



HLA-B Locus Rare Allele List

Total Count = number of times an allele was reported to the NMDP.
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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
B*0708	1	0	11	1	1	0	14	X		1996.09.19
B*0711	0	0	0	0	0	0	0		X	1998.07.28
B*0713	11	0	1	0	0	1	13	X		1998.09.10
B*0715	0	0	5	0	1	0	6	X		1999.06.08
B*0716	0	0	16	0	1	2	19	X		1999.06.25
B*0717	0	0	0	1	0	0	1	X		1999.11.18
B*0718	0	12	2	1	0	0	15	X		1999.11.18
B*0719	0	0	10	0	0	1	11	X		1999.12.22
B*0720	0	0	4	13	0	3	20	X		1999.12.22
B*0721	0	0	3	0	0	0	3	X		2000.05.19
B*0722	1	0	5	1	0	0	7	X		2000.05.19
B*0723	0	0	6	0	0	0	6	X		2000.07.31
B*0724	0	0	4	0	0	2	6	X		2000.07.31
B*0725	0	0	1	0	0	0	1	X		2000.10.23
B*0726	1	1	5	3	0	0	10	X		2000.11.23
B*0727	0	0	0	0	0	0	0		X	2001.02.28
B*0728	1	0	0	0	0	0	1	X		2001.08.31
B*0729	0	0	2	0	0	0	2	X		2001.11.30
B*0730	0	0	0	0	0	0	0		X	2002.02.20
B*0731	1	0	2	0	0	0	3	X		2002.06.27
B*0732	0	0	0	0	0	0	0		X	2003.04.30
B*0733	0	1	5	0	0	1	7	X		2003.04.30
B*0734	0	0	0	0	0	0	0		X	2003.05.24
B*0735	0	0	1	0	0	0	1	X		2003.07.31
B*0736	1	0	5	0	1	1	8	X		2003.09.29
B*0737	0	0	3	0	0	0	3	X		2004.03.22
B*0738	0	0	2	0	0	0	2	X		2004.03.22
B*0739	0	0	0	0	0	0	0		X	2005.01.31
B*0740	0	0	2	0	0	0	2	X		2005.02.18
B*0741	0	0	0	0	0	0	0		X	2005.04.29
B*0742	0	0	4	0	0	0	4	X		2005.04.29
B*0743	0	0	0	0	0	0	0		X	2005.06.30
B*0744	0	0	0	0	0	0	0		X	2005.09.23
B*0745	0	0	1	0	0	0	1	X		2005.11.23
B*0746	0	0	0	0	0	0	0		X	2006.01.27
B*0747	0	0	0	0	0	0	0		X	2006.02.27
B*0748	0	1	1	0	0	0	2	X		2006.04.30
B*0749N	0	0	0	0	0	0	0		X	2006.04.30
B*0750	0	0	0	0	0	0	0		X	2006.05.31
B*0751	0	0	0	1	0	0	1	X		2006.11.30
B*0752	0	0	0	0	0	0	0		X	2007.01.28
B*0753	0	0	0	0	0	1	1	X		2007.02.28
B*0754	0	0	1	0	0	0	1	X		2007.02.28
B*0755	0	0	0	0	0	0	0		X	2007.03.28
B*0756	0	0	0	0	0	0	0		X	2007.04.30
B*0757	0	0	0	0	0	0	0		X	2007.05.31
B*0758	0	0	0	0	0	0	0		X	2007.06.22

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
B*0759	0	0	0	0	0	0	0		X	2007.07.31
B*0760	0	0	0	0	0	0	0		X	2007.09.25
B*0761	0	0	0	0	0	0	0		X	2007.11.30
B*0762	0	0	0	0	0	0	0		X	2007.11.30
B*0802	0	1	15	0	0	4	20	X		1993.12.09
B*0803	2	0	14	3	0	1	20	X		1995.09.07
B*0805	1	0	3	0	0	2	6	X		1997.05.16
B*0806	1	0	8	0	1	0	10	X		1998.07.28
B*0807	2	0	8	0	0	1	11	X		1999.01.04
B*0808N	0	0	0	0	0	0	0		X	1999.01.06
B*0810	0	0	0	0	0	0	0		X	1999.04.30
B*0811	0	0	3	0	0	0	3	X		2000.01.31
B*0814	0	0	3	0	1	0	4	X		2001.01.31
B*0815	0	0	1	0	0	0	1	X		2001.10.31
B*0816	0	0	0	0	0	1	1	X		2002.07.31
B*0817	0	0	0	0	0	0	0		X	2002.09.30
B*0818	0	0	5	1	1	0	7	X		2003.01.31
B*0819N	0	0	0	0	0	0	0		X	2003.02.25
B*0820	0	0	9	0	1	0	10	X		2003.05.24
B*0821	0	0	1	0	0	0	1	X		2003.06.18
B*0822	0	0	0	0	0	0	0		X	2004.05.24
B*0823	5	0	2	0	0	0	7	X		2005.02.18
B*0824	0	0	1	0	0	0	1	X		2005.03.22
B*0825	0	0	0	0	0	0	0		X	2005.06.30
B*0826	0	0	2	0	0	0	2	X		2005.07.28
B*0827	0	0	2	0	0	0	2	X		2005.12.30
B*0828	0	0	0	1	0	0	1	X		2006.03.26
B*0829	0	0	0	0	0	0	0		X	2006.03.26
B*0830N	0	0	0	0	0	0	0		X	2006.06.30
B*0831	0	0	0	0	0	0	0		X	2006.12.27
B*0832	0	0	0	0	0	0	0		X	2007.01.28
B*0833	0	0	0	0	0	0	0		X	2007.02.28
B*0834	0	0	0	0	0	0	0		X	2007.08.31
B*0835	0	0	0	0	0	0	0		X	2007.11.30
B*1303	9	1	7	0	0	0	17	X		1994.11.04
B*1304	0	0	9	0	0	0	9	X		1996.10.31
B*1306	0	4	0	1	0	1	6	X		2000.06.22
B*1307N	0	0	1	0	0	0	1	X		2000.08.31
B*1308Q	0	0	2	0	0	0	2	X		2001.05.31
B*1309	0	1	1	1	0	0	3	X		2001.05.31
B*1310	0	0	10	0	0	0	10	X		2002.03.28
B*1311	0	0	1	0	0	0	1	X		2002.08.31
B*1312	0	8	0	0	0	1	9	X		2003.10.24
B*1313	0	1	0	0	0	0	1	X		2004.01.31
B*1314	0	0	0	0	0	0	0		X	2005.10.30
B*1315	0	0	0	0	0	0	0		X	2005.11.23
B*1316	0	0	0	0	0	0	0		X	2006.04.30

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B*1317	0	0	0	0	0	0	0		X	2006.07.31
B*1318	0	0	0	0	0	0	0		X	2007.03.28
B*1319	0	0	0	0	0	0	0		X	2007.04.30
B*1320	0	0	0	0	0	0	0		X	2007.04.30
B*1321	0	0	0	0	0	0	0		X	2007.09.25
B*1404	1	0	8	3	0	0	12	X		1997.07.10
B*1407N	0	0	0	0	0	0	0		X	2005.04.29
B*1501N	0	0	0	0	0	0	0		X	1998.12.07
B*1519	0	4	0	0	0	0	4	X		1993.09.23
B*1533	0	0	4	3	0	0	7	X		1996.04.08
B*1536	0	2	2	1	0	2	7	X		1996.06.29
B*1542	0	1	7	1	0	0	9	X		1998.07.28
B*1543	0	0	2	0	0	0	2	X		1998.07.28
B*1544	1	15	0	1	0	5	22	X		1998.07.28
B*1549	0	0	0	0	0	0	0		X	1998.11.10
B*1550	0	3	7	1	0	2	13	X		1999.01.06
B*1551	0	0	2	0	0	1	3	X		1999.03.25
B*1553	3	0	0	0	2	1	6	X		1999.04.30
B*1555	1	1	1	5	0	1	9	X		1999.11.18
B*1556	1	8	0	1	0	2	12	X		1999.11.18
B*1557	0	4	1	0	0	0	5	X		1999.11.18
B*1560	0	0	0	0	0	0	0		X	2000.01.31
B*1561	3	0	1	0	0	1	5	X		2000.05.19
B*1562	3	0	3	1	0	1	8	X		2000.05.31
B*1563	0	0	3	7	11	5	26	X		2000.07.31
B*1564	0	7	0	0	0	0	7	X		2000.07.31
B*1565	0	1	15	1	0	2	19	X		2001.01.31
B*1566	0	3	0	0	0	0	3	X		2001.03.28
B*1567	0	0	0	0	0	0	0		X	2001.02.28
B*1568	0	7	0	0	0	0	7	X		2001.05.31
B*1569	0	0	2	0	0	0	2	X		2001.06.30
B*1570	0	0	0	0	0	0	0		X	2001.10.31
B*1571	0	0	18	0	0	1	19	X		2001.12.20
B*1572	0	0	1	0	0	0	1	X		2001.12.20
B*1573	1	0	18	0	0	1	20	X		2002.05.31
B*1574	0	0	0	0	0	0	0		X	2002.11.30
B*1576	0	0	8	0	0	0	8	X		2003.01.31
B*1577	0	0	0	0	0	0	0		X	2003.04.30
B*1578	0	0	2	0	0	0	2	X		2003.05.24
B*1579N	0	0	0	0	0	0	0		X	2003.06.17
B*1580	0	0	0	0	0	0	0		X	2003.06.17
B*1581	0	3	0	0	0	1	4	X		2003.08.26
B*1582	0	0	1	0	0	0	1	X		2003.08.26
B*1583	1	0	0	0	0	0	1	X		2003.11.30
B*1584	0	0	0	0	0	0	0		X	2004.04.30
B*1585	0	0	0	0	0	0	0		X	2004.04.29
B*1586	0	0	0	0	0	0	0		X	2004.05.24

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B*1587	0	0	0	0	0	0	0		X	2004.05.24
B*1588	0	1	0	0	0	1	2	X		2004.05.24
B*1589	0	1	0	0	0	0	1	X		2004.05.24
B*1590	0	0	0	0	0	0	0		X	2004.06.25
B*1591	0	0	0	0	0	0	0		X	2004.06.25
B*1592	0	0	0	0	0	0	0		X	2004.07.31
B*1593	0	0	0	0	0	0	0		X	2004.08.25
B*1594N	0	0	0	0	0	0	0		X	2004.08.25
B*1595	0	0	0	0	0	0	0		X	2004.11.30
B*1596	0	0	0	0	0	0	0		X	2004.12.19
B*1597	0	0	0	0	0	0	0		X	2005.01.31
B*1598	0	0	1	0	0	1	2	X		2005.01.31
B*1599	2	0	0	0	0	0	2	X		2005.02.18
B*1806	0	2	0	3	0	1	6	X		1998.03.11
B*1808	0	2	9	0	0	0	11	X		1999.06.08
B*1809	0	0	1	1	0	1	3	X		1999.11.18
B*1810	0	0	2	0	0	0	2	X		1999.12.22
B*1811	0	0	12	1	0	0	13	X		2000.05.31
B*1814	0	0	23	1	0	3	27	X		2001.07.31
B*1815	0	0	2	1	0	0	3	X		2001.07.31
B*1817N	0	0	0	0	0	0	0		X	2001.09.30
B*1818	0	0	20	2	0	1	23	X		2002.06.27
B*1819	0	0	0	0	0	0	0		X	2003.07.31
B*1820	0	0	9	0	0	1	10	X		2004.05.24
B*1821	0	0	0	0	0	0	0		X	2005.07.28
B*1822	0	0	0	0	0	0	0		X	2005.11.23
B*1823N	0	0	0	0	0	0	0		X	2006.10.31
B*1824	0	0	0	0	0	0	0		X	2006.10.31
B*1825	2	0	0	0	0	0	2	X		2007.01.28
B*1826	1	0	0	0	0	0	1	X		2007.02.28
B*1827	0	0	0	0	0	0	0		X	2007.07.31
B*1828	0	0	0	0	0	0	0		X	2007.11.30
B*2711	0	0	3	0	0	0	3	X		1996.05.26
B*2713	0	0	3	0	0	0	3	X		1998.03.11
B*2715	0	10	0	0	1	0	11	X		1998.11.23
B*2716	0	0	1	0	0	0	1	X		1999.06.08
B*2717	0	0	4	0	0	0	4	X		1999.11.18
B*2718	0	4	0	1	0	2	7	X		1999.11.18
B*2719	0	0	2	1	0	0	3	X		1999.11.18
B*2720	0	14	0	0	0	0	14	X		1999.11.30
B*2721	0	0	0	0	0	0	0		X	2000.06.22
B*2723	0	0	3	0	0	0	3	X		2000.10.23
B*2724	0	6	0	0	0	0	6	X		2001.07.31
B*2725	0	3	0	0	0	0	3	X		2001.08.31
B*2726	2	0	0	0	0	0	2	X		2004.06.25
B*2727	0	0	1	3	0	3	7	X		2004.11.30
B*2728	0	0	1	0	0	0	1	X		2005.02.18

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B*2729	0	0	0	0	0	0	0		X	2005.04.29
B*2730	0	0	0	0	0	0	0		X	2005.06.30
B*2731	0	0	1	0	0	0	1	X		2005.07.28
B*2732	0	0	0	0	0	0	0		X	2005.10.30
B*2733	0	0	0	0	0	0	0		X	2006.01.27
B*2734	0	0	0	0	0	0	0		X	2006.02.27
B*2735	0	0	0	0	0	0	0		X	2006.03.26
B*2736	0	1	0	0	0	0	1	X		2006.04.30
B*2737	0	0	0	0	0	0	0		X	2007.01.28
B*2738	0	0	0	0	0	0	0		X	2007.04.30
B*2739	0	0	0	0	0	0	0		X	2007.11.30
B*3507	0	0	1	0	0	0	1	X		1992.10.16
B*3513	0	5	2	1	0	1	9	X		1995.06.07
B*3518	0	1	2	0	0	2	5	X		1996.01.29
B*3529	0	0	11	0	0	1	12	X		1999.03.25
B*3532	5	0	11	7	0	4	27	X		1999.06.25
B*3533	0	0	2	0	0	0	2	X		1999.06.30
B*3535	0	1	1	0	0	0	2	X		2000.01.31
B*3536	0	0	1	0	0	0	1	X		2000.07.31
B*3537	1	1	2	3	0	0	7	X		2000.08.31
B*3538	0	0	3	0	0	0	3	X		2001.07.31
B*3539	0	0	0	3	0	1	4	X		2001.07.31
B*3540N	0	0	0	0	0	0	0		X	2001.11.30
B*3542	0	0	0	0	0	0	0		X	2002.02.20
B*3544	0	0	0	12	0	2	14	X		1999.12.22
B*3545	0	0	2	0	0	0	2	X		2002.10.25
B*3546	0	0	0	0	0	0	0		X	2003.04.30
B*3547	0	0	1	12	0	1	14	X		2003.11.30
B*3548	0	0	1	9	0	4	14	X		2003.12.15
B*3549	4	0	0	5	0	0	9	X		2004.03.22
B*3550	0	0	0	0	0	0	0		X	2004.04.30
B*3551	0	0	0	0	0	0	0		X	2004.04.30
B*3552	0	0	1	0	0	0	1	X		2004.07.31
B*3553N	0	0	0	0	0	0	0		X	2004.08.25
B*3554	0	0	0	0	0	0	0		X	2004.10.31
B*3555	0	0	3	0	0	0	3	X		2004.11.30
B*3556	0	1	0	0	0	0	1	X		2004.12.19
B*3557	0	0	0	0	0	0	0		X	2005.01.31
B*3558	0	0	0	1	0	0	1	X		2005.02.18
B*3559	0	0	0	0	2	0	2	X		2005.02.18
B*3560	0	0	0	0	0	0	0		X	2005.06.30
B*3561	0	0	0	0	0	0	0		X	2005.06.30
B*3562	0	0	0	0	0	0	0		X	2005.11.23
B*3563	0	0	0	1	0	0	1	X		2005.12.30
B*3564	0	0	0	0	0	0	0		X	2005.12.30
B*3565Q	0	0	0	0	0	0	0		X	2005.12.30
B*3566	0	1	0	0	0	0	1	X		2006.02.27

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B*3567	0	0	0	0	0	0	0		X	2006.03.26
B*3568	0	0	0	1	0	0	1	X		2006.08.23
B*3569	0	0	0	0	0	0	0		X	2006.10.31
B*3570	0	0	0	0	0	0	0		X	2006.11.30
B*3571	0	0	0	0	0	0	0		X	2006.12.27
B*3572	0	0	0	0	0	0	0		X	2006.12.27
B*3574	0	1	0	0	0	0	1	X		2007.02.28
B*3575	0	0	0	0	0	0	0		X	2007.02.28
B*3576	0	0	0	0	0	0	0		X	2007.04.30
B*3577	0	0	0	0	0	0	0		X	2007.05.31
B*3578	0	0	0	0	0	0	0		X	2007.07.31
B*3579	0	0	0	0	0	0	0		X	2007.07.31
B*3580	0	0	0	0	0	0	0		X	2007.08.31
B*3581	0	0	0	0	0	0	0		X	2007.08.31
B*3582	0	0	0	0	0	0	0		X	2007.09.25
B*3583	0	0	0	0	0	0	0		X	2007.09.25
B*3584	0	0	0	0	0	0	0		X	2007.10.22
B*3585	0	0	0	0	0	0	0		X	2007.11.30
B*3703N	0	0	0	0	0	0	0		X	2000.05.30
B*3705	0	8	0	1	0	3	12	X		2000.10.23
B*3706	0	0	1	0	0	0	1	X		2004.06.25
B*3707	0	0	0	3	0	0	3	X		2004.09.27
B*3708	0	0	0	0	0	0	0		X	2004.10.31
B*3709	0	0	0	0	0	0	0		X	2005.03.22
B*3710	0	0	1	0	0	0	1	X		2005.06.30
B*3711	0	0	1	0	0	0	1	X		2006.02.27
B*3712	0	0	0	0	0	0	0		X	2006.04.30
B*3713	0	0	0	0	0	0	0		X	2007.03.28
B*3803	0	1	0	11	0	1	13	X		1998.09.10
B*3804	0	2	0	0	0	0	2	X		1999.11.18
B*3805	0	0	2	2	0	0	4	X		2000.02.24
B*3806	0	0	0	0	3	1	4	X		2000.05.31
B*3807	0	0	0	0	0	0	0		X	2000.07.31
B*3808	0	0	0	0	0	0	0		X	2001.08.31
B*3809	0	0	7	0	0	0	7	X		2002.09.30
B*3810	0	0	0	0	0	0	0		X	2004.05.24
B*3811	0	0	0	1	0	0	1	X		2005.04.29
B*3812	0	0	0	0	0	0	0		X	2005.11.23
B*3813	0	0	1	0	0	0	1	X		2006.03.26
B*3814	0	0	1	0	0	0	1	X		2006.05.31
B*3815	0	0	0	0	0	0	0		X	2006.11.30
B*3816	0	0	0	0	0	0	0		X	2007.02.28
B*3817	0	0	0	0	0	0	0		X	2007.07.31
B*3901L	0	0	0	0	0	0	0		X	2005.06.30
B*3916	1	0	0	1	0	0	2	X		1998.11.30
B*3917	1	0	0	0	0	0	1	X		1999.04.30
B*3918	0	2	2	0	0	1	5	X		1999.11.18

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
B*3919	0	0	3	1	0	0	4	X		1999.11.18
B*3922	0	0	1	21	1	4	27	X		2000.01.31
B*3923	0	0	0	0	0	0	0		X	2000.01.31
B*3925N	0	0	0	0	0	0	0		X	2001.06.30
B*3926	0	0	2	0	1	0	3	X		2001.08.31
B*3927	0	0	0	0	0	0	0		X	2002.09.30
B*3928	0	0	1	0	0	0	1	X		2003.07.31
B*3929	0	0	2	0	0	0	2	X		2004.05.24
B*3930	0	0	0	0	0	0	0		X	2004.05.24
B*3931	1	1	16	0	0	0	18	X		2004.05.24
B*3932	0	0	0	0	0	0	0		X	2004.05.24
B*3933	0	0	3	0	0	0	3	X		2005.01.31
B*3934	0	0	0	0	0	0	0		X	2005.04.29
B*3935	0	0	2	0	0	0	2	X		2005.08.25
B*3936	0	1	0	0	0	0	1	X		2005.10.30
B*3937	0	0	0	4	0	1	5	X		2005.11.23
B*3938Q	0	0	0	0	0	0	0		X	2005.12.30
B*3939	0	0	0	6	0	1	7	X		2006.01.27
B*3940N	0	0	0	0	0	0	0		X	2006.01.27
B*3941	0	0	0	0	0	0	0		X	2006.02.27
B*3942	0	0	0	0	0	0	0		X	2007.04.30
B*3943	0	0	0	0	0	0	0		X	2007.07.31
B*4013	1	0	0	7	1	2	11	X		1997.05.16
B*4014	2	0	14	1	1	0	18	X		1997.08.08
B*4015	0	0	0	0	0	0	0		X	1997.08.08
B*4018	0	1	2	2	0	1	6	X		1998.01.09
B*4019	1	2	17	3	0	0	23	X		1998.09.10
B*4021	0	2	0	0	0	0	2	X		1999.01.06
B*4022N	0	0	0	0	0	0	0		X	1999.03.25
B*4024	0	0	1	0	0	0	1	X		1999.06.08
B*4026	0	20	0	1	0	0	21	X		1999.11.18
B*4028	0	0	0	2	0	0	2	X		1999.11.18
B*4029	0	0	0	0	0	0	0		X	2000.01.31
B*4030	1	0	1	0	0	1	3	X		2000.03.31
B*4031	0	1	10	0	0	0	11	X		2000.05.19
B*4032	0	0	18	1	0	2	21	X		2000.05.31
B*4033	0	1	10	0	0	1	12	X		2000.07.31
B*4034	0	0	0	0	0	0	0		X	2000.07.31
B*4035	0	0	0	0	0	0	0		X	2000.09.26
B*4036	0	1	1	0	0	0	2	X		2001.05.31
B*4038	0	0	0	0	0	0	0		X	2001.06.30
B*4039	0	0	0	0	0	0	0		X	2001.06.30
B*4042	0	1	4	0	0	0	5	X		2001.08.31
B*4043	0	1	0	2	0	0	3	X		2002.04.30
B*4044	0	2	0	0	0	0	2	X		2002.04.30
B*4045	0	1	1	0	0	0	2	X		2003.01.31
B*4046	0	0	1	0	0	0	1	X		2003.04.30

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B*4047	0	0	0	0	0	0	0		X	2003.05.24
B*4048	0	3	0	0	0	0	3	X		2003.06.17
B*4049	0	1	1	0	1	0	3	X		2004.04.30
B*4050	0	18	0	0	1	1	20	X		2004.04.30
B*4051	0	0	0	0	0	0	0		X	2004.05.24
B*4052	0	0	0	0	0	0	0		X	2004.07.31
B*4053	0	0	0	0	0	0	0		X	2004.07.31
B*4054	0	0	0	0	0	0	0		X	2004.08.25
B*4055	0	0	0	0	0	0	0		X	2004.08.25
B*4056	0	0	0	0	0	0	0		X	2004.08.25
B*4057	0	0	0	0	0	0	0		X	2004.08.25
B*4058	0	0	0	0	0	0	0		X	2005.05.31
B*4059	0	0	1	0	0	0	1	X		2005.06.30
B*4060	0	0	0	0	0	0	0		X	2005.06.30
B*4061	0	0	0	0	0	0	0		X	2005.06.30
B*4062	0	0	0	0	0	0	0		X	2005.11.23
B*4063	0	1	0	0	0	0	1	X		2006.02.27
B*4064	0	0	0	0	0	0	0		X	2006.02.27
B*4065	0	0	0	0	0	0	0		X	2006.03.26
B*4066	0	0	0	0	0	0	0		X	2006.04.30
B*4067	0	0	0	0	0	0	0		X	2006.05.31
B*4068	0	0	0	0	0	0	0		X	2006.06.30
B*4069	0	0	0	0	0	0	0		X	2006.09.27
B*4070	0	0	0	0	0	0	0		X	2006.10.31
B*4071	0	0	0	0	0	0	0		X	2007.01.28
B*4072	0	0	0	0	0	0	0		X	2007.02.28
B*4073	0	0	0	0	0	0	0		X	2007.03.28
B*4074	0	0	0	0	0	0	0		X	2007.03.28
B*4075	0	0	0	0	0	0	0		X	2007.03.28
B*4076	0	0	0	0	0	0	0		X	2007.04.30
B*4077	0	0	0	0	0	0	0		X	2007.04.30
B*4078	0	0	0	0	0	0	0		X	2007.07.31
B*4079	0	0	0	0	0	0	0		X	2007.11.30
B*4080	0	0	0	0	0	0	0		X	2007.11.30
B*4104	0	0	1	0	0	0	1	X		2000.05.19
B*4105	0	0	5	0	0	0	5	X		2000.07.31
B*4106	0	0	1	2	0	0	3	X		2001.03.20
B*4107	0	1	1	2	0	0	4	X		2005.03.22
B*4108	0	0	0	0	0	0	0		X	2005.07.28
B*4204	1	0	0	0	0	0	1	X		2001.08.31
B*4205	0	0	14	0	0	0	14	X		2003.03.25
B*4206	2	0	0	0	0	0	2	X		2004.06.25
B*4207	0	0	0	0	0	0	0		X	2005.07.28
B*4208	0	0	0	0	0	0	0		X	2005.11.23
B*4209	0	0	0	0	0	0	0		X	2006.08.23
B*4402S	0	0	0	0	0	0	0		X	2002.05.31
B*4411	0	0	9	1	0	0	10	X		1998.09.10

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B*4412	1	2	9	4	0	1	17	X		1999.04.30
B*4413	0	0	2	0	0	1	3	X		1999.04.30
B*4414	0	0	8	2	1	2	13	X		1999.06.08
B*4415	18	0	0	0	0	2	20	X		1999.06.25
B*4416	0	0	0	1	0	0	1	X		1999.11.18
B*4417	0	0	9	0	0	0	9	X		1999.11.18
B*4419N	0	0	0	0	0	0	0		X	1999.12.22
B*4420	1	0	11	2	0	1	15	X		2000.01.31
B*4421	0	0	8	4	2	2	16	X		2000.01.31
B*4422	0	0	7	0	0	0	7	X		2000.08.31
B*4423N	0	0	3	0	0	0	3	X		2000.10.23
B*4424	0	0	10	0	0	2	12	X		2000.10.23
B*4425	0	0	5	0	0	0	5	X		2001.01.31
B*4426	0	0	0	0	0	0	0		X	2001.02.28
B*4428	1	0	0	0	0	0	1	X		2001.08.31
B*4430	0	0	0	1	0	0	1	X		2001.08.31
B*4431	0	0	0	0	0	0	0		X	2002.01.28
B*4432	0	0	4	0	0	0	4	X		2002.06.27
B*4433	0	0	0	0	0	0	0		X	2002.12.18
B*4434	0	0	2	0	0	0	2	X		2003.01.31
B*4435	0	0	0	0	0	0	0		X	2003.02.25
B*4436	0	0	1	0	0	0	1	X		2003.07.31
B*4437	0	1	2	0	0	0	3	X		2003.07.31
B*4438	0	0	0	0	0	0	0		X	2003.08.22
B*4439	0	0	0	0	0	0	0		X	2003.08.26
B*4440	0	0	1	0	0	0	1	X		2004.08.25
B*4441	0	0	0	0	0	0	0		X	2005.01.31
B*4442	0	0	0	0	0	0	0		X	2005.05.31
B*4443	0	0	0	0	0	0	0		X	2005.06.30
B*4444	0	0	0	0	0	0	0		X	2005.07.28
B*4445	0	0	0	0	0	0	0		X	2005.07.28
B*4446	0	0	0	0	0	0	0		X	2005.09.23
B*4447	0	0	0	0	0	0	0		X	2006.02.27
B*4448	0	0	0	0	0	0	0		X	2006.08.23
B*4449	0	0	0	0	0	0	0		X	2006.09.27
B*4450	0	0	0	0	0	0	0		X	2006.10.31
B*4451	0	0	0	0	0	0	0		X	2006.10.31
B*4452N	0	0	0	0	0	0	0		X	2007.01.28
B*4453	0	0	1	0	0	0	1	X		2007.03.28
B*4454	0	0	0	0	0	0	0		X	2007.04.30
B*4455	0	0	0	0	0	0	0		X	2007.07.31
B*4456N	0	0	0	0	0	0	0		X	2007.09.25
B*4457	0	0	0	0	0	0	0		X	2007.09.25
B*4458N	0	0	0	0	0	0	0		X	2007.11.30
B*4459	0	0	0	0	0	0	0		X	2007.12.20
B*4502	22	0	0	1	0	1	24	X		1998.07.28
B*4503	1	0	1	0	0	0	2	X		2000.03.31

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B*4504	2	0	4	0	0	1	7	X		2000.10.23
B*4505	0	0	0	0	0	0	0		X	2001.01.31
B*4506	1	0	1	0	0	0	2	X		2002.05.31
B*4507	0	0	0	0	0	0	0		X	2004.06.25
B*4602	0	0	0	0	0	0	0		X	1999.11.18
B*4603	0	0	0	0	0	0	0		X	2004.07.31
B*4604	0	0	0	0	0	0	0		X	2004.07.31
B*4605	0	0	0	0	0	0	0		X	2005.05.31
B*4606	0	0	0	0	0	0	0		X	2005.07.28
B*4607N	0	0	0	0	0	0	0		X	2005.07.28
B*4608	0	0	0	0	0	0	0		X	2005.09.23
B*4609	0	0	0	0	0	0	0		X	2006.11.30
B*4610	0	0	0	0	0	0	0		X	2007.02.28
B*4611	0	1	0	0	0	0	1	X		2007.04.30
B*4612	0	0	0	0	0	0	0		X	2007.08.31
B*4702	4	0	17	1	0	4	26	X		1996.11.06
B*4704	0	0	0	0	0	0	0		X	2001.05.31
B*4705	1	0	0	0	0	0	1	X		2004.06.25
B*4805	8	0	1	1	0	0	10	X		1998.10.06
B*4806	2	1	2	9	0	1	15	X		1999.01.06
B*4808	0	0	0	0	0	0	0		X	2003.07.31
B*4809	0	0	0	0	0	0	0		X	2004.07.31
B*4810	0	0	0	0	0	0	0		X	2004.07.31
B*4811	0	0	0	0	0	0	0		X	2005.01.31
B*4812	0	0	1	5	0	0	6	X		2005.01.31
B*4813	0	0	0	2	0	1	3	X		2005.05.31
B*4814	0	0	0	0	0	0	0		X	2005.10.30
B*4815	0	0	0	0	0	1	1	X		2006.03.26
B*4816	0	0	0	0	0	0	0		X	2006.04.30
B*4817	0	0	0	0	0	0	0		X	2007.05.31
B*4818	0	0	0	0	0	0	0		X	2007.05.31
B*4819	0	0	0	0	0	0	0		X	2007.07.31
B*4902	1	0	9	0	0	1	11	X		2000.05.31
B*4903	0	0	0	0	0	0	0		X	2000.05.31
B*4904	0	0	0	0	0	0	0		X	2005.05.31
B*4905	0	0	0	0	0	0	0		X	2005.09.23
B*5004	2	19	2	0	0	0	23	X		1999.04.30
B*5103	0	1	1	2	0	0	4	X		1991.11.14
B*5111N	0	0	0	0	0	0	0		X	1997.08.08
B*5112	0	0	2	0	0	0	2	X		1998.03.05
B*5115	0	0	1	0	0	0	1	X		1998.09.10
B*5116	0	0	1	2	0	0	3	X		1998.11.23
B*5117	0	3	0	0	0	0	3	X		1999.04.30
B*5118	0	0	0	0	0	0	0		X	1999.06.08
B*5119	1	14	9	0	0	1	25	X		1999.07.13
B*5120	0	0	7	1	0	0	8	X		1999.11.18
B*5121	0	2	4	1	0	0	7	X		1999.11.18

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B*5123	0	0	1	11	0	0	12	X		2000.05.19
B*5124	0	0	0	0	0	0	0		X	2000.05.31
B*5126	0	0	1	0	0	0	1	X		2001.01.31
B*5127N	0	0	0	0	0	0	0		X	2001.04.30
B*5128	0	0	0	0	0	0	0		X	2001.10.31
B*5129	0	0	8	2	0	0	10	X		2001.12.20
B*5130	0	0	0	0	0	0	0		X	2002.08.08
B*5131	0	0	0	13	0	5	18	X		2002.08.31
B*5132	0	0	1	0	0	0	1	X		2002.08.30
B*5133	0	0	1	0	0	0	1	X		2002.11.30
B*5134	0	1	7	0	0	0	8	X		2002.11.30
B*5135	0	0	0	0	0	0	0		X	2004.07.31
B*5136	0	0	0	0	0	0	0		X	2004.09.27
B*5137	0	1	0	0	0	0	1	X		2004.10.31
B*5138	0	0	0	0	0	0	0		X	2005.04.29
B*5139	0	1	0	0	0	0	1	X		2005.07.28
B*5140	0	0	0	0	0	0	0		X	2006.01.27
B*5141N	0	0	0	0	0	0	0		X	2006.02.27
B*5142	0	0	0	0	0	0	0		X	2006.05.31
B*5143	0	0	1	0	0	0	1	X		2006.07.31
B*5144N	0	0	0	0	0	0	0		X	2006.09.27
B*5145	0	0	0	0	0	0	0		X	2006.09.27
B*5146	0	0	0	0	0	0	0		X	2006.12.27
B*5148	0	0	0	0	0	0	0		X	2007.03.28
B*5149	0	0	0	0	0	0	0		X	2007.04.30
B*5150	0	0	0	0	0	0	0		X	2007.08.31
B*5151	0	0	0	0	0	0	0		X	2007.09.25
B*5152	0	0	0	0	0	0	0		X	2007.11.30
B*5203	0	0	2	14	0	2	18	X		2000.07.31
B*5205	0	0	0	0	0	0	0		X	2002.08.31
B*5206	0	0	0	0	0	0	0		X	2004.07.31
B*5207	0	0	0	0	0	0	0		X	2005.05.31
B*5208	0	0	0	0	0	0	0		X	2005.05.31
B*5209	0	0	0	0	0	0	0		X	2006.02.27
B*5210	0	0	0	1	0	0	1	X		2006.05.31
B*5211	0	0	0	0	0	0	0		X	2007.01.28
B*5303	5	0	6	2	0	0	13	X		1998.09.10
B*5304	1	2	3	2	0	0	8	X		1999.03.31
B*5306	0	0	3	0	0	0	3	X		2000.05.31
B*5307	0	0	0	0	0	0	0		X	2000.08.31
B*5308	2	0	0	0	0	1	3	X		2001.05.31
B*5309	0	16	0	0	0	0	16	X		2001.08.31
B*5310	2	0	0	0	0	0	2	X		2005.01.31
B*5311	0	0	0	0	0	0	0		X	2005.09.23
B*5312	0	0	0	0	0	0	0		X	2006.08.23
B*5313	0	0	0	0	0	0	0		X	2007.04.30
B*5314	0	0	0	0	0	0	0		X	2007.12.20

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
B*5402	0	2	0	0	0	0	2	X		2000.01.31
B*5403	0	1	0	0	0	0	1	X		2004.11.30
B*5404	0	0	0	0	0	0	0		X	2005.01.31
B*5405N	0	0	0	0	0	0	0		X	2005.01.31
B*5406	0	0	0	0	0	0	0		X	2005.01.31
B*5407	0	0	0	0	0	0	0		X	2005.04.29
B*5408N	0	0	0	0	0	0	0		X	2005.11.23
B*5409	0	0	0	0	0	0	0		X	2006.09.27
B*5410	0	0	0	0	0	0	0		X	2006.11.30
B*5411	0	0	0	0	0	0	0		X	2006.12.27
B*5412	0	1	0	0	0	0	1	X		2006.12.27
B*5413	0	0	0	0	0	0	0		X	2007.04.30
B*5503	0	1	0	0	0	1	2	X		1996.01.29
B*5505	0	0	3	0	0	0	3	X		1996.10.21
B*5508	0	2	0	0	0	1	3	X		1998.10.28
B*5509	0	0	0	0	0	0	0		X	1999.12.22
B*5510	0	3	0	0	0	0	3	X		2000.01.31
B*5511	0	0	4	0	0	0	4	X		2001.07.31
B*5512	0	7	0	0	0	2	9	X		2001.11.30
B*5513	0	1	0	0	0	0	1	X		2003.03.26
B*5514	0	0	0	0	0	0	0		X	2003.04.30
B*5515	0	0	0	0	0	0	0		X	2003.05.24
B*5516	0	0	0	0	0	0	0		X	2003.07.31
B*5517	1	0	5	0	0	0	6	X		2005.01.31
B*5518	0	3	0	0	0	0	3	X		2005.01.31
B*5519	0	0	0	0	0	0	0		X	2005.02.18
B*5520	0	0	0	0	0	0	0		X	2005.08.25
B*5521	0	0	0	0	0	0	0		X	2006.04.30
B*5522	0	0	0	0	0	0	0		X	2006.04.30
B*5523	0	3	0	0	0	1	4	X		2006.09.27
B*5524	0	0	1	0	0	0	1	X		2006.09.27
B*5525	0	0	0	0	0	0	0		X	2007.01.28
B*5526	0	0	0	0	0	0	0		X	2007.02.28
B*5527	0	0	0	0	0	0	0		X	2007.04.30
B*5528	0	0	0	0	0	0	0		X	2007.08.31
B*5529	0	0	0	0	0	0	0		X	2007.12.20
B*5605	0	20	2	0	0	0	22	X		1998.09.10
B*5606	1	1	2	0	0	2	6	X		1999.03.25
B*5607	0	7	0	0	0	0	7	X		1999.03.25
B*5608	0	0	0	0	0	0	0		X	2001.12.20
B*5609	0	0	1	0	0	0	1	X		2002.08.31
B*5610	0	10	0	0	0	0	10	X		2002.09.30
B*5611	0	2	0	0	0	0	2	X		2002.11.30
B*5612	0	0	0	0	0	0	0		X	2003.06.17
B*5613	0	0	2	0	0	0	2	X		2004.04.30
B*5614	0	2	0	0	0	0	2	X		2004.09.27
B*5615	0	1	1	1	0	0	3	X		2004.12.19

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B*5616	0	0	3	0	0	0	3	X		2005.06.30
B*5617	0	0	1	0	0	0	1	X		2006.05.31
B*5618	0	0	0	0	0	0	0		X	2006.09.27
B*5619N	0	0	0	0	0	0	0		X	2006.12.27
B*5620	0	0	0	0	0	0	0		X	2007.02.28
B*5621	0	0	0	0	0	0	0		X	2007.08.31
B*5705	21	0	2	0	0	1	24	X		1998.07.28
B*5706	0	0	0	0	0	0	0		X	1999.04.30
B*5707	0	0	1	0	0	0	1	X		2000.01.31
B*5708	0	0	0	0	0	0	0		X	2001.04.30
B*5709	10	0	0	0	0	1	11	X		2001.05.31
B*5710	0	0	1	0	0	0	1	X		2005.07.28
B*5711	0	0	1	0	0	0	1	X		2006.09.27
B*5712	1	0	0	0	0	0	1	X		2007.03.28
B*5713	0	0	0	0	0	0	0		X	2007.05.31
B*5714	0	0	0	0	0	0	0		X	2007.09.25
B*5715	0	0	0	0	0	0	0		X	2007.10.22
B*5716	0	0	0	0	0	0	0		X	2007.10.22
B*5804	5	2	0	0	0	0	7	X		1999.11.18
B*5805	0	0	2	0	0	0	2	X		1999.12.22
B*5806	8	0	0	1	0	1	10	X		2000.08.31
B*5807	0	0	0	0	0	0	0		X	2002.11.30
B*5808	0	0	0	0	0	0	0		X	2003.03.26
B*5809	0	0	0	0	0	0	0		X	2003.04.30
B*5810N	0	0	0	0	0	0	0		X	2004.09.27
B*5811	0	0	0	0	0	0	0		X	2005.05.31
B*5812	0	0	0	0	0	0	0		X	2006.04.30
B*5813	0	0	0	0	0	0	0		X	2006.06.30
B*5814	0	0	0	0	0	0	0		X	2006.11.30
B*5815	0	0	0	0	0	0	0		X	2007.03.28
B*5816	0	0	0	0	0	0	0		X	2007.10.22
B*5902	0	0	0	0	0	0	0		X	2006.05.31
B*6702	6	0	0	0	0	0	6	X		2000.11.22
B*7803	0	0	3	1	0	1	5	X		1998.07.28
B*7805	0	0	0	1	0	0	1	X		2000.12.18
B*8102	1	0	0	0	0	0	1	X		2003.09.29
B*8103	0	0	0	0	0	0	0		X	2007.07.31
B*8301	0	0	10	0	0	0	10	X		1999.11.18
B*9501	0	0	0	0	0	0	0		X	2005.03.22
B*9502	0	0	0	0	0	0	0		X	2005.05.31
B*9503	0	0	0	0	0	0	0		X	2005.06.30
B*9504	0	0	0	0	0	0	0		X	2005.06.30
B*9505	0	0	1	0	0	0	1	X		2005.08.25
B*9506	0	0	0	0	0	0	0		X	2005.08.25
B*9507	0	0	0	0	0	0	0		X	2005.10.30
B*9508	0	0	1	0	0	0	1	X		2005.10.30
B*9509	0	0	0	0	0	0	0		X	2005.11.23

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B*9510	0	0	0	0	0	0	0		X	2006.01.27
B*9511N	0	0	0	0	0	0	0		X	2006.02.27
B*9512	0	0	0	0	0	0	0		X	2006.02.27
B*9513	0	1	0	0	0	0	1	X		2006.02.27
B*9514	0	0	0	0	0	0	0		X	2006.03.26
B*9515	0	0	0	0	0	0	0		X	2006.04.30
B*9516	0	0	0	0	0	0	0		X	2006.04.30
B*9517	0	0	0	0	0	0	0		X	2006.07.31
B*9518	0	0	0	0	0	0	0		X	2006.08.23
B*9519	0	0	0	0	0	0	0		X	2006.08.23
B*9520	0	0	0	0	0	0	0		X	2004.07.31
B*9521	0	0	0	0	0	0	0		X	2006.09.27
B*9522	0	0	0	0	0	0	0		X	2006.12.27
B*9523	0	0	1	0	0	0	1	X		2007.01.28
B*9524	0	0	0	0	0	0	0		X	2007.01.28
B*9525	0	0	0	0	0	0	0		X	2007.01.28
B*9526	0	0	0	0	0	0	0		X	2007.01.28
B*9527	0	0	0	0	0	0	0		X	2007.02.28
B*9528	0	0	0	0	0	0	0		X	2007.03.28
B*9529	0	0	0	0	0	0	0		X	2007.03.28
B*9531	0	0	0	0	0	0	0		X	2007.05.31
B*9532	0	0	1	0	0	0	1	X		2007.05.31
B*9533	0	0	0	0	0	0	0		X	2007.07.31
B*9534	0	0	0	0	0	0	0		X	2007.07.31
B*9535	0	0	0	0	0	0	0		X	2007.08.31
B*9536	0	0	0	0	0	0	0		X	2007.08.31
B*9537	0	0	0	0	0	0	0		X	2007.08.31
B*9538	0	0	0	0	0	0	0		X	2007.08.31
B*9539	0	0	0	0	0	0	0		X	2007.08.31

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