



Nomenclature for factors of the HLA system, update April 2018

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

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The following sequences have been submitted to the Nomenclature Committee since the March 2018 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 sequence B*47:01:01:01 has been shown to be identical to B*47:01:01:03. The name B*47:01:01:01 has 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 IPD-IMGT/HLA Database using the sequence submission tool provided [2]. The IPD-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*01:01:85	2295-1	MH043602	Viktoria Zakharova, Moscow, Russia
A*01:04:01:02N	HG00014780, HG00014781	MG769722, MG769723	Histogenetics, Ossining, USA
A*02:05:07	HG00014756	MF521515	Histogenetics, Ossining, USA
A*02:09:01:02	HG00013615	MG584006	Histogenetics, Ossining, USA
A*02:726	M03	MH129005	Brian Dukek, Rochester, USA
A*03:294	160602341901	MH049483	Mehdi Alizadeh, Rennes, Frances
A*03:51:02	HG00014811	MG805381	Histogenetics, Ossining, USA
A*30:02:21	HG00014767	MG769708	Histogenetics, Ossining, USA
A*31:136	BST1304237	MH045543	Jose Luis Caro Oleas, Barcelona, Spain
A*32:01:30	HG00014791	MG769737	Histogenetics, Ossining, USA
A*66:01:04	HG00014794	MG769740	Histogenetics, Ossining, USA
A*68:01:37	HG00014802	MG805372	Histogenetics, Ossining, USA
A*69:01:03	HG00014807	MG805377	Histogenetics, Ossining, USA
B*07:02:54	HG00014842	MG769757	Histogenetics, Ossining, USA
B*07:02:55	341365	MG919961	Elena Longhi, Milano, Italy
B*15:02:12	HG00013513	MG450950	Histogenetics, Ossining, USA
B*15:12:02	HG00014834	MF460479	Histogenetics, Ossining, USA
B*15:18:07	HG00014861	MG805386	Histogenetics, Ossining, USA
B*15:446	HG00014850	MG769770	Histogenetics, Ossining, USA
B*18:01:26	HG00014848	MG769765	Histogenetics, Ossining, USA
B*18:146	BST1324215	MH045544	Jose Luis Caro Oleas, Barcelona, Spain
B*27:05:34	HG00014844, HG00014845	MG769760, MG769762	Histogenetics, Ossining, USA
B*35:02:09	HG00014856	MG769777	Histogenetics, Ossining, USA
B*35:371	160603099501	MH049484	Mehdi Alizadeh, Rennes, Frances
B*38:20:02	BST1324292	MG976848	Jose Luis Caro Oleas, Barcelona, Spain
B*40:01:53	HG00014872	MG805397	Histogenetics, Ossining, USA

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URLS: <http://hla.alleles.org>, <http://www.anthonynolan.org/hig>, <http://www.ebi.ac.uk/ipd/imgt/hla>.

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Table 1 (continued)

HLA Allele	Cell identification	Accession number	Submitting author
B*44:192:03	HG00013657	MG584030	Histogenetics, Ossining, USA
B*46:01:24	HG00014871	MG805396	Histogenetics, Ossining, USA
B*46:01:25	TIM36A	MH124609	Wei Tian, Changsha, China
B*57:01:28	HG00014841	MG769753	Histogenetics, Ossining, USA
B*58:01:24	HG00014870	MG805395	Histogenetics, Ossining, USA
B*81:01:02	HG00014634	MG805383	Histogenetics, Ossining, USA
C*02:02:38	HG00014503	MG756879	Histogenetics, Ossining, USA
C*02:02:39	HG00014919	MG769796	Histogenetics, Ossining, USA
C*02:02:40	HG00014942	MG769825	Histogenetics, Ossining, USA
C*03:03:41	HG00014951	MG805409	Histogenetics, Ossining, USA
C*03:03:42	2136-1	MH043604	Viktoria Zakharova, Moscow, Russia
C*03:04:59	HG00014941	MG769824	Histogenetics, Ossining, USA
C*04:01:92	HG00013897	MG724850	Histogenetics, Ossining, USA
C*04:13:01:02	NT02085	MG980570	Carolyn K Hurley, Washington DC, USA
C*04:164:02	HG00014151	MG701563	Histogenetics, Ossining, USA
C*06:02:53	HG00014924	MG769801	Histogenetics, Ossining, USA
C*07:04:13	HG00014932	MG769815	Histogenetics, Ossining, USA
C*07:628	2017-1156-C.07	MH123834	Mauro Castagnetta, Genova, Italy
C*12:02:18	HG00014501	MG756877	Histogenetics, Ossining, USA
C*12:02:19	HG00014959	MG805418	Histogenetics, Ossining, USA
C*12:03:48	HG00014956	MG805414	Histogenetics, Ossining, USA
C*12:234	2082-1	MH043605	Viktoria Zakharova, Moscow, Russia
C*14:02:22	HG00014930	MG769813	Histogenetics, Ossining, USA
C*14:02:23	HG00014958	MG805416	Histogenetics, Ossining, USA
C*16:01:24	HG00014923	MG769800	Histogenetics, Ossining, USA
G*01:04:06	TXR24	MG845572	Vanessa Hauer, Curitiba, Brazil
N*01:01:01:01	PGF	AL662795	Stephan Beck, London, United Kingdom
N*01:01:01:01	QBL	AL773535	Stephan Beck, London, United Kingdom
N*01:01:01:01	SSTO	BX294158	Stephan Beck, London, United Kingdom
N*01:01:01:01	QBL	AL773535	Stephan Beck, London, United Kingdom
N*01:01:01:01	SSTO	BX294158	Stephan Beck, London, United Kingdom
N*01:01:01:02	LCL721	M96329	Daniel E Geraghty, Seattle, USA
N*01:01:01:03	APD	CR759928	Stephan Beck, London, United Kingdom
N*01:01:01:03	DBB	CR759281	Stephan Beck, London, United Kingdom
N*01:01:01:03	DBB	CR759281	Stephan Beck, London, United Kingdom
N*01:01:01:03	APD	CR759928	Stephan Beck, London, United Kingdom
N*01:01:01:04	COX	AL662831	Stephan Beck, London, United Kingdom
N*01:01:01:05	MOU	BX927214	Stephan Beck, London, United Kingdom
N*01:01:01:05	MOU	BX927214	Stephan Beck, London, United Kingdom
S*01:01:01:01	MOU	AC004181, AC004182, CR318637	Stephan Beck, London, United Kingdom
S*01:01:01:01	MOU	AC004180, AC004182	Daniel E Geraghty, Seattle, USA
S*01:01:01:01	PAT541	DQ249182	Philip Stuart, Ann Arbor, USA
S*01:01:01:01	MOU	CR318637	Stephan Beck, London, United Kingdom
S*01:01:01:02	HO104	L25647	Roger L Dawkins, Canning Vale South, Australia
S*01:01:01:02	PGF	AL671883	Stephan Beck, London, United Kingdom
S*01:01:01:02	Q6-3975	U17340	Roger L Dawkins, Canning Vale South, Australia
S*01:01:01:02	RPCI-11	AC018433	Eric S Lander, Cambridge, USA
S*01:02:01:01	COX	AL669854	Stephan Beck, London, United Kingdom
S*01:02:01:01	CGM1	D84394, BA000025	Hidetoshi Inoko, Isehara, Kanagawa, Japan
S*01:02:01:01	PAT144	DQ249174	Philip Stuart, Ann Arbor, USA
S*01:02:01:01	PAT495	DQ249180	Philip Stuart, Ann Arbor, USA
S*01:02:01:02	LCL721	M96339	Daniel E Geraghty, Seattle, USA
S*01:02:01:03	SSTO	BX119958	Stephan Beck, London, United Kingdom
S*01:02:01:03	PAT144, PAT218, PAT495	DQ249175, DQ249176, DQ249179	Philip Stuart, Ann Arbor, USA
S*01:02:01:03	SSTO	BX119958	Stephan Beck, London, United Kingdom
S*01:03	QBL	AL845443	Stephan Beck, London, United Kingdom
S*01:03	QBL	AL845443	Stephan Beck, London, United Kingdom
S*01:04	Patient218	DQ249177	Philip Stuart, Ann Arbor, USA
U*01:01:01:01	COX	AL645935	Stephan Beck, London, United Kingdom
U*01:01:01:01	APD	CR759913	Stephan Beck, London, United Kingdom
U*01:01:01:02	MOU	CR382333	Stephan Beck, London, United Kingdom
U*01:02	SSTO	BX005091	Stephan Beck, London, United Kingdom
U*01:03	BOLETH	AF055066	Francis Galibert, Brittany, France
U*01:03	DBB	CR388220	Stephan Beck, London, United Kingdom
U*01:04	PGF	AL671277	Stephan Beck, London, United Kingdom
U*01:04	RPCI5	AB023056	Hidetoshi Inoko, Isehara, Kanagawa, Japan
DRB1*01:01:31	HG00015229	MG805456	Histogenetics, Ossining, USA
DRB1*01:87	HG00015216	MG805443	Histogenetics, Ossining, USA
DRB1*03:01:27	HG00014578	MG756885	Histogenetics, Ossining, USA
DRB1*03:01:28	HG00015209	MG805436	Histogenetics, Ossining, USA
DRB1*03:07:02	HG00014368	MG701586	Histogenetics, Ossining, USA
DRB1*03:143	HG00014370	MG701588	Histogenetics, Ossining, USA
DRB1*03:144	HG00014595, HG00015215	MG756902, MG805442	Histogenetics, Ossining, USA
DRB1*03:145	340230	MH062753	Elena Longhi, Milano, Italy
DRB1*03:25:02	HG00014573	MG756880	Histogenetics, Ossining, USA

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