

Nomenclature for factors of the HLA system, update December 2016

Compiled by Steven G. E. Marsh for the WHO Nomenclature Committee for Factors of the HLA System.

The following sequences have been submitted to the Nomenclature Committee since the November 2016 nomenclature update and, following agreed policy, have been assigned official allele designations [1]. Full details of all sequences will be published in a forthcoming report.

Below are listed the newly assigned sequences (Table 1) and confirmations of previously reported sequences (Table 2). The accession number of each sequence is given and these can be used to retrieve the sequence files from the EMBL, GenBank or DDBJ data libraries. Although accession numbers have been assigned by the data-libraries and most sequences are already available, there is still the possibility that an author may not yet have allowed the sequence to be released; in such a case you will have to contact the submitting author directly. Additional information pertaining to new sequences is often included in the publications describing these alleles; a listing of recent publications that describe new HLA sequences is given in Table 3. The name DQB1*06:220 has been assigned in error and has been shown to be identical to DQB1*06:217, DQB1*06:220 has therefore been abandoned.

All new and confirmatory sequences should now be submitted directly to the WHO Nomenclature Committee for Factors of the HLA System via the IMGT/HLA Database using the sequence submission tool provided [2]. The IMGT/HLA Database may be accessed via the World Wide Web at: www.ebi.ac.uk/ipd/imgt/hla

Table 1: New Sequences

HLA Allele	Cell identification	Accession number	Submitting author
A*01:01:01:05	BY01345	KY235390	Carolyn K Hurley, Washington DC, USA
A*01:01:01:06	BY01342	KY235393	Carolyn K Hurley, Washington DC, USA
A*01:01:01:07	BY01350	KY350872	Carolyn K Hurley, Washington DC, USA
A*01:231	HG00012542	KY038527	Histogenetics, Ossining, USA
A*01:232	HG00012543	KX817359	Histogenetics, Ossining, USA
A*01:233	HG00012545	KY099554	Histogenetics, Ossining, USA
A*01:234	ERL005700	LT623888	Juergen Zingsem, Erlangen, Germany
A*02:01:01:11	BY01339	KY126406	Carolyn K Hurley, Washington DC, USA
A*02:01:01:12	BY01338	KY126407	Carolyn K Hurley, Washington DC, USA
A*02:01:01:13	BY01336	KY126409	Carolyn K Hurley, Washington DC, USA
A*02:01:01:14	BY01334	KY126411	Carolyn K Hurley, Washington DC, USA
A*02:01:01:15	BY01348	KY235388	Carolyn K Hurley, Washington DC, USA
A*02:01:01:16	BY01358	KY350864	Carolyn K Hurley, Washington DC, USA
A*02:01:01:17	BY01356	KY350866	Carolyn K Hurley, Washington DC, USA
A*02:01:01:18	BY01355	KY350867	Carolyn K Hurley, Washington DC, USA
A*02:664	BY01337	KY126408	Carolyn K Hurley, Washington DC, USA
A*02:665	BY01329	KY126415	Carolyn K Hurley, Washington DC, USA
A*02:666	HG00012535	KY099557	Histogenetics, Ossining, USA
A*02:667	HG00012554	KX944248	Histogenetics, Ossining, USA
A*02:668	HG00012556	KX845437	Histogenetics, Ossining, USA
A*02:669	HG00012557	KX790367	Histogenetics, Ossining, USA
A*03:01:57	69894	KY296108	Jianping Li, Shenyang, Liaoning, China
A*03:01:62	160481	KY072923	Antonio Balas, Madrid, Spain
A*03:274	HG00012549	KX977452	Histogenetics, Ossining, USA
A*03:275N	IME2052-16	KY288070	Mariarosa Battarra, Roma, Italy
A*11:258	HG00012527	KX944247	Histogenetics, Ossining, USA
A*11:259	HG00012529	KX817357	Histogenetics, Ossining, USA
A*11:260	HG00012753	KY345174	Histogenetics, Ossining, USA
A*23:01:01:02	BY01360ABY01365	KY350862	Carolyn K Hurley, Washington DC, USA
A*23:01:01:03	BY01333	KY126412	Carolyn K Hurley, Washington DC, USA
A*24:02:01:09	CNUHH160922_IMS	KY198385	Oh-Joong Kwon, Seoul, South Korea
A*24:02:01:10	BY01364	KY368792	Carolyn K Hurley, Washington DC, USA
A*24:313:02	HG10033903	KY129732	Histogenetics, Ossining, USA
A*24:375	HG00012536	KY099560	Histogenetics, Ossining, USA
A*24:376	HG00012537	KY069127	Histogenetics, Ossining, USA
A*24:377	HG00012538, HG00012539	KX944245, KY022484	Histogenetics, Ossining, USA
A*26:01:01:05	BY01354	KY350868	Carolyn K Hurley, Washington DC, USA
A*26:138	HG00012530	KX977450	Histogenetics, Ossining, USA
A*26:139	HG00012532	KY022483	Histogenetics, Ossining, USA
A*26:140	Xian70281	KY131799	Jun Qi, Xian, China
A*26:141	HG00012754	KY263962	Histogenetics, Ossining, USA
A*29:96	HG00012522	KY069130	Histogenetics, Ossining, USA
A*29:97	HG00012525	KX790369	Histogenetics, Ossining, USA
A*30:110	HG00012553	KY069132	Histogenetics, Ossining, USA
A*30:111	40033	KY242362	Francisco de Paula Sanchez Gordo, Malaga, Spain
A*30:112	69466	KY296107	Jianping Li, Shenyang, Liaoning, China
A*30:113	HG10033901	KY078222	Histogenetics, Ossining, USA
A*31:01:02:05	BY01335	KY126410	Carolyn K Hurley, Washington DC, USA
A*31:01:02:06	BY01332	KY126413	Carolyn K Hurley, Washington DC, USA
A*31:119	BY01330	KY126416	Carolyn K Hurley, Washington DC, USA
A*31:120	HG00012519	KY099555	Histogenetics, Ossining, USA
A*31:121	HG00012520	KY038524	Histogenetics, Ossining, USA
A*32:01:01:02	BY01331	KY126414	Carolyn K Hurley, Washington DC, USA
A*32:01:01:03	BY01346	KY235389	Carolyn K Hurley, Washington DC, USA
A*32:97	HG00012541	KY099553	Histogenetics, Ossining, USA
A*32:98	HG00012550	KY099558	Histogenetics, Ossining, USA
A*32:99	HG10033906	KY129728	Histogenetics, Ossining, USA
A*33:01:01:02	BY01352	KY350870	Carolyn K Hurley, Washington DC, USA

A*33:126	HG00012751	KY399920	Histogenetics, Ossining, USA
A*33:127	HG00012752	KY345173	Histogenetics, Ossining, USA
A*68:01:01:03	BY01343	KY235392	Carolyn K Hurley, Washington DC, USA
A*68:160	HG00012526	KY038525	Histogenetics, Ossining, USA
A*68:161	HG00012531	KY196353	Histogenetics, Ossining, USA
A*68:162	HG00012533	KY099551	Histogenetics, Ossining, USA
A*68:163	BY01351	KY350871	Carolyn K Hurley, Washington DC, USA
A*69:01:01:02	BY01361	KY368794	Carolyn K Hurley, Washington DC, USA
B*07:02:01:03	M4	KU319229	Konstantinos Barsakis, Palo Alto, USA
B*07:228:02	HG00012608	KX944243	Histogenetics, Ossining, USA
B*07:288	HG00012606	KY022490	Histogenetics, Ossining, USA
B*07:289	HG00012607	KY038531	Histogenetics, Ossining, USA
B*07:290	HG00012609	KY069143	Histogenetics, Ossining, USA
B*08:174	HG00012570	KY196363	Histogenetics, Ossining, USA
B*08:175	HG00012572	KY038530	Histogenetics, Ossining, USA
B*13:99	16E32	KX446475	Arturas Jakubauskas, Vilnius, Lithuania
B*14:02:15	HG00012605	KX790377	Histogenetics, Ossining, USA
B*15:417	BY01321	KY086487	Carolyn K Hurley, Washington DC, USA
B*15:418	HG00012579	KX977456	Histogenetics, Ossining, USA
B*15:419	HG00012580	KY022489	Histogenetics, Ossining, USA
B*15:420	HG00012591	KX790375	Histogenetics, Ossining, USA
B*15:421	HG00012592	KY069133	Histogenetics, Ossining, USA
B*15:422	HG00012593	KY196364	Histogenetics, Ossining, USA
B*15:423	HG00012594	KX817368	Histogenetics, Ossining, USA
B*15:424	HG00012595	KY099573	Histogenetics, Ossining, USA
B*18:01:01:06	JS	KU319250	Konstantinos Barsakis, Palo Alto, USA
B*18:132	HG00012568	KY069140	Histogenetics, Ossining, USA
B*18:133	HG00012569	KY099565	Histogenetics, Ossining, USA
B*18:134	AL00000023	KY129741	Histogenetics, Ossining, USA
B*27:159	HG00012564	KY022492	Histogenetics, Ossining, USA
B*27:160	HG00012565	KY196360	Histogenetics, Ossining, USA
B*27:161	HG10033911	KY129737	Histogenetics, Ossining, USA
B*35:01:46	39473	KY126432	Francisco de Paula Sanchez Gordo, Malaga, Spain
B*35:05:01:02	GRC-212	KU319261	Konstantinos Barsakis, Palo Alto, USA
B*35:333Q	HG00012583	KX944242	Histogenetics, Ossining, USA
B*35:334	HG00012584	KX845441	Histogenetics, Ossining, USA
B*35:335	HG10033914	KY129733	Histogenetics, Ossining, USA
B*37:65	HG00012567	KY069138	Histogenetics, Ossining, USA
B*38:66	AL00000021	KY129740	Histogenetics, Ossining, USA
B*39:124	HG00012610	KY099569	Histogenetics, Ossining, USA
B*39:125	HG00012611	KY099568	Histogenetics, Ossining, USA
B*39:126	AL00000022	KY129746	Histogenetics, Ossining, USA
B*40:06:16	HG00012561	KY069135	Histogenetics, Ossining, USA
B*40:348	HG00012559, HG00012560	KY038532, KY038533	Histogenetics, Ossining, USA
B*40:349	HG00012562	KX790374	Histogenetics, Ossining, USA
B*40:350	HG00012563	KX790373	Histogenetics, Ossining, USA
B*40:351	HG00012566	KX790372	Histogenetics, Ossining, USA
B*40:352	HG10033910	KY129743	Histogenetics, Ossining, USA
B*44:263	HG00012574, HG00012575	KX790376, KX817364	Histogenetics, Ossining, USA
B*44:264	HG00012576	KY099572	Histogenetics, Ossining, USA
B*44:265	HG00012577	KY196355	Histogenetics, Ossining, USA
B*44:266	HG00012604	KX944239	Histogenetics, Ossining, USA
B*47:01:03	96088831	KY123255	Daniel Fuerst, Ulm, Germany
B*49:47	HG10033908	KY129735	Histogenetics, Ossining, USA
B*50:01:01:02	BY01340	KY235395	Carolyn K Hurley, Washington DC, USA
B*51:01:01:13	A5_138174	KU319312	Konstantinos Barsakis, Palo Alto, USA
B*51:215	HG00012573	KX944244	Histogenetics, Ossining, USA
B*51:216	HG00012602	KY022485	Histogenetics, Ossining, USA
B*51:217	AL00000019, AL00000020	KY129745, KY129736	Histogenetics, Ossining, USA
B*52:65	HG00012582	KX944238	Histogenetics, Ossining, USA
B*52:66	HG00012586	KY196358	Histogenetics, Ossining, USA
B*52:67	HG00012588	KX845438	Histogenetics, Ossining, USA
B*52:68	HG10033915	KY078225	Histogenetics, Ossining, USA
B*55:84	HG10033917, AL00000018	KY129742, KY078223	Histogenetics, Ossining, USA
B*55:84	HG00012793	KY263974	Histogenetics, Ossining, USA
B*56:52	HG00012597	KY022488	Histogenetics, Ossining, USA
B*57:87	HG00012578	KX944241	Histogenetics, Ossining, USA
B*57:88	HG00012581	KX790371	Histogenetics, Ossining, USA
B*57:89	HG00012596	KY069144	Histogenetics, Ossining, USA
B*57:90	HG00012599	KY069134	Histogenetics, Ossining, USA
B*58:85	HG00012590	KY022493	Histogenetics, Ossining, USA
B*58:86	SMC160721_06222611	KY321358	Oh-Joong Kwon, Seoul, South Korea
B*58:87	HG00012790	KY364238	Histogenetics, Ossining, USA
C*01:132	HG00012613	KY069157	Histogenetics, Ossining, USA
C*01:133	HG00012615, HG00012616	KY069147, KY069148	Histogenetics, Ossining, USA
C*01:134	HG00012617	KX944256	Histogenetics, Ossining, USA
C*01:135	SEV160928_8314015	KY198384	Oh-Joong Kwon, Seoul, South Korea
C*01:136	ERL004035	LT623887	Juergen Zingsem, Erlangen, Germany
C*02:127	HG00012652	KX790387	Histogenetics, Ossining, USA
C*02:128	HG00012654	KX944255	Histogenetics, Ossining, USA
C*02:43:02	HG00012651	KX977458	Histogenetics, Ossining, USA
C*03:345	HG00012660	KY069150	Histogenetics, Ossining, USA
C*03:346	HG00012661	KX790386	Histogenetics, Ossining, USA
C*03:347	HG00012662	KX944251	Histogenetics, Ossining, USA
C*03:348	HG00012663	KY069151	Histogenetics, Ossining, USA
C*03:349	HG00012665	KX790385	Histogenetics, Ossining, USA
C*03:350	HG00012666	KX817354	Histogenetics, Ossining, USA
C*03:351	AL00000032	KY129749	Histogenetics, Ossining, USA
C*04:258	HG00012672	KX845443	Histogenetics, Ossining, USA
C*04:259	HG00012673	KY038538	Histogenetics, Ossining, USA
C*04:260	HG00012674	KY038549	Histogenetics, Ossining, USA
C*04:261	HG00012675	KY038540	Histogenetics, Ossining, USA
C*04:262	HG00012676	KX845442	Histogenetics, Ossining, USA
C*04:263	HG00012678	KY196366	Histogenetics, Ossining, USA

C*05:146	HG00012635	KY022498	Histogenetics, Ossining, USA
C*05:147	HG00012636	KX817355	Histogenetics, Ossining, USA
C*05:148	HG00012637	KY022504	Histogenetics, Ossining, USA
C*06:197	81150419	KY123256	Daniel Fuerst, Ulm, Germany
C*06:198	HG00012619	KX977459	Histogenetics, Ossining, USA
C*06:199	AL00000028	KY129753	Histogenetics, Ossining, USA
C*07:02:78	015802426	LT622843	Dominique Masson, La Tronche, France
C*07:441:02	AL00000027	KY129752	Histogenetics, Ossining, USA
C*07:569	HG00012622	KY069156	Histogenetics, Ossining, USA
C*07:570	HG00012623	KX977464	Histogenetics, Ossining, USA
C*07:571	HG00012626	KY069154	Histogenetics, Ossining, USA
C*07:572	HG00012627	KY038546	Histogenetics, Ossining, USA
C*07:573	HG00012628, HG00012629	KY196372, KY196373	Histogenetics, Ossining, USA
C*07:574	HG00012630	KY069158	Histogenetics, Ossining, USA
C*07:575	HG00012631	KX944254	Histogenetics, Ossining, USA
C*07:576	HG00012632	KY038536	Histogenetics, Ossining, USA
C*07:577	HG00012633	KX845444	Histogenetics, Ossining, USA
C*07:578	HG00012664	KY099577	Histogenetics, Ossining, USA
C*07:579	AL00000026	KY129751	Histogenetics, Ossining, USA
C*07:580	AL00000030	KY129747	Histogenetics, Ossining, USA
C*08:144	HG00012638	KX817353	Histogenetics, Ossining, USA
C*08:145	HG00012639	KX790379	Histogenetics, Ossining, USA
C*08:146	HG00012640	KX944253	Histogenetics, Ossining, USA
C*12:03:42	143092	KY038836	Antonio Balas, Madrid, Spain
C*12:203	HG00012641	KX790384	Histogenetics, Ossining, USA
C*12:204	HG00012646	KY196368	Histogenetics, Ossining, USA
C*12:205	HG00012647, HG00012648	KY196365, KY099574	Histogenetics, Ossining, USA
C*12:206	HG00012649	KX817356	Histogenetics, Ossining, USA
C*14:02:01:03	SEV160721_YHI	KY307853	Oh-Joong Kwon, Seoul, South Korea
C*14:82	HG00012667	KY038550	Histogenetics, Ossining, USA
C*14:83	HG00012668	KX817351	Histogenetics, Ossining, USA
C*14:84	HG00012669	KY022496	Histogenetics, Ossining, USA
C*14:85	HG00012671	KX845448	Histogenetics, Ossining, USA
C*15:135	HG00012655	KY022500	Histogenetics, Ossining, USA
C*15:136	HG00012656	KX817352	Histogenetics, Ossining, USA
C*15:137	HG00012658	KX845446	Histogenetics, Ossining, USA
C*16:103	HG00012642	KX879116	Histogenetics, Ossining, USA
C*16:104	HG00012643	KY099579	Histogenetics, Ossining, USA
C*16:105	HG00012645	KX790380	Histogenetics, Ossining, USA
C*17:35	HG00012650	KX944252	Histogenetics, Ossining, USA
DPA2*01:01:01:01	PGF	AL645931	Stephan Beck, London, United Kingdom
DPA2*01:01:01:02	MCF	CR759795	Stephan Beck, London, United Kingdom
DPA2*01:01:01:03	APD	CR759904	Stephan Beck, London, United Kingdom
DPA2*01:01:01:02	COX	AL662824	Stephan Beck, London, United Kingdom
DPA2*02:01	QBL	AL845446	Stephan Beck, London, United Kingdom
DPB1*622:01	81146498	KY123257	Daniel Fuerst, Ulm, Germany
DPB1*623:01	93104933	KY123259	Daniel Fuerst, Ulm, Germany
DPB1*624:01	HG00012730	KX817381	Histogenetics, Ossining, USA
DPB1*625:01	HG00012733	KY196394	Histogenetics, Ossining, USA
DPB1*626:01	HG00012734	KX845468	Histogenetics, Ossining, USA
DPB1*627:01	HG00012735	KX790405	Histogenetics, Ossining, USA
DPB1*628:01	HG00012739	KX817382	Histogenetics, Ossining, USA
DPB1*629:01	HG00012741	KY196393	Histogenetics, Ossining, USA
DPB1*630:01	HG00012377	KX879127	Histogenetics, Ossining, USA
DPB1*631:01	HG00012743	KY022517	Histogenetics, Ossining, USA
DPB1*632:01	HG00012744	KY038572	Histogenetics, Ossining, USA
DPB1*633:01	HG00012745	KY022520	Histogenetics, Ossining, USA
DPB1*634:01	HG00012746	KX977483	Histogenetics, Ossining, USA
DPB1*635:01	HG00012747	KY099589	Histogenetics, Ossining, USA
DPB1*636:01	HG00012748	KX845467	Histogenetics, Ossining, USA
DQB1*02:86	HG00012682	KY022509	Histogenetics, Ossining, USA
DQB1*02:87	HG00012684	KX790396	Histogenetics, Ossining, USA
DQB1*02:88	HG00012685	KX790397	Histogenetics, Ossining, USA
DQB1*03:256	HG00012679	KY069159	Histogenetics, Ossining, USA
DQB1*05:139	AMC160926_51300784	KY198383	Oh-Joong Kwon, Seoul, South Korea
DQB1*05:140	HG00012690	KX977465	Histogenetics, Ossining, USA
DQB1*05:141	HG00012692	KY022507	Histogenetics, Ossining, USA
DQB1*05:142	HG00012694	KX845450	Histogenetics, Ossining, USA
DQB1*05:143	AL00000038	KY129758	Histogenetics, Ossining, USA
DQB1*06:190:02	HG00012686	KY038551	Histogenetics, Ossining, USA
DQB1*06:229	HG00012680	KY022505	Histogenetics, Ossining, USA
DQB1*06:230	AL00000034	KY129759	Histogenetics, Ossining, USA
DRB1*01:18:02	HG00012713	KX845455	Histogenetics, Ossining, USA
DRB1*04:221	HG00012700	KY038555	Histogenetics, Ossining, USA
DRB1*04:44:02	HG00012701	KX845453	Histogenetics, Ossining, USA
DRB1*07:76	HG00012699	KX790399	Histogenetics, Ossining, USA
DRB1*08:24:02	HG00012707	KX879122	Histogenetics, Ossining, USA
DRB1*11:207	HG00012710	KX879120	Histogenetics, Ossining, USA
DRB1*11:208	AL00000044	KY129763	Histogenetics, Ossining, USA
DRB1*12:02:07	HG00012706	KY099584	Histogenetics, Ossining, USA
DRB1*12:62	HG00012704	KY022511	Histogenetics, Ossining, USA
DRB1*12:63	HG00012705	KY038557	Histogenetics, Ossining, USA
DRB1*12:64	HG00012708	KY069164	Histogenetics, Ossining, USA
DRB1*13:228	HG00012709	KX879119	Histogenetics, Ossining, USA
DRB1*13:229	HG00012711	KX944258	Histogenetics, Ossining, USA
DRB1*13:230	AL00000042	KY078227	Histogenetics, Ossining, USA
DRB1*13:231	AL00000043	KY129762	Histogenetics, Ossining, USA
DRB1*14:182	HG00012702	KX817373	Histogenetics, Ossining, USA
DRB1*14:183	HG00012712	KX845454	Histogenetics, Ossining, USA
DRB1*14:184	AL00000046, AL00000047, AL00000048	KY129766, KY129765, KY078228	Histogenetics, Ossining, USA
DRB1*15:01:33	93106307	KY123261	Daniel Fuerst, Ulm, Germany
DRB1*15:142	HG00012695	KX977467	Histogenetics, Ossining, USA
DRB1*16:01:12	HG00012696	KX790398	Histogenetics, Ossining, USA

DRB1*16:45	HG00012697	KX944257	Histogenetics, Ossining, USA
DRB1*16:46	AL00000040, AL00000041	KY129761, KY129764	Histogenetics, Ossining, USA
DRB3*02:59	HG00012714	KX977468	Histogenetics, Ossining, USA
DRB3*02:60	HG00012719, HG00012720	KX977469, KX977470	Histogenetics, Ossining, USA
DRB3*02:61Q	0201302401	KY099331	Silvia Ulrich, Graz, Austria
DRB4*01:45	HG00012721, HG00012722	KX944261, KY196389	Histogenetics, Ossining, USA
DRB4*01:46	HG00012724	KX944262	Histogenetics, Ossining, USA
DRB4*01:47	HG00012725	KY099588	Histogenetics, Ossining, USA
DRB4*01:48	HG00012727	KX817378	Histogenetics, Ossining, USA
DRB5*01:27N	96085542	KY123264	Daniel Fuerst, Ulm, Germany
DRB5*01:28	HG00012728	KY069177	Histogenetics, Ossining, USA
DRB5*01:29	HG00012729	KY196391	Histogenetics, Ossining, USA
T*01:01:01:01	COX	AL645935	Stephan Beck, London, United Kingdom
T*01:01:01:01	APD	CT009496	Stephan Beck, London, United Kingdom
T*01:01:01:01	RPCI5	BA000025	Hidetoshi Inoko, Isehara, Kanagawa, Japan
T*01:01:01:02	BOLETH	AF055066	Francis Galibert, Rennes, France
T*01:01:01:02	DBB	CR388220	Stephan Beck, London, United Kingdom
T*01:01:01:03	LCL721	M96340	Daniel E Geraghty, Seattle, USA
T*01:01:01:04	QBL	AL845454	Stephan Beck, London, United Kingdom
T*01:01:01:05	MCF	CT009517	Stephan Beck, London, United Kingdom
T*02:01:01:01	CGM1	AC004194	Daniel E Geraghty, Seattle, USA
T*02:01:01:01	MOU	BX927141	Stephan Beck, London, United Kingdom
T*02:01:01:02	SSTO	BX284699	Stephan Beck, London, United Kingdom
T*03:01	PGF	AL645929	Stephan Beck, London, United Kingdom
W*01:01:01:01	RPCI5	AB023056	Hidetoshi Inoko, Isehara, Kanagawa, Japan
W*01:01:01:01	RPCI5	BA000025	Hidetoshi Inoko, Isehara, Kanagawa, Japan
W*01:01:01:02	COX	AL645935	Stephan Beck, London, United Kingdom
W*01:01:01:03	LCL721	M96334	Daniel E Geraghty, Seattle, USA
W*01:01:01:04	QBL	AL845454	Stephan Beck, London, United Kingdom
W*01:01:01:05	PGF	AL671277	Stephan Beck, London, United Kingdom
W*01:01:01:06	APD	CR759913	Stephan Beck, London, United Kingdom
W*02:01	CGM1	AC004200	Daniel E Geraghty, Seattle, USA
W*02:01	MOU	CR382333	Stephan Beck, London, United Kingdom
W*03:01:01:01	BOLETH	AF055066	Francis Galibert, Rennes, France
W*03:01:01:02	MLF	CR759762	Stephan Beck, London, United Kingdom
W*04:01	SSTO	BX005091	Stephan Beck, London, United Kingdom
W*05:01	DBB	CR388220	Stephan Beck, London, United Kingdom

Table 2: Confirmatory Sequences

HLA Allele	Cell identification	Accession number	Submitting author
A*02:01:01:08	BY01349, BY01383	KY350873, KY368780	Carolyn K Hurley, Washington DC, USA
A*02:01:14Q	BY01376	KY368788	Carolyn K Hurley, Washington DC, USA
A*02:02:01:02	BY01386	KY368778	Carolyn K Hurley, Washington DC, USA
A*02:105	BY01374	KY368785	Carolyn K Hurley, Washington DC, USA
A*02:15N	JRC-D02585	LC199953	Masahiro Satake, Tokyo, Japan
A*02:20:01	BY01382, BY01378	KY368781, KY368786	Carolyn K Hurley, Washington DC, USA
A*02:26	BY01375	KY368789	Carolyn K Hurley, Washington DC, USA
A*02:356N	JRC-D01-092	LC199955	Masahiro Satake, Tokyo, Japan
A*02:481	BY01357	KY350865	Carolyn K Hurley, Washington DC, USA
A*02:615	71195	KY296109	Jianping Li, Shenyang, Liaoning, China
A*02:87	BY01371	KY368791	Carolyn K Hurley, Washington DC, USA
A*03:01:01:03	BY01381, BY01380	KY368782, KY368783	Carolyn K Hurley, Washington DC, USA
A*03:01:01:08	BY01341	KY235394	Carolyn K Hurley, Washington DC, USA
A*03:145:02	HG00012546	KY196351	Histogenetics, Ossining, USA
A*03:195	HG10033904	KY129727	Histogenetics, Ossining, USA
A*24:05:01	BY01377	KY368787	Carolyn K Hurley, Washington DC, USA
A*24:183N	JRC-36K0140	LC199954	Masahiro Satake, Tokyo, Japan
A*24:353	SZGSQ 27	KX833882	Su-Qing Gao, Shenzhen, China
A*29:02:01:03	BY01353	KY350869	Carolyn K Hurley, Washington DC, USA
A*29:87	HG00012523	KY069131	Histogenetics, Ossining, USA
A*30:10	BY01373	KY368790	Carolyn K Hurley, Washington DC, USA
A*30:109	HG00012534	KY069128	Histogenetics, Ossining, USA
A*31:01:02:04	BY01359	KY350863	Carolyn K Hurley, Washington DC, USA
A*31:15	BY01360A	KY350861	Carolyn K Hurley, Washington DC, USA
A*32:02	BY01384	KY368779	Carolyn K Hurley, Washington DC, USA
A*32:03	BY01389	KY368776	Carolyn K Hurley, Washington DC, USA
A*32:71	HG10033905	KY129730	Histogenetics, Ossining, USA
A*33:05	BY01379	KY368784	Carolyn K Hurley, Washington DC, USA
A*68:01:01:02	BY01362	KY368793	Carolyn K Hurley, Washington DC, USA
A*74:01:01	BY01344	KY235391	Carolyn K Hurley, Washington DC, USA
B*08:26:03	HG00012603	KX817363	Histogenetics, Ossining, USA
B*58:84	HG00012589	KY196362	Histogenetics, Ossining, USA
B*78:09	HG00012600	KY099563	Histogenetics, Ossining, USA
C*01:130	HG00012614	KY022502	Histogenetics, Ossining, USA
C*02:06:02	HG00012653	KY069152	Histogenetics, Ossining, USA
C*03:227	R43238	LT605076	Edward KL Yang, Hualien, Taiwan
C*07:508	HG00012624	KY196367	Histogenetics, Ossining, USA
DPA1*02:01:01:01	GRC-212	KU239964	Konstantinos Barsakis, Palo Alto, USA
DPA2*01:01:01:01	DBB	CR762479	Stephan Beck, London, United Kingdom
DPA2*01:01:01:01	SSTO	BX120009	Stephan Beck, London, United Kingdom
DPA2*02:01	MANN	CR847849	Stephan Beck, London, United Kingdom
DQB1*04:02:11	81150762	KY123260	Daniel Fuerst, Ulm, Germany
DQB1*06:190:01	HG00012687	KX790394	Histogenetics, Ossining, USA
DRB3*03:01:03	25368197	LT617816	Thibaut Gervais, Brussels, Belgium

Table 3: Recently Published Sequences

HLA Allele	References
A*01:01:01:04	[3]
A*02:01:01:10	[3]

A*03:01:01:09	[3]
A*03:01:01:10	[3]
A*03:01:02	[3]
A*24:02:61	[4]
A*30:99	[5]
B*08:01:01:03	[3]
B*13:95	[6]
B*15:01:01:05	[3]
B*15:01:01:06	[3]
B*18:124	[7]
B*35:03:01:02	[3]
B*40:01:48	[3]
B*44:02:01:04	[3]
B*44:02:01:05	[3]
B*50:48	[8]
B*51:209	[9]
C*02:02:02:04	[3]
C*03:04:01:04	[3]
C*03:04:53	[3]
C*03:341	[3]
C*04:01:01:05	[3]
C*04:01:79	[3]
C*04:247	[10]
C*05:01:01:04	[3]
C*05:01:01:05	[3]
C*07:01:01:06	[3]
C*07:01:01:07	[3]
DRB1*08:69	[11]
DRB1*12:60N	[12]
DQA1*01:14	[3]
DQB1*03:01:34	[13]
DQB1*06:79:01	[3]
DPB1*581:01	[14]

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