

Nomenclature for factors of the HLA system, update November 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 October 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. DPB1*35:01:02 has been renamed DPB1*621:01 as the sequence shown to be different from the extended DPB1*35:01:01 allele by a coding change.

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*01:01:81	015899756	LT622846	Dominique Masson, La Tronche, France
A*01:230	M-322106	LT630693	Kristin Kipper, Martinsried, Germany
A*02:663	015938735	LT622850	Dominique Masson, La Tronche, France
A*03:273	015803279	LT622842	Dominique Masson, La Tronche, France
A*23:81	M-382914	LT630694	Kristin Kipper, Martinsried, Germany
A*24:374	74226	LT617820	Jane Rowlands, Pontyclun, United Kingdom
A*30:109	DML-11	LT632318	Edward KL Yang, Hualien, Taiwan
A*32:01:27	21868-1	LT616963	Maria Loginova, Kirov, Russia
A*32:96	M-559141	LT630695	Kristin Kipper, Martinsried, Germany
A*33:03:32	DaBC_02	KX669033	Yu Weijian, DaLian, China
A*68:130:02	DKMS-LSL-A-883	LN999571	DKMS Life Sciences Lab, Dresden, Germany
B*08:172	2016tp2524	LT629266	Mats Bengtsson, Uppsala, Sweden
B*08:173	71607232	KY059997	Stephane Buhler, Geneva, Switzerland
B*15:416	015956741	LT622848	Dominique Masson, La Tronche, France
B*18:01:01:05	IDF	KU319253	Konstantinos Barsakis, Palo Alto, USA
B*18:131	BY01322	KY086488	Carolyn K Hurley, Washington DC, USA
B*18:72:03	7095125	KY059998	Stephane Buhler, Geneva, Switzerland
B*35:01:01:04	LC256_88258	KU319256	Konstantinos Barsakis, Palo Alto, USA
B*35:01:01:05	FH21	KU319255	Konstantinos Barsakis, Palo Alto, USA
B*35:01:01:06	BM9	KU319257	Konstantinos Barsakis, Palo Alto, USA
B*35:02:01:02	C7_167941	KU319258	Konstantinos Barsakis, Palo Alto, USA
B*35:03:01:03	B11_161493	KU319260	Konstantinos Barsakis, Palo Alto, USA
B*35:131:02	015937321	LT6228451	Dominique Masson, La Tronche, France
B*35:332	BY01325	KY086490	Carolyn K Hurley, Washington DC, USA
B*39:01:01:05	A10_144807	KU319269	Konstantinos Barsakis, Palo Alto, USA
B*39:01:24	BY01327	KY086492	Carolyn K Hurley, Washington DC, USA
B*39:02:02:02	LC167_88130	KU319272	Konstantinos Barsakis, Palo Alto, USA
B*39:02:02:03	LC216	KU319273	Konstantinos Barsakis, Palo Alto, USA
B*39:06:02:02	D4_54713	KU319276	Konstantinos Barsakis, Palo Alto, USA
B*39:06:02:03	B9_158708	KU319275	Konstantinos Barsakis, Palo Alto, USA
B*40:01:02:04	C1_162760	KU319284	Konstantinos Barsakis, Palo Alto, USA
B*40:02:01:02	HAY.BD	KU319286	Konstantinos Barsakis, Palo Alto, USA
B*40:02:01:03	LC256_88258	KU319287	Konstantinos Barsakis, Palo Alto, USA
B*40:05:01:02	C4_164647	KU319289	Konstantinos Barsakis, Palo Alto, USA
B*41:50	015899748	LT622847	Dominique Masson, La Tronche, France
B*44:02:45	13632-LED	KY039061	Elena Kuzmich, Saint Petersburg, Russia
B*44:03:40	SMC160812_37080	KY007490	Oh-Joong Kwon, Seoul, South Korea
B*50:50	015809641	LT622844	Dominique Masson, La Tronche, France
B*51:01:01:04	C1_162760	KU319302	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:05	A10_144807	KU319303	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:06	S.M.	KU319304	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:07	LATIF	KU319306	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:08	C2_163183	KU319309	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:09	TUBO	KU319310	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:10	C4_164647	KU319311	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:11	C9_168945	KU319313	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:12	IND-1	KU319308	Konstantinos Barsakis, Palo Alto, USA
B*51:01:55	16tp2288	LT629266	Mats Bengtsson, Uppsala, Sweden
B*51:02:01:02	C8_168378	KU319316	Konstantinos Barsakis, Palo Alto, USA
B*52:01:02:02	M3_60747	KU319326	Konstantinos Barsakis, Palo Alto, USA
B*52:01:02:03	D8_78778	KU319327	Konstantinos Barsakis, Palo Alto, USA
B*53:05:02	71502811	KY059999	Stephane Buhler, Geneva, Switzerland
B*55:81	KUMC_ANAM160908_LTH	KY019622	Oh-Joong Kwon, Seoul, South Korea
B*55:82	015928276	LT622845	Dominique Masson, La Tronche, France
B*55:83N	443	LT604078	Xiao Yang Zhou, Beijing, China
B*58:01:01:03	C6_167134	KU319334	Konstantinos Barsakis, Palo Alto, USA
B*58:01:22	015932079	LT622852	Dominique Masson, La Tronche, France
B*78:01:01:02	M7_87165	KU319337	Konstantinos Barsakis, Palo Alto, USA

C*01:131	JRC-D78-080	LC187272	Masahiro Satake, Tokyo, Japan
C*07:568	M-378389	LT630698	Kristin Kipper, Martinsried, Germany
C*12:202	M-339358	LT630697	Kristin Kipper, Martinsried, Germany
DPB1*104:01:01:02	DKMS-LSL-DPB1-1405, DKMS-LSL-DPB1-1404	LT599468, LT599467	DKMS Life Sciences Lab, Dresden, Germany
DPB1*615:01	GLA51313	LT622053	Ann-Margaret Little, Glasgow, United Kingdom
DPB1*616:01	M-430139	LT630702	Kristin Kipper, Martinsried, Germany
DPB1*617:01	M-400743	LT630703	Kristin Kipper, Martinsried, Germany
DPB1*618:01	M-652229	LT630704	Kristin Kipper, Martinsried, Germany
DPB1*619:01	M-416024	LT630705	Kristin Kipper, Martinsried, Germany
DPB1*620:01	M-221897	LT630706	Kristin Kipper, Martinsried, Germany
DQA1*01:15N	IME 956-16	KY003228	Mariarosa Battarra, Roma, Italy
DQB1*02:85	4512-LED	KY014073	Elena Kuzmich, Saint Petersburg, Russia
DQB1*03:255	M-441790	LT630700	Kristin Kipper, Martinsried, Germany
DQB1*04:39	AMC161005_36192922	KY019621	Oh-Joong Kwon, Seoul, South Korea
DQB1*05:138	M-370179	LT630701	Kristin Kipper, Martinsried, Germany
DQB1*06:09:01:02	DKMS-LSL-DQB1-1028	LN999717	DKMS Life Sciences Lab, Dresden, Germany
DRB1*01:01:30	6701-LED	KY026176	Elena Kuzmich, Saint Petersburg, Russia
DRB1*04:219	SMC160721_2616	KY007489	Oh-Joong Kwon, Seoul, South Korea
DRB1*04:220	M-332035	LT630699	Kristin Kipper, Martinsried, Germany
DRB1*14:54:06	295	LT604079	Xiao Yang Zhou, Beijing, China
DRB1*15:141	015925501	LT6228453	Dominique Masson, La Tronche, France
E*01:01:01:08	19225	LT618795	Marcel GJ Tilanus, Maastricht, The Netherlands
E*01:03:01:04	43454	LT618796	Marcel GJ Tilanus, Maastricht, The Netherlands

Table 2: Confirmatory Sequences

HLA Allele	Cell identification	Accession number	Submitting author
A*01:190	HG00012363, HG00012364	KX817360, KX817361	Histogenetics, Ossining, USA
A*02:01:120	HG00012370	KX578047	Histogenetics, Ossining, USA
A*02:02:01:01	DKMS-LSL-A-720	LN994621	DKMS Life Sciences Lab, Dresden, Germany
A*02:30:02	HG00012371	KX646283	Histogenetics, Ossining, USA
A*02:581	HG00012369	KX266765	Histogenetics, Ossining, USA
A*02:587	HG00012368	KX578049	Histogenetics, Ossining, USA
A*02:612	HG00012367	KX425948	Histogenetics, Ossining, USA
A*02:658	RMC26390	LT631297	Maria Loginova, Kirov, Russia
A*03:01:01:01	212-15	KX962567	Reem Ameen, Jabriya, Kuwait
A*24:345	HG00012365	KX646281	Histogenetics, Ossining, USA
A*29:81	HG00012360	KX266763	Histogenetics, Ossining, USA
A*29:82	HG00012361	KX944249	Histogenetics, Ossining, USA
A*30:103	HG00012366	KX646294	Histogenetics, Ossining, USA
A*31:01:02:01	107-16	KX774422	Reem Ameen, Jabriya, Kuwait
A*31:102	HG00012359	KX289888	Histogenetics, Ossining, USA
A*32:95	TSE	KX963352	Aida Turganbekova, Astana, Kazakhstan
A*33:03:01	261-15	KX886826	Reem Ameen, Jabriya, Kuwait
A*66:25	HG00012362	KX173343	Histogenetics, Ossining, USA
A*69:01:01:01	79-16	KX944707	Reem Ameen, Jabriya, Kuwait
B*07:05:01:03	A3_132902	KU319231	Konstantinos Barsakis, Palo Alto, USA
B*07:276:01	HG00012383	KX173354	Histogenetics, Ossining, USA
B*08:156	HG00012373	KX646298	Histogenetics, Ossining, USA
B*15:04:04	BY01326	KY086491	Carolyn K Hurley, Washington DC, USA
B*15:21	C3_163334	KU319246	Konstantinos Barsakis, Palo Alto, USA
B*15:369	HG00012380	KX646303	Histogenetics, Ossining, USA
B*18:01:01:02	A12_149094	KU319252	Konstantinos Barsakis, Palo Alto, USA
B*18:114	HG00012372	KX977457	Histogenetics, Ossining, USA
B*27:05:02	MYE 2006	KU319254	Konstantinos Barsakis, Palo Alto, USA
B*35:03:01:01	THA	KU319259	Konstantinos Barsakis, Palo Alto, USA
B*35:12:01	B1_149197	KU319262	Konstantinos Barsakis, Palo Alto, USA
B*35:14:01	LC125_88101	KU319263	Konstantinos Barsakis, Palo Alto, USA
B*35:301	HG00012374	KX578054	Histogenetics, Ossining, USA
B*35:326	HG00012377	KX879115	Histogenetics, Ossining, USA
B*37:01:01	7550801036	HM596503	Yunping Xu, Shenzhen, China
B*37:01:01	#15310-LN	KU319264	Konstantinos Barsakis, Palo Alto, USA
B*38:01:01	IDF	KU319265	Konstantinos Barsakis, Palo Alto, USA
B*38:02:01	FH44	KU319266	Konstantinos Barsakis, Palo Alto, USA
B*38:02:02	A6_138389	KU319267	Konstantinos Barsakis, Palo Alto, USA
B*38:64	HG00012384	KX711922	Histogenetics, Ossining, USA
B*39:01:01:03	S.M.	KU319268	Konstantinos Barsakis, Palo Alto, USA
B*39:01:03	280599	KU319270	Konstantinos Barsakis, Palo Alto, USA
B*39:02:02:01	B8_158666	KU319271	Konstantinos Barsakis, Palo Alto, USA
B*39:05:01	LC125_88101	KU319274	Konstantinos Barsakis, Palo Alto, USA
B*39:08	D1_162449	KU319277	Konstantinos Barsakis, Palo Alto, USA
B*39:09:01	A7_142461	KU319278	Konstantinos Barsakis, Palo Alto, USA
B*39:10:01	A9_143483	KU319279	Konstantinos Barsakis, Palo Alto, USA
B*39:11	D1_162449	KU319280	Konstantinos Barsakis, Palo Alto, USA
B*39:24:01	D2_140602	KU319281	Konstantinos Barsakis, Palo Alto, USA
B*39:39:01	LC137_88111	KU319282	Konstantinos Barsakis, Palo Alto, USA
B*40:01:02:01	APD	KU319283	Konstantinos Barsakis, Palo Alto, USA
B*40:02:01:01	D8_78778	KU319285	Konstantinos Barsakis, Palo Alto, USA
B*40:04	GRC-212	KU319288	Konstantinos Barsakis, Palo Alto, USA
B*40:05:01:01	D7_75252	KU319290	Konstantinos Barsakis, Palo Alto, USA
B*40:346	M-331608	LT630696	Kristin Kipper, Martinsried, Germany
B*42:01:01	SHJO	KU319292	Konstantinos Barsakis, Palo Alto, USA
B*44:02:01:01	SSTO	KU319293	Konstantinos Barsakis, Palo Alto, USA
B*44:02:01:03	BEL7MON	KU319294	Konstantinos Barsakis, Palo Alto, USA
B*44:03:01:01	MOU	KU319295	Konstantinos Barsakis, Palo Alto, USA
B*44:221	HG00012382	KX499422	Histogenetics, Ossining, USA
B*44:227	HG00012376	KX765867	Histogenetics, Ossining, USA
B*44:253	HG00012375	KY022491	Histogenetics, Ossining, USA
B*44:258	HG00012381	KX765868	Histogenetics, Ossining, USA
B*45:01:01	A5_79841	KU319296	Konstantinos Barsakis, Palo Alto, USA
B*46:01:01	D6_108262	KU319297	Konstantinos Barsakis, Palo Alto, USA
B*47:01:01:03	#15310-LN	KU319298	Konstantinos Barsakis, Palo Alto, USA

B*48:01:01	HS67	KU319299	Konstantinos Barsakis, Palo Alto, USA
B*49:01:01	B12_161676	KU319300	Konstantinos Barsakis, Palo Alto, USA
B*50:01:01:01	CHA,AJ	KU319301	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:01	BEL7MON	KU319305	Konstantinos Barsakis, Palo Alto, USA
B*51:01:01:03	FORE	KU319307	Konstantinos Barsakis, Palo Alto, USA
B*51:01:02	C3_163334	KU319314	Konstantinos Barsakis, Palo Alto, USA
B*51:02:01:01	26/27	KU319315	Konstantinos Barsakis, Palo Alto, USA
B*51:03	230699	KU319317	Konstantinos Barsakis, Palo Alto, USA
B*51:05	B3_153805	KU319318	Konstantinos Barsakis, Palo Alto, USA
B*51:06:01	D6_108262	KU319319	Konstantinos Barsakis, Palo Alto, USA
B*51:08:01	A12_149094	KU319321	Konstantinos Barsakis, Palo Alto, USA
B*51:13:02	A2_117114	KU319322	Konstantinos Barsakis, Palo Alto, USA
B*51:14	D7_75252	KU319323	Konstantinos Barsakis, Palo Alto, USA
B*51:206	BY01324	KY086489	Carolyn K Hurley, Washington DC, USA
B*52:01:01:03	LK707	KU319324	Konstantinos Barsakis, Palo Alto, USA
B*52:01:02:01	D5_61120	KU319325	Konstantinos Barsakis, Palo Alto, USA
B*55:01:01	VEN	KU319328	Konstantinos Barsakis, Palo Alto, USA
B*55:75	HG00012379	KX817369	Histogenetics, Ossining, USA
B*56:02:01	IHL, AD036	KU319329	Konstantinos Barsakis, Palo Alto, USA
B*57:01:01	DBB	KU319330	Konstantinos Barsakis, Palo Alto, USA
B*57:03:01:01	M3_60747	KU319331	Konstantinos Barsakis, Palo Alto, USA
B*57:03:01:02	DL61_05C50595_B02	KU319332	Konstantinos Barsakis, Palo Alto, USA
B*57:77	HG00012378	KX944240	Histogenetics, Ossining, USA
B*58:01:01:01	D3_53975	KU319333	Konstantinos Barsakis, Palo Alto, USA
B*58:02:01	DL61_05C50595_B02	KU319335	Konstantinos Barsakis, Palo Alto, USA
B*67:01:01	HS67	KU319336	Konstantinos Barsakis, Palo Alto, USA
C*01:02:30	BY01323	KY086485	Carolyn K Hurley, Washington DC, USA
C*01:02:30	BY01328	KY086486	Carolyn K Hurley, Washington DC, USA
C*01:120	015889823	LT622849	Dominique Masson, La Tronche, France
C*01:126	HG00012387	KX578052	Histogenetics, Ossining, USA
C*02:116	HG00012397	KU360751	Histogenetics, Ossining, USA
C*03:319	HG00012407	KX060773	Histogenetics, Ossining, USA
C*04:204	HG00012404	KY038537	Histogenetics, Ossining, USA
C*04:207	HG00012401, HG00012402, HG00012403	KX817350, KX266782, KY038539	Histogenetics, Ossining, USA
C*04:218	HG00012405	KY038547	Histogenetics, Ossining, USA
C*04:249	HG00012400	KX790381	Histogenetics, Ossining, USA
C*05:142	75384	LT617821	Jane Rowlands, Pontyclun, United Kingdom
C*06:174	HG00012389	KX790383	Histogenetics, Ossining, USA
C*07:368:02	HG00012406	KX711925	Histogenetics, Ossining, USA
C*07:441:01	HG00012388	KX765872	Histogenetics, Ossining, USA
C*07:448	HG00012385, HG00012386	KX545286, KX545287	Histogenetics, Ossining, USA
C*07:450	HG00012390, HG00012391, HG00012392, HG00012393	KY038543, KY038544, KY038545, KX845449	Histogenetics, Ossining, USA
C*07:555	IME 1498-16	KX890095	Mariarosa Battarra, Roma, Italy
C*12:158	HG00012396	KY038534	Histogenetics, Ossining, USA
C*12:165	HG00012395	KX711928	Histogenetics, Ossining, USA
C*14:81	HG00012399	KX845447	Histogenetics, Ossining, USA
C*15:124	HG00012398	KX266780	Histogenetics, Ossining, USA
C*16:88	HG00012394	KY038542	Histogenetics, Ossining, USA
DPB1*01:01:01	DKMS-LSL-DPB1-1357, DKMS-LSL-DPB1-1356	LT599420, LT599419	DKMS Life Sciences Lab, Dresden, Germany
DPB1*02:01:18	HG00012501, HG00012502	KX817380, KX977484	Histogenetics, Ossining, USA
DPB1*09:01:01	DKMS-LSL-DPB1-1360, DKMS-LSL-DPB1-1361	LT599423, LT599424	DKMS Life Sciences Lab, Dresden, Germany
DPB1*105:01	DKMS-LSL-DPB1-1412, DKMS-LSL-DPB1-1413	LT599473, LT599474	DKMS Life Sciences Lab, Dresden, Germany
DPB1*10:01:01	DKMS-LSL-DPB1-1362, DKMS-LSL-DPB1-1363	LT599425, LT599426	DKMS Life Sciences Lab, Dresden, Germany
DPB1*11:01:01	DKMS-LSL-DPB1-1364, DKMS-LSL-DPB1-1365	LT599427, LT599428	DKMS Life Sciences Lab, Dresden, Germany
DPB1*14:01:01	DKMS-LSL-DPB1-1408, DKMS-LSL-DPB1-1409	LT599471, LT599472	DKMS Life Sciences Lab, Dresden, Germany
DPB1*155:01:02	HG00012508	KY022518	Histogenetics, Ossining, USA
DPB1*15:01:01	DKMS-LSL-DPB1-1366, DKMS-LSL-DPB1-1367	LT599429, LT599430	DKMS Life Sciences Lab, Dresden, Germany
DPB1*17:01	DKMS-LSL-DPB1-1368, DKMS-LSL-DPB1-1369	LT599431, LT599432	DKMS Life Sciences Lab, Dresden, Germany
DPB1*18:01	DKMS-LSL-DPB1-1371, DKMS-LSL-DPB1-1370	LT599434, LT599433	DKMS Life Sciences Lab, Dresden, Germany
DPB1*214:01	HG00012497	KX545291	Histogenetics, Ossining, USA
DPB1*26:01:02	DKMS-LSL-DPB1-1378	LT599441	DKMS Life Sciences Lab, Dresden, Germany
DPB1*27:01	DKMS-LSL-DPB1-1410, DKMS-LSL-DPB1-1411	LT623956, LT623957	DKMS Life Sciences Lab, Dresden, Germany
DPB1*29:01	DKMS-LSL-DPB1-1380, DKMS-LSL-DPB1-1381	LT599443, LT599444	DKMS Life Sciences Lab, Dresden, Germany
DPB1*35:01:01	DKMS-LSL-DPB1-1414, DKMS-LSL-DPB1-1415	LT599475, LT599476	DKMS Life Sciences Lab, Dresden, Germany
DPB1*38:01	DKMS-LSL-DPB1-1418, DKMS-LSL-DPB1-1419	LT599479, LT599480	DKMS Life Sciences Lab, Dresden, Germany
DPB1*40:01	DKMS-LSL-DPB1-1399, DKMS-LSL-DPB1-1398	LT599462, LT599461	DKMS Life Sciences Lab, Dresden, Germany
DPB1*441:01	HG00012492, HG00012493, HG00012494	KX426018, KX646349, KX790404	Histogenetics, Ossining, USA
DPB1*454:01	HG00012498, HG00012499	KX578066, KX790411	Histogenetics, Ossining, USA
DPB1*486:01	HG00012500	KX944264	Histogenetics, Ossining, USA
DPB1*490:01	HG00012509	KX977481	Histogenetics, Ossining, USA
DPB1*508:01	HG00012518	KX790410	Histogenetics, Ossining, USA
DPB1*522:01	HG00012495	KX545292	Histogenetics, Ossining, USA
DPB1*523:01	HG00012496	KX266808	Histogenetics, Ossining, USA
DPB1*535:01	DKMS-LSL-DPB1-1406, DKMS-LSL-DPB1-1407	LT599469, LT599470	DKMS Life Sciences Lab, Dresden, Germany
DPB1*573:01	HG00012491	KX173412	Histogenetics, Ossining, USA
DPB1*599:01	HG00012517	KX977480	Histogenetics, Ossining, USA
DPB1*604:01	HG00012507	KX845466	Histogenetics, Ossining, USA
DPB1*63:01	DKMS-LSL-DPB1-1417, DKMS-LSL-DPB1-1416	LT599478, LT599477	DKMS Life Sciences Lab, Dresden, Germany
DPB1*78:01	DKMS-LSL-DPB1-1403, DKMS-LSL-DPB1-1402	LT599466, LT599465	DKMS Life Sciences Lab, Dresden, Germany
DPB1*85:01	DKMS-LSL-DPB1-1393, DKMS-LSL-DPB1-1392	LT599456, LT599455	DKMS Life Sciences Lab, Dresden, Germany
DQA1*01:02:01:01	107-16	KY057361	Reem Ameen, Jabriya, Kuwait
DQA1*01:02:01:01	83-16	KY172886	Reem Ameen, Jabriya, Kuwait
DQB1*02:78	HG00012410	KX790395	Histogenetics, Ossining, USA
DQB1*03:184	HG00012422, HG00012423	KX266790, KX845452	Histogenetics, Ossining, USA
DQB1*03:212	HG00012424	KX977466	Histogenetics, Ossining, USA
DQB1*03:225	HG00012411	KU360760	Histogenetics, Ossining, USA
DQB1*03:232	HG00012409	KX289909	Histogenetics, Ossining, USA
DQB1*03:233	HG00012420, HG00012421	KX289908, KX266791	Histogenetics, Ossining, USA
DQB1*04:33	HG00012425	KX817372	Histogenetics, Ossining, USA
DQB1*05:112	HG00012408	KX765876	Histogenetics, Ossining, USA
DQB1*05:52	DKMS-LSL-DQB1-1059	LN999747	DKMS Life Sciences Lab, Dresden, Germany

DQB1*06:184	HG00012419	KX289905	Histogenetics, Ossining, USA
DQB1*06:191	HG00012412, HG00012413, HG00012414, HG00012415, HG00012416, HG00012417, HG00012418	KX266787, KX790390, KX790391, KX790392, KX790393, KY022508, KX266788	Histogenetics, Ossining, USA
DQB1*06:210	2015-322-P	KX988007	Elena Kuzmich, Saint Petersburg, Russia
DRB1*01:75	HG00012444	KX426005	Histogenetics, Ossining, USA
DRB1*01:78	HG00012445	KY022513	Histogenetics, Ossining, USA
DRB1*03:20	364179	LT632319	Edward KL Yang, Hualien, Taiwan
DRB1*04:03:13	HG00012440	KX173395	Histogenetics, Ossining, USA
DRB1*04:192	HG00012426	KX879121	Histogenetics, Ossining, USA
DRB1*04:203	HG00012439	KY022512	Histogenetics, Ossining, USA
DRB1*07:61	HG00012435	KX499431	Histogenetics, Ossining, USA
DRB1*07:67	HG00012436	KX646341	Histogenetics, Ossining, USA
DRB1*09:27	HG00012437, HG00012438	KX711949, KX545283	Histogenetics, Ossining, USA
DRB1*11:197	HG00012442	KY038558	Histogenetics, Ossining, USA
DRB1*13:217	HG00012441	KU360763	Histogenetics, Ossining, USA
DRB1*13:224	HG00012443	KX711946	Histogenetics, Ossining, USA
DRB1*15:01:31	HG00012427, HG00012428	KX879118, KY038553	Histogenetics, Ossining, USA
DRB1*16:35	HG00012429, HG00012430, HG00012431	KX499432, KX944259, KY022514	Histogenetics, Ossining, USA
DRB1*16:37	HG00012432, HG00012433, HG00012434	KX266793, KX765877, KX266794	Histogenetics, Ossining, USA
DRB3*01:01:02:01	COX	KX687284	Konstantinos Barsakis, Palo Alto, USA
DRB3*01:31	HG00012446	KY038561	Histogenetics, Ossining, USA
DRB3*01:35	HG00012447	KX817376	Histogenetics, Ossining, USA
DRB3*01:37	HG00012448	KX790402	Histogenetics, Ossining, USA
DRB3*02:22:02	HG00012451	KX977471	Histogenetics, Ossining, USA
DRB3*02:30	HG00012450	KX845457	Histogenetics, Ossining, USA
DRB3*02:32	HG00012456, HG00012457, HG00012458, HG00012459, HG00012460, HG00012461, HG00012462, HG00012463, HG00012464	KX545289, KX545290, KX790400, KX426007, KX646343, KX578062, KX426008, KX845456, KX845458	Histogenetics, Ossining, USA
DRB3*02:43	HG00012449	KX426009	Histogenetics, Ossining, USA
DRB3*02:47	HG00012452, HG00012453	KX017430, KX879125	Histogenetics, Ossining, USA
DRB3*02:48	HG00012454	KX790403	Histogenetics, Ossining, USA
DRB3*02:50	HG00012466	KY038562	Histogenetics, Ossining, USA
DRB3*02:51	HG00012467, HG00012468, HG00012469, HG00012470, HG00012471	KX944260, KX879124, KX266796, KY038559, KX817375	Histogenetics, Ossining, USA
DRB3*02:56	HG00012455	KX578063	Histogenetics, Ossining, USA
DRB3*02:57	HG00012465	KY038563	Histogenetics, Ossining, USA
DRB3*03:01:01	FKD30301E2	KX687293	Konstantinos Barsakis, Palo Alto, USA
DRB3*03:01:01	FKD30301E1	KX687292	Konstantinos Barsakis, Palo Alto, USA
DRB3*03:01:03	FKD3030103E1	KX687296	Konstantinos Barsakis, Palo Alto, USA
DRB3*03:01:05	HG00012472	KX646344	Histogenetics, Ossining, USA
DRB4*01:01:02	HG00012473	KU360770	Histogenetics, Ossining, USA
DRB4*01:13	HG00012474	KX499434	Histogenetics, Ossining, USA
DRB4*01:17	HG00012486, HG00012487	KX499433, KY038565	Histogenetics, Ossining, USA
DRB4*01:36	HG00012475, HG00012476	KU360774, KU360777	Histogenetics, Ossining, USA
DRB4*01:41	HG00012483, HG00012484, HG00012485	KX711952, KX817379, KX060785	Histogenetics, Ossining, USA
DRB4*01:44	HG00012477, HG00012478, HG00012479, HG00012480, HG00012481, HG00012482	KX977472, KX977473, KX977474, KX977475, KX977476, KX845462	Histogenetics, Ossining, USA
DRB5*02:10	HG00012488	KX944263	Histogenetics, Ossining, USA
DRB5*02:13	HG00012489, HG00012490	KX977477, KX879126	Histogenetics, Ossining, USA
MICA*067	SZGSQ 29	KX787492	Su-Qing Gao, Shenzhen, China

Table 3: Recently Published Sequences

HLA Allele	References
A*33:03:13	[3]
G*01:19	[4]

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4. Wang WY, Tian W: Identification of a new HLA-G allele, HLA-G*01:19, by cloning and phasing. *Int J Immunogenet* 2016; 43(4): 242-3.

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