HLA-C Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 873,757 HLA-C 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
C*01:04	0	2	0	0	0	0	2	X		1999-06-08
C*01:05	0	0	1	0	0	0	1	X		2001-02-28
C*01:09	0	0	0	0	0	0	0		X	2002-09-30
C*01:11	0	0	0	0	0	0	0		X	2005-02-18
C*01:12	0	0	1	0	0	1	2	X		2006-02-27
C*01:13	0	0	2	0	0	1	3	X		2006-02-27
C*01:14	0	0	0	0	0	0	0		X	2007-01-28
C*01:15	0	0	1	0	0	0	1	X		2007-02-28
C*01:16	1	4	0	0	0	0	5	X		2007-02-28
C*01:18	0	1	0	0	0	0	1	X		2007-02-28
C*01:19	0	0	0	0	0	0	0		X	2007-05-31
C*01:20	0	1	0	0	0	0	1	X		2008-02-27
C*01:21	0	0	0	0	0	0	0		X	2008-04-29
C*01:22	0	0	0	2	0	0	2	X		2008-05-31
C*01:23	0	0	0	0	0	0	0		X	2009-01-31
C*01:24	0	0	0	0	0	0	0		X	2009-02-28
C*01:25	0	0	0	0	0	0	0		X	2009-02-28
C*01:26	0	0	0	0	0	0	0		X	2009-03-31
C*01:27	0	0	12	1	0	3	16	X		2009-03-31
C*01:28	0	0	1	0	0	0	1	X		2009-05-31
C*01:29	0	0	0	0	0	0	0		X	2009-07-31
C*01:30	0	0	0	0	0	0	0		X	2009-07-31
C*01:31	0	0	0	0	0	0	0		X	2009-09-30
C*01:32	0	0	1	0	0	0	1	X		2009-09-30
C*01:33	0	0	0	0	0	0	0		X	2009-09-30
C*01:34	0	0	0	0	0	0	0		X	2009-11-30
C*01:35	0	0	0	0	0	0	0		X	2010-01-31
C*01:36	0	0	0	0	0	0	0		X	2010-02-22
C*01:37N	0	0	0	0	0	0	0		X	2010-02-22
C*01:38	0	0	0	0	0	0	0		X	2010-04-30
C*01:39	0	0	0	0	0	1	1	X		2010-04-30
C*01:40	0	0	0	0	0	0	0		X	2010-06-30
C*01:41	0	0	0	0	0	0	0		X	2010-08-31
C*01:42	0	0	0	0	1	0	1	X		2010-08-31
C*01:43	0	0	0	0	0	0	0		X	2010-08-31
C*01:44	0	0	0	0	0	0	0		X	2010-08-31
C*01:45	0	0	1	0	0	0	1	X		2010-09-30
C*01:46	0	0	0	0	0	0	0		X	2010-10-31
C*01:47	0	0	0	0	0	0	0		X	2010-11-30
C*01:48	0	0	0	0	0	0	0		X	2010-11-30
C*01:49	0	0	0	0	0	0	0		X	2010-11-30
C*01:50	0	0	0	0	0	0	0		X	2010-11-30
C*01:51	0	0	2	0	0	0	2	X		2010-12-22

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HLA-C Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
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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
C*01:52	0	0	0	0	0	0	0		X	2011-01-31
C*01:53	0	0	1	0	0	0	1	X		2011-01-31
C*01:54	0	0	0	0	0	0	0		X	2011-02-28
C*01:55	0	0	0	0	0	0	0		X	2011-03-22
C*01:56N	0	0	0	0	0	0	0		X	2011-04-30
C*01:57	0	0	0	0	0	0	0		X	2011-04-30
C*01:58	0	0	0	0	0	0	0		X	2011-08-31
C*01:59	0	0	0	0	0	0	0		X	2011-08-31
C*01:60	0	0	0	0	0	0	0		X	2011-08-31
C*01:61	0	0	0	0	0	0	0		X	2011-10-31
C*02:05	0	0	0	0	0	0	0		X	2001-04-30
C*02:09	0	0	1	1	0	0	2	X		2004-02-28
C*02:11	0	0	0	0	0	0	0		X	2005-04-29
C*02:12	2	0	0	0	0	0	2	X		2005-06-30
C*02:13	0	0	1	0	0	1	2	X		2006-01-27
C*02:15	0	0	1	0	0	0	1	X		2006-05-31
C*02:16	10	0	4	0	0	2	16	X		2006-06-30
C*02:17	0	0	0	0	0	0	0		X	2006-12-27
C*02:18	0	0	0	1	0	0	1	X		2007-02-28
C*02:20	0	0	0	1	0	0	1	X		2007-08-31
C*02:21	0	0	0	0	0	0	0		X	2008-03-26
C*02:22	0	0	0	0	0	0	0		X	2008-06-30
C*02:23	0	0	0	0	0	1	1	X		2008-11-29
C*02:24	0	0	0	0	0	0	0		X	2009-03-31
C*02:25Q	0	0	0	0	0	0	0		X	2009-03-31
C*02:26	0	0	5	2	0	0	7	X		2009-03-31
C*02:27	2	0	9	3	0	0	14	X		2009-03-31
C*02:28	0	0	1	0	0	0	1	X		2009-05-31
C*02:29	0	0	0	0	0	0	0		X	2009-07-31
C*02:30	0	0	0	0	0	0	0		X	2009-09-30
C*02:31	0	0	1	1	0	0	2	X		2009-09-30
C*02:32	0	0	0	0	0	0	0		X	2010-02-22
C*02:33	0	0	0	0	0	0	0		X	2010-02-22
C*02:34	0	0	1	0	0	0	1	X		2010-02-22
C*02:35	0	0	0	0	0	0	0		X	2010-02-22
C*02:36	0	0	0	0	0	0	0		X	2010-02-22
C*02:37	0	0	0	0	0	0	0		X	2010-05-31
C*02:38N	0	0	0	0	0	0	0		X	2010-05-31
C*02:39	0	0	0	0	0	0	0		X	2010-05-31
C*02:40	0	0	0	0	0	0	0		X	2010-06-30
C*02:42	0	0	0	0	0	0	0		X	2010-08-31
C*02:43	0	0	0	0	0	1	1	X		2010-08-31
C*02:44	0	0	0	0	0	0	0		X	2010-08-31

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HLA-C Locus Rare Allele List

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*02:45	0	0	0	0	0	0	0		X	2010-08-31
C*02:46	0	0	0	1	0	1	2	X		2010-08-31
C*02:47	0	0	0	0	0	0	0		X	2010-11-30
C*02:48	0	0	0	0	0	0	0		X	2011-04-30
C*02:49	1	0	0	0	0	0	1	X		2011-05-31
C*02:50	0	0	0	0	0	0	0		X	2011-06-30
C*02:51	0	0	0	0	0	0	0		X	2011-06-30
C*02:52N	0	0	0	0	0	0	0		X	2011-06-30
C*02:53	0	0	0	0	0	0	0		X	2011-08-31
C*02:54	0	0	0	0	0	0	0		X	2011-08-31
C*02:55	0	0	0	0	0	0	0		X	2011-10-31
C*03:12	0	0	0	0	0	0	0		X	1999-11-18
C*03:13	0	0	2	0	0	0	2	X		2001-01-31
C*03:15	0	0	0	0	0	0	0		X	2002-03-28
C*03:18	0	0	9	0	0	1	10	X		2004-05-24
C*03:20N	0	0	0	0	0	0	0		X	2005-09-23
C*03:21	0	7	0	0	0	0	7	X		2005-11-23
C*03:22Q	0	0	0	0	0	0	0		X	2005-12-30
C*03:23	0	1	0	0	0	0	1	X		2006-01-27
C*03:24	0	0	0	0	0	0	0		X	2006-02-27
C*03:25	0	0	0	0	0	0	0		X	2006-03-26
C*03:26	0	0	0	0	0	0	0		X	2006-04-30
C*03:27	0	0	0	2	0	0	2	X		2006-06-30
C*03:28	0	0	1	0	0	0	1	X		2006-06-30
C*03:29	0	0	0	0	0	0	0		X	2006-06-30
C*03:30	0	0	2	0	0	0	2	X		2006-07-31
C*03:31	0	0	0	0	0	0	0		X	2006-08-23
C*03:32	0	0	1	0	0	1	2	X		2006-09-27
C*03:33	0	0	0	0	0	0	0		X	2006-11-30
C*03:34	0	2	0	0	0	0	2	X		2006-11-30
C*03:35	0	0	5	1	0	1	7	X		2006-12-27
C*03:36	0	15	0	0	0	2	17	X		2007-02-28
C*03:37	0	3	0	0	0	3	6	X		2007-02-28
C*03:39	0	1	0	0	0	0	1	X		2007-02-28
C*03:41	0	0	0	1	0	0	1	X		2007-04-30
C*03:42	0	0	4	0	0	0	4	X		2007-07-31
C*03:43	1	5	0	0	0	0	6	X		2007-07-31
C*03:44	0	0	7	0	1	0	8	X		2007-07-31
C*03:45	0	0	0	0	0	0	0		X	2007-07-31
C*03:46	0	1	0	0	0	0	1	X		2007-07-31
C*03:47	0	0	0	6	0	1	7	X		2007-11-30
C*03:48	0	0	0	0	0	0	0		X	2008-02-27
C*03:49	0	5	0	1	0	0	6	X		2008-05-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*03:50	0	0	0	0	0	0	0		X	2008-06-30
C*03:51	0	0	0	0	0	0	0		X	2009-03-31
C*03:52	0	0	0	0	0	0	0		X	2009-03-31
C*03:53	0	0	2	0	0	0	2	X		2009-03-31
C*03:54	0	0	0	0	0	0	0		X	2009-03-31
C*03:55	0	0	0	0	0	0	0		X	2009-03-31
C*03:56	0	4	0	0	0	1	5	X		2009-03-31
C*03:57	0	0	0	0	0	0	0		X	2009-03-31
C*03:58	0	0	0	0	0	0	0		X	2009-03-31
C*03:59	0	0	2	0	0	0	2	X		2009-05-31
C*03:60	0	1	0	0	0	0	1	X		2009-05-31
C*03:61	0	0	0	0	0	0	0		X	2009-05-31
C*03:62	0	0	0	0	0	0	0		X	2009-08-31
C*03:63	0	0	0	0	0	0	0		X	2009-09-30
C*03:64	0	0	0	0	0	0	0		X	2009-09-30
C*03:65	0	0	0	0	0	0	0		X	2009-09-30
C*03:66	0	0	0	0	0	0	0		X	2009-09-30
C*03:67	0	0	0	0	0	0	0		X	2009-09-30
C*03:68	0	0	0	0	0	0	0		X	2009-09-30
C*03:69	0	0	1	0	0	0	1	X		2009-09-30
C*03:70	0	0	0	0	0	0	0		X	2009-09-30
C*03:71	0	0	0	0	0	0	0		X	2009-09-30
C*03:72	0	0	0	0	0	0	0		X	2009-09-30
C*03:73	0	0	0	0	0	0	0		X	2009-09-30
C*03:74	0	0	1	0	0	0	1	X		2009-09-30
C*03:75	0	0	2	0	0	0	2	X		2009-09-30
C*03:76	0	1	0	0	0	0	1	X		2009-09-30
C*03:77	0	0	0	0	0	0	0		X	2009-11-30
C*03:78	0	0	0	3	0	2	5	X		2009-11-30
C*03:79	0	0	0	0	0	0	0		X	2009-11-30
C*03:80	0	0	0	1	0	0	1	X		2010-01-31
C*03:81	0	0	1	0	0	0	1	X		2010-02-22
C*03:82	0	0	2	0	0	0	2	X		2010-02-22
C*03:83	0	0	0	0	0	0	0		X	2010-02-22
C*03:84	0	0	0	0	0	0	0		X	2010-02-22
C*03:85	0	0	0	0	0	0	0		X	2010-04-30
C*03:86	0	0	0	0	0	0	0		X	2010-04-30
C*03:87	0	0	4	0	0	0	4	X		2010-04-30
C*03:88	0	6	0	0	0	0	6	X		2010-05-31
C*03:89	0	0	0	0	0	0	0		X	2010-05-31
C*03:90	0	0	0	0	0	0	0		X	2010-05-31
C*03:91	0	0	0	0	0	0	0		X	2010-05-31
C*03:92	0	0	0	0	0	0	0		X	2010-05-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*03:93	0	0	0	0	0	0	0		X	2010-06-30
C*03:94	0	2	0	0	0	0	2	X		2010-06-30
C*03:95	0	0	0	0	0	0	0		X	2010-08-31
C*03:96	0	0	0	0	0	0	0		X	2010-08-31
C*03:97	0	0	0	0	0	0	0		X	2010-08-31
C*03:98	0	0	0	0	0	0	0		X	2010-08-31
C*03:99	0	0	0	0	0	0	0		X	2010-08-31
C*03:100	0	0	0	0	0	0	0		X	2010-08-31
C*03:101	0	0	0	0	0	0	0		X	2010-09-30
C*03:102	0	0	0	0	0	0	0		X	2010-09-30
C*03:103	0	0	0	0	0	0	0		X	2010-10-31
C*03:104	0	0	0	0	0	0	0		X	2010-10-31
C*03:105	0	0	0	0	0	0	0		X	2010-11-30
C*03:106	0	0	0	0	0	0	0		X	2010-11-30
C*03:107	0	0	0	0	0	0	0		X	2010-11-30
C*03:108	0	0	0	0	0	1	1	X		2010-12-22
C*03:109	0	0	0	0	0	0	0		X	2011-01-31
C*03:110	0	0	0	0	0	0	0		X	2011-01-31
C*03:111	0	0	0	0	0	1	1	X		2011-01-31
C*03:112	0	0	0	0	0	0	0		X	2011-01-31
C*03:113	0	0	0	0	0	0	0		X	2011-04-30
C*03:114	0	0	0	0	0	0	0		X	2011-04-30
C*03:115	0	0	0	0	0	0	0		X	2011-04-30
C*03:116	0	0	0	0	0	0	0		X	2011-04-30
C*03:117	0	0	1	0	0	0	1	X		2011-04-30
C*03:118	0	0	0	0	0	0	0		X	2011-05-31
C*03:119	0	0	0	0	0	0	0		X	2011-06-30
C*03:120	0	0	0	0	0	0	0		X	2011-06-30
C*03:121N	0	0	0	0	0	0	0		X	2011-06-30
C*03:122	0	0	0	0	0	0	0		X	2011-06-30
C*03:123	0	0	0	0	0	0	0		X	2011-06-30
C*03:124	0	0	0	0	0	0	0		X	2011-06-30
C*03:125	0	0	0	0	0	0	0		X	2011-06-30
C*03:126	0	0	1	0	0	0	1	X		2011-06-30
C*03:127	0	0	0	0	0	0	0		X	2011-06-30
C*03:128	0	0	0	0	0	0	0		X	2011-06-30
C*03:129	0	0	0	0	0	0	0		X	2011-08-31
C*03:130	0	0	0	0	0	0	0		X	2011-08-31
C*03:131	0	0	0	0	0	0	0		X	2011-08-31
C*03:132	0	0	0	0	0	0	0		X	2011-08-31
C*03:133	0	0	0	0	0	0	0		X	2011-08-31
C*03:134	0	0	0	0	0	0	0		X	2011-08-31
C*03:135	0	0	0	0	0	0	0		X	2011-08-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*03:136	0	0	0	0	0	0	0		X	2011-08-31
C*03:137	0	0	0	0	0	0	0		X	2011-08-31
C*03:138	0	0	0	0	0	0	0		X	2011-08-31
C*03:139	0	0	0	0	0	0	0		X	2011-10-31
C*04:12	0	0	8	0	0	0	8	X		2003-10-24
C*04:14	8	0	0	0	0	0	8	X		2004-01-31
C*04:16	0	0	4	1	0	0	5	X		2005-05-31
C*04:17	0	0	0	4	0	0	4	X		2005-06-30
C*04:18	0	0	1	0	0	0	1	X		2006-01-27
C*04:19	0	0	1	15	0	1	17	X		2006-04-30
C*04:20	0	0	0	0	0	0	0		X	2006-04-30
C*04:23	0	0	0	0	0	0	0		X	2006-07-31
C*04:24	0	0	4	0	0	0	4	X		2006-07-31
C*04:25	0	0	1	0	0	0	1	X		2007-02-28
C*04:26	1	4	0	0	0	0	5	X		2007-02-28
C*04:28	0	0	0	0	0	0	0		X	2007-07-31
C*04:29	0	2	7	0	0	2	11	X		2007-08-31
C*04:30	0	0	2	0	0	0	2	X		2007-09-25
C*04:31	0	0	0	0	0	0	0		X	2007-09-25
C*04:32	2	0	0	0	0	0	2	X		2008-01-31
C*04:33	0	0	4	1	0	1	6	X		2008-05-31
C*04:34	2	0	0	0	0	0	2	X		2008-06-30
C*04:35	0	0	0	0	0	0	0		X	2008-07-30
C*04:36	0	0	3	0	0	0	3	X		2008-07-30
C*04:37	0	0	5	0	0	0	5	X		2008-10-24
C*04:38	0	0	0	0	0	0	0		X	2009-03-31
C*04:39	0	0	0	0	0	0	0		X	2009-03-31
C*04:40	0	0	0	0	0	0	0		X	2009-03-31
C*04:41	0	0	0	0	0	0	0		X	2009-05-31
C*04:42	0	0	0	0	0	0	0		X	2009-07-31
C*04:43	0	0	1	0	0	0	1	X		2009-09-30
C*04:44	0	0	0	0	0	0	0		X	2009-09-30
C*04:45	0	0	0	0	0	0	0		X	2009-09-30
C*04:46	0	0	0	6	0	0	6	X		2009-09-30
C*04:47	0	0	0	0	0	0	0		X	2009-09-30
C*04:48	0	0	0	0	0	0	0		X	2009-09-30
C*04:49	0	0	2	0	0	0	2	X		2009-10-31
C*04:50	0	0	0	0	0	0	0		X	2009-11-30
C*04:51	0	0	0	0	0	0	0		X	2009-11-30
C*04:52	1	0	2	0	0	1	4	X		2009-11-30
C*04:53	0	0	0	0	0	0	0		X	2009-11-30
C*04:54	0	0	3	0	0	0	3	X		2010-01-31
C*04:55	0	0	0	1	0	0	1	X		2010-01-31

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

Total Count = number of times an allele was reported to the NMDP.
Since 1987, 873,757 HLA-C 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
C*04:56	0	0	0	0	0	0	0		X	2010-02-22
C*04:57	0	0	0	0	0	0	0		X	2010-02-22
C*04:58	0	0	0	0	0	0	0		X	2010-02-22
C*04:59Q	0	0	1	0	0	0	1	X		2010-02-22
C*04:60	0	0	0	0	0	0	0		X	2010-02-22
C*04:61	0	0	1	0	0	1	2	X		2010-02-22
C*04:62	0	0	0	0	0	0	0		X	2010-02-22
C*04:63	0	0	3	0	0	0	3	X		2010-05-31
C*04:64	0	0	1	0	0	0	1	X		2010-05-31
C*04:65	0	0	4	0	0	0	4	X		2010-05-31
C*04:66	0	0	0	0	0	0	0		X	2010-05-31
C*04:67	0	0	0	0	0	0	0		X	2010-05-31
C*04:68	0	0	0	0	0	0	0		X	2010-05-31
C*04:69	0	0	0	0	0	0	0		X	2010-05-31
C*04:70	0	0	0	0	0	0	0		X	2010-06-30
C*04:71	0	0	1	1	0	0	2	X		2010-07-31
C*04:72	0	0	0	0	0	0	0		X	2010-08-31
C*04:73	0	0	1	0	0	0	1	X		2010-08-31
C*04:74	0	0	0	0	0	0	0		X	2010-08-31
C*04:75	0	0	0	0	0	0	0		X	2010-08-31
C*04:76	0	0	0	0	0	0	0		X	2010-08-31
C*04:77	0	0	3	0	0	0	3	X		2010-08-31
C*04:78	0	0	0	0	0	0	0		X	2010-08-31
C*04:79	0	0	0	0	0	0	0		X	2010-08-31
C*04:80	0	0	0	0	0	0	0		X	2010-08-31
C*04:81	0	0	0	0	0	0	0		X	2010-09-30
C*04:82	1	0	1	0	0	0	2	X		2010-10-31
C*04:83	0	0	0	0	0	0	0		X	2010-10-31
C*04:84	0	0	0	0	0	0	0		X	2010-10-31
C*04:85	0	0	1	0	0	0	1	X		2011-01-31
C*04:86	0	0	0	0	0	0	0		X	2011-01-31
C*04:87	0	0	0	0	0	0	0		X	2011-01-31
C*04:88N	0	0	0	0	0	0	0		X	2011-01-31
C*04:89	0	0	0	0	0	1	1	X		2011-01-31
C*04:90	0	0	0	0	0	0	0		X	2011-03-22
C*04:91	0	0	0	0	0	0	0		X	2011-04-30
C*04:92	0	0	0	0	0	0	0		X	2011-04-30
C*04:93N	0	0	0	0	0	0	0		X	2011-06-30
C*04:94	0	0	1	0	0	0	1	X		2011-06-30
C*04:95N	0	0	0	0	0	0	0		X	2011-06-30
C*04:96	0	0	0	0	0	0	0		X	2011-06-30
C*04:97	0	0	0	0	0	0	0		X	2011-06-30
C*04:98	0	0	0	0	0	0	0		X	2011-06-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*04:99	0	0	0	0	0	0	0		X	2011-06-30
C*04:100	0	0	0	0	0	0	0		X	2011-06-30
C*04:101	0	0	0	0	0	0	0		X	2011-08-31
C*04:102	0	0	0	0	0	0	0		X	2011-08-31
C*04:103	0	0	1	0	0	0	1	X		2011-08-31
C*04:104	0	0	0	0	0	0	0		X	2011-08-31
C*04:105N	0	0	0	0	0	0	0		X	2011-08-31
C*04:106	0	0	0	0	0	0	0		X	2011-10-31
C*04:107	0	0	0	0	0	0	0		X	2011-12-16
C*05:03	0	0	6	1	0	0	7	X		1999-11-30
C*05:06	0	0	6	0	0	0	6	X		2002-09-30
C*05:11	6	0	2	0	0	1	9	X		2005-03-22
C*05:12	0	0	0	0	0	0	0		X	2005-11-23
C*05:13	0	0	2	0	0	0	2	X		2005-12-30
C*05:15	0	0	0	0	0	0	0		X	2006-12-27
C*05:16	0	0	3	0	0	0	3	X		2007-01-28
C*05:17	0	0	0	0	0	0	0		X	2007-06-22
C*05:18	0	1	0	0	0	0	1	X		2008-01-31
C*05:19	0	0	0	0	0	0	0		X	2008-01-31
C*05:20	0	0	0	2	0	0	2	X		2008-07-30
C*05:21	0	0	0	0	0	0	0		X	2008-09-30
C*05:22	0	1	5	0	0	0	6	X		2008-10-24
C*05:23	0	0	0	0	0	0	0		X	2008-12-22
C*05:24	0	0	0	0	0	0	0		X	2009-02-28
C*05:25	0	0	0	0	0	0	0		X	2009-03-31
C*05:26	0	0	0	0	0	0	0		X	2009-09-30
C*05:27	0	0	2	0	0	1	3	X		2009-09-30
C*05:28	0	0	1	0	0	0	1	X		2009-09-30
C*05:29	0	0	8	0	0	0	8	X		2009-09-30
C*05:30	0	0	0	0	0	0	0		X	2009-09-30
C*05:31	0	0	0	0	0	1	1	X		2009-10-31
C*05:32	0	0	1	0	0	1	2	X		2009-11-30
C*05:33	0	0	0	0	0	0	0		X	2009-11-30
C*05:34	0	0	0	0	0	0	0		X	2009-11-30
C*05:35	0	0	2	0	0	1	3	X		2010-01-31
C*05:36	0	0	11	0	0	1	12	X		2010-01-31
C*05:37	1	0	3	0	1	0	5	X		2010-02-22
C*05:38	0	0	1	0	0	0	1	X		2010-02-22
C*05:39	0	0	1	0	0	0	1	X		2010-02-22
C*05:40	0	0	0	0	0	0	0		X	2010-02-22
C*05:41	0	0	0	0	0	0	0		X	2010-02-22
C*05:42	0	0	2	0	0	0	2	X		2010-02-22
C*05:43	0	0	0	0	0	0	0		X	2010-05-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*05:44	0	0	0	0	0	0	0		X	2010-06-30
C*05:45	0	0	0	0	0	0	0		X	2010-06-30
C*05:46	0	0	4	0	0	0	4	X		2010-08-31
C*05:47	0	0	0	0	0	0	0		X	2010-08-31
C*05:48N	0	0	1	0	0	0	1	X		2010-08-31
C*05:49	0	0	0	0	0	0	0		X	2010-08-31
C*05:50	0	0	0	0	0	0	0		X	2010-08-31
C*05:51Q	0	0	0	0	0	0	0		X	2010-09-30
C*05:52	0	0	0	0	0	0	0		X	2010-10-31
C*05:53	0	0	0	0	0	0	0		X	2010-11-30
C*05:54	0	0	0	0	0	0	0		X	2011-01-31
C*05:55	0	0	4	0	0	0	4	X		2011-01-31
C*05:56	0	0	0	0	0	0	0		X	2011-01-31
C*05:57	0	0	0	0	0	0	0		X	2011-01-31
C*05:58	0	0	0	0	0	0	0		X	2011-01-31
C*05:59	0	0	0	0	0	0	0		X	2011-04-30
C*05:60	0	0	0	0	0	0	0		X	2011-06-30
C*05:61	0	0	0	0	0	0	0		X	2011-06-30
C*05:62	0	0	0	0	0	0	0		X	2011-06-30
C*05:63	0	0	0	0	0	0	0		X	2011-06-30
C*05:64	0	0	0	0	0	0	0		X	2011-08-31
C*05:65	0	0	0	0	0	0	0		X	2011-08-31
C*05:66	0	0	0	0	0	0	0		X	2011-08-31
C*05:67	0	0	0	0	0	0	0		X	2011-08-31
C*05:68	0	0	0	0	0	0	0		X	2011-08-31
C*05:69	0	0	0	0	0	0	0		X	2011-08-31
C*05:70	0	0	0	0	0	0	0		X	2011-08-31
C*05:71	0	0	0	0	0	0	0		X	2011-08-31
C*05:72	0	0	0	0	0	0	0		X	2011-10-31
C*06:05	0	0	1	0	0	0	1	X		1999-02-16
C*06:10	0	0	1	0	0	0	1	X		2003-10-24
C*06:11	0	0	11	1	0	0	12	X		2004-03-22
C*06:12	0	1	0	0	0	0	1	X		2005-04-29
C*06:13	0	0	1	0	0	0	1	X		2005-06-30
C*06:14	0	0	8	0	0	1	9	X		2006-11-30
C*06:15	0	1	0	0	0	0	1	X		2007-02-28
C*06:16N	0	0	2	0	1	0	3	X		2007-02-28
C*06:17	0	0	2	0	0	1	3	X		2006-08-23
C*06:18	0	0	1	0	0	0	1	X		2008-07-30
C*06:19	0	0	1	0	0	0	1	X		2008-10-24
C*06:20	0	0	1	0	0	0	1	X		2009-01-31
C*06:21	0	0	0	0	0	0	0		X	2009-03-31
C*06:22	0	0	0	0	0	0	0		X	2009-03-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*06:23	0	0	6	0	0	1	7	X		2009-03-31
C*06:24	0	0	0	0	0	0	0		X	2009-04-30
C*06:25	0	0	0	0	0	0	0		X	2009-09-30
C*06:26	0	0	0	0	0	0	0		X	2009-09-30
C*06:28	0	0	0	0	0	1	1	X		2009-09-30
C*06:29	0	0	0	0	0	0	0		X	2009-12-21
C*06:30	0	1	10	0	0	0	11	X		2010-01-31
C*06:31	0	0	0	0	0	1	1	X		2010-01-31
C*06:32	0	0	0	0	0	1	1	X		2010-01-31
C*06:33	0	0	0	0	0	0	0		X	2010-02-22
C*06:34	0	0	0	0	0	0	0		X	2010-02-22
C*06:35	0	0	0	0	0	0	0		X	2010-02-22
C*06:36	0	0	0	0	0	0	0		X	2010-02-22
C*06:37	0	0	0	0	0	0	0		X	2010-02-22
C*06:38	0	0	4	0	2	0	6	X		2010-05-31
C*06:39	0	0	0	0	0	2	2	X		2010-05-31
C*06:40	0	0	0	0	0	0	0		X	2010-05-31
C*06:41	0	0	0	0	0	0	0		X	2010-05-31
C*06:42	0	0	0	0	0	0	0		X	2010-05-31
C*06:43	0	0	0	0	0	0	0		X	2010-06-30
C*06:44	0	0	1	0	0	0	1	X		2010-06-30
C*06:45	0	0	0	0	0	0	0		X	2010-06-30
C*06:46N	0	0	0	0	0	0	0		X	2010-07-31
C*06:47	1	0	0	0	0	0	1	X		2010-07-31
C*06:48	0	0	0	0	0	0	0		X	2010-08-31
C*06:49N	0	0	0	0	0	0	0		X	2010-08-31
C*06:50	1	0	0	0	0	0	1	X		2010-08-31
C*06:51	1	0	0	0	0	0	1	X		2010-08-31
C*06:52	0	0	0	0	0	0	0		X	2010-08-31
C*06:53	0	0	0	1	0	0	1	X		2010-08-31
C*06:54	0	0	0	0	0	0	0		X	2010-08-31
C*06:55	0	0	0	0	0	0	0		X	2010-09-30
C*06:56	0	0	0	0	0	0	0		X	2010-10-31
C*06:57	0	0	0	0	0	0	0		X	2010-11-30
C*06:58	0	0	0	0	0	0	0		X	2010-11-30
C*06:59	0	0	2	0	0	0	2	X		2011-01-31
C*06:60	0	0	0	0	0	0	0		X	2011-01-31
C*06:61	0	0	0	0	0	0	0		X	2011-01-31
C*06:62	0	0	0	0	0	0	0		X	2011-04-30
C*06:63	0	0	0	0	0	0	0		X	2011-04-30
C*06:64	0	0	0	0	0	0	0		X	2011-04-30
C*06:65	0	0	1	0	0	0	1	X		2011-06-30
C*06:66	0	0	0	0	0	0	0		X	2011-06-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*06:67	0	0	0	0	0	0	0		X	2011-06-30
C*06:68	0	0	0	0	0	0	0		X	2011-06-30
C*06:69	0	0	0	0	0	0	0		X	2011-08-31
C*07:03	0	0	2	0	0	0	2	X		1992-10-07
C*07:08	0	0	2	0	0	0	2	X		1998-01-09
C*07:09	1	1	8	0	0	1	11	X		1998-03-11
C*07:11	3	0	4	0	0	0	7	X		1998-09-10
C*07:13	0	3	5	0	0	0	8	X		1999-06-25
C*07:14	0	0	0	0	0	0	0		X	1999-06-25
C*07:20	0	0	1	0	0	0	1	X		2003-04-30
C*07:23	0	0	1	0	0	0	1	X		2004-02-29
C*07:24	0	0	13	0	0	0	13	X		2004-02-29
C*07:30	0	0	0	0	0	0	0		X	2005-03-22
C*07:31	0	0	2	0	0	0	2	X		2005-05-31
C*07:32N	0	0	11	0	0	1	12	X		2005-09-23
C*07:33N	1	0	5	0	0	2	8	X		2005-11-23
C*07:36	0	0	9	2	0	0	11	X		2006-01-27
C*07:37	0	0	0	0	0	0	0		X	2006-02-27
C*07:38	0	0	5	0	0	1	6	X		2006-02-27
C*07:39	0	0	0	2	0	0	2	X		2006-05-31
C*07:41	0	0	0	0	0	0	0		X	2006-07-31
C*07:42	0	0	0	0	0	0	0		X	2006-09-27
C*07:43	0	11	1	0	0	0	12	X		2006-10-31
C*07:44	0	0	1	0	0	0	1	X		2006-11-30
C*07:45	0	0	0	0	0	0	0		X	2006-11-30
C*07:46	0	0	16	0	0	0	16	X		2007-01-28
C*07:47	0	1	0	0	0	0	1	X		2007-02-28
C*07:48	0	1	0	0	0	0	1	X		2007-02-28
C*07:49	0	0	0	0	0	0	0		X	2007-04-30
C*07:50	0	0	0	0	0	0	0		X	2007-07-31
C*07:51	1	1	8	0	1	1	12	X		2007-07-31
C*07:52	0	0	0	0	0	0	0		X	2007-09-25
C*07:53	0	0	0	0	0	0	0		X	2007-09-25
C*07:54	0	0	0	0	0	0	0		X	2008-02-27
C*07:55N	0	0	0	0	0	0	0		X	2008-04-29
C*07:56	0	10	0	0	0	2	12	X		2008-04-29
C*07:57	0	0	0	0	0	0	0		X	2008-05-31
C*07:58	0	0	0	0	0	0	0		X	2008-07-30
C*07:59	0	0	0	0	0	0	0		X	2008-07-30
C*07:60	0	0	9	0	0	0	9	X		2008-07-30
C*07:61N	2	0	0	2	0	3	7	X		2008-07-30
C*07:62	0	0	0	0	0	0	0		X	2008-07-30
C*07:63	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
C*07:64	0	0	0	0	0	0	0		X	2008-09-30
C*07:65	1	0	0	0	0	0	1	X		2008-11-29
C*07:66	0	0	0	0	0	0	0		X	2009-01-31
C*07:67	0	1	0	0	0	0	1	X		2009-01-31
C*07:68	0	0	13	0	0	0	13	X		2009-03-31
C*07:69	0	0	0	0	0	0	0		X	2009-03-31
C*07:70	0	0	2	0	0	1	3	X		2009-03-31
C*07:71	1	0	1	0	0	0	2	X		2009-03-31
C*07:72	0	0	12	0	0	1	13	X		2009-03-31
C*07:73	0	0	3	1	0	0	4	X		2009-05-31
C*07:74	0	0	0	0	0	0	0		X	2009-06-30
C*07:75	0	0	0	0	0	0	0		X	2009-07-31
C*07:76	0	0	0	0	0	0	0		X	2009-08-31
C*07:77	0	0	0	0	0	0	0		X	2009-09-30
C*07:78	0	0	0	0	0	0	0		X	2009-09-30
C*07:79	0	0	0	0	0	0	0		X	2009-09-30
C*07:80	0	0	0	0	0	0	0		X	2009-09-30
C*07:81	0	0	0	0	0	0	0		X	2009-09-30
C*07:82	0	0	0	0	0	0	0		X	2009-09-30
C*07:83	0	0	0	0	0	0	0		X	2009-09-30
C*07:84	0	0	0	0	0	0	0		X	2009-09-30
C*07:85	0	0	4	0	0	2	6	X		2009-09-30
C*07:86	0	0	0	0	0	0	0		X	2009-09-30
C*07:87	0	0	0	0	0	0	0		X	2009-09-30
C*07:88	0	0	0	0	0	0	0		X	2009-09-30
C*07:89	0	0	0	0	0	0	0		X	2009-09-30
C*07:90	0	0	0	0	0	0	0		X	2009-09-30
C*07:91	0	0	0	0	0	0	0		X	2009-09-30
C*07:92	0	0	1	0	0	0	1	X		2009-10-31
C*07:93	0	0	5	1	1	1	8	X		2009-10-31
C*07:94	0	0	0	0	0	0	0		X	2009-11-30
C*07:95	0	0	3	0	0	0	3	X		2009-11-30
C*07:96	0	0	0	0	0	0	0		X	2009-11-30
C*07:97	0	0	0	0	0	0	0		X	2009-11-30
C*07:98N	0	0	0	0	0	0	0		X	2009-11-30
C*07:99	0	0	0	2	0	0	2	X		2009-11-30
C*07:100	0	0	0	0	0	0	0		X	2010-04-30
C*07:101	0	0	6	0	0	0	6	X		2010-04-30
C*07:102	0	0	0	0	0	0	0		X	2010-04-30
C*07:103	0	0	0	0	0	0	0		X	2010-04-30
C*07:104N	0	0	11	0	0	0	11	X		2010-04-30
C*07:105	0	0	0	0	0	0	0		X	2010-04-30
C*07:106	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
C*07:107	0	0	0	0	0	0	0		X	2010-04-30
C*07:108	0	0	0	0	0	0	0		X	2010-04-30
C*07:109	0	0	0	0	0	0	0		X	2010-04-30
C*07:110	0	0	0	0	0	0	0		X	2010-04-30
C*07:111	0	0	0	0	0	0	0		X	2010-04-30
C*07:112	2	0	0	2	0	1	5	X		2010-04-30
C*07:113	0	0	0	0	0	0	0		X	2010-04-30
C*07:114	0	0	0	0	0	0	0		X	2010-04-30
C*07:115	0	0	0	0	0	1	1	X		2010-04-30
C*07:116	0	0	0	0	0	0	0		X	2010-04-30
C*07:117	0	0	0	0	0	0	0		X	2010-04-30
C*07:118	0	0	0	0	0	0	0		X	2010-04-30
C*07:119	0	0	5	0	0	0	5	X		2010-04-30
C*07:120	0	0	0	0	0	0	0		X	2010-04-30
C*07:121Q	0	0	0	0	0	0	0		X	2010-04-30
C*07:122	0	0	0	0	0	0	0		X	2010-04-30
C*07:123	0	0	0	0	0	0	0		X	2010-04-30
C*07:124	0	0	1	0	0	0	1	X		2010-04-30
C*07:125	0	0	0	0	0	0	0		X	2010-04-30
C*07:126	0	0	0	0	0	0	0		X	2010-04-30
C*07:127	0	0	0	0	0	0	0		X	2010-04-30
C*07:128	0	0	0	0	0	1	1	X		2010-04-30
C*07:129	0	0	3	0	0	0	3	X		2010-04-30
C*07:130	0	1	0	0	0	0	1	X		2010-04-30
C*07:131	0	0	0	0	0	0	0		X	2010-04-30
C*07:132	0	0	0	0	0	0	0		X	2010-04-30
C*07:133	0	0	0	0	0	0	0		X	2010-04-30
C*07:134	0	0	0	0	0	0	0		X	2010-04-30
C*07:135	0	0	0	0	0	0	0		X	2010-04-30
C*07:136	0	0	0	0	0	0	0		X	2010-04-30
C*07:137	0	0	0	1	0	0	1	X		2010-04-30
C*07:138	0	0	0	0	0	0	0		X	2010-04-30
C*07:139	0	0	0	0	0	0	0		X	2010-04-30
C*07:140	0	0	1	0	0	0	1	X		2010-04-30
C*07:141	2	0	1	0	0	0	3	X		2010-04-30
C*07:142	0	0	0	0	0	0	0		X	2010-04-30
C*07:143	0	0	0	0	0	0	0		X	2010-04-30
C*07:144	0	0	0	0	0	0	0		X	2010-04-30
C*07:145	0	0	0	0	0	0	0		X	2010-04-30
C*07:146	0	0	0	0	0	0	0		X	2010-04-30
C*07:147	0	0	0	0	0	0	0		X	2010-04-30
C*07:148	0	0	0	0	0	0	0		X	2010-05-31
C*07:149	0	0	0	0	0	0	0		X	2010-06-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*07:150Q	0	0	1	0	0	0	1	X		2010-07-31
C*07:151	0	0	1	0	0	0	1	X		2010-07-31
C*07:152N	0	0	0	0	0	0	0		X	2010-08-31
C*07:153	0	0	0	0	0	0	0		X	2010-08-31
C*07:154	0	0	0	0	0	0	0		X	2010-08-31
C*07:155	0	0	1	0	0	1	2	X		2010-08-31
C*07:156	0	0	0	0	0	0	0		X	2010-09-30
C*07:157	0	0	0	0	0	0	0		X	2010-09-30
C*07:158	0	0	0	0	0	0	0		X	2010-09-30
C*07:159	0	0	0	0	0	0	0		X	2010-09-30
C*07:160	0	0	0	0	0	0	0		X	2010-09-30
C*07:161	0	0	0	0	0	0	0		X	2010-10-31
C*07:162	0	0	0	0	0	0	0		X	2010-10-31
C*07:163	0	0	0	0	0	0	0		X	2010-10-31
C*07:164N	0	0	0	0	0	0	0		X	2010-10-31
C*07:165	0	0	0	0	0	0	0		X	2010-10-31
C*07:166	0	0	0	0	0	0	0		X	2010-10-31
C*07:167	0	0	0	0	0	0	0		X	2010-11-30
C*07:168	0	0	0	0	0	0	0		X	2010-11-30
C*07:169	0	0	0	0	0	0	0		X	2010-11-30
C*07:170	0	0	0	0	0	0	0		X	2010-11-30
C*07:171	0	1	0	0	0	0	1	X		2010-12-22
C*07:172	0	0	2	0	0	0	2	X		2011-01-31
C*07:173	0	0	0	0	0	0	0		X	2011-01-31
C*07:174	0	0	0	0	0	0	0		X	2011-01-31
C*07:175	0	0	0	0	0	0	0		X	2011-01-31
C*07:176	0	0	0	0	0	0	0		X	2011-01-31
C*07:177	0	0	0	0	0	0	0		X	2011-01-31
C*07:178	0	0	1	0	0	0	1	X		2011-01-31
C*07:179	0	0	0	0	0	0	0		X	2011-01-31
C*07:180	0	0	0	0	0	0	0		X	2011-01-31
C*07:181	0	0	0	0	0	0	0		X	2011-01-31
C*07:182	0	0	0	0	0	0	0		X	2011-01-31
C*07:183	0	0	0	0	0	0	0		X	2011-01-31
C*07:184	2	0	0	0	0	0	2	X		2011-01-31
C*07:185	0	0	0	0	0	0	0		X	2011-01-31
C*07:186	0	0	0	0	0	0	0		X	2011-03-22
C*07:187	0	0	0	0	0	0	0		X	2011-03-22
C*07:188	0	0	0	0	0	0	0		X	2011-04-30
C*07:189	0	0	0	0	0	0	0		X	2011-04-30
C*07:190	0	0	0	0	0	0	0		X	2011-04-30
C*07:191N	0	0	0	0	0	0	0		X	2011-04-30
C*07:192	0	0	0	0	0	0	0		X	2011-04-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*07:193	0	0	0	0	0	0	0		X	2011-04-30
C*07:194	0	0	0	0	0	0	0		X	2011-04-30
C*07:195	0	0	0	0	0	0	0		X	2011-04-30
C*07:196	0	0	1	0	0	0	1	X		2011-05-31
C*07:197	0	0	0	0	0	1	1	X		2011-05-31
C*07:198N	0	0	0	0	0	0	0		X	2011-06-30
C*07:199	0	0	0	0	0	0	0		X	2011-06-30
C*07:200	0	0	1	0	0	0	1	X		2011-06-30
C*07:201	0	0	0	0	0	0	0		X	2011-06-30
C*07:202	0	0	0	0	0	0	0		X	2011-06-30
C*07:203	0	0	0	0	0	0	0		X	2011-06-30
C*07:204	0	0	0	0	0	0	0		X	2011-06-30
C*07:205	0	0	0	0	0	0	0		X	2011-06-30
C*07:206	0	0	0	0	0	0	0		X	2011-06-30
C*07:207	0	0	0	0	0	0	0		X	2011-06-30
C*07:208	0	0	0	0	0	0	0		X	2011-07-27
C*07:209	0	0	0	0	0	0	0		X	2011-08-31
C*07:210	0	0	0	0	0	0	0		X	2011-08-31
C*07:211	0	0	0	0	0	0	0		X	2011-08-31
C*07:212	0	0	0	0	0	0	0		X	2011-08-31
C*07:213	0	0	0	0	0	0	0		X	2011-08-31
C*07:214	0	0	0	0	0	0	0		X	2011-08-31
C*07:215	0	0	0	0	0	0	0		X	2011-08-31
C*07:216	0	0	0	0	0	0	0		X	2011-08-31
C*07:217	0	0	0	0	0	0	0		X	2011-08-31
C*07:218	0	0	0	0	0	0	0		X	2011-08-31
C*07:219	0	0	0	0	0	0	0		X	2011-08-31
C*07:220	0	0	0	0	0	0	0		X	2011-11-28
C*08:07	0	0	7	1	0	0	8	X		1999-11-18
C*08:08	0	0	0	4	0	0	4	X		2000-03-31
C*08:09	0	0	0	0	0	0	0		X	2000-10-30
C*08:11	1	0	1	6	0	0	8	X		2004-01-31
C*08:14	0	0	0	0	0	0	0		X	2006-01-27
C*08:15	1	0	7	1	0	0	9	X		2007-07-31
C*08:16	0	2	0	0	0	0	2	X		2008-03-26
C*08:17	0	0	0	0	0	0	0		X	2008-07-30
C*08:18	1	0	0	0	0	0	1	X		2008-07-30
C*08:19	0	0	1	0	0	0	1	X		2008-08-24
C*08:20	0	0	0	0	0	0	0		X	2009-01-31
C*08:21	0	0	0	0	0	0	0		X	2009-01-31
C*08:22	0	5	0	0	0	1	6	X		2009-03-31
C*08:23	0	0	0	0	0	0	0		X	2009-03-31
C*08:24	0	0	0	0	0	0	0		X	2009-04-30

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C*08:25	0	0	0	0	0	0	0		X	2009-04-30
C*08:26N	0	0	0	0	0	0	0		X	2009-05-31
C*08:27	0	2	0	0	0	0	2	X		2009-06-30
C*08:28	0	0	0	0	0	0	0		X	2009-09-30
C*08:29	0	0	1	0	0	0	1	X		2009-09-30
C*08:30	0	0	13	0	0	1	14	X		2009-10-31
C*08:31	0	0	0	0	0	0	0		X	2009-11-30
C*08:32	2	0	0	0	0	0	2	X		2010-05-31
C*08:33	0	0	0	0	0	0	0		X	2010-05-31
C*08:34	0	0	0	0	0	0	0		X	2010-05-31
C*08:35	0	0	0	1	0	0	1	X		2010-06-30
C*08:36N	0	0	0	0	0	0	0		X	2010-06-30
C*08:37	0	0	0	0	0	0	0		X	2010-08-31
C*08:38	0	0	0	0	0	0	0		X	2010-08-31
C*08:39	0	0	0	0	0	0	0		X	2010-08-31
C*08:40	0	0	0	0	0	0	0		X	2010-08-31
C*08:41	0	1	0	0	0	0	1	X		2010-08-31
C*08:42	0	1	0	0	0	0	1	X		2010-09-30
C*08:43	2	0	0	0	0	0	2	X		2010-09-30
C*08:44	0	0	0	0	0	0	0		X	2010-09-30
C*08:45	0	0	0	0	0	0	0		X	2010-10-31
C*08:46	0	0	0	0	0	0	0		X	2010-11-30
C*08:47	0	0	0	0	0	0	0		X	2011-01-31
C*08:48	0	0	0	0	0	0	0		X	2011-01-31
C*08:49	0	0	1	0	0	0	1	X		2011-01-31
C*08:50	0	0	0	0	0	0	0		X	2011-01-31
C*08:51	0	0	0	0	0	0	0		X	2011-04-30
C*08:52N	0	0	0	0	0	0	0		X	2011-04-30
C*08:53	0	0	6	0	0	0	6	X		2011-06-30
C*08:54	0	0	0	0	0	0	0		X	2011-08-31
C*08:55N	0	0	0	0	0	0	0		X	2011-10-31
C*08:56	0	0	0	0	0	0	0		X	2011-10-31
C*12:06	0	0	5	0	0	0	5	X		1998-03-11
C*12:07	1	1	1	0	0	0	3	X		1999-11-18
C*12:08	0	0	1	0	0	0	1	X		2001-01-31
C*12:10	0	0	0	0	0	0	0		X	2003-07-31
C*12:11	0	0	0	0	0	0	0		X	2003-08-26
C*12:14	0	0	13	0	0	2	15	X		2004-06-25
C*12:15	0	0	0	0	0	0	0		X	2004-07-31
C*12:17	0	0	0	0	0	0	0		X	2005-09-23
C*12:18	0	3	2	0	0	0	5	X		2006-04-30
C*12:19	1	0	0	0	2	2	5	X		2006-06-30
C*12:20	0	0	0	0	0	0	0		X	2007-01-28

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*12:21	0	0	3	0	0	0	3	X		2007-02-28
C*12:22	0	0	0	0	0	0	0		X	2009-04-30
C*12:23	0	0	0	0	0	0	0		X	2009-07-31
C*12:24	0	0	0	0	0	4	4	X		2009-08-31
C*12:25	0	0	0	0	0	0	0		X	2009-09-30
C*12:26	0	0	0	0	0	0	0		X	2009-09-30
C*12:27	0	0	0	0	0	0	0		X	2009-09-30
C*12:28	0	0	0	0	0	0	0		X	2009-09-30
C*12:29	0	0	0	0	0	0	0		X	2009-11-30
C*12:30	0	0	2	0	0	0	2	X		2009-11-30
C*12:31	0	0	0	0	0	0	0		X	2009-11-30
C*12:32	0	0	0	0	0	0	0		X	2010-02-22
C*12:33	0	0	0	0	0	0	0		X	2010-02-22
C*12:34	0	0	3	0	0	0	3	X		2010-02-22
C*12:35	0	0	0	0	0	0	0		X	2010-02-22
C*12:36	0	0	0	0	0	0	0		X	2010-05-31
C*12:37	0	0	0	0	0	0	0		X	2010-05-31
C*12:38	0	0	0	0	0	0	0		X	2010-05-31
C*12:39N	0	0	0	0	0	0	0		X	2010-05-31
C*12:40	0	0	0	0	0	0	0		X	2010-05-31
C*12:41	0	0	0	0	0	0	0		X	2010-05-31
C*12:42Q	0	0	0	0	0	0	0		X	2010-05-31
C*12:43	0	0	0	0	0	0	0		X	2010-05-31
C*12:44	0	2	0	0	0	0	2	X		2010-06-30
C*12:45	0	0	0	0	0	0	0		X	2010-08-31
C*12:46N	0	0	0	0	0	0	0		X	2010-08-31
C*12:47	0	0	1	0	0	1	2	X		2010-08-31
C*12:48	0	0	0	0	0	0	0		X	2010-08-31
C*12:49	0	0	0	0	0	0	0		X	2010-08-31
C*12:50	0	0	0	0	0	0	0		X	2010-08-31
C*12:51	0	0	1	0	0	0	1	X		2010-11-30
C*12:52	0	0	0	0	0	0	0		X	2011-01-31
C*12:53	0	0	0	0	0	0	0		X	2011-01-31
C*12:54	0	0	1	0	0	0	1	X		2011-01-31
C*12:55	0	0	0	0	0	0	0		X	2011-01-31
C*12:56	0	0	0	0	0	0	0		X	2011-01-31
C*12:57	0	0	1	0	0	0	1	X		2011-01-31
C*12:58	0	0	0	0	0	0	0		X	2011-02-28
C*12:59	0	0	0	0	0	0	0		X	2011-04-30
C*12:60	0	1	0	0	0	0	1	X		2011-05-31
C*12:61	0	0	0	0	0	0	0		X	2011-06-30
C*12:62	0	0	0	0	0	0	0		X	2011-06-30
C*12:63	0	0	0	0	0	0	0		X	2011-06-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*12:64	0	0	0	0	0	0	0		X	2011-06-30
C*12:65	0	0	0	0	0	0	0		X	2011-08-31
C*12:66	0	0	0	0	0	0	0		X	2011-08-31
C*12:67	0	0	0	0	0	0	0		X	2011-08-31
C*12:68	0	0	0	0	0	0	0		X	2011-08-31
C*14:07N	0	0	0	0	0	0	0		X	2005-06-30
C*14:08	0	0	0	0	0	0	0		X	2006-01-27
C*14:09	0	0	0	0	0	0	0		X	2007-09-25
C*14:10	7	0	0	0	0	3	10	X		2008-07-30
C*14:11	1	0	15	1	0	0	17	X		2008-08-24
C*14:12	0	2	2	0	0	1	5	X		2009-05-31
C*14:13	0	0	0	0	0	0	0		X	2009-09-30
C*14:14	0	0	0	0	0	0	0		X	2009-09-30
C*14:15	0	0	0	0	0	0	0		X	2009-11-30
C*14:16	0	0	2	0	0	0	2	X		2010-01-31
C*14:17	0	0	0	0	0	0	0		X	2010-02-22
C*14:18	0	0	0	0	0	0	0		X	2010-02-22
C*14:19	0	0	0	0	0	0	0		X	2010-02-22
C*14:20	0	0	0	0	0	0	0		X	2010-04-30
C*14:21N	0	0	0	0	0	0	0		X	2010-06-30
C*14:22	0	0	0	0	0	0	0		X	2010-08-31
C*14:23	0	0	0	0	0	0	0		X	2010-08-31
C*14:24	0	0	0	0	0	0	0		X	2010-09-30
C*14:25	0	0	0	0	0	0	0		X	2010-09-30
C*14:26	0	0	0	0	0	0	0		X	2010-10-31
C*14:27	0	0	0	0	0	0	0		X	2010-11-30
C*14:28	0	0	0	0	0	0	0		X	2010-11-30
C*14:29	0	1	0	0	0	0	1	X		2010-11-30
C*14:30	0	0	0	0	0	0	0		X	2011-01-31
C*14:31	0	0	0	0	0	0	0		X	2011-01-31
C*14:32	0	0	0	0	0	0	0		X	2011-08-31
C*14:33	0	0	0	0	0	0	0		X	2011-08-31
C*14:34	0	0	0	0	0	0	0		X	2011-08-31
C*15:08	1	3	0	5	0	2	11	X		1998-10-29
C*15:10	0	3	3	0	0	1	7	X		2000-10-23
C*15:12	0	1	0	0	0	0	1	X		2004-03-22
C*15:15	4	0	1	0	0	0	5	X		2005-11-23
C*15:16	1	0	9	0	0	0	10	X		2005-12-30
C*15:17	0	2	2	0	0	0	4	X		2006-01-27
C*15:18	0	2	0	0	0	0	2	X		2007-02-28
C*15:19	0	0	0	1	0	0	1	X		2007-02-28
C*15:20	0	0	0	0	0	0	0		X	2007-02-28
C*15:21	0	1	0	0	0	0	1	X		2007-04-30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*15:23	0	0	1	0	0	0	1	X		2009-09-30
C*15:24	0	0	6	0	0	0	6	X		2009-11-30
C*15:25	1	0	0	0	0	0	1	X		2009-11-30
C*15:26	0	0	0	0	0	0	0		X	2009-12-21
C*15:27	0	0	1	3	0	0	4	X		2010-01-31
C*15:28	0	0	0	0	0	0	0		X	2010-02-22
C*15:29	0	0	0	0	0	0	0		X	2010-04-30
C*15:30	0	0	0	0	0	0	0		X	2010-04-30
C*15:31	0	0	0	0	0	0	0		X	2010-05-31
C*15:32Q	0	0	0	0	0	0	0		X	2010-05-31
C*15:33	0	0	0	0	0	0	0		X	2010-05-31
C*15:34	2	0	0	0	0	0	2	X		2010-05-31
C*15:35	0	0	0	0	0	0	0		X	2010-05-31
C*15:36	0	0	1	1	0	0	2	X		2010-07-31
C*15:37	0	0	0	0	0	0	0		X	2010-08-31
C*15:38	0	0	0	0	0	0	0		X	2010-08-31
C*15:39	0	0	0	0	0	0	0		X	2010-08-31
C*15:40	0	0	0	0	0	0	0		X	2010-08-31
C*15:41	0	0	0	0	0	0	0		X	2010-08-31
C*15:42	1	0	0	0	1	0	2	X		2010-08-31
C*15:43	0	0	0	0	0	0	0		X	2010-08-31
C*15:44	0	0	0	0	0	0	0		X	2010-09-30
C*15:45	0	0	0	0	0	0	0		X	2010-09-30
C*15:46	0	0	0	0	0	0	0		X	2010-10-31
C*15:47	0	0	0	0	0	0	0		X	2010-10-31
C*15:48	0	0	0	0	0	0	0		X	2010-11-30
C*15:49	0	0	0	0	0	0	0		X	2011-01-31
C*15:50	0	0	0	0	0	0	0		X	2011-01-31
C*15:51	0	0	0	0	0	0	0		X	2011-04-30
C*15:52	0	0	1	0	0	0	1	X		2011-06-30
C*15:53	0	0	0	0	0	0	0		X	2011-06-30
C*15:54	0	0	0	0	0	0	0		X	2011-06-30
C*15:55	0	0	0	0	0	0	0		X	2011-06-30
C*15:56	0	0	0	0	0	0	0		X	2011-08-31
C*16:06	0	0	0	1	0	0	1	X		2003-02-25
C*16:07	1	0	6	0	0	1	8	X		2005-06-30
C*16:08	1	0	0	0	0	0	1	X		2005-07-28
C*16:09	0	0	0	2	0	0	2	X		2006-09-27
C*16:10	0	0	0	1	0	0	1	X		2007-09-25
C*16:11	0	0	0	0	0	0	0		X	2008-02-27
C*16:12	0	1	0	0	0	0	1	X		2008-07-30
C*16:13	0	0	0	0	0	0	0		X	2009-03-31
C*16:14	0	0	4	0	0	0	4	X		2009-03-31

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
C*16:15	0	0	0	0	0	0	0		X	2009-09-30
C*16:16Q	0	0	1	0	0	0	1	X		2009-09-30
C*16:17	0	0	0	0	0	0	0		X	2009-09-30
C*16:18	0	0	1	0	0	0	1	X		2009-11-30
C*16:19	0	1	0	0	0	0	1	X		2009-11-30
C*16:20	1	0	0	0	0	0	1	X		2010-01-31
C*16:21	1	0	0	0	0	0	1	X		2010-02-22
C*16:22	6	0	0	0	0	0	6	X		2010-05-31
C*16:23	0	0	0	0	0	0	0		X	2010-05-31
C*16:24	0	0	0	0	0	0	0		X	2010-05-31
C*16:25	0	0	0	0	1	0	1	X		2010-05-31
C*16:26	1	0	0	0	0	0	1	X		2010-05-31
C*16:27	0	0	2	0	0	0	2	X		2010-07-31
C*16:28	0	0	0	0	0	1	1	X		2010-08-31
C*16:29	0	0	0	0	0	0	0		X	2010-08-31
C*16:30N	0	1	0	0	0	0	1	X		2010-08-31
C*16:31	0	0	0	0	0	0	0		X	2010-08-31
C*16:32	0	0	0	0	0	0	0		X	2010-08-31
C*16:33	0	0	0	0	0	0	0		X	2011-01-31
C*16:34	0	0	0	0	0	0	0		X	2011-01-31
C*16:35	1	0	0	0	0	0	1	X		2011-01-31
C*16:36	0	0	0	0	0	0	0		X	2011-01-31
C*16:37	0	0	0	0	0	0	0		X	2011-04-30
C*16:38	0	0	5	0	0	0	5	X		2011-04-30
C*16:39	0	0	0	0	0	0	0		X	2011-05-31
C*16:40	1	0	0	0	0	0	1	X		2011-06-30
C*16:41	0	0	0	0	0	0	0		X	2011-08-31
C*16:42	0	0	0	0	0	0	0		X	2011-08-31
C*16:43	0	0	0	0	0	0	0		X	2011-08-31
C*16:44	0	0	0	0	0	0	0		X	2011-08-31
C*17:02	1	0	6	1	0	1	9	X		1996-01-04
C*17:04	6	0	0	0	0	0	6	X		2005-07-28
C*17:05	0	0	0	0	0	0	0		X	2008-11-29
C*17:06	0	0	0	0	0	0	0		X	2009-11-30
C*17:07	0	0	0	0	0	0	0		X	2010-05-31
C*17:08	0	0	1	0	0	0	1	X		2010-08-31
C*17:09	0	0	0	0	0	0	0		X	2011-01-31
C*17:10	0	0	0	0	0	0	0		X	2011-06-30
C*17:11	0	0	0	0	0	0	0		X	2011-08-31
C*18:03	6	0	1	0	0	2	9	X		2007-02-28
C*18:04	2	0	0	0	0	0	2	X		2010-08-31
C*18:05	0	0	0	0	0	0	0		X	2011-01-31

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