



## Nomenclature for factors of the HLA system, update May 2018

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

Anthony Nolan Research Institute, Royal Free Hospital, Pond Street, London NW3 2QG, United Kingdom

The following sequences have been submitted to the Nomenclature Committee since the April 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.

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](http://www.ebi.ac.uk/ipd/imgt/hla).

**Table 1**  
New sequences.

| HLA Allele    | Cell identification    | Accession number | Submitting author                        |
|---------------|------------------------|------------------|------------------------------------------|
| A*01:01:01:14 | BY01570                | MH179253         | Carolyn K Hurley, Washington DC, USA     |
| A*01:01:01:15 | 321406                 | MH269332         | Vera Balz, Düsseldorf, Germany           |
| A*01:01:86    | DKMS-LSL-A-2089        | LT972128         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:01:87    | DKMS-LSL-A-2173        | LT971288         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:01:88    | DKMS-LSL-A-2151        | LT971266         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:01:89    | DKMS-LSL-A-2174        | LT971289         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:254      | DKMS-LSL-A-2088        | LT972127         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:255      | DKMS-LSL-A-2124        | LT972163         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:256      | DKMS-LSL-A-2190        | LT971305         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:257      | DKMS-LSL-A-2185        | LT971300         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:258N     | DKMS-LSL-A-2178        | LT971293         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:259      | DKMS-LSL-A-2156        | LT971271         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:260      | DKMS-LSL-A-2189        | LT971304         | DKMS Life Sciences Lab, Dresden, Germany |
| A*01:261      | HG00015473             | MG930527         | Histogenetics, Ossining, USA             |
| A*01:88:03    | DKMS-LSL-A-2118        | LT972157         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:01:31 | DKMS-LSL-A-2109        | LT972148         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:01:32 | CD-21501               | MH069728         | Jeremy Sherrill, Ann Arbor, USA          |
| A*02:01:01:33 | 301247                 | MH269334         | Vera Balz, Düsseldorf, Germany           |
| A*02:01:01:34 | 312147, 312148, 312150 | MH269333         | Vera Balz, Düsseldorf, Germany           |
| A*02:01:138   | DKMS-LSL-A-2107        | LT972146         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:139   | DKMS-LSL-A-2162        | LT971277         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:140   | DKMS-LSL-A-2183        | LT971298         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:141   | DKMS-LSL-A-2145        | LT971260         | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:01:142   | HG00015472             | MG930526         | Histogenetics, Ossining, USA             |
| A*02:02:01:04 | 291956                 | MH269335         | Vera Balz, Düsseldorf, Germany           |
| A*02:11:01:02 | 314003                 | MH269344         | Vera Balz, Düsseldorf, Germany           |
| A*02:727      | DKMS-LSL-A-2083        | LT972122         | DKMS Life Sciences Lab, Dresden, Germany |

(continued on next page)

E-mail address: [steven.marsh@ucl.ac.uk](mailto:steven.marsh@ucl.ac.uk).

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                        |
|---------------|----------------------------------|--------------------|------------------------------------------|
| A*02:728      | DKMS-LSL-A-2104                  | LT972143           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:729      | DKMS-LSL-A-2106                  | LT972145           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:730      | DKMS-LSL-A-2108                  | LT972147           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:731      | DKMS-LSL-A-2191                  | LT971306           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:732      | DKMS-LSL-A-2181                  | LT971296           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:733      | DKMS-LSL-A-2169                  | LT971284           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:734      | DKMS-LSL-A-2165                  | LT971280           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:735      | DKMS-LSL-A-2144                  | LT971259           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:736      | DKMS-LSL-A-2147                  | LT971262           | DKMS Life Sciences Lab, Dresden, Germany |
| A*02:737      | HG00015478                       | MG930532           | Histogenetics, Ossining, USA             |
| A*02:738      | HG00015481                       | MG930535           | Histogenetics, Ossining, USA             |
| A*02:739      | HG00015494                       | MG930548           | Histogenetics, Ossining, USA             |
| A*02:740      | HG00015495                       | MG930549           | Histogenetics, Ossining, USA             |
| A*02:741      | LIFT053                          | MH301276           | Paul Norman, Aurora, USA                 |
| A*03:01:01:16 | DKMS-LSL-A-2137                  | LT971252           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:01:01:17 | BY01571                          | MH179254           | Carolyn K Hurley, Washington DC, USA     |
| A*03:01:01:18 | 318487                           | MH269336           | Vera Balz, Düsseldorf, Germany           |
| A*03:01:68    | DKMS-LSL-A-2125                  | LT972164           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:01:69    | DKMS-LSL-A-2184                  | LT971299           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:01:70    | BY01569                          | MH179252           | Carolyn K Hurley, Washington DC, USA     |
| A*03:295      | DKMS-LSL-A-2132                  | LT972171           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:296      | DKMS-LSL-A-2115                  | LT972154           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:297N     | DKMS-LSL-A-2101                  | LT972140           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:298      | DKMS-LSL-A-2177                  | LT971292           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:299      | DKMS-LSL-A-2172                  | LT971287           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:300      | DKMS-LSL-A-2160                  | LT971275           | DKMS Life Sciences Lab, Dresden, Germany |
| A*03:301      | HG00015492                       | MG930546           | Histogenetics, Ossining, USA             |
| A*03:302      | HG00015498                       | MG930552           | Histogenetics, Ossining, USA             |
| A*03:303      | M05                              | MH129004           | Brian Dukek, Rochester, USA              |
| A*03:304      | MGM-9                            | MH244506           | Vibhuti Rambani, Bangalore, India        |
| A*03:305      | DKMS-LSL-A-2519                  | LS398214           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:01:01:08 | DKMS-LSL-A-2148                  | LT971263           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:01:82    | DKMS-LSL-A-2149, DKMS-LSL-A-2086 | LT971264, LT972125 | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:01:83    | HG00015429                       | MG769725           | Histogenetics, Ossining, USA             |
| A*11:01:84    | HG00015485                       | MG930539           | Histogenetics, Ossining, USA             |
| A*11:281      | HG00013269                       | MF170292           | Histogenetics, Ossining, USA             |
| A*11:282      | DKMS-LSL-A-2134                  | LT972173           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:283      | DKMS-LSL-A-2113                  | LT972152           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:284      | DKMS-LSL-A-2127                  | LT972166           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:285      | DKMS-LSL-A-2182                  | LT971297           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:286      | DKMS-LSL-A-2175                  | LT971290           | DKMS Life Sciences Lab, Dresden, Germany |
| A*11:287N     | DKMS-LSL-A-2146                  | LT971261           | DKMS Life Sciences Lab, Dresden, Germany |
| A*23:01:22    | DKMS-LSL-A-2138, DKMS-LSL-A-2139 | LT971253, LT971254 | DKMS Life Sciences Lab, Dresden, Germany |
| A*24:02:107   | DKMS-LSL-A-2102                  | LT972141           | DKMS Life Sciences Lab, Dresden, Germany |
| A*24:02:108   | HG00014390                       | MG756757           | Histogenetics, Ossining, USA             |
| A*24:02:109   | MGM-5                            | MG886869           | Vibhuti Rambani, Bangalore, India        |
| A*24:403      | DKMS-LSL-A-2128                  | LT972167           | DKMS Life Sciences Lab, Dresden, Germany |
| A*24:404      | DKMS-LSL-A-2167, DKMS-LSL-A-2166 | LT971282LT971281   | DKMS Life Sciences Lab, Dresden, Germany |
| A*24:405      | DKMS-LSL-A-2140                  | LT971255           | DKMS Life Sciences Lab, Dresden, Germany |
| A*25:01:01:03 | DKMS-LSL-A-2188, DKMS-LSL-A-2129 | LT971303, LT972168 | DKMS Life Sciences Lab, Dresden, Germany |
| A*25:01:01:04 | DKMS-LSL-A-2142                  | LT971257           | DKMS Life Sciences Lab, Dresden, Germany |
| A*25:01:13    | HG00013979                       | MG701454           | Histogenetics, Ossining, USA             |
| A*25:47       | DKMS-LSL-A-2119                  | LT972158           | DKMS Life Sciences Lab, Dresden, Germany |
| A*25:48       | DKMS-LSL-A-2136                  | LT971251           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:01:01:10 | DKMS-LSL-A-2103                  | LT972142           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:01:01:11 | DKMS-LSL-A-2193                  | LT971308           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:01:47    | BST1348836                       | MH077560           | Maria Jose Herrero, Barcelona, Spain     |
| A*26:150      | DKMS-LSL-A-2130                  | LT972169           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:151      | DKMS-LSL-A-2111                  | LT972150           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:152      | DKMS-LSL-A-2176                  | LT971291           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:153      | DKMS-LSL-A-2161                  | LT971276           | DKMS Life Sciences Lab, Dresden, Germany |
| A*26:154      | HG00015491                       | MG930545           | Histogenetics, Ossining, USA             |
| A*26:155      | 81179408                         | MH135283           | Daniel Fuerst, Ulm, Germany              |
| A*29:01:01:03 | 322443                           | MH269338           | Vera Balz, Düsseldorf, Germany           |
| A*29:01:10    | DKMS-LSL-A-2187                  | LT971302           | DKMS Life Sciences Lab, Dresden, Germany |
| A*29:02:23    | DKMS-LSL-A-2112                  | LT972151           | DKMS Life Sciences Lab, Dresden, Germany |
| A*29:02:24    | HG00013944                       | MG701419           | Histogenetics, Ossining, USA             |
| A*29:02:25    | 316,009                          | MH269339           | Vera Balz, Düsseldorf, Germany           |
| A*29:113      | 19840805                         | LT985893           | Li Pan, Liaocheng, China                 |
| A*30:01:01:02 | 313409                           | MH269340           | Vera Balz, Düsseldorf, Germany           |
| A*30:130N     | 315519                           | MH269343           | Vera Balz, Düsseldorf, Germany           |
| A*32:01:01:06 | 314030                           | MH350865           | Vera Balz, Düsseldorf, Germany           |
| A*33:147      | MGM-8                            | MH208854           | Vibhuti Rambani, Bangalore, India        |
| A*68:01:02:07 | 319916                           | MH269341           | Vera Balz, Düsseldorf, Germany           |
| A*68:02:01:04 | 299102                           | MH269342           | Vera Balz, Düsseldorf, Germany           |

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