



## 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
Cw*0104	0	0	2	0	0	0	2	X		1999.06.08
Cw*0105	0	1	0	0	0	0	1	X		2001.02.28
Cw*0106	0	3	1	0	0	1	5	X		2001.12.20
Cw*0109	0	0	2	0	0	0	2	X		2002.09.30
Cw*0110	0	0	0	3	0	1	4	X		2004.02.29
Cw*0111	0	0	0	0	0	0	0		X	2005.02.18
Cw*0112	0	0	0	0	0	0	0		X	2006.02.27
Cw*0113	0	0	0	0	0	0	0		X	2006.02.27
Cw*0114	0	0	0	0	0	0	0		X	2007.01.28
Cw*0115	0	0	1	0	0	0	1	X		2007.02.28
Cw*0116	1	0	0	0	0	0	1	X		2007.02.28
Cw*0117	0	1	0	0	0	0	1	X		2007.02.28
Cw*0118	0	1	0	0	0	0	1	X		2007.02.28
Cw*0119	0	0	0	0	0	0	0		X	2007.05.31
Cw*0205	0	0	0	0	0	0	0		X	2001.04.30
Cw*0209	0	0	1	0	0	0	1	X		2004.02.28
Cw*0211	0	0	0	0	0	0	0		X	2005.04.29
Cw*0212	0	0	0	0	0	0	0		X	2005.06.30
Cw*0213	0	0	0	0	0	0	0		X	2006.01.27
Cw*0214	1	0	0	0	0	0	1	X		2006.01.27
Cw*0215	0	0	1	0	0	0	1	X		2006.05.31
Cw*0216	0	0	0	0	0	0	0		X	2006.06.30
Cw*0217	0	0	0	0	0	0	0		X	2006.12.27
Cw*0218	0	0	0	1	0	0	1	X		2007.02.28
Cw*0219	0	0	0	0	0	0	0		X	2007.07.31
Cw*0220	0	0	0	0	0	0	0		X	2007.08.31
Cw*0311	0	0	1	0	0	0	1	X		1999.06.25
Cw*0312	0	0	0	0	1	0	1	X		1999.11.18
Cw*0313	0	1	1	0	0	0	2	X		2001.01.31
Cw*0315	0	1	1	0	0	0	2	X		2002.03.28
Cw*0318	0	0	2	0	0	0	2	X		2004.05.24
Cw*0319	0	0	4	0	1	0	5	X		2005.02.18
Cw*0320N	0	0	0	0	0	0	0		X	2005.09.23
Cw*0321	0	1	0	0	0	0	1	X		2005.11.23
Cw*0322Q	0	0	0	0	0	0	0		X	2005.12.30
Cw*0323	0	0	0	0	0	0	0		X	2006.01.27
Cw*0324	0	0	0	0	0	0	0		X	2006.02.27
Cw*0325	0	0	0	0	0	0	0		X	2006.03.26
Cw*0326	0	0	0	0	0	0	0		X	2006.04.30
Cw*0327	0	0	0	0	0	0	0		X	2006.06.30
Cw*0328	0	0	1	0	0	0	1	X		2006.06.30
Cw*0329	0	0	0	0	0	0	0		X	2006.06.30
Cw*0330	0	0	0	0	0	0	0		X	2006.07.31
Cw*0331	0	0	0	0	0	0	0		X	2006.08.23
Cw*0332	0	0	0	0	0	0	0		X	2006.09.27
Cw*0333	0	0	0	0	0	0	0		X	2006.11.30
Cw*0334	0	0	0	0	0	0	0		X	2006.11.30

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Allele	AFA	API	CAU	HIS	NAM	OTH	Total Count	Rare (< 1:50,000)	Zero	Publish Date
Cw*0335	0	0	1	0	0	0	1	X		2006.12.27
Cw*0336	0	1	0	0	0	0	1	X		2007.02.28
Cw*0337	0	1	0	0	0	0	1	X		2007.02.28
Cw*0338	0	0	0	1	0	0	1	X		2007.02.28
Cw*0339	0	0	0	0	0	0	0		X	2007.02.28
Cw*0340	0	0	1	0	0	0	1	X		2007.03.28
Cw*0341	0	0	0	0	0	0	0		X	2007.04.30
Cw*0342	0	0	0	0	0	0	0		X	2007.07.31
Cw*0343	0	0	0	0	0	0	0		X	2007.07.31
Cw*0344	0	0	0	0	0	0	0		X	2007.07.31
Cw*0345	0	0	0	0	0	0	0		X	2007.07.31
Cw*0346	0	0	0	0	0	0	0		X	2007.07.31
Cw*0347	0	0	0	0	0	0	0		X	2007.11.30
Cw*0412	0	0	2	0	0	0	2	X		2003.10.24
Cw*0414	2	0	0	0	0	0	2	X		2004.01.31
Cw*0415	1	0	1	0	0	0	2	X		2004.01.31
Cw*0416	0	0	0	0	0	0	0		X	2005.05.31
Cw*0417	1	0	0	1	0	0	2	X		2005.06.30
Cw*0418	0	0	0	0	0	0	0		X	2006.01.27
Cw*0419	0	0	0	0	0	0	0		X	2006.04.30
Cw*0420	0	0	0	0	0	0	0		X	2006.04.30
Cw*0423	0	0	0	0	0	0	0		X	2006.07.31
Cw*0424	0	0	0	0	0	0	0		X	2006.07.31
Cw*0425	0	0	1	0	0	0	1	X		2007.02.28
Cw*0426	0	1	0	0	0	0	1	X		2007.02.28
Cw*0427	1	0	0	0	0	0	1	X		2007.02.28
Cw*0428	0	0	0	0	0	0	0		X	2007.07.31
Cw*0429	0	0	0	0	0	0	0		X	2007.08.31
Cw*0430	0	0	0	0	0	0	0		X	2007.09.25
Cw*0431	0	0	0	0	0	0	0		X	2007.09.25
Cw*0504	0	0	2	2	0	0	4	X		1999.11.30
Cw*0507N	0	0	2	0	0	1	3	X		2003.10.24
Cw*0510	0	0	5	0	0	0	5	X		2004.04.30
Cw*0511	0	0	0	0	0	0	0		X	2005.03.22
Cw*0512	0	0	0	0	0	0	0		X	2005.11.23
Cw*0513	0	0	0	0	0	0	0		X	2005.12.30
Cw*0514	0	0	1	0	0	0	1	X		2006.05.31
Cw*0515	0	0	0	0	0	0	0		X	2006.12.27
Cw*0516	0	0	0	0	0	0	0		X	2007.01.28
Cw*0517	0	0	0	0	0	0	0		X	2007.06.22
Cw*0605	0	0	3	0	0	0	3	X		1999.02.16
Cw*0610	0	0	1	0	0	1	2	X		2003.10.24
Cw*0611	0	0	2	0	0	0	2	X		2004.03.22
Cw*0612	0	0	0	0	0	0	0		X	2005.04.29
Cw*0613	0	0	0	0	0	0	0		X	2005.06.30
Cw*0614	0	0	0	0	0	0	0		X	2006.11.30
Cw*0615	0	1	0	0	0	0	1	X		2007.02.28

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Cw*0616N	0	0	0	0	1	0	1	X		2007.02.28
Cw*0703	0	0	3	0	0	1	4	X		1992.10.07
Cw*0708	0	0	4	0	0	0	4	X		1998.01.09
Cw*0711	0	0	0	0	0	0	0		X	1998.09.10
Cw*0713	0	1	3	1	0	0	5	X		1999.06.25
Cw*0714	0	0	0	0	0	0	0		X	1999.06.25
Cw*0720	0	0	2	0	0	0	2	X		2003.04.30
Cw*0721	0	0	5	0	0	0	5	X		2003.10.24
Cw*0722	0	0	5	0	0	0	5	X		2003.10.24
Cw*0723	0	0	1	0	0	0	1	X		2004.02.29
Cw*0725	0	0	3	1	0	0	4	X		2004.03.22
Cw*0728	0	0	0	0	0	0	0		X	2004.07.31
Cw*0730	0	0	0	0	0	0	0		X	2005.03.22
Cw*0731	0	0	0	0	0	0	0		X	2005.05.31
Cw*0732N	0	0	0	0	0	0	0		X	2005.09.23
Cw*0733N	0	0	2	0	0	0	2	X		2005.11.23
Cw*0735	3	0	0	0	0	0	3	X		2006.01.27
Cw*0736	0	0	0	0	0	0	0		X	2006.01.27
Cw*0737	0	0	0	0	0	0	0		X	2006.02.27
Cw*0738	0	0	0	0	0	0	0		X	2006.02.27
Cw*0739	0	0	0	1	0	0	1	X		2006.05.31
Cw*0740	0	0	2	0	0	0	2	X		2006.06.30
Cw*0741	0	0	0	0	0	0	0		X	2006.07.31
Cw*0742	0	0	0	0	0	0	0		X	2006.09.27
Cw*0743	0	1	0	0	0	0	1	X		2006.10.31
Cw*0744	0	0	0	0	0	0	0		X	2006.11.30
Cw*0745	0	0	0	0	0	0	0		X	2006.11.30
Cw*0746	0	0	1	0	0	0	1	X		2007.01.28
Cw*0747	0	1	0	0	0	0	1	X		2007.02.28
Cw*0748	0	1	0	0	0	0	1	X		2007.02.28
Cw*0749	0	0	0	0	0	0	0		X	2007.04.30
Cw*0750	0	0	0	0	0	0	0		X	2007.07.31
Cw*0751	0	0	0	0	0	0	0		X	2007.07.31
Cw*0752	0	0	0	0	0	0	0		X	2007.09.25
Cw*0753	0	0	0	0	0	0	0		X	2007.09.25
Cw*0807	0	1	1	0	0	0	2	X		1999.11.18
Cw*0808	0	0	0	0	0	0	0		X	2000.03.31
Cw*0809	1	0	1	0	0	0	2	X		2000.10.30
Cw*0811	0	0	0	3	0	0	3	X		2004.01.31
Cw*0812	1	0	2	1	0	0	4	X		2004.03.22
Cw*0813	1	0	0	0	0	1	2	X		2005.07.28
Cw*0814	0	0	0	0	0	0	0		X	2006.01.27
Cw*0815	0	0	0	0	0	0	0		X	2007.07.31
Cw*1206	0	0	1	0	1	0	2	X		1998.03.11
Cw*1207	0	0	0	0	0	1	1	X		1999.11.18
Cw*1208	0	0	1	0	0	0	1	X		2001.01.31
Cw*1210	0	0	0	0	0	0	0		X	2003.07.31

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Cw*1211	0	0	0	0	0	0	0		X	2003.08.26
Cw*1213	0	0	5	0	0	0	5	X		2004.06.25
Cw*1214	0	0	3	0	0	0	3	X		2004.06.25
Cw*1215	0	0	0	0	0	0	0		X	2004.07.31
Cw*1216	0	0	0	0	0	0	0		X	2005.07.28
Cw*1217	0	0	0	0	0	0	0		X	2005.09.23
Cw*1218	0	0	1	0	0	0	1	X		2006.04.30
Cw*1219	0	0	0	0	0	0	0		X	2006.06.30
Cw*1220	0	0	0	0	0	0	0		X	2007.01.28
Cw*1221	0	0	1	0	0	0	1	X		2007.02.28
Cw*1406	0	0	0	1	0	1	2	X		2005.01.31
Cw*1407N	0	0	0	0	0	0	0		X	2005.06.30
Cw*1408	0	0	0	0	0	0	0		X	2006.01.27
Cw*1409	0	0	0	0	0	0	0		X	2007.09.25
Cw*1508	0	1	0	1	0	0	2	X		1998.10.29
Cw*1510	0	0	2	0	0	0	2	X		2000.10.23
Cw*1512	0	1	0	0	0	0	1	X		2004.03.22
Cw*1515	1	0	0	0	0	0	1	X		2005.11.23
Cw*1516	0	0	2	0	0	0	2	X		2005.12.30
Cw*1517	0	0	0	0	0	0	0		X	2006.01.27
Cw*1518	0	1	0	0	0	0	1	X		2007.02.28
Cw*1519	0	0	0	1	0	0	1	X		2007.02.28
Cw*1520	0	0	0	1	0	0	1	X		2007.02.28
Cw*1521	0	0	0	0	0	0	0		X	2007.04.30
Cw*1606	0	0	0	0	0	1	1	X		2003.02.25
Cw*1607	0	0	0	0	0	0	0		X	2005.06.30
Cw*1608	1	0	0	0	0	0	1	X		2005.07.28
Cw*1609	0	0	0	0	0	0	0		X	2006.09.27
Cw*1610	0	0	0	0	0	0	0		X	2007.09.25
Cw*1702	0	0	3	1	0	0	4	X		1996.01.04
Cw*1704	1	0	0	0	0	0	1	X		2005.07.28
Cw*1803	3	0	0	0	0	0	3	X		2007.02.28

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