	2009-04-30
A*02:176	0	0	0	0	0	0	0		X	2009-04-30
A*02:177	4	0	1	0	0	1	6	X		2009-05-31
A*02:178	0	0	1	0	0	0	1	X		2009-05-31
A*02:179	0	0	0	0	0	0	0		X	2009-05-31
A*02:180	0	0	0	0	0	0	0		X	2009-05-31
A*02:181	0	0	0	0	0	0	0		X	2009-05-31
A*02:182	0	0	0	0	0	0	0		X	2009-05-31
A*02:183	0	0	8	0	0	2	10	X		2009-05-31
A*02:184	0	0	1	0	0	0	1	X		2009-05-31
A*02:185	0	0	0	0	0	0	0		X	2009-05-31
A*02:186	1	0	0	0	0	0	1	X		2009-06-30
A*02:187	0	0	0	0	0	0	0		X	2009-07-31
A*02:188	0	0	0	0	0	0	0		X	2009-07-31
A*02:189	0	1	1	0	0	0	2	X		2009-07-31
A*02:190	0	0	1	0	0	2	3	X		2009-07-31
A*02:191	0	0	0	0	0	0	0		X	2009-07-31
A*02:192	0	0	0	0	0	0	0		X	2009-08-31
A*02:193	1	0	0	0	0	0	1	X		2009-08-31
A*02:194	0	0	1	0	0	0	1	X		2009-09-30
A*02:195	0	0	0	0	0	0	0		X	2009-09-30
A*02:196	0	0	0	0	0	0	0		X	2009-10-31
A*02:197	0	0	2	0	0	0	2	X		2009-10-31
A*02:198	0	0	0	0	0	0	0		X	2009-10-31
A*02:199	0	0	0	0	0	0	0		X	2009-10-31
A*02:200	1	0	0	0	0	0	1	X		2010-04-30
A*02:201	0	0	0	0	0	0	0		X	2010-04-30
A*02:202	0	0	0	0	0	0	0		X	2010-04-30

AFA = African American,
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HLA-A Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 1,121,433 HLA-A 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 (< 1:50,000)	Zero	Publish Date
A*02:203	0	0	2	0	0	0	2	X		2010-04-30
A*02:204	0	0	0	0	0	0	0		X	2010-04-30
A*02:205	0	0	2	0	0	0	2	X		2010-04-30
A*02:206	0	0	5	0	0	1	6	X		2010-04-30
A*02:207	0	0	1	0	0	1	2	X		2010-04-30
A*02:208	0	0	1	0	0	1	2	X		2010-04-30
A*02:209	0	0	0	0	0	0	0		X	2010-04-30
A*02:210	0	0	0	0	0	0	0		X	2010-04-30
A*02:211	0	0	2	2	1	0	5	X		2010-04-30
A*02:212	0	0	0	0	0	0	0		X	2010-04-30
A*02:213	0	0	0	0	0	0	0		X	2010-04-30
A*02:214	0	0	2	0	0	0	2	X		2010-04-30
A*02:215	0	0	0	0	0	0	0		X	2010-04-30
A*02:216	0	0	0	0	0	0	0		X	2010-04-30
A*02:217	0	0	0	0	0	0	0		X	2010-04-30
A*02:218	0	0	0	0	0	0	0		X	2010-04-30
A*02:219	0	0	0	0	0	0	0		X	2010-04-30
A*02:220	0	0	0	0	0	0	0		X	2010-04-30
A*02:221	0	0	2	0	0	0	2	X		2010-04-30
A*02:222N	0	0	0	0	0	0	0		X	2010-04-30
A*02:223N	0	0	0	0	0	0	0		X	2010-04-30
A*02:224	0	0	0	0	0	0	0		X	2010-04-30
A*02:225N	0	0	0	0	0	0	0		X	2010-04-30
A*02:226N	0	0	0	0	0	0	0		X	2010-04-30
A*02:227N	0	0	0	0	0	0	0		X	2010-04-30
A*02:228	0	0	0	0	0	0	0		X	2010-04-30
A*02:229	0	0	2	0	0	0	2	X		2010-04-30
A*02:230	0	0	0	0	0	0	0		X	2010-04-30
A*02:231	0	0	0	0	0	0	0		X	2010-04-30
A*02:232	0	0	1	0	0	0	1	X		2010-04-30
A*02:233	0	0	0	0	0	0	0		X	2010-04-30
A*02:234	0	0	1	0	0	0	1	X		2010-04-30
A*02:235	0	0	0	0	0	0	0		X	2010-04-30
A*02:236	0	0	1	0	0	0	1	X		2010-04-30
A*02:237	0	0	0	0	0	0	0		X	2010-04-30
A*02:238	0	0	0	0	0	0	0		X	2010-04-30
A*02:239	0	0	0	0	0	0	0		X	2010-04-30
A*02:240	0	0	0	0	0	0	0		X	2010-04-30
A*02:241	0	0	0	0	0	0	0		X	2010-04-30
A*02:242	0	0	0	0	0	0	0		X	2010-04-30
A*02:243	0	0	0	0	0	0	0		X	2010-04-30
A*02:244	0	0	0	0	0	0	0		X	2010-04-30
A*02:245	0	0	0	0	0	0	0		X	2010-04-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:246	0	0	1	0	0	0	1	X		2010-04-30
A*02:247	0	0	0	0	0	0	0		X	2010-04-30
A*02:248	0	0	0	0	0	0	0		X	2010-04-30
A*02:249	0	0	0	0	0	0	0		X	2010-05-31
A*02:250N	0	0	0	0	0	0	0		X	2010-05-31
A*02:251	0	1	0	0	0	0	1	X		2010-05-31
A*02:252	0	0	0	0	0	0	0		X	2010-05-31
A*02:253	0	0	0	0	0	0	0		X	2010-05-31
A*02:254	0	0	0	0	0	0	0		X	2010-05-31
A*02:255	0	0	0	0	0	0	0		X	2010-05-31
A*02:256	0	0	0	0	0	0	0		X	2010-05-31
A*02:257	0	0	0	0	0	0	0		X	2010-06-30
A*02:258	0	0	0	0	0	0	0		X	2010-06-30
A*02:259	0	0	0	0	0	0	0		X	2010-06-30
A*02:260	0	0	1	0	0	0	1	X		2010-06-30
A*02:261	0	0	0	0	0	0	0		X	2010-06-30
A*02:262	0	0	1	0	0	0	1	X		2010-06-30
A*02:263	0	0	2	0	0	0	2	X		2010-06-30
A*02:264	0	0	0	0	0	0	0		X	2010-06-30
A*02:265	0	0	0	0	0	0	0		X	2010-06-30
A*02:266	0	0	0	0	0	0	0		X	2010-06-30
A*02:267	0	1	0	0	0	0	1	X		2010-07-31
A*02:268	0	0	0	0	0	0	0		X	2010-07-31
A*02:269	0	0	0	0	0	0	0		X	2010-07-31
A*02:270	0	0	0	0	0	0	0		X	2010-07-31
A*02:271	0	0	1	0	0	0	1	X		2010-07-31
A*02:272	0	0	0	0	0	0	0		X	2010-08-31
A*02:273	0	0	0	0	0	0	0		X	2010-08-31
A*02:274	0	0	0	0	0	0	0		X	2010-08-31
A*02:275	0	0	0	0	0	0	0		X	2010-08-31
A*02:276	0	0	0	0	0	0	0		X	2010-08-31
A*02:277	0	0	1	0	0	0	1	X		2010-08-31
A*02:278	0	0	0	1	0	1	2	X		2010-08-31
A*02:279	0	0	0	0	0	0	0		X	2010-08-31
A*02:280	0	0	0	0	0	0	0		X	2010-09-30
A*02:281	0	1	0	0	0	0	1	X		2010-09-30
A*02:282	0	1	0	0	0	0	1	X		2010-09-30
A*02:283	0	0	0	0	0	0	0		X	2010-10-31
A*02:284N	0	0	0	0	0	0	0		X	2010-10-31
A*02:285	0	0	0	0	0	0	0		X	2010-10-31
A*02:286	0	0	0	0	0	0	0		X	2010-10-31
A*02:287	0	0	0	0	0	0	0		X	2010-10-31
A*02:288	0	0	0	0	0	0	0		X	2010-10-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:289	0	0	0	0	0	0	0		X	2010-10-31
A*02:290	0	0	0	0	0	0	0		X	2010-10-31
A*02:291	0	0	0	0	0	0	0		X	2010-10-31
A*02:292	0	0	0	0	0	0	0		X	2010-11-30
A*02:293Q	0	0	0	0	0	0	0		X	2010-11-30
A*02:294	0	0	0	0	0	0	0		X	2010-11-30
A*02:295	0	0	0	0	0	0	0		X	2010-11-30
A*02:296	0	0	0	0	0	0	0		X	2010-11-30
A*02:297	0	0	0	0	0	0	0		X	2010-11-30
A*02:298	0	0	0	0	0	0	0		X	2010-11-30
A*02:299	0	0	1	0	0	0	1	X		2010-11-30
A*02:300	0	0	0	0	0	0	0		X	2010-11-30
A*02:301N	0	0	0	0	0	0	0		X	2010-11-30
A*02:302	0	0	0	0	0	0	0		X	2011-01-31
A*02:303	0	0	0	0	0	0	0		X	2011-01-31
A*02:304	0	0	0	0	0	0	0		X	2011-01-31
A*02:305N	0	0	0	0	0	0	0		X	2011-01-31
A*02:306	0	0	0	0	0	0	0		X	2011-02-28
A*02:307	0	0	0	0	0	0	0		X	2011-02-28
A*02:308	0	0	0	0	0	0	0		X	2011-02-28
A*02:309	0	0	0	0	0	0	0		X	2011-02-28
A*02:310	0	0	0	0	0	0	0		X	2011-02-28
A*02:311	0	0	0	0	0	0	0		X	2011-03-22
A*02:312	0	0	0	0	0	0	0		X	2011-04-30
A*02:313	0	0	0	0	0	0	0		X	2011-04-30
A*02:314N	0	0	0	0	0	0	0		X	2011-04-30
A*02:315	0	0	0	0	0	0	0		X	2011-04-30
A*02:316	0	0	0	0	0	0	0		X	2011-04-30
A*02:317	0	0	0	0	0	0	0		X	2011-04-30
A*02:318	0	0	0	0	0	0	0		X	2011-04-30
A*02:319	0	0	0	0	0	0	0		X	2011-04-30
A*02:320	1	0	0	0	0	0	1	X		2011-04-30
A*02:321N	0	0	0	0	0	0	0		X	2011-06-30
A*02:322	0	0	0	0	0	0	0		X	2011-06-30
A*02:323	0	0	0	0	0	1	1	X		2011-05-31
A*02:324	0	0	0	0	0	0	0		X	2011-05-31
A*02:325	0	0	1	0	0	0	1	X		2011-06-30
A*02:326	0	0	0	0	0	0	0		X	2011-06-30
A*02:327	0	0	0	0	0	0	0		X	2011-07-27
A*02:328	0	0	0	0	0	0	0		X	2011-08-31
A*02:329	0	0	0	0	0	0	0		X	2011-08-31
A*02:330	0	0	0	0	0	0	0		X	2011-08-31
A*02:331	0	0	0	1	0	0	1	X		2011-08-31

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HLA-A Locus Rare Allele List

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*02:332	0	0	1	0	0	0	1	X		2011-08-31
A*02:333	0	0	0	0	0	0	0		X	2011-09-27
A*02:334	0	0	0	0	0	0	0		X	2011-09-27
A*02:335	0	0	0	0	0	0	0		X	2011-11-28
A*02:336	0	0	0	0	0	0	0		X	2011-11-28
A*03:01N	0	0	1	0	0	0	1	X		2003-02-25
A*03:03N	0	1	0	0	0	0	1	X		1996-05-26
A*03:04	0	0	3	7	0	0	10	X		1998-01-09
A*03:06	1	0	4	0	0	1	6	X		2000-05-18
A*03:09	1	0	5	2	0	1	9	X		2001-05-31
A*03:10	0	4	0	0	0	0	4	X		2002-09-30
A*03:11N	0	0	1	0	0	0	1	X		2003-02-25
A*03:12	0	0	2	0	0	0	2	X		2003-06-17
A*03:13	0	0	2	0	0	0	2	X		2003-10-24
A*03:14	0	0	3	0	0	0	3	X		2003-10-24
A*03:15	0	0	2	0	0	0	2	X		2005-01-31
A*03:16	0	0	7	0	0	1	8	X		2005-01-31
A*03:17	0	0	5	1	0	4	10	X		2005-05-31
A*03:18	0	3	0	0	0	0	3	X		2005-07-28
A*03:19	0	0	0	0	0	0	0		X	2005-08-25
A*03:20	0	0	9	0	0	0	9	X		2005-08-25
A*03:21N	1	0	0	0	0	0	1	X		2005-10-30
A*03:22	0	0	10	0	0	0	10	X		2005-12-30
A*03:23	0	0	0	0	0	0	0		X	2006-04-30
A*03:24	2	0	0	0	0	1	3	X		2006-05-31
A*03:25	0	0	1	0	0	0	1	X		2006-09-27
A*03:26	0	0	3	0	0	0	3	X		2006-12-27
A*03:27	0	0	0	0	0	0	0		X	2007-01-28
A*03:28	0	0	0	0	0	0	0		X	2007-03-28
A*03:29	0	0	1	0	0	0	1	X		2007-03-28
A*03:30	0	0	0	0	0	0	0		X	2007-05-31
A*03:31	0	0	2	0	0	0	2	X		2007-07-31
A*03:32	0	1	0	0	0	0	1	X		2007-07-31
A*03:33	0	0	5	0	0	0	5	X		2007-08-31
A*03:34	0	0	0	0	0	0	0		X	2007-08-31
A*03:35	0	0	0	0	0	0	0		X	2007-08-31
A*03:36N	0	0	0	0	0	0	0		X	2007-09-25
A*03:37	0	0	0	0	0	0	0		X	2007-09-25
A*03:38	0	0	2	0	0	0	2	X		2007-09-25
A*03:39	0	0	0	0	0	0	0		X	2007-12-20
A*03:40	0	0	0	0	0	0	0		X	2008-07-30
A*03:41	0	0	1	0	0	0	1	X		2008-07-30
A*03:42	0	0	0	0	0	0	0		X	2008-08-24

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*03:43	0	0	0	0	0	0	0		X	2008-09-30
A*03:44	0	0	0	0	0	0	0		X	2008-10-24
A*03:45	0	0	0	0	0	0	0		X	2008-11-29
A*03:46	0	0	1	0	0	0	1	X		2008-12-22
A*03:47	0	0	6	0	0	0	6	X		2009-02-28
A*03:48	0	0	1	0	0	0	1	X		2009-02-28
A*03:49	0	0	0	0	0	0	0		X	2009-02-28
A*03:50	0	0	8	0	0	0	8	X		2009-03-31
A*03:51	5	0	1	0	0	0	6	X		2009-03-31
A*03:52	0	0	0	1	0	0	1	X		2009-05-31
A*03:53	0	0	0	0	0	0	0		X	2009-05-31
A*03:54	0	0	0	0	0	0	0		X	2009-05-31
A*03:55	0	0	0	0	0	0	0		X	2009-06-30
A*03:56	0	0	0	0	0	0	0		X	2009-06-30
A*03:57	0	0	0	0	0	0	0		X	2009-06-30
A*03:58	0	0	0	0	0	0	0		X	2009-06-30
A*03:59	0	0	0	0	0	0	0		X	2009-06-30
A*03:60	0	0	0	0	0	0	0		X	2009-08-31
A*03:61	0	0	0	0	0	0	0		X	2009-09-30
A*03:62	0	0	1	0	0	1	2	X		2009-09-30
A*03:63	0	0	0	1	0	0	1	X		2009-10-31
A*03:64	0	0	0	0	0	0	0		X	2009-10-31
A*03:65	0	0	0	0	0	0	0		X	2009-10-31
A*03:66	0	0	0	0	0	0	0		X	2009-10-31
A*03:67	0	0	0	0	0	0	0		X	2009-10-31
A*03:68N	0	0	1	0	0	0	1	X		2009-10-31
A*03:69N	0	0	0	0	0	0	0		X	2009-10-31
A*03:70	1	0	0	0	0	0	1	X		2009-11-30
A*03:71	0	0	0	0	0	0	0		X	2009-11-30
A*03:72	0	0	0	0	0	0	0		X	2009-12-21
A*03:73	0	1	0	0	0	0	1	X		2009-12-21
A*03:74	0	0	2	0	0	0	2	X		2009-12-21
A*03:75	0	0	1	0	0	0	1	X		2010-02-22
A*03:76	0	0	0	0	0	0	0		X	2010-02-22
A*03:77	0	0	1	0	0	0	1	X		2010-05-31
A*03:78	0	0	0	0	0	0	0		X	2010-05-31
A*03:79	0	0	0	0	0	0	0		X	2010-06-30
A*03:80	0	0	0	0	0	0	0		X	2010-06-30
A*03:81	0	0	0	0	0	0	0		X	2010-06-30
A*03:82	0	0	0	0	0	0	0		X	2010-06-30
A*03:83	0	0	0	0	0	0	0		X	2010-07-31
A*03:84	0	0	0	0	0	0	0		X	2010-07-31
A*03:85	0	0	0	0	0	0	0		X	2010-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*03:86	0	0	0	0	0	0	0		X	2010-07-31
A*03:87	0	0	0	0	0	0	0		X	2010-07-31
A*03:88	0	0	3	0	0	0	3	X		2010-07-31
A*03:89	0	0	0	1	0	0	1	X		2010-07-31
A*03:90	0	0	0	0	0	0	0		X	2010-08-31
A*03:91N	0	0	0	0	0	0	0		X	2010-08-31
A*03:92	0	0	0	0	0	0	0		X	2010-08-31
A*03:93	0	0	0	0	0	0	0		X	2010-08-31
A*03:94	0	0	1	0	0	0	1	X		2010-08-31
A*03:95	0	0	0	0	0	0	0		X	2010-08-31
A*03:96	0	0	0	0	0	0	0		X	2010-08-31
A*03:97	0	0	0	0	0	0	0		X	2010-08-31
A*03:98	0	0	0	0	0	0	0		X	2010-08-31
A*03:99	0	0	0	0	0	0	0		X	2010-08-31
A*03:100	0	0	1	0	0	0	1	X		2010-08-31
A*03:101	0	0	0	0	0	0	0		X	2010-08-31
A*03:102	0	0	3	0	0	0	3	X		2010-08-31
A*03:103	0	0	0	0	0	1	1	X		2010-08-31
A*03:104	0	0	0	0	0	0	0		X	2010-08-31
A*03:105	0	0	0	0	0	0	0		X	2010-08-31
A*03:106	0	0	0	0	0	0	0		X	2010-08-31
A*03:107	0	0	0	0	0	0	0		X	2010-08-31
A*03:108	0	0	4	0	0	0	4	X		2010-08-31
A*03:109	0	0	0	0	0	0	0		X	2010-08-31
A*03:110	0	0	0	0	0	0	0		X	2010-08-31
A*03:111	0	0	0	0	0	0	0		X	2010-08-31
A*03:112	0	0	0	0	0	0	0		X	2010-08-31
A*03:113	0	1	0	0	0	0	1	X		2010-10-31
A*03:114	0	0	0	0	0	0	0		X	2010-10-31
A*03:115	0	0	0	0	0	0	0		X	2010-10-31
A*03:116	0	0	0	0	0	0	0		X	2010-11-30
A*03:117	0	0	0	0	0	0	0		X	2010-11-30
A*03:118	0	0	0	0	0	0	0		X	2011-01-31
A*03:119	0	0	0	0	0	0	0		X	2011-02-28
A*03:120	0	0	0	0	0	0	0		X	2011-02-28
A*03:121	0	0	0	0	0	0	0		X	2011-02-28
A*03:122	0	0	0	0	0	0	0		X	2011-02-28
A*03:123	0	0	0	0	0	0	0		X	2011-04-30
A*03:124	0	0	0	0	0	0	0		X	2011-04-30
A*03:125	0	0	0	0	0	0	0		X	2011-04-30
A*03:126	0	0	0	0	0	0	0		X	2011-04-30
A*03:127	0	0	0	0	0	0	0		X	2011-04-30
A*03:128	0	0	0	0	0	0	0		X	2011-05-31

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HLA-A Locus Rare Allele List

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*03:129N	0	0	0	0	0	0	0		X	2011-05-31
A*03:130	0	0	0	0	0	0	0		X	2011-06-30
A*03:131	0	0	0	0	0	0	0		X	2011-06-30
A*03:132	0	0	0	0	0	0	0		X	2011-06-30
A*03:133	1	0	0	0	0	0	1	X		2011-08-31
A*03:135	0	0	0	0	0	0	0		X	2011-12-16
A*11:06	0	0	7	0	0	0	7	X		1999-11-17
A*11:07	0	0	0	0	0	0	0		X	2000-07-31
A*11:10	0	0	6	0	0	0	6	X		2001-01-31
A*11:11	0	0	0	1	0	0	1	X		2001-11-30
A*11:13	0	0	0	0	0	0	0		X	2002-02-20
A*11:14	0	1	0	0	0	0	1	X		2002-09-30
A*11:15	0	1	2	0	0	0	3	X		2003-09-29
A*11:16	0	2	0	0	0	0	2	X		2003-10-24
A*11:17	0	1	0	0	0	0	1	X		2003-10-24
A*11:18	0	0	4	0	0	0	4	X		2004-07-31
A*11:19	0	14	1	0	0	2	17	X		2004-08-25
A*11:20	0	5	1	0	0	1	7	X		2004-12-19
A*11:21N	0	0	0	0	0	0	0		X	2004-12-19
A*11:22	0	1	1	0	0	0	2	X		2005-01-31
A*11:23	0	0	3	0	0	0	3	X		2005-02-18
A*11:24	0	0	1	0	0	1	2	X		2005-11-23
A*11:25	0	0	2	0	0	0	2	X		2006-02-27
A*11:26	0	0	0	0	0	0	0		X	2006-02-27
A*11:27	0	1	0	0	0	0	1	X		2006-04-30
A*11:29	0	0	5	2	0	0	7	X		2006-06-30
A*11:30	0	0	11	0	0	0	11	X		2007-01-28
A*11:31	0	0	0	0	0	0	0		X	2007-04-30
A*11:32	0	1	0	0	0	1	2	X		2007-05-31
A*11:33	0	0	0	0	0	0	0		X	2008-05-31
A*11:34	0	0	1	0	0	0	1	X		2008-05-31
A*11:35	0	2	0	0	0	0	2	X		2008-05-31
A*11:36	0	0	0	0	0	0	0		X	2008-06-30
A*11:37	0	1	0	0	0	0	1	X		2008-07-30
A*11:38	0	0	0	0	0	0	0		X	2008-10-24
A*11:39	0	1	2	0	0	1	4	X		2008-10-24
A*11:40	0	1	0	0	0	0	1	X		2008-12-22
A*11:41	0	0	0	0	0	0	0		X	2009-03-31
A*11:42	0	0	0	0	0	0	0		X	2009-03-31
A*11:43	0	0	0	0	0	0	0		X	2009-04-30
A*11:44	0	6	0	0	0	0	6	X		2009-05-31
A*11:45	0	0	0	0	0	0	0		X	2009-05-31
A*11:46	0	0	0	0	0	0	0		X	2009-05-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*11:47	0	0	1	0	0	0	1	X		2009-06-30
A*11:48	0	0	0	0	0	0	0		X	2009-08-31
A*11:49	0	0	1	0	0	0	1	X		2009-08-31
A*11:50Q	0	0	0	0	0	0	0		X	2009-08-31
A*11:51	0	0	0	0	0	0	0		X	2009-09-30
A*11:52Q	0	0	0	0	0	0	0		X	2009-09-30
A*11:54	0	0	0	0	0	0	0		X	2009-10-31
A*11:55	0	0	0	0	0	0	0		X	2009-10-31
A*11:56	0	0	0	0	0	0	0		X	2010-01-31
A*11:57	0	0	0	0	0	0	0		X	2010-01-31
A*11:58	0	7	0	0	0	0	7	X		2010-02-22
A*11:59	0	0	0	0	0	0	0		X	2010-02-22
A*11:60	0	0	0	0	0	0	0		X	2010-04-30
A*11:61	0	0	0	0	0	0	0		X	2010-05-31
A*11:62	0	0	0	0	0	0	0		X	2010-05-31
A*11:63	0	0	0	0	0	0	0		X	2010-06-30
A*11:64	0	0	0	0	0	0	0		X	2010-06-30
A*11:65	0	1	0	0	0	0	1	X		2010-07-31
A*11:66	0	0	0	0	0	1	1	X		2010-07-31
A*11:67	0	0	1	0	0	0	1	X		2010-07-31
A*11:68	0	0	0	0	0	0	0		X	2010-07-31
A*11:69N	0	0	0	0	0	0	0		X	2010-07-31
A*11:70	0	0	1	0	0	0	1	X		2010-07-31
A*11:71	0	1	0	0	0	0	1	X		2010-08-31
A*11:72	0	0	0	0	0	0	0		X	2010-08-31
A*11:73	0	0	1	0	0	0	1	X		2010-08-31
A*11:74	0	0	0	0	0	0	0		X	2010-08-31
A*11:75	0	0	0	0	0	0	0		X	2010-08-31
A*11:76	0	0	0	0	0	0	0		X	2010-08-31
A*11:77	0	0	0	0	0	0	0		X	2010-08-31
A*11:78N	0	0	0	0	0	0	0		X	2010-09-30
A*11:79	0	0	0	0	0	0	0		X	2010-09-30
A*11:80	0	0	0	0	0	0	0		X	2010-09-30
A*11:81	0	0	1	0	0	0	1	X		2010-10-31
A*11:82	0	0	0	0	0	0	0		X	2010-10-31
A*11:83	0	0	0	0	0	0	0		X	2010-10-31
A*11:84	0	0	0	0	0	0	0		X	2010-10-31
A*11:85	0	1	0	0	0	0	1	X		2010-10-31
A*11:86	0	0	0	0	0	0	0		X	2010-10-31
A*11:87	0	0	0	0	0	0	0		X	2010-11-30
A*11:88	0	0	0	0	0	0	0		X	2010-11-30
A*11:89	0	1	0	0	0	0	1	X		2010-11-30
A*11:90	0	0	0	0	0	0	0		X	2010-11-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*11:91	0	0	0	0	0	0	0		X	2010-11-30
A*11:92	0	0	0	0	0	0	0		X	2010-11-30
A*11:93	0	0	0	0	0	0	0		X	2010-11-30
A*11:94	0	0	0	0	0	0	0		X	2011-01-31
A*11:95	0	0	0	0	0	0	0		X	2011-01-31
A*11:96	0	0	0	0	0	0	0		X	2011-01-31
A*11:97	0	0	0	0	0	0	0		X	2011-01-31
A*11:98	0	0	0	0	0	0	0		X	2011-01-31
A*11:99N	0	0	0	0	0	0	0		X	2011-01-31
A*11:100	0	0	0	0	0	0	0		X	2011-01-31
A*11:101	0	0	0	0	0	0	0		X	2011-01-31
A*11:102	0	0	0	0	0	0	0		X	2011-01-31
A*11:103	0	0	0	0	0	0	0		X	2011-02-28
A*11:104	0	0	0	0	0	0	0		X	2011-04-30
A*11:105	0	0	0	0	0	0	0		X	2011-04-30
A*11:106	0	0	0	0	0	0	0		X	2011-04-30
A*11:107	0	0	0	0	0	0	0		X	2011-07-27
A*11:108	0	0	0	0	0	0	0		X	2011-08-31
A*11:109N	0	0	1	0	0	0	1	X		2011-08-31
A*11:110	0	0	0	0	0	0	0		X	2011-11-28
A*11:111	0	0	0	0	0	0	0		X	2011-12-16
A*11:112	0	0	0	0	0	0	0		X	2011-12-16
A*23:03	10	0	2	2	0	1	15	X		1999-06-08
A*23:04	10	0	3	1	0	5	19	X		1999-11-17
A*23:07N	0	0	0	0	0	0	0		X	2001-04-30
A*23:08N	0	0	0	0	0	0	0		X	2001-06-30
A*23:09	2	0	0	0	0	1	3	X		2002-01-28
A*23:10	0	0	0	0	0	1	1	X		2003-06-17
A*23:11N	5	0	1	1	0	1	8	X		2003-10-24
A*23:12	0	0	4	0	0	0	4	X		2003-11-30
A*23:13	0	0	10	2	0	1	13	X		2005-08-25
A*23:14	0	1	0	0	0	0	1	X		2005-09-23
A*23:16	0	0	0	0	0	0	0		X	2007-05-31
A*23:18	0	0	7	0	0	0	7	X		2007-11-30
A*23:20	0	0	0	0	0	0	0		X	2009-01-31
A*23:21	0	0	0	0	0	0	0		X	2009-03-31
A*23:22	0	0	0	0	0	0	0		X	2009-07-31
A*23:23	0	0	0	0	0	0	0		X	2009-10-31
A*23:24	0	0	0	0	0	0	0		X	2009-10-31
A*23:25	0	0	0	0	0	0	0		X	2009-10-31
A*23:26	0	0	0	0	0	0	0		X	2010-05-31
A*23:27	0	0	0	0	0	0	0		X	2010-07-31
A*23:28	0	0	0	0	0	1	1	X		2010-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*23:29	0	0	1	0	0	0	1	X		2010-07-31
A*23:30	0	0	1	0	0	0	1	X		2010-07-31
A*23:31	2	0	0	0	0	0	2	X		2010-07-31
A*23:32	0	0	0	0	0	0	0		X	2010-10-31
A*23:33	0	0	0	0	0	0	0		X	2010-11-30
A*23:34	1	0	0	0	0	0	1	X		2010-11-30
A*23:35	0	0	0	0	0	0	0		X	2010-11-30
A*23:36	0	0	0	0	0	0	0		X	2010-11-30
A*23:37	0	0	0	0	0	0	0		X	2011-01-31
A*23:38N	0	0	0	0	0	0	0		X	2011-01-31
A*23:39	0	0	0	0	0	0	0		X	2011-02-28
A*23:40	0	0	0	0	0	0	0		X	2011-02-28
A*23:41	0	0	0	0	0	0	0		X	2011-04-30
A*23:42	0	0	0	0	0	0	0		X	2011-04-30
A*23:43	0	0	0	0	0	0	0		X	2011-04-30
A*23:44	0	0	0	0	0	0	0		X	2011-04-30
A*23:45	1	0	0	0	0	0	1	X		2011-04-30
A*23:46	0	0	1	0	0	0	1	X		2011-06-30
A*23:47	0	0	0	0	0	0	0		X	2011-08-31
A*23:48	0	0	0	0	0	0	0		X	2011-12-16
A*23:49	0	0	0	0	0	0	0		X	2011-12-16
A*23:50	0	0	0	0	0	0	0		X	2011-12-16
A*24:02Q	0	0	0	0	0	0	0		X	2002-06-27
A*24:06	1	1	5	3	0	1	11	X		1995-01-13
A*24:09N	1	0	9	0	1	0	11	X		1995-11-17
A*24:11N	0	3	6	0	0	0	9	X		1996-04-20
A*24:18	0	0	4	1	0	1	6	X		1998-09-10
A*24:19	0	0	0	0	0	0	0		X	1998-09-10
A*24:21	0	1	3	0	0	1	5	X		1999-01-04
A*24:24	3	0	0	0	0	0	3	X		1999-04-30
A*24:27	0	0	0	0	0	1	1	X		2000-02-24
A*24:30	0	12	5	1	0	0	18	X		2000-08-31
A*24:34	0	0	0	3	0	0	3	X		2001-11-30
A*24:35	0	0	10	0	0	2	12	X		2001-12-20
A*24:36N	1	0	1	0	0	1	3	X		2002-03-28
A*24:37	0	15	1	0	0	3	19	X		2002-09-30
A*24:38	0	0	1	12	0	6	19	X		2002-11-30
A*24:39	0	0	0	0	0	0	0		X	2003-07-31
A*24:40N	0	0	0	0	0	0	0		X	2003-10-24
A*24:41	0	0	0	0	0	0	0		X	2003-10-24
A*24:42	0	0	0	0	0	0	0		X	2004-02-29
A*24:43	0	0	10	0	0	4	14	X		2004-06-25
A*24:44	0	0	0	0	0	0	0		X	2004-07-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*24:45N	0	0	0	0	0	0	0		X	2004-07-31
A*24:46	0	0	4	0	0	1	5	X		2004-08-25
A*24:47	0	0	7	0	0	0	7	X		2004-12-19
A*24:48N	0	0	0	0	0	0	0		X	2004-12-19
A*24:49	0	0	0	0	0	0	0		X	2004-12-19
A*24:50	0	0	0	2	0	0	2	X		2005-01-31
A*24:51	0	0	0	0	0	0	0		X	2005-02-18
A*24:52	0	0	3	0	0	0	3	X		2005-04-29
A*24:54	0	0	0	0	0	0	0		X	2005-06-30
A*24:55	0	0	1	0	0	0	1	X		2005-10-30
A*24:56	0	0	6	1	0	0	7	X		2005-10-30
A*24:57	0	1	10	0	0	2	13	X		2005-10-30
A*24:58	0	0	16	0	0	1	17	X		2005-12-30
A*24:59	0	0	1	0	0	0	1	X		2006-01-27
A*24:60N	0	0	0	0	0	0	0		X	2006-01-27
A*24:61	0	0	0	0	0	0	0		X	2006-02-27
A*24:62	0	0	0	0	0	0	0		X	2006-02-27
A*24:63	0	0	0	0	0	0	0		X	2006-04-30
A*24:64	1	10	0	0	0	1	12	X		2006-05-31
A*24:66	0	0	0	0	0	0	0		X	2006-06-30
A*24:67	0	0	0	0	0	0	0		X	2006-10-31
A*24:68	0	0	0	0	0	0	0		X	2006-11-30
A*24:69	0	0	0	0	0	0	0		X	2007-01-28
A*24:70	0	0	0	0	0	0	0		X	2007-01-28
A*24:71	0	0	2	0	0	1	3	X		2007-01-28
A*24:72	0	0	2	4	0	2	8	X		2007-03-28
A*24:73	0	0	0	0	0	0	0		X	2007-03-28
A*24:74	0	0	0	0	0	0	0		X	2007-03-28
A*24:75	0	0	0	0	0	0	0		X	2007-03-28
A*24:76	0	0	0	0	0	0	0		X	2007-03-28
A*24:77	0	1	0	0	0	0	1	X		2007-05-31
A*24:78	0	0	0	0	0	0	0		X	2007-05-31
A*24:79	0	0	0	3	0	0	3	X		2007-06-22
A*24:80	0	0	0	0	0	0	0		X	2007-07-31
A*24:82	0	1	0	0	0	0	1	X		2007-07-31
A*24:83N	0	0	0	0	0	0	0		X	2007-09-25
A*24:84N	0	0	2	0	0	0	2	X		2007-11-30
A*24:85	0	0	0	0	0	0	0		X	2008-01-31
A*24:86N	0	0	0	0	0	0	0		X	2008-03-26
A*24:87	0	0	1	0	0	1	2	X		2008-05-31
A*24:88	0	1	0	0	0	0	1	X		2008-05-31
A*24:89	0	0	0	0	0	0	0		X	2008-05-31
A*24:90N	3	0	3	0	0	1	7	X		2008-05-31

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HLA-A Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 1,121,433 HLA-A 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 (< 1:50,000)	Zero	Publish Date
A*24:91	0	0	0	0	0	0	0		X	2008-06-30
A*24:92	0	0	0	0	0	0	0		X	2008-08-24
A*24:93	0	0	0	0	0	0	0		X	2008-08-24
A*24:94	0	0	0	1	0	0	1	X		2008-09-30
A*24:96	0	0	0	0	0	0	0		X	2008-11-29
A*24:97	0	2	0	0	0	0	2	X		2008-12-22
A*24:98	0	0	0	0	0	0	0		X	2009-01-31
A*24:99	0	0	0	0	0	0	0		X	2009-01-31
A*24:100	0	0	0	0	0	0	0		X	2010-04-30
A*24:101	0	0	0	0	0	0	0		X	2010-04-30
A*24:102	0	0	0	0	0	0	0		X	2010-04-30
A*24:103	0	0	0	0	0	0	0		X	2010-04-30
A*24:104	0	0	0	0	0	0	0		X	2010-04-30
A*24:105	0	0	1	0	0	0	1	X		2010-04-30
A*24:106	0	0	0	0	0	0	0		X	2010-04-30
A*24:107	0	0	0	0	0	1	1	X		2010-04-30
A*24:108	0	0	1	0	0	0	1	X		2010-04-30
A*24:109	0	0	0	0	0	0	0		X	2010-04-30
A*24:110	0	0	0	0	0	0	0		X	2010-04-30
A*24:111	0	0	0	0	0	0	0		X	2010-04-30
A*24:112	0	0	0	0	0	0	0		X	2010-04-30
A*24:113	0	0	0	0	0	0	0		X	2010-04-30
A*24:114	0	0	0	0	0	0	0		X	2010-04-30
A*24:115	0	0	0	0	0	0	0		X	2010-04-30
A*24:116	0	0	0	0	0	0	0		X	2010-04-30
A*24:117	0	0	0	0	0	0	0		X	2010-04-30
A*24:118	0	0	0	0	0	0	0		X	2010-04-30
A*24:119	0	0	0	0	0	0	0		X	2010-04-30
A*24:120	0	0	0	0	0	0	0		X	2010-04-30
A*24:121	0	0	1	0	0	0	1	X		2010-04-30
A*24:122	0	0	0	0	0	0	0		X	2010-04-30
A*24:123	0	0	0	0	0	0	0		X	2010-04-30
A*24:124	0	0	0	0	0	0	0		X	2010-04-30
A*24:125	0	0	0	0	0	0	0		X	2010-04-30
A*24:126	0	0	0	1	0	0	1	X		2010-04-30
A*24:127	0	0	0	0	0	0	0		X	2010-04-30
A*24:128	0	0	0	0	0	0	0		X	2010-04-30
A*24:129	0	0	0	0	0	0	0		X	2010-04-30
A*24:130	0	0	0	0	0	0	0		X	2010-04-30
A*24:131	0	1	0	0	0	0	1	X		2010-04-30
A*24:132N	0	0	0	0	0	0	0		X	2010-04-30
A*24:133	0	0	0	0	0	0	0		X	2010-04-30
A*24:134	0	0	0	0	0	0	0		X	2010-04-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*24:135	0	0	0	0	0	0	0		X	2010-04-30
A*24:136	0	0	1	0	0	0	1	X		2010-04-30
A*24:137	0	0	0	0	0	0	0		X	2010-04-30
A*24:138	0	0	0	3	0	0	3	X		2010-04-30
A*24:139	0	0	0	0	0	0	0		X	2010-04-30
A*24:140	0	0	0	0	0	0	0		X	2010-04-30
A*24:141	0	0	0	0	0	0	0		X	2010-04-30
A*24:142	0	0	0	0	0	0	0		X	2010-05-31
A*24:143	0	0	0	0	0	0	0		X	2010-05-31
A*24:144	0	0	0	0	0	0	0		X	2010-05-31
A*24:145	0	0	0	0	0	0	0		X	2010-07-31
A*24:146	0	0	0	0	0	0	0		X	2010-08-31
A*24:147	0	0	1	0	0	0	1	X		2010-08-31
A*24:148	0	0	0	0	0	0	0		X	2010-08-31
A*24:149	0	0	0	0	0	0	0		X	2010-08-31
A*24:150	0	0	0	0	0	0	0		X	2010-08-31
A*24:151	0	0	0	0	0	0	0		X	2010-08-31
A*24:152	0	0	0	0	0	0	0		X	2010-08-31
A*24:153	0	0	0	0	0	0	0		X	2010-09-30
A*24:154	0	0	0	0	0	0	0		X	2010-09-30
A*24:155N	0	0	0	0	0	0	0		X	2010-09-30
A*24:156	0	1	0	0	0	0	1	X		2010-10-31
A*24:157	0	0	0	0	0	0	0		X	2010-10-31
A*24:158N	0	0	0	0	0	0	0		X	2010-10-31
A*24:159	0	0	0	1	0	0	1	X		2010-10-31
A*24:160	0	0	1	0	0	0	1	X		2010-11-30
A*24:161	0	0	0	0	0	0	0		X	2010-11-30
A*24:162	0	0	0	0	0	0	0		X	2010-11-30
A*24:163N	0	0	0	0	0	0	0		X	2010-11-30
A*24:164	0	0	0	0	0	0	0		X	2010-11-30
A*24:165	0	1	0	0	0	0	1	X		2010-11-30
A*24:166	0	0	0	0	0	0	0		X	2010-11-30
A*24:167	0	0	0	0	0	0	0		X	2010-11-30
A*24:168	0	0	0	0	0	0	0		X	2010-11-30
A*24:169	0	0	0	0	0	0	0		X	2010-11-30
A*24:170	0	0	0	0	0	0	0		X	2010-11-30
A*24:171	0	0	0	0	0	0	0		X	2010-12-22
A*24:172	0	0	0	0	0	0	0		X	2011-01-31
A*24:173	0	0	0	0	0	0	0		X	2011-02-28
A*24:174	0	0	0	0	0	0	0		X	2011-02-28
A*24:175	0	0	0	0	0	0	0		X	2011-02-28
A*24:176	0	0	0	0	0	0	0		X	2011-02-28
A*24:177	0	0	0	0	0	0	0		X	2011-02-28

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*24:178	0	0	0	0	0	0	0		X	2011-04-30
A*24:179	0	0	0	1	0	0	1	X		2011-04-30
A*24:180	0	0	0	1	0	0	1	X		2011-04-30
A*24:181	0	0	0	0	0	0	0		X	2011-04-30
A*24:182	0	0	0	0	0	0	0		X	2011-04-30
A*24:183N	0	0	0	0	0	0	0		X	2011-07-27
A*24:184	0	0	0	0	0	0	0		X	2011-08-31
A*24:185N	0	0	0	0	0	0	0		X	2011-09-27
A*24:186	0	0	0	0	0	0	0		X	2011-09-27
A*24:187	0	0	0	0	0	0	0		X	2011-12-16
A*24:188	0	0	0	0	0	0	0		X	2011-12-16
A*24:189	0	0	0	0	0	0	0		X	2011-12-16
A*24:190	0	0	0	0	0	0	0		X	2011-12-16
A*25:04	0	0	2	0	0	0	2	X		2001-07-31
A*25:05	0	0	0	0	0	0	0		X	2006-06-30
A*25:06	0	0	1	1	0	0	2	X		2006-09-27
A*25:07	0	0	0	0	0	0	0		X	2008-10-24
A*25:08	0	0	1	0	0	0	1	X		2008-12-22
A*25:09	0	0	0	0	0	0	0		X	2009-06-30
A*25:10	0	0	1	0	0	0	1	X		2009-07-31
A*25:11	0	0	1	0	0	0	1	X		2009-12-21
A*25:12N	0	0	0	0	0	0	0		X	2010-02-22
A*25:13	0	0	0	0	0	0	0		X	2010-02-22
A*25:14	0	0	0	0	0	0	0		X	2010-10-31
A*25:15	0	0	0	0	0	0	0		X	2010-10-31
A*25:16	0	0	0	0	0	0	0		X	2010-11-30
A*26:04	0	1	0	0	0	0	1	X		1993-07-27
A*26:06	0	17	0	0	0	5	22	X		1995-07-25
A*26:10	0	8	0	0	0	1	9	X		1997-07-10
A*26:11N	0	0	0	0	0	0	0		X	1997-10-29
A*26:13	1	0	12	0	0	2	15	X		1999-04-30
A*26:14	0	10	5	2	0	1	18	X		1999-11-17
A*26:16	0	0	6	1	0	1	8	X		2000-10-23
A*26:19	3	0	0	0	0	0	3	X		2003-08-26
A*26:20	0	17	0	0	0	0	17	X		2004-03-22
A*26:21	0	0	0	0	0	0	0		X	2004-04-30
A*26:22	0	0	0	0	0	0	0		X	2004-06-25
A*26:23	0	0	0	0	0	0	0		X	2004-07-31
A*26:24	0	0	0	0	0	0	0		X	2005-01-31
A*26:25N	0	0	0	0	0	1	1	X		2005-04-29
A*26:26	0	0	0	0	0	0	0		X	2005-04-29
A*26:27	1	0	0	7	0	1	9	X		2005-10-30
A*26:28	0	0	1	0	0	1	2	X		2006-02-27

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*26:29	0	0	1	0	0	0	1	X		2006-04-30
A*26:30	6	0	0	0	0	1	7	X		2006-04-30
A*26:31	1	0	5	0	0	0	6	X		2006-05-31
A*26:32	0	2	0	0	0	0	2	X		2006-07-31
A*26:33	0	1	0	0	0	0	1	X		2006-08-23
A*26:34	0	2	0	0	0	0	2	X		2006-11-30
A*26:35	0	4	0	0	0	0	4	X		2007-04-30
A*26:36	0	2	0	0	0	0	2	X		2008-04-29
A*26:37	0	0	0	0	0	0	0		X	2008-04-29
A*26:38	0	0	0	0	0	0	0		X	2009-03-31
A*26:39	0	0	4	0	0	0	4	X		2009-04-30
A*26:40	0	0	0	0	0	0	0		X	2009-05-31
A*26:41	0	0	0	1	0	0	1	X		2009-09-30
A*26:42	3	0	0	0	0	0	3	X		2009-10-31
A*26:43	0	0	1	0	0	0	1	X		2010-01-31
A*26:45	0	0	0	0	0	1	1	X		2010-02-22
A*26:46	0	0	0	0	0	0	0		X	2010-04-30
A*26:47	0	0	0	0	0	0	0		X	2010-06-30
A*26:48	0	0	0	0	0	0	0		X	2010-06-30
A*26:49	0	0	2	0	0	0	2	X		2010-06-30
A*26:50	0	0	0	0	0	0	0		X	2010-06-30
A*26:51	0	0	0	0	0	0	0		X	2010-08-31
A*26:52	0	1	0	0	0	1	2	X		2010-08-31
A*26:53	0	0	0	0	0	0	0		X	2010-08-31
A*26:54	0	0	0	0	0	0	0		X	2010-08-31
A*26:55	0	0	0	0	0	0	0		X	2010-08-31
A*26:56	0	0	0	0	0	0	0		X	2010-09-30
A*26:57	0	0	0	0	0	0	0		X	2010-10-31
A*26:58	0	0	0	0	0	0	0		X	2010-10-31
A*26:59	0	0	1	0	0	0	1	X		2010-10-31
A*26:60N	0	0	1	0	0	0	1	X		2010-10-31
A*26:61	0	0	0	0	0	0	0		X	2010-11-30
A*26:62	0	0	1	0	0	1	2	X		2010-11-30
A*26:63	0	2	0	0	0	0	2	X		2010-11-30
A*26:64	0	0	0	0	0	0	0		X	2010-11-30
A*26:65	0	0	0	0	0	0	0		X	2010-11-30
A*26:66	0	0	0	0	0	0	0		X	2011-01-31
A*26:67	0	0	0	0	0	0	0		X	2011-02-28
A*26:68	0	0	0	0	0	0	0		X	2011-02-28
A*26:69	0	0	0	0	0	0	0		X	2011-04-30
A*26:70	0	0	0	0	0	0	0		X	2011-08-31
A*26:71N	0	0	0	0	0	0	0		X	2011-12-16
A*26:72	0	0	0	0	0	0	0		X	2011-12-16

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*29:01N	0	0	0	0	0	0	0		X	2001-01-31
A*29:04	0	0	21	0	0	1	22	X		1998-03-11
A*29:05	0	0	1	0	0	0	1	X		2001-07-31
A*29:06	0	0	0	0	0	0	0		X	2001-12-20
A*29:07	0	0	4	1	0	0	5	X		2002-09-30
A*29:08N	0	0	0	0	0	0	0		X	2002-01-31
A*29:09	6	0	13	1	0	0	20	X		2003-02-25
A*29:11	8	0	2	3	0	0	13	X		2003-12-15
A*29:13	1	0	0	0	0	0	1	X		2005-01-31
A*29:14	3	0	0	0	0	0	3	X		2005-06-30
A*29:15	2	0	0	0	0	0	2	X		2006-04-30
A*29:16	0	0	0	0	0	0	0		X	2006-11-30
A*29:17	0	0	1	0	0	0	1	X		2007-07-31
A*29:18	0	0	0	0	0	0	0		X	2008-08-24
A*29:19	0	0	0	1	0	0	1	X		2008-12-22
A*29:20	0	0	1	0	0	0	1	X		2009-06-30
A*29:21	0	0	1	0	0	0	1	X		2009-10-31
A*29:22	0	0	0	0	0	0	0		X	2009-11-30
A*29:23	1	0	0	0	0	1	2	X		2010-07-31
A*29:24	0	0	1	0	0	0	1	X		2010-07-31
A*29:25	0	0	0	0	0	0	0		X	2010-08-31
A*29:26	0	0	0	0	0	0	0		X	2010-09-30
A*29:27	0	0	0	0	0	0	0		X	2010-09-30
A*29:28	0	0	0	0	0	0	0		X	2010-11-30
A*29:29	0	0	0	0	0	0	0		X	2011-02-28
A*29:30	0	0	0	0	0	0	0		X	2011-04-30
A*29:31	1	0	0	0	0	0	1	X		2011-04-30
A*29:32	0	0	0	0	0	0	0		X	2011-12-16
A*30:06	0	0	1	0	0	0	1	X		1998-01-09
A*30:11	1	12	7	0	0	0	20	X		2001-02-28
A*30:12	0	0	0	3	0	0	3	X		2002-03-28
A*30:13	0	0	1	0	0	0	1	X		2005-01-31
A*30:14L	0	0	0	0	0	0	0		X	2005-02-18
A*30:15	0	0	6	0	0	0	6	X		2005-02-18
A*30:16	12	0	0	0	0	3	15	X		2006-01-27
A*30:17	0	0	2	0	0	0	2	X		2006-04-30
A*30:18	0	5	0	0	0	0	5	X		2006-08-23
A*30:19	0	0	0	0	0	0	0		X	2006-12-27
A*30:20	0	0	0	0	0	0	0		X	2007-01-28
A*30:22	0	0	2	0	0	0	2	X		2007-06-22
A*30:23	0	0	0	0	0	0	0		X	2007-07-31
A*30:24	0	0	2	0	0	0	2	X		2007-08-31
A*30:25	1	0	0	1	0	0	2	X		2008-04-29

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*30:26	0	0	2	0	0	0	2	X		2008-09-30
A*30:27N	0	0	0	0	0	0	0		X	2008-11-29
A*30:28	5	0	0	0	0	0	5	X		2008-12-22
A*30:29	1	0	10	0	0	0	11	X		2009-05-31
A*30:30	0	0	2	0	0	0	2	X		2009-09-30
A*30:31	1	0	0	0	0	0	1	X		2009-09-30
A*30:32	2	1	0	0	0	0	3	X		2009-10-31
A*30:33	0	0	0	0	0	0	0		X	2009-12-21
A*30:34	1	0	0	0	0	0	1	X		2009-12-21
A*30:35	0	0	0	0	0	0	0		X	2010-01-31
A*30:36	0	0	1	0	0	0	1	X		2010-02-22
A*30:37	0	0	0	0	0	0	0		X	2010-02-22
A*30:38	0	0	0	0	0	0	0		X	2010-05-31
A*30:39	0	0	0	0	0	0	0		X	2010-05-31
A*30:40	0	0	0	0	0	0	0		X	2010-06-30
A*30:41	0	0	0	0	0	0	0		X	2010-06-30
A*30:42	0	0	1	0	0	0	1	X		2010-07-31
A*30:43	0	0	0	0	0	0	0		X	2010-07-31
A*30:44	0	0	1	0	0	0	1	X		2010-07-31
A*30:45	0	0	0	0	0	1	1	X		2010-08-31
A*30:46	0	0	0	0	0	0	0		X	2010-08-31
A*30:47	0	0	0	1	0	0	1	X		2010-11-30
A*30:48	0	0	1	0	0	0	1	X		2010-11-30
A*30:49	0	0	0	0	0	0	0		X	2010-11-30
A*30:50	0	0	0	0	0	1	1	X		2010-11-30
A*30:51	0	0	1	1	0	0	2	X		2010-11-30
A*30:52	0	0	0	0	0	0	0		X	2011-02-28
A*30:53	0	0	0	0	0	0	0		X	2011-04-30
A*30:54	0	0	0	0	0	0	0		X	2011-04-30
A*30:55	0	1	0	0	0	0	1	X		2011-04-30
A*30:56	0	0	0	0	0	0	0		X	2011-12-16
A*30:57	0	0	0	0	0	0	0		X	2011-12-16
A*30:58	0	0	0	0	0	0	0		X	2011-12-16
A*31:03	1	0	1	0	0	0	2	X		1998-09-10
A*31:05	0	1	1	0	0	0	2	X		2000-01-31
A*31:07	0	0	0	11	0	4	15	X		2002-04-30
A*31:10	0	0	0	2	0	1	3	X		2004-08-31
A*31:11	0	14	0	0	0	2	16	X		2004-12-19
A*31:13	0	8	0	0	0	1	9	X		2005-09-23
A*31:14N	0	0	1	0	0	0	1	X		2006-08-23
A*31:17	0	0	0	0	0	0	0		X	2007-03-28
A*31:19	0	0	0	0	0	0	0		X	2007-07-31
A*31:20	0	0	7	0	0	0	7	X		2007-09-25

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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 (< 1:50,000)	Zero	Publish Date
A*31:21	0	0	1	0	0	0	1	X		2007-09-25
A*31:22	0	0	0	0	0	0	0		X	2008-03-26
A*31:23	0	0	1	0	0	0	1	X		2008-07-30
A*31:24	0	1	0	0	0	0	1	X		2008-12-21
A*31:25	0	0	0	0	0	0	0		X	2009-04-30
A*31:26	0	0	5	0	0	0	5	X		2009-06-30
A*31:27	0	0	3	0	0	0	3	X		2009-06-30
A*31:28	0	0	1	0	0	0	1	X		2009-10-31
A*31:29	0	0	0	0	0	0	0		X	2010-01-31
A*31:30	0	0	0	1	0	0	1	X		2010-01-31
A*31:31	0	0	0	0	0	0	0		X	2010-02-22
A*31:32	0	0	0	0	0	0	0		X	2010-05-31
A*31:33	0	0	0	0	0	0	0		X	2010-05-31
A*31:34	0	0	0	0	0	0	0		X	2010-05-31
A*31:35	0	0	0	0	0	0	0		X	2010-06-30
A*31:36	0	0	0	4	0	0	4	X		2010-06-30
A*31:37	1	0	0	0	0	0	1	X		2010-06-30
A*31:38	0	0	0	0	0	0	0		X	2010-07-31
A*31:39	0	0	0	0	0	0	0		X	2010-07-31
A*31:40	0	0	1	1	0	0	2	X		2010-07-31
A*31:41	0	0	0	1	0	0	1	X		2010-08-31
A*31:42	0	0	0	0	0	0	0		X	2010-08-31
A*31:43	0	0	0	0	0	0	0		X	2010-08-31
A*31:44	0	0	0	0	0	0	0		X	2010-08-31
A*31:45	0	0	0	0	0	0	0		X	2010-08-31
A*31:46	0	0	0	0	0	0	0		X	2010-08-31
A*31:47	0	0	0	0	0	0	0		X	2010-10-31
A*31:48	0	0	1	0	0	0	1	X		2010-11-30
A*31:49	0	0	0	0	0	0	0		X	2010-11-30
A*31:50	0	0	0	0	0	0	0		X	2011-01-31
A*31:51	0	0	0	0	0	0	0		X	2011-04-30
A*31:52	0	0	0	0	0	0	0		X	2011-04-30
A*31:53	0	0	0	0	0	0	0		X	2011-04-30
A*31:54	0	0	0	2	0	0	2	X		2011-04-30
A*31:55	0	0	0	0	0	0	0		X	2011-07-27
A*31:56	0	0	0	0	0	0	0		X	2011-09-27
A*31:58	0	0	0	0	0	0	0		X	2011-12-16
A*31:59	0	0	0	0	0	0	0		X	2011-12-16
A*32:05	0	0	1	0	0	0	1	X		2000-01-31
A*32:06	1	0	15	1	0	2	19	X		2000-03-31
A*32:09	1	0	1	0	0	0	2	X		2005-03-22
A*32:10	0	0	0	0	0	0	0		X	2005-06-30
A*32:11Q	0	1	0	0	0	0	1	X		2005-12-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*32:12	0	0	0	0	0	0	0		X	2006-07-31
A*32:13	0	0	1	0	0	0	1	X		2006-08-23
A*32:14	0	0	0	0	0	0	0		X	2006-11-30
A*32:15	0	0	0	0	0	0	0		X	2007-01-28
A*32:16	0	0	1	1	0	0	2	X		2008-02-27
A*32:17	1	0	3	0	0	1	5	X		2008-09-30
A*32:18	0	0	3	0	0	1	4	X		2008-12-22
A*32:19N	0	0	0	1	0	0	1	X		2009-04-30
A*32:20	0	0	0	0	0	0	0		X	2009-05-31
A*32:21	0	0	0	1	0	1	2	X		2009-12-21
A*32:22	0	0	1	0	0	0	1	X		2010-01-31
A*32:23	0	0	0	0	0	0	0		X	2010-04-30
A*32:24	0	0	0	0	0	0	0		X	2010-06-30
A*32:25	0	0	0	0	0	0	0		X	2010-06-30
A*32:26	0	0	1	0	0	0	1	X		2010-07-31
A*32:27N	0	0	0	0	0	0	0		X	2010-08-31
A*32:28	0	0	0	0	0	0	0		X	2010-08-31
A*32:29	0	0	0	0	0	0	0		X	2010-08-31
A*32:30	0	0	0	0	0	0	0		X	2010-08-31
A*32:31	0	0	2	0	0	0	2	X		2010-10-31
A*32:32	0	1	0	0	0	0	1	X		2011-01-31
A*32:33	0	0	0	0	0	0	0		X	2011-01-31
A*32:34	0	0	0	0	0	0	0		X	2011-01-31
A*32:35	0	0	0	0	0	0	0		X	2011-02-28
A*32:36	0	0	0	0	0	0	0		X	2011-04-30
A*32:37	0	0	0	0	0	0	0		X	2011-08-31
A*33:03Q	0	0	0	0	0	0	0		X	2009-01-31
A*33:04	0	0	2	1	0	2	5	X		1998-03-11
A*33:06	0	1	0	1	0	0	2	X		2000-08-31
A*33:07	2	0	0	0	0	0	2	X		2003-02-25
A*33:08	0	4	1	2	0	0	7	X		2005-06-30
A*33:09	0	0	5	0	0	0	5	X		2006-11-30
A*33:10	1	2	0	0	0	0	3	X		2007-02-28
A*33:11	2	0	0	0	0	0	2	X		2007-04-30
A*33:12	0	0	5	0	2	0	7	X		2007-05-31
A*33:13	0	2	0	0	0	0	2	X		2007-06-22
A*33:14	0	0	0	0	0	0	0		X	2008-01-31
A*33:15	0	0	0	0	0	0	0		X	2008-02-27
A*33:16	0	0	0	0	0	0	0		X	2008-03-26
A*33:17	0	0	0	0	0	0	0		X	2008-03-26
A*33:18	0	0	0	0	0	0	0		X	2008-05-31
A*33:19	0	1	0	0	0	0	1	X		2008-06-30
A*33:20	0	1	0	0	0	0	1	X		2008-08-24

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*33:21	1	0	0	0	0	0	1	X		2008-09-30
A*33:22	0	1	0	0	0	0	1	X		2008-09-30
A*33:23	0	0	0	0	0	0	0		X	2008-12-22
A*33:24	0	0	1	0	0	0	1	X		2009-05-31
A*33:25	0	0	0	0	0	0	0		X	2009-06-30
A*33:26	0	0	0	0	0	0	0		X	2009-06-30
A*33:27	0	0	0	1	0	0	1	X		2009-07-31
A*33:28	0	1	0	0	0	0	1	X		2009-08-31
A*33:29	0	0	0	0	0	0	0		X	2009-10-31
A*33:30	0	0	0	0	0	0	0		X	2010-04-30
A*33:31	0	0	0	0	0	0	0		X	2010-06-30
A*33:32	0	0	0	0	0	0	0		X	2010-07-31
A*33:33	0	0	0	0	0	0	0		X	2010-08-31
A*33:34	0	0	0	0	0	0	0		X	2010-08-31
A*33:35	0	0	0	0	0	0	0		X	2010-10-31
A*33:36	0	0	0	0	0	0	0		X	2010-10-31
A*33:37	0	0	0	0	0	0	0		X	2010-10-31
A*33:38	0	0	0	0	0	0	0		X	2010-10-31
A*33:39	0	0	0	0	0	0	0		X	2010-10-31
A*33:40	0	0	0	0	0	0	0		X	2010-11-30
A*33:41	0	0	0	0	0	0	0		X	2010-11-30
A*33:42	0	0	0	0	0	0	0		X	2010-11-30
A*33:43	0	0	0	0	0	0	0		X	2011-01-31
A*33:44	0	0	0	0	0	0	0		X	2011-01-31
A*33:45	0	0	0	0	0	0	0		X	2011-04-30
A*33:46	0	0	0	0	0	0	0		X	2011-04-30
A*33:47	0	0	0	0	0	0	0		X	2011-04-30
A*33:48	0	1	0	0	0	0	1	X		2011-05-31
A*33:49	0	0	0	0	0	0	0		X	2011-05-31
A*33:50	0	0	1	0	0	0	1	X		2011-06-30
A*33:51	0	1	0	0	0	0	1	X		2011-06-30
A*33:52	0	1	0	0	0	0	1	X		2011-08-31
A*33:53	0	0	0	0	0	0	0		X	2011-08-31
A*33:54	0	0	0	0	0	0	0		X	2011-12-16
A*34:04	1	0	0	0	0	0	1	X		2000-08-31
A*34:06	0	0	0	0	0	0	0		X	2004-04-30
A*34:07	5	0	0	0	0	0	5	X		2005-10-30
A*34:08	0	0	6	0	0	2	8	X		2006-03-26
A*34:09	1	0	0	0	0	0	1	X		2010-08-31
A*36:02	0	2	8	0	0	0	10	X		2000-07-31
A*36:04	0	0	10	2	0	1	13	X		2002-08-31
A*36:05	0	0	0	0	0	0	0		X	2009-12-21
A*66:04	3	0	1	0	0	3	7	X		2000-11-22

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*66:05	0	0	0	0	0	0	0		X	2005-09-23
A*66:06	0	0	1	0	0	0	1	X		2006-02-27
A*66:07	0	0	0	0	0	0	0		X	2007-10-22
A*66:08	0	0	0	0	0	0	0		X	2008-07-30
A*66:09	0	0	0	0	0	0	0		X	2009-01-31
A*66:10	0	0	0	0	0	0	0		X	2009-04-30
A*66:11	0	0	0	0	0	0	0		X	2009-09-30
A*66:12	0	1	0	0	0	0	1	X		2009-10-31
A*66:13	0	0	1	0	0	0	1	X		2010-02-22
A*66:14	0	0	0	0	0	0	0		X	2010-04-30
A*66:15	0	0	0	0	0	0	0		X	2010-06-30
A*66:16	0	0	0	0	0	0	0		X	2010-10-31
A*68:04	1	0	3	0	0	1	5	X		1997-02-03
A*68:09	0	0	1	0	0	0	1	X		1998-09-10
A*68:11N	0	0	0	0	0	1	1	X		1999-01-06
A*68:13	0	0	9	0	0	0	9	X		1999-06-08
A*68:14	0	0	0	0	0	0	0		X	1999-06-25
A*68:16	0	0	1	14	0	2	17	X		1999-11-17
A*68:18N	0	0	5	0	0	1	6	X		2000-07-31
A*68:19	3	0	8	1	1	0	13	X		2000-07-31
A*68:20	0	0	2	11	0	5	18	X		2001-04-30
A*68:21	0	0	0	1	0	0	1	X		2002-03-28
A*68:22	0	0	10	0	0	1	11	X		2002-04-30
A*68:23	0	0	2	17	1	1	21	X		2002-09-30
A*68:26	1	0	7	0	0	0	8	X		2004-05-24
A*68:27	2	0	1	0	0	0	3	X		2004-06-25
A*68:28	7	0	0	0	0	0	7	X		2005-01-31
A*68:29	0	0	0	3	0	2	5	X		2005-10-30
A*68:30	2	0	1	12	0	3	18	X		2005-10-30
A*68:32	0	0	1	0	0	0	1	X		2006-02-27
A*68:33	0	0	0	0	0	0	0		X	2006-04-30
A*68:34	0	0	0	0	0	0	0		X	2006-06-30
A*68:35	0	0	10	1	0	1	12	X		2006-07-31
A*68:36	0	0	0	14	0	1	15	X		2006-10-31
A*68:37	0	0	6	0	0	0	6	X		2007-01-28
A*68:38	0	0	0	0	0	0	0		X	2007-03-28
A*68:39	2	0	0	0	0	0	2	X		2007-04-30
A*68:40	11	0	0	0	0	0	11	X		2007-06-22
A*68:41	0	0	0	0	0	0	0		X	2007-07-31
A*68:42	0	0	1	0	0	0	1	X		2007-11-30
A*68:43	0	0	0	0	0	0	0		X	2008-05-31
A*68:44	4	0	0	0	0	1	5	X		2008-10-24
A*68:45	0	0	0	0	0	1	1	X		2008-12-22

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
A*68:46	0	0	0	2	0	1	3	X		2008-12-22
A*68:47	0	0	0	0	0	0	0		X	2009-03-31
A*68:48	0	0	1	0	0	0	1	X		2009-05-31
A*68:49N	0	0	0	0	0	0	0		X	2010-02-22
A*68:50	0	1	0	0	0	0	1	X		2010-04-30
A*68:51	0	0	0	0	0	0	0		X	2010-05-31
A*68:52	0	0	0	0	0	0	0		X	2010-06-30
A*68:53	0	0	0	0	0	0	0		X	2010-06-30
A*68:54	6	0	0	0	0	1	7	X		2010-06-30
A*68:55	0	0	1	1	0	0	2	X		2010-07-31
A*68:56	0	0	0	0	0	0	0		X	2010-07-31
A*68:57	0	0	0	0	0	0	0		X	2010-07-31
A*68:58	0	0	0	0	0	0	0		X	2010-07-31
A*68:59N	0	0	0	0	0	0	0		X	2010-08-31
A*68:60	1	0	0	0	0	0	1	X		2010-08-31
A*68:61	0	0	0	0	0	0	0		X	2010-08-31
A*68:62	0	0	0	0	0	0	0		X	2010-08-31
A*68:63	0	0	0	0	0	0	0		X	2010-08-31
A*68:64	0	0	0	0	0	0	0		X	2010-08-31
A*68:65	0	0	1	0	0	0	1	X		2010-08-31
A*68:66	0	0	0	0	0	0	0		X	2010-09-30
A*68:67	3	0	0	0	0	0	3	X		2010-10-31
A*68:68	3	0	0	0	0	2	5	X		2010-10-31
A*68:69	0	0	0	0	0	0	0		X	2010-10-31
A*68:70	0	0	0	0	0	0	0		X	2010-10-31
A*68:71	0	0	0	0	0	0	0		X	2010-11-30
A*68:72	0	0	0	0	0	0	0		X	2010-11-30
A*68:73	0	0	0	0	0	0	0		X	2011-01-31
A*68:74	0	0	0	0	0	0	0		X	2011-01-31
A*68:75	0	0	0	1	0	0	1	X		2011-01-31
A*68:76	0	0	0	0	0	0	0		X	2011-02-28
A*68:77	0	0	0	0	0	0	0		X	2011-02-28
A*68:78	0	0	0	0	0	0	0		X	2011-02-28
A*68:79	0	0	0	0	0	0	0		X	2011-04-30
A*68:80	0	0	0	0	0	0	0		X	2011-04-30
A*68:81	0	0	0	0	0	0	0		X	2011-04-30
A*68:82	0	0	0	0	0	0	0		X	2011-04-30
A*68:83	0	0	0	1	0	0	1	X		2011-04-30
A*68:84	0	0	0	0	0	0	0		X	2011-08-31
A*68:85	0	0	0	0	0	0	0		X	2011-10-31
A*74:04	0	0	0	0	0	0	0		X	1999-11-17
A*74:07	0	0	1	0	1	0	2	X		2001-08-31
A*74:08	2	0	1	12	0	0	15	X		2001-11-30

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-A Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 1,121,433 HLA-A 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 (< 1:50,000)	Zero	Publish Date
A*74:10	10	0	0	0	1	1	12	X		2003-10-24
A*74:12N	0	0	0	0	0	0	0		X	2005-11-23
A*74:13	9	0	3	0	0	2	14	X		2008-09-30
A*74:14N	0	0	0	0	0	0	0		X	2009-04-30
A*74:15	0	0	0	0	0	0	0		X	2010-10-31
A*80:02	0	0	0	0	0	0	0		X	2010-01-31

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