

## HISTO TYPE Rainbow list of Common and Well Defined alleles (CWD) Version 2.1.0

### Class I

The list of alleles is based on CWD 2.0.0 but some alleles listed in the original publication were shown to be sequence errors.

HLA-A			HLA-B			HLA-C		
HLA allele ID	Allele	C/WD	HLA allele ID	Allele	C/WD	HLA allele ID	Allele	C/WD
HLA00001	A*01:01:01:01	C	HLA00132	B*07:02:01:01	C	HLA00401	C*01:02:01:01	C
HLA00002	A*01:02:01	C	HLA00135	B*07:03	WD	HLA00402	C*01:03	WD
HLA00003	A*01:03:01:01	C	HLA00136	B*07:04:01	C	HLA01555	C*01:06	WD
HLA00004	A*01:04:01:01N	WD	HLA00137	B*07:05:01:01	C	HLA01644	C*01:07:01	WD
HLA01031	A*01:06	WD	HLA00138	B*07:06:01:01	C	HLA01636	C*01:08	WD
HLA01496	A*01:09:01:01	WD	HLA00139	B*07:07:01	WD	HLA01866	C*01:10	WD
HLA02108	A*01:12	WD	HLA00140	B*07:08:01	WD	HLA02813	C*01:17	WD
HLA02373	A*01:17	WD	HLA00141	B*07:09:01	WD	HLA03707	C*01:27	WD
HLA02897	A*01:25	WD	HLA00142	B*07:10	C	HLA00404	C*02:02:01	WD
HLA00005	A*02:01:01:01	C	HLA00144	B*07:12	WD	HLA00405	C*02:02:02:01	C
HLA01032	A*02:01:04	C	HLA00145	B*07:13	WD	HLA01344	C*02:04	WD
HLA00007	A*02:02:01:01	C	HLA01049	B*07:14	WD	HLA01673	C*02:06:01	WD
HLA00008	A*02:03:01	C	HLA01050	B*07:15	WD	HLA01715	C*02:07	WD
HLA00009	A*02:04	C	HLA01051	B*07:16	WD	HLA01739	C*02:08	WD
HLA00010	A*02:05:01:01	C	HLA01184	B*07:20	WD	HLA02120	C*02:10:01:01	C
HLA00011	A*02:06:01:01	C	HLA01286	B*07:23	WD	HLA02430	C*02:14:01	WD
HLA00012	A*02:07:01:01	C	HLA01362	B*07:26	WD	HLA03024	C*02:19	WD
HLA00013	A*02:08	C	HLA01808	B*07:36	WD	HLA00410	C*03:02:01	C
HLA00014	A*02:09:01:01	C	HLA01881	B*07:37:01	WD	HLA01543	C*03:02:02:01	WD
HLA00015	A*02:10	C	HLA02175	B*07:42	WD	HLA00411	C*03:03:01:01	C
HLA00016	A*02:11:01:01	C	HLA02247	B*07:43	WD	HLA01855	C*03:03:04	C
HLA00017	A*02:12	WD	HLA02446	B*07:46	WD	HLA00413	C*03:04:01:01	C
HLA00018	A*02:13	WD	HLA02713	B*07:51	WD	HLA00414	C*03:04:02:01	C
HLA00019	A*02:14	C	HLA00146	B*08:01:01:01	C	HLA00415	C*03:05	C
HLA00021	A*02:16	WD	HLA00147	B*08:02	WD	HLA00416	C*03:06:01	C
HLA00023	A*02:17:02:01	C	HLA00148	B*08:03	WD	HLA00417	C*03:07:01:01	WD
HLA00024	A*02:18	WD	HLA00149	B*08:04:01	WD	HLA00418	C*03:08	WD
HLA00025	A*02:19	WD	HLA00974	B*08:07	WD	HLA00419	C*03:09	WD
HLA00026	A*02:20:01	C	HLA00976	B*08:09	WD	HLA01076	C*03:10	WD
HLA00027	A*02:21	WD	HLA01352	B*08:13	WD	HLA01425	C*03:14	WD
HLA00028	A*02:22:01:01	C	HLA01701	B*08:18	WD	HLA01660	C*03:16	WD
HLA00030	A*02:24:01	C	HLA01752	B*08:20:01	WD	HLA01906	C*03:17:01	WD
HLA00031	A*02:25	WD	HLA02132	B*08:23	WD	HLA02133	C*03:19	WD
HLA00033	A*02:27	WD	HLA03164	B*08:35	WD	HLA02758	C*03:35:01	WD
HLA00035	A*02:29	WD	HLA00152	B*13:01:01:01	C	HLA02817	C*03:36	WD
HLA00036	A*02:30:01	C	HLA00153	B*13:02:01:01	C	HLA02881	C*03:40:01	WD
HLA01033	A*02:33	WD	HLA00154	B*13:03	WD	HLA05162	C*03:88	WD
HLA01034	A*02:34	WD	HLA00155	B*13:04	WD	HLA00420	C*04:01:01:01	C
HLA01035	A*02:35:01	WD	HLA01476	B*13:08	WD	HLA00423	C*04:03:01:01	C
HLA01036	A*02:36	WD	HLA01591	B*13:10	WD	HLA00424	C*04:04:01:01	C
HLA01105	A*02:38	WD	HLA01840	B*13:12:01	WD	HLA00425	C*04:05	WD
HLA01109	A*02:39	WD	HLA00157	B*14:01:01:01	C	HLA00426	C*04:06:01	WD
HLA01222	A*02:44	WD	HLA00158	B*14:02:01:01	C	HLA01078	C*04:07:01	C
HLA01249	A*02:45	WD	HLA00159	B*14:03	C	HLA01311	C*04:08	WD
HLA01404	A*02:49:01	WD	HLA00161	B*14:05	WD	HLA01451	C*04:09N	C
HLA01534	A*02:53N	C	HLA03318	B*14:09	WD	HLA01645	C*04:10	WD

HLA-A			HLA-B			HLA-C		
HLA01610	A*02:58	WD	HLA00162	B*15:01:01:01	C	HLA01851	C*04:13:01:01	WD
HLA01665	A*02:60:01	C	HLA00163	B*15:01:01:02N	WD	HLA02511	C*04:19	WD
HLA01735	A*02:63	WD	HLA00165	B*15:02:01:01	C	HLA02831	C*04:27	WD
HLA01760	A*02:64:01	WD	HLA00166	B*15:03:01:01	C	HLA05916	C*04:82	WD
HLA02028	A*02:74:01	WD	HLA00167	B*15:04:01:01	WD	HLA00427	C*05:01:01:01	C
HLA02233	A*02:84	WD	HLA00168	B*15:05:01	WD	HLA03586	C*05:01:01:02	WD
HLA02235	A*02:85	WD	HLA00169	B*15:06	WD	HLA01174	C*05:04:01	WD
HLA02248	A*02:86:01	WD	HLA00170	B*15:07:01:01	C	HLA01602	C*05:05:01	WD
HLA02321	A*02:87	WD	HLA00171	B*15:08:01	C	HLA01832	C*05:07N	WD
HLA02468	A*02:93:01	WD	HLA00172	B*15:09:01	C	HLA01843	C*05:08	WD
HLA02501	A*02:96	WD	HLA00173	B*15:10:01:01	C	HLA01856	C*05:09:01	WD
HLA02936	A*02:119	WD	HLA00174	B*15:11:01	C	HLA01907	C*05:10	WD
HLA02956	A*02:122	WD	HLA00175	B*15:12:01	C	HLA02586	C*05:14	WD
HLA02957	A*02:123	WD	HLA00176	B*15:13:01	C	HLA00430	C*06:02:01:01	C
HLA03096	A*02:131:01:01	WD	HLA00177	B*15:14	WD	HLA02561	C*06:02:01:02	WD
HLA03181	A*02:137	WD	HLA00178	B*15:15:01:01	C	HLA00432	C*06:04:01	WD
HLA00037	A*03:01:01:01	C	HLA00179	B*15:16:01:01	C	HLA01258	C*06:06	WD
HLA01960	A*03:01:01:03	WD	HLA00180	B*15:17:01:01	C	HLA01301	C*06:07	WD
HLA00038	A*03:01:02	WD	HLA00181	B*15:18:01:01	C	HLA01628	C*06:08	WD
HLA00039	A*03:01:03	WD	HLA00183	B*15:20	WD	HLA01681	C*06:09:01	WD
HLA00040	A*03:02:01	C	HLA00184	B*15:21:01:01	C	HLA04299	C*06:27	WD
HLA01107	A*03:05:01	C	HLA00186	B*15:23	WD	HLA00433	C*07:01:01:01	C
HLA01251	A*03:06	WD	HLA00187	B*15:24:01	C	HLA00992	C*07:01:02:01	WD
HLA01275	A*03:07:01	WD	HLA00188	B*15:25:01:01	C	HLA00434	C*07:02:01:01	C
HLA01302	A*03:08:01:01	WD	HLA00190	B*15:27:01	WD	HLA01902	C*07:02:01:03	WD
HLA01477	A*03:09	WD	HLA00191	B*15:28	WD	HLA00436	C*07:04:01:01	C
HLA02197	A*03:17:01	WD	HLA00192	B*15:29:01:01	WD	HLA00437	C*07:05	WD
HLA02369	A*03:21N	WD	HLA00193	B*15:30:01:01	C	HLA00438	C*07:06:01:01	C
HLA02405	A*03:22:01	WD	HLA00194	B*15:31:01:01	WD	HLA00439	C*07:07	WD
HLA02761	A*03:26	WD	HLA00195	B*15:32:01	C	HLA00442	C*07:10	WD
HLA03709	A*03:50	WD	HLA00196	B*15:33	WD	HLA00444	C*07:12	WD
HLA05705	A*03:108	WD	HLA00197	B*15:34	C	HLA01079	C*07:13:01:01	WD
HLA00043	A*11:01:01:01	C	HLA00198	B*15:35	C	HLA01662	C*07:17:01:01	WD
HLA00044	A*11:02:01:01	C	HLA00200	B*15:37	WD	HLA01672	C*07:18:01:01	C
HLA00045	A*11:03	WD	HLA00201	B*15:38:01	WD	HLA01720	C*07:19	WD
HLA00046	A*11:04	C	HLA00202	B*15:39:01:01	C	HLA01833	C*07:21	WD
HLA00047	A*11:05	WD	HLA00203	B*15:40:01	WD	HLA01844	C*07:22	WD
HLA01298	A*11:08	WD	HLA00205	B*15:42	WD	HLA01864	C*07:24	WD
HLA01310	A*11:09	WD	HLA00207	B*15:44	WD	HLA01877	C*07:25	WD
HLA01423	A*11:10	WD	HLA00208	B*15:45	WD	HLA01889	C*07:26:01:01	WD
HLA01556	A*11:12	WD	HLA00209	B*15:46	WD	HLA01908	C*07:27:01	WD
HLA01987	A*11:19	WD	HLA00210	B*15:47:01	WD	HLA02010	C*07:29:01:01	WD
HLA02601	A*11:29	WD	HLA00211	B*15:48	WD	HLA02354	C*07:32N	WD
HLA02775	A*11:30	WD	HLA01053	B*15:52	WD	HLA02425	C*07:35	WD
HLA00048	A*23:01:01:01	C	HLA01054	B*15:53	WD	HLA02598	C*07:40	WD
HLA01039	A*23:03:01	WD	HLA01103	B*15:54	WD	HLA02697	C*07:43:01	WD
HLA01108	A*23:04	WD	HLA01113	B*15:55	WD	HLA02789	C*07:46	WD
HLA01111	A*23:05	WD	HLA01114	B*15:56	WD	HLA03310	C*07:56:01	WD
HLA01210	A*23:06	WD	HLA01118	B*15:58	WD	HLA03436	C*07:60	WD
HLA02328	A*23:13	WD	HLA01284	B*15:63	WD	HLA03439	C*07:61N	WD
HLA02892	A*23:15	WD	HLA01426	B*15:65	WD	HLA03631	C*07:66	WD
HLA03165	A*23:17:01:01	WD	HLA01561	B*15:71	WD	HLA03623	C*07:67	WD
HLA03183	A*23:19N	WD	HLA01611	B*15:73:01:01	WD	HLA03703	C*07:72	WD
HLA00050	A*24:02:01:01	C	HLA01690	B*15:75	WD	HLA04996	C*07:104N	WD

HLA-A			HLA-B			HLA-C		
HLA00051	A*24:02:01:02L	C	HLA01801	B*15:82	WD	HLA00445	C*08:01:01:01	C
HLA00052	A*24:02:02	WD	HLA02483	B*15:113	WD	HLA00446	C*08:02:01:01	C
HLA00053	A*24:03:01:01	C	HLA02781	B*15:125:01	WD	HLA00447	C*08:03:01	C
HLA00054	A*24:04	WD	HLA02976	B*15:132	WD	HLA00448	C*08:04:01:01	C
HLA00055	A*24:05:01	WD	HLA03217	B*15:141	WD	HLA00449	C*08:05	WD
HLA00056	A*24:06	WD	HLA00213	B*18:01:01:01	C	HLA00450	C*08:06	WD
HLA00057	A*24:07:01:01	C	HLA01565	B*18:01:02	WD	HLA01835	C*08:10	WD
HLA00058	A*24:08	WD	HLA00214	B*18:02:01	C	HLA01879	C*08:12:01:01	WD
HLA00059	A*24:09N	WD	HLA00215	B*18:03:01:01	C	HLA02302	C*08:13	WD
HLA00060	A*24:10:01:01	C	HLA00216	B*18:04:01	WD	HLA03680	C*08:22:01:01	WD
HLA00061	A*24:11N	WD	HLA00217	B*18:05:01:01	WD	HLA00454	C*12:02:02:01	C
HLA00063	A*24:13:01	WD	HLA00218	B*18:06	WD	HLA01145	C*12:02:03	WD
HLA00064	A*24:14:01:01	WD	HLA01055	B*18:08	WD	HLA00455	C*12:03:01:01	C
HLA00065	A*24:15	WD	HLA01270	B*18:11	WD	HLA00456	C*12:04:01	WD
HLA00067	A*24:17	C	HLA01281	B*18:12:01	WD	HLA00457	C*12:04:02:01	C
HLA00070	A*24:20:01:01	C	HLA01353	B*18:13	WD	HLA00458	C*12:05	WD
HLA00970	A*24:22	WD	HLA01506	B*18:14	WD	HLA01705	C*12:09	WD
HLA01041	A*24:23	WD	HLA01613	B*18:18:01:01	WD	HLA01878	C*12:12	WD
HLA01189	A*24:25	C	HLA01914	B*18:20	WD	HLA01954	C*12:13:01:01	WD
HLA01171	A*24:26	WD	HLA02783	B*18:25	WD	HLA02304	C*12:16:01	WD
HLA01316	A*24:29	WD	HLA03612	B*18:33	WD	HLA00462	C*14:02:01:01	C
HLA01317	A*24:30	WD	HLA00220	B*27:01	WD	HLA01721	C*14:02:03	C
HLA01330	A*24:31	WD	HLA00221	B*27:02:01:01	C	HLA00464	C*14:03:01:01	C
HLA01465	A*24:32	WD	HLA00222	B*27:03	C	HLA00465	C*14:04	WD
HLA01491	A*24:33	C	HLA00223	B*27:04:01	C	HLA01469	C*14:05	WD
HLA01566	A*24:35	WD	HLA00225	B*27:05:02:01	C	HLA03455	C*14:11	WD
HLA01649	A*24:37	WD	HLA00226	B*27:05:03	WD	HLA00467	C*15:02:01:01	C
HLA01674	A*24:38	WD	HLA00227	B*27:06:01:01	C	HLA01081	C*15:02:02:01	WD
HLA01957	A*24:43	WD	HLA00228	B*27:07:01	C	HLA00468	C*15:03	WD
HLA02037	A*24:47	WD	HLA00229	B*27:08	C	HLA00469	C*15:04:01:01	C
HLA02198	A*24:53	WD	HLA00230	B*27:09	WD	HLA00470	C*15:05:01:01	C
HLA02366	A*24:56	WD	HLA00231	B*27:10	WD	HLA00471	C*15:05:02:01	WD
HLA02365	A*24:57	WD	HLA00233	B*27:12:01:01	WD	HLA00472	C*15:06:01	C
HLA02401	A*24:58	WD	HLA00235	B*27:14	WD	HLA00473	C*15:07:01:01	WD
HLA02574	A*24:64	WD	HLA00236	B*27:15	WD	HLA00474	C*15:08:01	WD
HLA02860	A*24:72	WD	HLA01130	B*27:17	WD	HLA01124	C*15:09:01:01	C
HLA03031	A*24:81	WD	HLA01147	B*27:19:01:01	WD	HLA01424	C*15:11	WD
HLA03352	A*24:90:01N	WD	HLA01173	B*27:20	WD	HLA02022	C*15:13:01:01	WD
HLA03535	A*24:95	WD	HLA01504	B*27:24	WD	HLA03813	C*15:22	WD
HLA00071	A*25:01:01:01	C	HLA02023	B*27:27	WD	HLA00475	C*16:01:01:01	C
HLA00072	A*25:02	WD	HLA00237	B*35:01:01:01	C	HLA00476	C*16:02:01:01	C
HLA00073	A*26:01:01:01	C	HLA00238	B*35:02:01:01	C	HLA00478	C*16:04:01:01	C
HLA00074	A*26:02:01	WD	HLA00239	B*35:03:01:01	C	HLA04311	C*17:01:01:02	C
HLA00075	A*26:03:01:01	C	HLA00240	B*35:04:01:01	C	HLA00993	C*17:03:01:01	C
HLA00079	A*26:07:01	WD	HLA00241	B*35:05:01:01	C	HLA00483	C*18:01:01:01	C
HLA01805	A*26:07:02	WD	HLA00242	B*35:06	WD	HLA00484	C*18:02:01:01	C
HLA00080	A*26:08:01:01	C	HLA00244	B*35:08:01:01	C			
HLA00081	A*26:09	WD	HLA00245	B*35:09:01	WD			
HLA00084	A*26:12	WD	HLA00246	B*35:09:02	WD			
HLA01044	A*26:13	WD	HLA00247	B*35:10	WD			
HLA01120	A*26:14	WD	HLA00248	B*35:11:01	WD			
HLA01272	A*26:15	WD	HLA00249	B*35:12:01:01	C			
HLA01347	A*26:16	WD	HLA00250	B*35:13	WD			
HLA01351	A*26:17	WD	HLA00251	B*35:14:01	C			

HLA-A			HLA-B			HLA-C		
HLA01525	A*26:18	WD	HLA00252	B*35:15:01	WD			
HLA01876	A*26:20	WD	HLA00253	B*35:16	C			
HLA02581	A*26:31	WD	HLA00254	B*35:17:01	C			
HLA00085	A*29:01:01:01	C	HLA00255	B*35:18	WD			
HLA00086	A*29:02:01:01	C	HLA00256	B*35:19	C			
HLA00088	A*29:04	WD	HLA00257	B*35:20:01	C			
HLA01716	A*29:09	WD	HLA00258	B*35:21	C			
HLA01795	A*29:10:01	WD	HLA00259	B*35:22:01:01	WD			
HLA02083	A*29:12	WD	HLA00260	B*35:23	C			
HLA00089	A*30:01:01:01	C	HLA00261	B*35:24:01	WD			
HLA00090	A*30:02:01:01	C	HLA00262	B*35:25	WD			
HLA00091	A*30:03	WD	HLA00263	B*35:26	WD			
HLA00092	A*30:04:01:01	C	HLA00264	B*35:27	WD			
HLA00095	A*30:07	WD	HLA00981	B*35:28:01:01	WD			
HLA01112	A*30:08:01	WD	HLA00982	B*35:29:01	WD			
HLA01224	A*30:09	WD	HLA01057	B*35:30:01:01	WD			
HLA01411	A*30:10	WD	HLA01058	B*35:31	WD			
HLA01445	A*30:11:01	WD	HLA01059	B*35:32:01	WD			
HLA02127	A*30:15	WD	HLA01194	B*35:34	WD			
HLA02439	A*30:16	WD	HLA01314	B*35:37	WD			
HLA00097	A*31:01:02:01	C	HLA01563	B*35:41	C			
HLA00098	A*31:02:01	WD	HLA00185	B*35:43:01	C			
HLA00099	A*31:03	WD	HLA01846	B*35:47	WD			
HLA00100	A*31:04:01:01	WD	HLA01850	B*35:48	WD			
HLA01546	A*31:06	WD	HLA01888	B*35:49:01	WD			
HLA00066	A*31:08	WD	HLA02031	B*35:55	WD			
HLA01651	A*31:09	WD	HLA02977	B*35:77	WD			
HLA02040	A*31:11	WD	HLA00265	B*37:01:01:01	C			
HLA02085	A*31:12	WD	HLA00266	B*37:02	WD			
HLA02355	A*31:13	WD	HLA01267	B*37:03N	WD			
HLA02737	A*31:15	WD	HLA02007	B*37:07	WD			
HLA02898	A*31:16	WD	HLA00267	B*38:01:01:01	C			
HLA02934	A*31:18	WD	HLA00268	B*38:02:01:01	C			
HLA03116	A*31:20	WD	HLA00269	B*38:02:02:01	WD			
HLA03920	A*31:26	WD	HLA01265	B*38:06	WD			
HLA00101	A*32:01:01:01	C	HLA01655	B*38:09	WD			
HLA00102	A*32:02	WD	HLA00271	B*39:01:01:01	C			
HLA00103	A*32:03:01:01	WD	HLA00274	B*39:02:01	WD			
HLA01045	A*32:04	WD	HLA00275	B*39:02:02:01	C			
HLA01228	A*32:06	WD	HLA00276	B*39:03:01:01	C			
HLA01463	A*32:07	WD	HLA00277	B*39:04	WD			
HLA01886	A*32:08	WD	HLA00278	B*39:05:01:01	C			
HLA00104	A*33:01:01:01	C	HLA00279	B*39:06:01	WD			
HLA00106	A*33:03:01:01	C	HLA00280	B*39:06:02:01	C			
HLA00971	A*33:05	WD	HLA00281	B*39:07	WD			
HLA02739	A*33:09	WD	HLA00282	B*39:08	C			
HLA00108	A*34:01:01:01	C	HLA00283	B*39:09:01:01	WD			
HLA00109	A*34:02:01:01	C	HLA00284	B*39:10:01	C			
HLA01675	A*34:05	C	HLA00285	B*39:11	C			
HLA00110	A*36:01	C	HLA00286	B*39:12:01:01	C			
HLA01290	A*36:02	WD	HLA00287	B*39:13:01	WD			
HLA01497	A*36:03	WD	HLA00288	B*39:14:01:01	WD			
HLA01631	A*36:04	WD	HLA00289	B*39:15	C			
HLA00111	A*43:01	C	HLA01183	B*39:20	WD			

HLA-A			HLA-B			HLA-C		
HLA00112	A*66:01:01:01	C	HLA01196	B*39:22	WD			
HLA00113	A*66:02	C	HLA01221	B*39:24:01	C			
HLA00114	A*66:03:01:01	WD	HLA01528	B*39:26	WD			
HLA01375	A*66:04	WD	HLA01926	B*39:31:01:01	WD			
HLA00115	A*68:01:01:01	C	HLA02384	B*39:37	WD			
HLA00116	A*68:01:02:01	C	HLA02426	B*39:39:01	WD			
HLA00117	A*68:02:01:01	C	HLA00292	B*40:01:02:01	C			
HLA02508	A*68:02:01:02	WD	HLA00293	B*40:02:01:01	C			
HLA00118	A*68:03:01:01	C	HLA00294	B*40:03:01:01	WD			
HLA00121	A*68:05	C	HLA00295	B*40:04:01	WD			
HLA00122	A*68:06	WD	HLA00296	B*40:05:01:01	C			
HLA00123	A*68:07	WD	HLA00297	B*40:06:01:01	C			
HLA00124	A*68:08:01:01	WD	HLA00298	B*40:07	WD			
HLA00972	A*68:10	WD	HLA00299	B*40:08	C			
HLA00973	A*68:11N	WD	HLA00300	B*40:09	WD			
HLA01046	A*68:12:01	WD	HLA00301	B*40:10:01:01	WD			
HLA01106	A*68:15	WD	HLA00302	B*40:11:01:01	WD			
HLA01170	A*68:17:01	WD	HLA00303	B*40:12:01	WD			
HLA01464	A*68:20	WD	HLA00304	B*40:13	WD			
HLA01595	A*68:22	WD	HLA00307	B*40:16:01:01	C			
HLA01707	A*68:24	WD	HLA00310	B*40:19	WD			
HLA01822	A*68:25	WD	HLA00311	B*40:20:01:01	WD			
HLA01944	A*68:27:01	WD	HLA00984	B*40:22N	WD			
HLA02624	A*68:35:01:01	WD	HLA01122	B*40:26	WD			
HLA02780	A*68:37	WD	HLA01129	B*40:27:01	C			
HLA02982	A*68:40	WD	HLA01232	B*40:30	WD			
HLA00126	A*69:01:01:01	C	HLA01269	B*40:32	WD			
HLA00127	A*74:01:01:01	C	HLA01510	B*40:40	WD			
HLA00129	A*74:03:01:01	C	HLA01600	B*40:43	WD			
HLA01254	A*74:05	WD	HLA01899	B*40:50:01:01	WD			
HLA01422	A*74:06	WD	HLA02482	B*40:64:01:01	WD			
HLA01653	A*74:09	WD	HLA03312	B*40:90	WD			
HLA01819	A*74:10	WD	HLA03584	B*40:94	WD			
HLA02254	A*74:11	WD	HLA04940	B*40:114:01:01	WD			
HLA03499	A*74:13	WD	HLA04878	B*40:129	WD			
HLA00130	A*80:01:01:01	C	HLA00312	B*41:01:01:01	C			
			HLA00313	B*41:02:01:01	C			
			HLA00314	B*41:03:01	C			
			HLA02144	B*41:07	WD			
			HLA00315	B*42:01:01:01	C			
			HLA00316	B*42:02:01:01	C			
			HLA01712	B*42:05:01	WD			
			HLA00318	B*44:02:01:01	C			
			HLA00319	B*44:03:01:01	C			
			HLA00320	B*44:03:02:01	C			
			HLA00321	B*44:04	C			
			HLA00322	B*44:05:01:01	C			
			HLA00323	B*44:06	WD			
			HLA00324	B*44:07	WD			
			HLA00325	B*44:08	WD			
			HLA00326	B*44:09	WD			
			HLA00327	B*44:10	C			
			HLA01065	B*44:12	WD			
			HLA01068	B*44:15:01:01	WD			

HLA-A	HLA-B	HLA-C	
	HLA01144	B*44:18	WD
	HLA01195	B*44:20	WD
	HLA01197	B*44:21	WD
	HLA01313	B*44:22	WD
	HLA01341	B*44:23N	WD
	HLA01354	B*44:24	WD
	HLA01427	B*44:25	WD
	HLA01489	B*44:27:01:01	C
	HLA01526	B*44:29	WD
	HLA02695	B*44:50:01	WD
	HLA00329	B*45:01:01:01	C
	HLA00331	B*46:01:01:01	C
	HLA01139	B*46:02	WD
	HLA14088	B*47:01:01:03	C
	HLA00333	B*47:02	WD
	HLA00334	B*47:03	WD
	HLA00335	B*48:01:01:01	C
	HLA00336	B*48:02:01	WD
	HLA00337	B*48:03:01:01	C
	HLA00338	B*48:04:01:01	WD
	HLA00339	B*48:05	WD
	HLA00986	B*48:06	WD
	HLA01069	B*48:07	WD
	HLA02112	B*48:12	WD
	HLA02200	B*48:13	WD
	HLA00340	B*49:01:01:01	C
	HLA00341	B*50:01:01:01	C
	HLA00342	B*50:02:01:01	C
	HLA01070	B*50:04	WD
	HLA00344	B*51:01:01:01	C
	HLA00345	B*51:01:02:01	WD
	HLA00346	B*51:02:01:01	C
	HLA00347	B*51:02:02	WD
	HLA00348	B*51:03	WD
	HLA00349	B*51:04:01	WD
	HLA00350	B*51:05	C
	HLA00351	B*51:06:01	C
	HLA00352	B*51:07:01	C
	HLA00353	B*51:08:01:01	C
	HLA00354	B*51:09:01	C
	HLA00355	B*51:10	WD
	HLA00356	B*51:11N	WD
	HLA00358	B*51:13:01	WD
	HLA01127	B*51:13:02	WD
	HLA00359	B*51:14	WD
	HLA01071	B*51:17	WD
	HLA01073	B*51:19	WD
	HLA01134	B*51:21	WD
	HLA01243	B*51:22	WD
	HLA01245	B*51:23	WD
	HLA01568	B*51:29	WD
	HLA01678	B*51:34	WD
	HLA02419	B*51:40	WD
	HLA02620	B*51:43	WD

HLA-A	HLA-B	HLA-C	
	HLA02933	B*51:49	WD
	HLA03099	B*51:50	WD
	HLA03282	B*51:55	WD
	HLA00362	B*52:01:01:01	C
	HLA00363	B*52:01:02:01	C
	HLA01141	B*52:02:01	WD
	HLA01295	B*52:03	WD
	HLA01580	B*52:04	WD
	HLA05223	B*52:21:01	WD
	HLA00364	B*53:01:01:01	C
	HLA00365	B*53:02	WD
	HLA00987	B*53:04	WD
	HLA01178	B*53:05:01	WD
	HLA01261	B*53:06	WD
	HLA00367	B*54:01:01:01	C
	HLA00368	B*55:01:01:01	C
	HLA02324	B*55:01:03	WD
	HLA00369	B*55:02:01:01	C
	HLA00371	B*55:04	WD
	HLA00374	B*55:07	WD
	HLA01553	B*55:12	WD
	HLA02671	B*55:23	WD
	HLA00376	B*56:01:01:01	C
	HLA00377	B*56:02:01:01	WD
	HLA00378	B*56:03	WD
	HLA00379	B*56:04:01:01	WD
	HLA01658	B*56:10	WD
	HLA02043	B*56:15	WD
	HLA02261	B*56:16	WD
	HLA00381	B*57:01:01:01	C
	HLA00382	B*57:02:01	C
	HLA00383	B*57:03:01:01	C
	HLA00384	B*57:04:01	WD
	HLA00385	B*57:05	WD
	HLA01312	B*58:06	WD
	HLA00389	B*59:01:01:01	C
	HLA00390	B*67:01:01	C
	HLA01374	B*67:02:01:01	WD
	HLA00392	B*73:01:01:01	C
	HLA00393	B*78:01:01:01	C
	HLA00395	B*78:02:02	WD
	HLA00990	B*78:04	WD
	HLA00398	B*81:01:01:01	C
	HLA01809	B*81:02	WD
	HLA00399	B*82:01:01:01	C
	HLA01188	B*82:02:01:01	WD

## HISTO TYPE Rainbow list of Common and Well Defined alleles (CWD) Version 2.1.0 Class II

The list of alleles is based on CWD 2.0.0 but some alleles listed in the original publication were shown to be sequence errors and some DPA1 common alleles were not included in the CWD list due to the historical infrequency of DPA1 genotyping.

HLA-DRB1/3/4/5			HLA-DPA1, DPB1			HLA-DQA1, DQB1		
HLA allele ID	Allele	C/WD	HLA allele ID	Allele	C/WD	HLA allele ID	Allele	C/WD
HLA00664	DRB1*01:01:01:01	C	HLA00499	DPA1*01:03:01:01	C	HLA00601	DQA1*01:01:01:01	C
HLA01598	DRB1*01:01:02	C	HLA06604	DPA1*01:03:01:02	C	HLA01409	DQA1*01:01:02	C
HLA00665	DRB1*01:02:01:01	C	HLA06605	DPA1*01:03:01:03	C	HLA00602	DQA1*01:02:01:01	C
HLA00667	DRB1*01:03:01	C	HLA06607	DPA1*01:03:01:04	C	HLA00603	DQA1*01:02:02:01	WD
HLA00668	DRB1*01:04	WD	HLA06606	DPA1*01:03:01:05	C	HLA00604	DQA1*01:03:01:01	C
HLA01307	DRB1*01:07	WD	HLA14098	DPA1*01:03:05	WD	HLA00605	DQA1*01:04:01:01	C
HLA01811	DRB1*01:11:01	WD	HLA00501	DPA1*01:04	C	HLA00606	DQA1*01:05:01:01	C
HLA00671	DRB1*03:01:01:01	C	HLA00504	DPA1*02:01:01:01	C	HLA00607	DQA1*02:01:01:01	C
HLA00672	DRB1*03:01:02	WD	HLA14197	DPA1*02:01:01:02	C	HLA00608	DQA1*03:01:01:01	C
HLA00673	DRB1*03:02:01	C	HLA00505	DPA1*02:01:02:01	C	HLA00610	DQA1*03:02:01:01	C
HLA00674	DRB1*03:02:02	WD	HLA00509	DPA1*02:02:02:01	C	HLA00611	DQA1*03:03:01:01	C
HLA00675	DRB1*03:03	WD	HLA15619	DPA1*02:07:01:01	WD	HLA00612	DQA1*04:01:01:01	C
HLA00676	DRB1*03:04:01	WD	HLA17380	DPA1*02:08	WD	HLA00613	DQA1*05:01:01:01	C
HLA00677	DRB1*03:05:01	WD	HLA00511	DPA1*03:01:01:01	C	HLA00616	DQA1*05:02	WD
HLA00678	DRB1*03:06	WD	HLA00513	DPA1*04:01:01:01	C	HLA00617	DQA1*05:03:01:01	C
HLA00679	DRB1*03:07:01	WD	HLA00514	DPB1*01:01:01:01	C	HLA00619	DQA1*05:05:01:01	C
HLA01087	DRB1*03:15:01	WD	HLA00515	DPB1*01:01:02:01	C	HLA02341	DQA1*05:08	C
HLA01152	DRB1*03:16	WD	HLA00517	DPB1*02:01:02:01	C	HLA02433	DQA1*05:09	WD
HLA01557	DRB1*03:22	WD	HLA01473	DPB1*02:01:04	WD	HLA00620	DQA1*06:01:01:01	WD
HLA01614	DRB1*03:23	WD	HLA00519	DPB1*02:02:01:01	C	HLA00622	DQB1*02:01:01:01	C
HLA00685	DRB1*04:01:01:01	C	HLA00520	DPB1*03:01:01:01	C	HLA00623	DQB1*02:02:01:01	C
HLA00687	DRB1*04:02:01	C	HLA00521	DPB1*04:01:01:01	C	HLA00624	DQB1*02:03:01	C
HLA00688	DRB1*04:03:01:01	C	HLA00522	DPB1*04:02:01:01	C	HLA00625	DQB1*03:01:01:01	C
HLA01009	DRB1*04:03:02	WD	HLA00523	DPB1*05:01:01:01	C	HLA02688	DQB1*03:01:03	WD
HLA00689	DRB1*04:04:01	C	HLA00524	DPB1*06:01:01:01	C	HLA03175	DQB1*03:01:04	WD



HLA-DRB1/3/4/5			HLA-DPA1, DPB1			HLA-DQA1, DQB1		
HLA00690	DRB1*04:05:01:01	C	HLA00526	DPB1*09:01:01	C	HLA00627	DQB1*03:02:01:01	C
HLA00692	DRB1*04:06:01	C	HLA00527	DPB1*10:01:01:01	C	HLA01770	DQB1*03:02:02	WD
HLA00693	DRB1*04:07:01:01	C	HLA00528	DPB1*11:01:01:01	C	HLA00629	DQB1*03:03:02:01	C
HLA00694	DRB1*04:08:01	C	HLA00530	DPB1*13:01:01:01	C	HLA00630	DQB1*03:04:01	C
HLA00695	DRB1*04:09	C	HLA00531	DPB1*14:01:01:01	C	HLA00631	DQB1*03:05:01	C
HLA00696	DRB1*04:10:01	C	HLA00532	DPB1*15:01:01:01	C	HLA00635	DQB1*03:09	C
HLA00697	DRB1*04:11:01	C	HLA00533	DPB1*16:01:01:01	C	HLA01589	DQB1*03:13	WD
HLA00698	DRB1*04:12	WD	HLA00534	DPB1*17:01:01:01	C	HLA02690	DQB1*03:19:01:01	C
HLA00699	DRB1*04:13	WD	HLA00535	DPB1*18:01:01:01	C	HLA00636	DQB1*04:01:01:01	C
HLA00700	DRB1*04:14	WD	HLA00536	DPB1*19:01:01:01	C	HLA00637	DQB1*04:02:01:01	C
HLA00701	DRB1*04:15	WD	HLA00537	DPB1*20:01:01:01	C	HLA00638	DQB1*05:01:01:01	C
HLA00702	DRB1*04:16	WD	HLA00539	DPB1*21:01	C	HLA00639	DQB1*05:02:01:01	C
HLA04408	DRB1*04:17:02	C	HLA00540	DPB1*22:01:01:01	WD	HLA00640	DQB1*05:03:01:01	C
HLA00704	DRB1*04:18	WD	HLA00541	DPB1*23:01:01:01	C	HLA00642	DQB1*05:04	C
HLA00705	DRB1*04:19	WD	HLA00545	DPB1*26:01:02	C	HLA00643	DQB1*06:01:01:01	C
HLA00708	DRB1*04:22	WD	HLA00546	DPB1*27:01	C	HLA00644	DQB1*06:01:02	WD
HLA00709	DRB1*04:23	WD	HLA00547	DPB1*28:01	C	HLA00646	DQB1*06:02:01:01	C
HLA00711	DRB1*04:25	WD	HLA00548	DPB1*29:01	C	HLA00647	DQB1*06:03:01:01	C
HLA00712	DRB1*04:26	WD	HLA00549	DPB1*30:01:01:01	C	HLA00648	DQB1*06:04:01:01	C
HLA01088	DRB1*04:33	WD	HLA00550	DPB1*31:01:01:01	C	HLA00649	DQB1*06:05:01	WD
HLA01235	DRB1*04:35	WD	HLA00552	DPB1*33:01:01:01	WD	HLA00653	DQB1*06:08:01	C
HLA01345	DRB1*04:38	C	HLA00553	DPB1*34:01:01:01	C	HLA00654	DQB1*06:09:01:01	C
HLA01454	DRB1*04:40	WD	HLA00554	DPB1*35:01:01	C	HLA00655	DQB1*06:10	WD
HLA01459	DRB1*04:41	WD	HLA00555	DPB1*36:01	WD	HLA00656	DQB1*06:11:01	WD
HLA01817	DRB1*04:50	WD	HLA00557	DPB1*38:01	WD			
HLA02039	DRB1*04:51	WD	HLA00558	DPB1*39:01:01:01	C			
HLA02305	DRB1*04:54	WD	HLA00559	DPB1*40:01:01:01	WD			
HLA00719	DRB1*07:01:01:01	C	HLA00564	DPB1*45:01	C			
HLA00721	DRB1*07:03	WD	HLA00565	DPB1*46:01:01	C			
HLA01415	DRB1*07:05	WD	HLA00566	DPB1*47:01:01:01	WD			
HLA01620	DRB1*07:07	WD	HLA00568	DPB1*49:01:01:01	WD			
HLA02495	DRB1*07:11	WD	HLA00570	DPB1*51:01:01:01	C			
HLA02912	DRB1*07:13	WD	HLA00574	DPB1*55:01:01:01	C			
HLA00723	DRB1*08:01:01	C	HLA00576	DPB1*57:01	WD			
HLA00724	DRB1*08:02:01:01	C	HLA00578	DPB1*59:01	C			

HLA-DRB1/3/4/5			HLA-DPA1, DPB1			HLA-DQA1, DQB1		
HLA01416	DRB1*08:02:03	WD	HLA00582	DPB1*63:01	C			
HLA00727	DRB1*08:03:02:01	C	HLA00588	DPB1*69:01:01:01	WD			
HLA00728	DRB1*08:04:01	C	HLA00591	DPB1*72:01:01:01	WD			
HLA00729	DRB1*08:04:02	WD	HLA00597	DPB1*78:01	WD			
HLA01414	DRB1*08:04:04	C	HLA00600	DPB1*81:01:01:01	C			
HLA00731	DRB1*08:05	WD	HLA01162	DPB1*85:01:01:01	C			
HLA00732	DRB1*08:06	C	HLA02046	DPB1*104:01:01:01	WD			
HLA00733	DRB1*08:07	C	HLA02047	DPB1*105:01:01:01	C			
HLA00734	DRB1*08:08	WD	HLA02048	DPB1*106:01	WD			
HLA00735	DRB1*08:09:01	WD						
HLA00736	DRB1*08:10	C						
HLA00737	DRB1*08:11	C						
HLA00738	DRB1*08:12	WD						
HLA00739	DRB1*08:13	WD						
HLA00740	DRB1*08:14	WD						
HLA00743	DRB1*08:17	WD						
HLA00744	DRB1*08:18	WD						
HLA00745	DRB1*08:19	WD						
HLA00746	DRB1*08:20	WD						
HLA01814	DRB1*08:26	WD						
HLA01860	DRB1*08:28	WD						
HLA00749	DRB1*09:01:02:01	C						
HLA02018	DRB1*09:04	WD						
HLA02682	DRB1*09:06	WD						
HLA00750	DRB1*10:01:01:01	C						
HLA00751	DRB1*11:01:01:01	C						
HLA00752	DRB1*11:01:02	C						
HLA00754	DRB1*11:02:01:01	C						
HLA00755	DRB1*11:03:01	C						
HLA00756	DRB1*11:04:01	C						
HLA00757	DRB1*11:04:02	C						
HLA00758	DRB1*11:05	WD						
HLA00759	DRB1*11:06:01	C						
HLA00760	DRB1*11:07:01	WD						
HLA00761	DRB1*11:08:01	WD						

HLA-DRB1/3/4/5		HLA-DPA1, DPB1	HLA-DQA1, DQB1
HLA00763	DRB1*11:09	C	
HLA00764	DRB1*11:10:01	C	
HLA00765	DRB1*11:11:01	C	
HLA00766	DRB1*11:12:01	C	
HLA00767	DRB1*11:13:01	WD	
HLA00768	DRB1*11:14:01	WD	
HLA00769	DRB1*11:15	C	
HLA00770	DRB1*11:16	WD	
HLA00771	DRB1*11:17	C	
HLA00772	DRB1*11:18	WD	
HLA00773	DRB1*11:19:01	C	
HLA00774	DRB1*11:20	WD	
HLA00778	DRB1*11:24:01	WD	
HLA00779	DRB1*11:25	WD	
HLA00782	DRB1*11:28:01	WD	
HLA00783	DRB1*11:29:01	WD	
HLA00786	DRB1*11:32	WD	
HLA00788	DRB1*11:34	WD	
HLA01090	DRB1*11:36	WD	
HLA01156	DRB1*11:37:01	WD	
HLA01273	DRB1*11:39	WD	
HLA01447	DRB1*11:42:01	WD	
HLA01552	DRB1*11:43	WD	
HLA01779	DRB1*11:45	WD	
HLA01812	DRB1*11:47	WD	
HLA02577	DRB1*11:56	WD	
HLA03072	DRB1*11:66:01	WD	
HLA03385	DRB1*11:69	WD	
HLA00789	DRB1*12:01:01:01	C	
HLA00790	DRB1*12:02:01:01	C	
HLA00791	DRB1*12:02:02	C	
HLA00794	DRB1*12:04	WD	
HLA00795	DRB1*12:05	WD	
HLA01929	DRB1*12:10	WD	
HLA00797	DRB1*13:01:01:01	C	

HLA-DRB1/3/4/5		HLA-DPA1, DPB1	HLA-DQA1, DQB1
HLA01689	DRB1*13:01:03	WD	
HLA00798	DRB1*13:02:01:01	C	
HLA00799	DRB1*13:03:01	C	
HLA00800	DRB1*13:03:02	WD	
HLA00801	DRB1*13:04	C	
HLA00802	DRB1*13:05:01	C	
HLA00803	DRB1*13:06	WD	
HLA00804	DRB1*13:07:01	WD	
HLA00805	DRB1*13:07:02	C	
HLA00806	DRB1*13:08	WD	
HLA00807	DRB1*13:09	WD	
HLA00808	DRB1*13:10	C	
HLA00809	DRB1*13:11:01	WD	
HLA00810	DRB1*13:12:01	C	
HLA00811	DRB1*13:13	WD	
HLA00812	DRB1*13:14:01	C	
HLA00813	DRB1*13:15	WD	
HLA00814	DRB1*13:16	WD	
HLA00815	DRB1*13:17	WD	
HLA00816	DRB1*13:18	WD	
HLA00817	DRB1*13:19	WD	
HLA00818	DRB1*13:20	C	
HLA00820	DRB1*13:22:01	WD	
HLA00823	DRB1*13:25	WD	
HLA00824	DRB1*13:26:01	WD	
HLA00825	DRB1*13:27:01	WD	
HLA00827	DRB1*13:29	WD	
HLA00829	DRB1*13:31	WD	
HLA01101	DRB1*13:36	WD	
HLA01150	DRB1*13:37	WD	
HLA01151	DRB1*13:38	WD	
HLA01166	DRB1*13:39	WD	
HLA01209	DRB1*13:40	WD	
HLA01212	DRB1*13:41	WD	
HLA01236	DRB1*13:42:01	WD	

HLA-DRB1/3/4/5		HLA-DPA1, DPB1	HLA-DQA1, DQB1
HLA01456	DRB1*13:49	WD	
HLA01724	DRB1*13:56	WD	
HLA01737	DRB1*13:59	WD	
HLA01754	DRB1*13:60	WD	
HLA02786	DRB1*13:76	WD	
HLA03058	DRB1*13:81	WD	
HLA03168	DRB1*13:82	WD	
HLA00833	DRB1*14:01:01	C	
HLA00834	DRB1*14:02:01:01	C	
HLA00835	DRB1*14:03:01	C	
HLA00836	DRB1*14:04:01:01	C	
HLA00837	DRB1*14:05:01:01	C	
HLA00838	DRB1*14:06:01	C	
HLA00839	DRB1*14:07:01	C	
HLA00840	DRB1*14:08	WD	
HLA00841	DRB1*14:09	WD	
HLA00842	DRB1*14:10	WD	
HLA00843	DRB1*14:11	WD	
HLA00844	DRB1*14:12:01	WD	
HLA00845	DRB1*14:13	WD	
HLA00846	DRB1*14:14	WD	
HLA00847	DRB1*14:15	WD	
HLA00848	DRB1*14:16	WD	
HLA00849	DRB1*14:17	C	
HLA00850	DRB1*14:18	C	
HLA00851	DRB1*14:19	WD	
HLA00852	DRB1*14:20	WD	
HLA00853	DRB1*14:21	WD	
HLA00854	DRB1*14:22	WD	
HLA00856	DRB1*14:24	C	
HLA00857	DRB1*14:25:01	WD	
HLA00860	DRB1*14:28	WD	
HLA00861	DRB1*14:29	WD	
HLA01011	DRB1*14:33	WD	
HLA01734	DRB1*14:48	WD	

	HLA-DRB1/3/4/5		HLA-DPA1, DPB1		HLA-DQA1, DQB1
HLA02371	DRB1*14:54:01:01	C			
HLA02572	DRB1*14:61	WD			
HLA03041	DRB1*14:70	WD			
HLA00865	DRB1*15:01:01:01	C			
HLA00867	DRB1*15:02:01:01	C			
HLA00868	DRB1*15:02:02	C			
HLA00870	DRB1*15:03:01:01	C			
HLA00871	DRB1*15:04	C			
HLA00873	DRB1*15:06:01	C			
HLA00874	DRB1*15:07:01	WD			
HLA01211	DRB1*15:10	WD			
HLA01340	DRB1*15:11:01	WD			
HLA01842	DRB1*15:14	WD			
HLA02326	DRB1*15:18	WD			
HLA02571	DRB1*15:20	WD			
HLA02575	DRB1*15:22	WD			
HLA03033	DRB1*15:23	WD			
HLA03035	DRB1*15:24	WD			
HLA04365	DRB1*15:38	WD			
HLA00876	DRB1*16:01:01	C			
HLA00878	DRB1*16:02:01:01	C			
HLA00881	DRB1*16:04:01	C			
HLA00882	DRB1*16:05:01	WD			
HLA00884	DRB1*16:07	C			
HLA02345	DRB1*16:10:01	WD			
HLA03043	DRB1*16:12	WD			
HLA00887	DRB3*01:01:02:01	C			
HLA00890	DRB3*01:02	WD			
HLA00891	DRB3*01:03	WD			
HLA00894	DRB3*02:01	C			
HLA00895	DRB3*02:02:01:01	C			
HLA01157	DRB3*02:10	C			
HLA01165	DRB3*02:11	WD			
HLA01570	DRB3*02:17	WD			
HLA03574	DRB3*02:24	C			

	HLA-DRB1/3/4/5		HLA-DPA1, DPB1		HLA-DQA1, DQB1
HLA00902	DRB3*03:01:01:01	C			
HLA00905	DRB4*01:01:01:01	C			
HLA00907	DRB4*01:02	C			
HLA00908	DRB4*01:03:01:01	C			
HLA00909	DRB4*01:03:01:02N	C			
HLA00910	DRB4*01:03:02	WD			
HLA01225	DRB4*01:03:03	C			
HLA00913	DRB4*02:01N	C			
HLA00914	DRB4*03:01N	WD			
HLA00915	DRB5*01:01:01:01	C			
HLA00916	DRB5*01:01:02	WD			
HLA00917	DRB5*01:02	C			
HLA00918	DRB5*01:03	C			
HLA00923	DRB5*01:08:01N	C			
HLA01012	DRB5*01:10N	WD			
HLA00926	DRB5*02:02:01	C			
HLA00927	DRB5*02:03	WD			