

Nomenclature for factors of the HLA system, update July, August and September 2020

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 April, May and June 2020 nomenclature update [1] and, following agreed policy, have been assigned official allele designations [2]. 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. In addition, the sequences for B*27:215N, DQA1*02:06, and DPA1*02:02:02:06Q were shown to be in error and identical to B*27:05:02:01, DQA1*02:01:01:01, and DPA1*02:02:02:01, respectively. The names B*27:215N, DQA1*02:06, and DPA1*02:02:02:06Q have now been abandoned. Additionally, the alleles C*12:274:02N, MICA*008:07, and E*01:21:02N were named in error and have now been renamed C*12:329N, MICA*008:01:10, and E*01:117N, respectively.

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 [3]. 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*01:01:01:59	HG00026419	MN867842	Histogenetics, Ossining, USA
A*01:01:01:60	HG00026482	MT015544	Histogenetics, Ossining, USA
A*01:01:01:61	111342509	MT604077	Dr Francesc Rudilla, Barcelona, Spain
A*01:01:01:62	111349318	MT604091	Dr Francesc Rudilla, Barcelona, Spain
A*01:01:118	HG00026873	MT239255	Histogenetics, Ossining, USA
A*01:01:119	DKMS-LSL_ID11913480	LR798188	DKMS Life Sciences Lab., Dresden, Germany
A*01:01:120	DKMS-LSL_ID12495948	LR813244	DKMS Life Sciences Lab., Dresden, Germany
A*01:349	JSCF10110	MT670921	Jeevan Stem Cell Foundation, Chennai, India
A*01:350	E01529-37801-509-720	MN931251	Dr Laura Castellani, Bergamo, Italy
A*01:351	Z51570	MT588084	Miss Sarah Blow, London, United Kingdom
A*01:352	DKMS-LSL_ID17254558	LR701946	DKMS Life Sciences Lab., Dresden, Germany
A*01:353	KSR45207	MT920910	Dr Maria Loginova, Kirov, Russia
A*02:01:01:151	111339977	MT604071	Dr Francesc Rudilla, Barcelona, Spain
A*02:01:01:152	111360732	MT604103	Dr Francesc Rudilla, Barcelona, Spain
A*02:01:01:153	111426210	MT648412	Dr Francesc Rudilla, Barcelona, Spain
A*02:01:01:154	111386890	MT776884	Dr Francesc Rudilla, Barcelona, Spain
A*02:01:01:155	111372618	MT101851	Dr Francesc Rudilla, Barcelona, Spain
A*02:01:01:156	HG00026943	MT410254	Histogenetics, Ossining, USA
A*02:01:01:157	AN300461	LR877831	Anthony Nolan Research Institute, London, United Kingdom
A*02:01:182	HG00026428	MN867851	Histogenetics, Ossining, USA
A*02:01:183	HG00026501	MT043184	Histogenetics, Ossining, USA
A*02:01:184	HG00026912	MT302183	Histogenetics, Ossining, USA
A*02:01:185	HG00026907	MT267975	Histogenetics, Ossining, USA
A*02:01:186	Isolate_246493	MT876626	Mrs Sureka Rajendran, Chennai, India
A*02:05:01:12	111347818	MT604087	Dr Francesc Rudilla, Barcelona, Spain
A*02:06:30	DKMS-LSL_ID11094808	LR798110	DKMS Life Sciences Lab., Dresden, Germany
A*02:940	Isolate_274213	MT192881	Mrs Sureka Rajendran, Chennai, India
A*02:941	KFU2326124	MT259470	Ms Anastasiia Ananeva, Kazan, Russia
A*02:942	KSR50304	MT375041	Dr Maria Loginova, Kirov, Russia
A*02:943	PAP160373	ES100596	Dr Angeliki Xagorari, Thessaloniki, Greece
A*02:944	2010141395	MT814321	Dr Jonathan Visentin, Bordeaux, France
A*02:945N	HG00026867	MT210207	Histogenetics, Ossining, USA
A*02:946N	HG00026862	MT166698	Histogenetics, Ossining, USA
A*02:947	DKMS-LSL_ID12916868	LR798146	DKMS Life Sciences Lab., Dresden, Germany
A*02:948	226572vol	MT767363	Dr Neifi Hassan Saloum Deghaide, Ribeirao Preto, Brazil
A*02:949	Isolate_260016	MT768050	Mrs Sureka Rajendran, Chennai, India
A*03:01:01:57	HG00026447	MN907084	Histogenetics, Ossining, USA
A*03:01:01:58	111404509	MT776870	Dr Francesc Rudilla, Barcelona, Spain
A*03:01:01:59	HG00026479, HG00026480	MT015541, MT015542	Histogenetics, Ossining, USA
A*03:01:01:60	AN300466	LR877836	Anthony Nolan Research Institute, London, United Kingdom
A*03:01:94	HG00026923	MT334832	Histogenetics, Ossining, USA
A*03:02:05	DKMS-LSL_ID14237673	LR798154	DKMS Life Sciences Lab., Dresden, Germany
A*03:396	DKMS-LSL_ID12819763	LR798144	DKMS Life Sciences Lab., Dresden, Germany
A*03:397	DKMS-LSL_ID14431446	LR798157	DKMS Life Sciences Lab., Dresden, Germany
A*03:398	LC110660982	MT922567	Mrs Sureka Rajendran, Chennai, India
A*11:01:01:51	111339614	MT604069	Dr Francesc Rudilla, Barcelona, Spain
A*11:01:01:52	111340226	MT604075	Dr Francesc Rudilla, Barcelona, Spain
A*11:01:01:53	111392868	MT681934	Dr Francesc Rudilla, Barcelona, Spain
A*11:01:01:54	111390393	MT776883	Dr Francesc Rudilla, Barcelona, Spain
A*11:01:106	DKMS-LSL_ID11489397	LR798120	DKMS Life Sciences Lab., Dresden, Germany
A*11:377	2020-1775	MT591012	Dr Lucia Garbarino, Genova, Italy

<i>A*11:378</i>	DKMS-LSL_ID10925766	LR798107	DKMS Life Sciences Lab., Dresden, Germany
<i>A*11:379</i>	291758, 291759	MT774261	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>A*11:380</i>	Isolate_271762	MT795163	Mrs Sureka Rajendran, Chennai, India
<i>A*11:381</i>	DKMS-LSL_ID14042456	LR798150	DKMS Life Sciences Lab., Dresden, Germany
<i>A*11:382N</i>	RMU0095	MT896390	Mr Valery Cheranov, Moscow, Russia
<i>A*23:01:01:18</i>	111355074	MT604094	Dr Francesc Rudilla, Barcelona, Spain
<i>A*23:01:01:19</i>	111391494	MT681935	Dr Francesc Rudilla, Barcelona, Spain
<i>A*23:01:32</i>	111442474	MT875344	Dr Francesc Rudilla, Barcelona, Spain
<i>A*23:109</i>	111394949	MT681936	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:02:01:85</i>	AN300463	LR877833	Anthony Nolan Research Institute, London, United Kingdom
<i>A*24:02:140</i>	111341318	MT604084	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:17:01:02</i>	HLA025S258	MT968952	Dr Irene Mavroudi, Heraklion, Greece
<i>A*24:208:02:02</i>	DKMS-LSL_ID12377366	LR798126	DKMS Life Sciences Lab., Dresden, Germany
<i>A*24:460:01:02</i>	DKMS-LSL_ID12573232	LR798132	DKMS Life Sciences Lab., Dresden, Germany
<i>A*24:508</i>	DKMS-LSL_ID11120723	LR798111	DKMS Life Sciences Lab., Dresden, Germany
<i>A*24:509</i>	111395929	MT776840	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:510</i>	Isolate_259834	MT783683	Mrs Sureka Rajendran, Chennai, India
<i>A*24:511</i>	111436707	MT875337	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:512</i>	CSA001124	MT740807	Miss Linlin Wang, Jinan, China
<i>A*24:513Q</i>	0100952	MT875160	Miss Chun-Ying Lin, Taipei, Taiwan
<i>A*24:514N</i>	FCB6378	MN525564	Ms Eun-Jeong Choi, Seoul, South Korea
<i>A*24:515</i>	HG00026490	MT015552	Histogenetics, Ossining, USA
<i>A*25:69N</i>	DKMS-LSL_ID16850587	LR701875	DKMS Life Sciences Lab., Dresden, Germany
<i>A*25:70</i>	DKMS-LSL_ID17283870	LR701951	DKMS Life Sciences Lab., Dresden, Germany
<i>A*26:01:01:36</i>	111340186	MT604073	Dr Francesc Rudilla, Barcelona, Spain
<i>A*26:206N</i>	SKMC2574	MT663218	Dr Zain Al Yafei, Abu Dhabi, United Arab Emirates
<i>A*26:207</i>	DKMS-LSL_ID17543456	LR701994	DKMS Life Sciences Lab., Dresden, Germany
<i>A*29:02:01:21</i>	111353988	MT604095	Dr Francesc Rudilla, Barcelona, Spain
<i>A*29:146</i>	111443229	MT875345	Dr Francesc Rudilla, Barcelona, Spain
<i>A*30:176</i>	111412629	MT648406	Dr Francesc Rudilla, Barcelona, Spain
<i>A*30:177</i>	UHB0003	MN548275	Mr Marc Kleiser, Basel, Switzerland
<i>A*30:178N</i>	HG00026466	MN994982	Histogenetics, Ossining, USA
<i>A*30:179</i>	DKMS-LSL_ID12631413	LR798134	DKMS Life Sciences Lab., Dresden, Germany
<i>A*30:180</i>	DKMS-LSL_ID12796039	LR798142	DKMS Life Sciences Lab., Dresden, Germany
<i>A*30:181</i>	LIT1877-2020	MT943755	Dr Mariarosa Battarra, Roma, Italy
<i>A*31:01:02:31</i>	012019702994	MT875174	Mrs Hanan Al Anazi, Riyadh, Saudi Arabia
<i>A*31:01:02:32</i>	AN300465	LR877835	Anthony Nolan Research Institute, London, United Kingdom
<i>A*31:01:02:33</i>	AN300478	LR877846	Anthony Nolan Research Institute, London, United Kingdom
<i>A*31:184N</i>	LC110666102	MT922568	Mrs Sureka Rajendran, Chennai, India
<i>A*32:01:01:25</i>	111400131	MT776856	Dr Francesc Rudilla, Barcelona, Spain
<i>A*32:01:01:26</i>	AN300479	LR877847	Anthony Nolan Research Institute, London, United Kingdom
<i>A*32:145</i>	DKMS-LSL_ID14990881	LR798167	DKMS Life Sciences Lab., Dresden, Germany
<i>A*32:146</i>	DKMS-LSL_ID12605265	LR813245	DKMS Life Sciences Lab., Dresden, Germany
<i>A*32:46:02</i>	HG00026483	MT015545	Histogenetics, Ossining, USA
<i>A*68:01:02:23</i>	111342532	MT604078	Dr Francesc Rudilla, Barcelona, Spain
<i>A*68:249</i>	HG00026496	MT043179	Histogenetics, Ossining, USA
<i>A*68:250</i>	VGF_SC	MN843965	Ms Gisele Rampim, Sao Paulo, Brazil
<i>A*68:251N</i>	Isolate_246977	MT598170	Mrs Sureka Rajendran, Chennai, India
<i>B*07:02:01:70</i>	111403496	MT776864	Dr Francesc Rudilla, Barcelona, Spain
<i>B*07:02:01:71</i>	111385947	MT776875	Dr Francesc Rudilla, Barcelona, Spain
<i>B*07:02:01:72</i>	AN300492	LR877860	Anthony Nolan Research Institute, London, United Kingdom
<i>B*07:02:82</i>	DKMS-LSL_ID10598455	LR798094	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:02:83</i>	Isolate_250596	MT847632	Mrs Sureka Rajendran, Chennai, India
<i>B*07:02:84</i>	DKMS-LSL_ID12478653	LR813243	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:31:02</i>	DKMS-LSL_ID10798014	LR798100	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:408</i>	DKMS-LSL_ID14603551	LR798161	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:409</i>	DKMS-LSL_ID10800234	LR813235	DKMS Life Sciences Lab., Dresden, Germany
<i>B*08:01:01:39</i>	111343710	MT604079	Dr Francesc Rudilla, Barcelona, Spain
<i>B*08:01:01:40</i>	111350334	MT604090	Dr Francesc Rudilla, Barcelona, Spain
<i>B*08:01:01:41</i>	AN300498	LR877866	Anthony Nolan Research Institute, London, United Kingdom
<i>B*08:01:01:42</i>	AN300494	LR877862	Anthony Nolan Research Institute, London, United Kingdom
<i>B*08:263</i>	HG00026602	MT015530	Histogenetics, Ossining, USA
<i>B*13:02:01:15</i>	111394158	MT681944	Dr Francesc Rudilla, Barcelona, Spain
<i>B*13:02:01:16</i>	AN300485	LR877853	Anthony Nolan Research Institute, London, United Kingdom
<i>B*13:144</i>	NS-SYH	MT554709	Ms Eun-Jeong Choi, Seoul, South Korea
<i>B*13:145</i>	DKMS-LSL_ID10840969	LR798103	DKMS Life Sciences Lab., Dresden, Germany
<i>B*13:146</i>	JXSZ003133	MT740808	Miss Linlin Wang, Jinan, China
<i>B*13:147</i>	DKMS-LSL_ID14606017	LR813247	DKMS Life Sciences Lab., Dresden, Germany
<i>B*13:148</i>	Isolate_274508	MT902143	Mrs Sureka Rajendran, Chennai, India
<i>B*14:01:11</i>	111391121	MT681941	Dr Francesc Rudilla, Barcelona, Spain
<i>B*14:02:01:20</i>	111444552	MT875347	Dr Francesc Rudilla, Barcelona, Spain
<i>B*14:02:27</i>	DKMS-LSL_ID10816514	LR798101	DKMS Life Sciences Lab., Dresden, Germany
<i>B*14:91</i>	HG00026504	MN840506	Histogenetics, Ossining, USA
<i>B*14:92</i>	2020-1269	MT707655	Dr Lucia Garbarino, Genova, Italy
<i>B*14:93</i>	HG00026616	MT043174	Histogenetics, Ossining, USA
<i>B*15:01:01:39Q</i>	SMC-B-E-001	MT559303	Mrs So-Jung Choi, Seoul, South Korea
<i>B*15:01:01:40</i>	111411584	MT648403	Dr Francesc Rudilla, Barcelona, Spain
<i>B*15:01:01:41</i>	111390135	MT776880	Dr Francesc Rudilla, Barcelona, Spain
<i>B*15:01:64</i>	AN300496	LR877864	Anthony Nolan Research Institute, London, United Kingdom
<i>B*15:10:06</i>	HG00026979	MT239247	Histogenetics, Ossining, USA
<i>B*15:10:07</i>	DKMS-LSL_ID11091448	LR798109	DKMS Life Sciences Lab., Dresden, Germany
<i>B*15:13:03</i>	CB8007	MT740254	Mrs Hwei Yee Low, Kuala Lumpur, Malaysia
<i>B*15:569</i>	HG00026583	MN986965	Histogenetics, Ossining, USA
<i>B*15:570</i>	JSCF8065	MN565836	Jeevan Stem Cell Foundation, Chennai, India
<i>B*15:571</i>	282271	MT683850	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>B*15:572</i>	1023342	MT707064	Dr Antonio Balas, Madrid, Spain
<i>B*15:573</i>	DKMS-LSL_ID14313018	LR798155	DKMS Life Sciences Lab., Dresden, Germany

<i>B*15:574</i>	isolate_255922	MT768051	Mrs Sureka Rajendran, Chennai, India
<i>B*18:01:01:52</i>	012016802698	MT701570	Mrs Hanan Al Anazi, Riyadh, Saudi Arabia
<i>B*18:01:42</i>	HG00027032	MT334871	Histogenetics, Ossining, USA
<i>B*18:196</i>	DKMS-LSL_ID17586476	LR812841	DKMS Life Sciences Lab., Dresden, Germany
<i>B*18:197</i>	DKMS-LSL_ID13994052	LR813246	DKMS Life Sciences Lab., Dresden, Germany
<i>B*27:02:01:06</i>	AN300484	LR877852	Anthony Nolan Research Institute, London, United Kingdom
<i>B*27:05:49</i>	111398952	MT776845	Dr Francesc Rudilla, Barcelona, Spain
<i>B*27:233</i>	HG00027043	MT410214	Histogenetics, Ossining, USA
<i>B*27:234</i>	DKMS-LSL_ID14634620	LR798163	DKMS Life Sciences Lab., Dresden, Germany
<i>B*27:235</i>	DKMS-LSL_ID14807587	LR798164	DKMS Life Sciences Lab., Dresden, Germany
<i>B*35:01:01:51</i>	NATL02	LC570025	Prof Takashi Shiina, Isehara, Japan
<i>B*35:01:01:52</i>	111399526	MT776855	Dr Francesc Rudilla, Barcelona, Spain
<i>B*35:03:32</i>	DKMS-LSL_ID12778307	LR798141	DKMS Life Sciences Lab., Dresden, Germany
<i>B*35:05:05</i>	DKMS-LSL_ID15240459	LR798173	DKMS Life Sciences Lab., Dresden, Germany
<i>B*35:08:01:09</i>	111359240	MT604098	Dr Francesc Rudilla, Barcelona, Spain
<i>B*35:08:14</i>	290222	MT642699	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>B*35:490</i>	HG00026584	MN994993	Histogenetics, Ossining, USA
<i>B*35:491</i>	HG00026959	MT166709	Histogenetics, Ossining, USA
<i>B*35:492</i>	111341551	MT604082	Dr Francesc Rudilla, Barcelona, Spain
<i>B*35:493</i>	B1347_5369598	LR815580	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>B*35:494</i>	111371728	MT085762	Dr Francesc Rudilla, Barcelona, Spain
<i>B*35:495</i>	DKMS-LSL_ID10942292	LR813237	DKMS Life Sciences Lab., Dresden, Germany
<i>B*35:496</i>	MDRI030	MN956766	Miss Meetali Morjaria, Mumbai, India
<i>B*37:01:01:12</i>	111360936	MT604104	Dr Francesc Rudilla, Barcelona, Spain
<i>B*37:01:23</i>	DKMS-LSL_ID12572581	LR798130	DKMS Life Sciences Lab., Dresden, Germany
<i>B*37:95</i>	DKMS-LSL_ID14441272	LR798158	DKMS Life Sciences Lab., Dresden, Germany
<i>B*38:169</i>	DKMS-LSL_ID11252946	LR798117	DKMS Life Sciences Lab., Dresden, Germany
<i>B*39:01:01:15</i>	111439230	MT875342	Dr Francesc Rudilla, Barcelona, Spain
<i>B*39:05:04</i>	111391089	MT681940	Dr Francesc Rudilla, Barcelona, Spain
<i>B*39:169</i>	HG00026506	MN840508	Histogenetics, Ossining, USA
<i>B*40:01:02:35</i>	111360298	MT604102	Dr Francesc Rudilla, Barcelona, Spain
<i>B*40:01:02:36</i>	111399042	MT776849	Dr Francesc Rudilla, Barcelona, Spain
<i>B*40:01:02:37</i>	AN300487	LR877855	Anthony Nolan Research Institute, London, United Kingdom
<i>B*40:01:02:38</i>	AN300499	LR877867	Anthony Nolan Research Institute, London, United Kingdom
<i>B*40:01:03:02</i>	HG00023407, HG00023538, HG00023804, HG00023886	MK938072, MN003168, MN016276, MN016363	Histogenetics, Ossining, USA
<i>B*40:02:32</i>	HG00026589	MN994998	Histogenetics, Ossining, USA
<i>B*40:463</i>	DKMS-LSL_ID10900027	LR798106	DKMS Life Sciences Lab., Dresden, Germany
<i>B*40:464</i>	Isolate_251950	MT598169	Mrs Sureka Rajendran, Chennai, India
<i>B*40:465</i>	JMDP01K0310	LC573449	Dr Masahiro Satake, Tokyo, Japan
<i>B*40:466</i>	HG00026507, HG00026604	MN840509, MT015532	Histogenetics, Ossining, USA
<i>B*40:467</i>	DKMS-LSL_ID10889877	LR813236	DKMS Life Sciences Lab., Dresden, Germany
<i>B*40:468</i>	BSZ005261	MT740809	Miss Linlin Wang, Jinan, China
<i>B*41:01:01:05</i>	111404270	MT776874	Dr Francesc Rudilla, Barcelona, Spain
<i>B*44:02:01:44</i>	111420753	MT648408	Dr Francesc Rudilla, Barcelona, Spain
<i>B*44:02:01:45</i>	111441799	MT875343	Dr Francesc Rudilla, Barcelona, Spain
<i>B*44:02:67</i>	DKMS-LSL_ID12652010	LR798136	DKMS Life Sciences Lab., Dresden, Germany
<i>B*44:02:68</i>	LIT9-29743533-2020	MT943756	Dr Mariarosa Battarra, Roma, Italy
<i>B*44:03:01:36</i>	111427423	MT648414	Dr Francesc Rudilla, Barcelona, Spain
<i>B*44:03:01:37</i>	AN300482	LR877850	Anthony Nolan Research Institute, London, United Kingdom
<i>B*44:23:01:02N</i>	NT02467	MT662136	Prof Carolyn K Hurley, Washington DC, USA
<i>B*44:493</i>	KFU2326146	MT259472	Ms Anastasiia Ananeva, Kazan, Russia
<i>B*44:494</i>	DKMS-LSL_ID11179273	LR798114	DKMS Life Sciences Lab., Dresden, Germany
<i>B*44:495</i>	DKMS-LSL_ID16053785	LR798178	DKMS Life Sciences Lab., Dresden, Germany
<i>B*44:496</i>	DKMS-LSL_ID18138819	LR813233	DKMS Life Sciences Lab., Dresden, Germany
<i>B*45:01:11</i>	294506	MT799802	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>B*45:27</i>	230770VOL	MT767364	Dr Neifi Hassan Saloum Deghaide, Ribeirao Preto, Brazil
<i>B*46:01:30</i>	JMDP01K0307	LC573448	Dr Masahiro Satake, Tokyo, Japan
<i>B*46:82</i>	HG00026970	MT210215	Histogenetics, Ossining, USA
<i>B*46:83</i>	90061199015900	MT680812	Prof Faming Zhu, Hangzhou, China
<i>B*46:84</i>	HG00026543	MN887481	Histogenetics, Ossining, USA
<i>B*49:01:01:12</i>	111436657	MT875336	Dr Francesc Rudilla, Barcelona, Spain
<i>B*49:69</i>	HG00026971	MT239239	Histogenetics, Ossining, USA
<i>B*50:01:17</i>	90061199003500	MT680811	Prof Faming Zhu, Hangzhou, China
<i>B*50:71</i>	81226005	MT847602	Dr Daniel Fuerst, Ulm, Germany
<i>B*50:72N</i>	DKMS-LSL_ID15072125	LR798169	DKMS Life Sciences Lab., Dresden, Germany
<i>B*51:01:01:65</i>	111381683	MT604106	Dr Francesc Rudilla, Barcelona, Spain
<i>B*51:01:01:66</i>	111398453	MT776850	Dr Francesc Rudilla, Barcelona, Spain
<i>B*51:01:01:67</i>	111404218	MT776863	Dr Francesc Rudilla, Barcelona, Spain
<i>B*51:01:85</i>	DKMS-LSL_ID12440409	LR813242	DKMS Life Sciences Lab., Dresden, Germany
<i>B*51:08:01:03</i>	111353848	MT604093	Dr Francesc Rudilla, Barcelona, Spain
<i>B*51:104:02</i>	PAP160986	WS100596	Dr Angeliki Xagorari, Thessaloniki, Greece
<i>B*51:322</i>	KFU2326610	MT259474	Ms Anastasiia Ananeva, Kazan, Russia
<i>B*51:323</i>	DKMS-LSL_ID14078270	LR798152	DKMS Life Sciences Lab., Dresden, Germany
<i>B*51:324</i>	JMDP01K0348	LC575007	Dr Masahiro Satake, Tokyo, Japan
<i>B*52:01:01:17</i>	111443630	MT875346	Dr Francesc Rudilla, Barcelona, Spain
<i>B*54:42</i>	JMDP01K0271	LC573447	Dr Masahiro Satake, Tokyo, Japan
<i>B*54:43</i>	DKMS-LSL_ID14465285	LR798159	DKMS Life Sciences Lab., Dresden, Germany
<i>B*55:110</i>	DKMS-LSL_ID15737663	LR798177	DKMS Life Sciences Lab., Dresden, Germany
<i>B*56:01:16</i>	HG00027039	MT334878	Histogenetics, Ossining, USA
<i>B*56:75</i>	32753	MT684778	Prof Lee Ann Baxter-Lowe, Novato, USA
<i>B*56:76</i>	1905728	MT723824	Dr Paul Rouzaire, Clermont-Ferrand, France
<i>B*57:01:01:17</i>	111405838	MT776872	Dr Francesc Rudilla, Barcelona, Spain
<i>B*57:135</i>	KSR54017	MT606160	Dr Maria Loginova, Kirov, Russia
<i>B*57:136</i>	111425112	MT648411	Dr Francesc Rudilla, Barcelona, Spain
<i>B*57:137</i>	291739	MT774260	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>B*57:138</i>	111430755	MT776886	Dr Francesc Rudilla, Barcelona, Spain

<i>B*58:01:01:10</i>	111394430	MT681945	Dr Francesc Rudilla, Barcelona, Spain
<i>B*58:01:01:11</i>	111396960	MT776841	Dr Francesc Rudilla, Barcelona, Spain
<i>B*58:127</i>	DKMS-LSL_ID14840070	LR798165	DKMS Life Sciences Lab., Dresden, Germany
<i>B*59:11</i>	JMDP01K0226	LC573446	Dr Masahiro Satake, Tokyo, Japan
<i>B*59:12</i>	JMDP36K0270	LC575009	Dr Masahiro Satake, Tokyo, Japan
<i>B*73:03</i>	HG00027011	MT267939	Histogenetics, Ossining, USA
<i>B*81:02:02</i>	012015400466	MT670292	Mrs Hanan Al Anazi, Riyadh, Saudi Arabia
<i>C*01:02:01:45</i>	HG00024605	MN016598	Histogenetics, Ossining, USA
<i>C*01:02:01:46</i>	HG00027158	MT410234	Histogenetics, Ossining, USA
<i>C*01:02:01:47</i>	HG00027161	MT410237	Histogenetics, Ossining, USA
<i>C*01:02:01:48</i>	111395014	MT681933	Dr Francesc Rudilla, Barcelona, Spain
<i>C*01:02:01:49</i>	111403468	MT776862	Dr Francesc Rudilla, Barcelona, Spain
<i>C*01:02:69</i>	HG00027116	MT268032	Histogenetics, Ossining, USA
<i>C*01:02:70</i>	HG00027124	MT268040	Histogenetics, Ossining, USA
<i>C*01:02:71</i>	HG00027151	MT364232	Histogenetics, Ossining, USA
<i>C*01:02:72</i>	HG00027061	MT108852	Histogenetics, Ossining, USA
<i>C*01:198</i>	HG00027063	MT108854	Histogenetics, Ossining, USA
<i>C*01:199</i>	DKMS-LSL_ID12484365	LR798127	DKMS Life Sciences Lab., Dresden, Germany
<i>C*02:02:02:44</i>	HG00027163	MT410239	Histogenetics, Ossining, USA
<i>C*02:02:02:45</i>	111347808	MT604086	Dr Francesc Rudilla, Barcelona, Spain
<i>C*02:02:02:46</i>	111398977	MT776846	Dr Francesc Rudilla, Barcelona, Spain
<i>C*02:02:02:47</i>	AN300504	LR877872	Anthony Nolan Research Institute, London, United Kingdom
<i>C*02:193N</i>	20211489	MT793806	Dr Daniel Fuerst, Ulm, Germany
<i>C*02:194</i>	PCR12371	MT795151	Dr Milena Vrana, Prague, Czech Republic
<i>C*02:195</i>	DKMS-LSL_ID12176785	LR813240	DKMS Life Sciences Lab., Dresden, Germany
<i>C*02:196</i>	81225340	MT955343	Dr Daniel Fuerst, Ulm, Germany
<i>C*02:197</i>	HG00018477	MH974023	Histogenetics, Ossining, USA
<i>C*03:02:25</i>	HG00027126	MT268042	Histogenetics, Ossining, USA
<i>C*03:03:01:40</i>	20215619	MT976133	Dr Daniel Fuerst, Ulm, Germany
<i>C*03:03:59</i>	DKMS-LSL_ID10752058	LR798097	DKMS Life Sciences Lab., Dresden, Germany
<i>C*03:04:01:52</i>	111341263	MT604080	Dr Francesc Rudilla, Barcelona, Spain
<i>C*03:04:01:53</i>	DKMS-LSL_ID17232806	LR761876	DKMS Life Sciences Lab., Dresden, Germany
<i>C*03:04:83</i>	HG00027095	MT268011	Histogenetics, Ossining, USA
<i>C*03:04:84</i>	bio-core200428_150099	MT536935	Dr Oh-Joong Kwon, Seoul, South Korea
<i>C*03:530</i>	DKMS-LSL_ID16550563	LR761767	DKMS Life Sciences Lab., Dresden, Germany
<i>C*03:531N</i>	HG00027078	MT239223	Histogenetics, Ossining, USA
<i>C*03:532</i>	HG00027113	MT268029	Histogenetics, Ossining, USA
<i>C*03:533</i>	HG00027139	MT334846	Histogenetics, Ossining, USA
<i>C*03:534</i>	HG00027071	MT210202	Histogenetics, Ossining, USA
<i>C*03:535</i>	HG00027065	MT108856	Histogenetics, Ossining, USA
<i>C*03:536</i>	HG00027130	MT268046	Histogenetics, Ossining, USA
<i>C*03:537</i>	H200311	MT680813	Prof Faming Zhu, Hangzhou, China
<i>C*03:538</i>	900612090025326	MT680815	Prof Faming Zhu, Hangzhou, China
<i>C*03:539</i>	AMC200819_20755892	MT992638	Dr Oh-Joong Kwon, Seoul, South Korea
<i>C*03:540</i>	HG00027132	MT302192	Histogenetics, Ossining, USA
<i>C*03:541</i>	DKMS-LSL_ID16187142	LR798182	DKMS Life Sciences Lab., Dresden, Germany
<i>C*03:542</i>	DKMS-LSL_ID16210317	LR798183	DKMS Life Sciences Lab., Dresden, Germany
<i>C*04:01:01:101</i>	111399399	MT776853	Dr Francesc Rudilla, Barcelona, Spain
<i>C*04:01:01:102</i>	HG00026599	MT015577	Histogenetics, Ossining, USA
<i>C*04:01:01:103</i>	HG00027157	MT410233	Histogenetics, Ossining, USA
<i>C*04:01:130</i>	HG00026427	MN867904	Histogenetics, Ossining, USA
<i>C*04:01:131</i>	HG00027114	MT268030	Histogenetics, Ossining, USA
<i>C*04:01:132</i>	HG00027145	MT334853	Histogenetics, Ossining, USA
<i>C*04:425</i>	HG00027118	MT268034	Histogenetics, Ossining, USA
<i>C*04:426</i>	HG00027119	MT268035	Histogenetics, Ossining, USA
<i>C*04:427</i>	HG00027084	MT239229	Histogenetics, Ossining, USA
<i>C*04:428Q</i>	RK12	MT536213	Dr Julia Kalser, Vienna, Austria
<i>C*04:429</i>	HG00027080	MT239225	Histogenetics, Ossining, USA
<i>C*04:430</i>	111388826	MT776885	Dr Francesc Rudilla, Barcelona, Spain
<i>C*04:431</i>	HG00018395, HG00018503	MH824604, MH974050	Histogenetics, Ossining, USA
<i>C*04:432</i>	HG00027075	MT239220	Histogenetics, Ossining, USA
<i>C*05:01:01:50</i>	111339535	MT604068	Dr Francesc Rudilla, Barcelona, Spain
<i>C*05:01:01:51</i>	AN300506	LR877874	Anthony Nolan Research Institute, London, United Kingdom
<i>C*05:01:54</i>	HG00027138	MT334845	Histogenetics, Ossining, USA
<i>C*05:01:55</i>	HG00027077	MT239222	Histogenetics, Ossining, USA
<i>C*05:01:56</i>	RK20	MT536214	Dr Julia Kalser, Vienna, Austria
<i>C*05:240</i>	DKMS-LSL_ID17268107	LR761885	DKMS Life Sciences Lab., Dresden, Germany
<i>C*05:241</i>	HG00026625	MN840519	Histogenetics, Ossining, USA
<i>C*05:242</i>	HG00027079	MT239224	Histogenetics, Ossining, USA
<i>C*05:243</i>	HG00027070	MT210201	Histogenetics, Ossining, USA
<i>C*05:244N</i>	DKMS-LSL_ID17174333	LR798185	DKMS Life Sciences Lab., Dresden, Germany
<i>C*06:02:01:46</i>	111346514	MT604085	Dr Francesc Rudilla, Barcelona, Spain
<i>C*06:02:01:47</i>	HG00026710	MT015568	Histogenetics, Ossining, USA
<i>C*06:02:83</i>	DKMS-LSL_ID16675580	LR761775	DKMS Life Sciences Lab., Dresden, Germany
<i>C*06:02:84</i>	HG00026732, HG00026733	MT096390, MT096391	Histogenetics, Ossining, USA
<i>C*06:02:85</i>	HG00026721	MT015580	Histogenetics, Ossining, USA
<i>C*06:04:02:02</i>	111391100	MT681932	Dr Francesc Rudilla, Barcelona, Spain
<i>C*06:06:01:02</i>	HG00027156	MT410232	Histogenetics, Ossining, USA
<i>C*06:277:01:02</i>	HG00027162	MT410238	Histogenetics, Ossining, USA
<i>C*06:308</i>	HG00027121	MT268037	Histogenetics, Ossining, USA
<i>C*06:309N</i>	HG00027144	MT334852	Histogenetics, Ossining, USA
<i>C*06:310</i>	PCR6327	MT795150	Dr Milena Vrana, Prague, Czech Republic
<i>C*06:311</i>	1805396	MT723826	Dr Paul Rouzair, Clermont-Ferrand, France
<i>C*07:01:01:89</i>	HG00024628	MN016622	Histogenetics, Ossining, USA
<i>C*07:01:01:90</i>	HG00026662	MN887491	Histogenetics, Ossining, USA
<i>C*07:01:01:91</i>	111359266	MT604100	Dr Francesc Rudilla, Barcelona, Spain
<i>C*07:01:01:92</i>	111373925	MT101852	Dr Francesc Rudilla, Barcelona, Spain

<i>C*07:01:01:93</i>	AN300510	LR877878	Anthony Nolan Research Institute, London, United Kingdom
<i>C*07:01:95</i>	HG00027110	MT268026	Histogenetics, Ossining, USA
<i>C*07:01:96</i>	DKMS-LSL_ID11430936	LR798119	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:02:01:111</i>	AN300511	LR877879	Anthony Nolan Research Institute, London, United Kingdom
<i>C*07:02:01:112</i>	AN300508	LR877876	Anthony Nolan Research Institute, London, United Kingdom
<i>C*07:02:122</i>	DKMS-LSL_ID16217714	LR761751	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:02:123</i>	HG00026695	MN931618	Histogenetics, Ossining, USA
<i>C*07:02:124</i>	HG00026700	MN931623	Histogenetics, Ossining, USA
<i>C*07:02:125</i>	DKMS-LSL_ID12604736	LR798133	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:02:126</i>	20210408	MT920318	Dr Daniel Fuerst, Ulm, Germany
<i>C*07:02:36:02</i>	DKMS-LSL_ID16116878	LR798179	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:04:24</i>	HG00027168	MT410244	Histogenetics, Ossining, USA
<i>C*07:04:25</i>	DKMS-LSL_ID14202417	LR798153	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:141:03</i>	HG00027058	MT108849	Histogenetics, Ossining, USA
<i>C*07:18:01:04</i>	111422477	MT648409	Dr Francisc Rudilla, Barcelona, Spain
<i>C*07:18:06</i>	HG00027137	MT334844	Histogenetics, Ossining, USA
<i>C*07:342:02</i>	2018-271-01095	MN154541	Dr Jonathan Williams, Burlington, USA
<i>C*07:37:01:02</i>	111349320	MT604092	Dr Francisc Rudilla, Barcelona, Spain
<i>C*07:881N</i>	HG00026647	MN867893	Histogenetics, Ossining, USA
<i>C*07:882</i>	HG00027115	MT268031	Histogenetics, Ossining, USA
<i>C*07:883</i>	HG00027141	MT334848	Histogenetics, Ossining, USA
<i>C*07:884</i>	HG00027131	MT268047	Histogenetics, Ossining, USA
<i>C*07:885</i>	2018-1780	MT628386	Dr Lucia Garbarino, Genova, Italy
<i>C*07:886N</i>	JSCFR952	MT682370	Jeevan Stem Cell Foundation, Chennai, India
<i>C*07:887</i>	CB871	MT740253	Mrs Hwei Yee Low, Kuala Lumpur, Malaysia
<i>C*07:888</i>	HG00026660	MN867908	Histogenetics, Ossining, USA
<i>C*07:889N</i>	HG00027142	MT334850	Histogenetics, Ossining, USA
<i>C*07:890</i>	HG00027082	MT239227	Histogenetics, Ossining, USA
<i>C*07:891</i>	HG00027122	MT268038	Histogenetics, Ossining, USA
<i>C*07:892</i>	HG00027148	MT334856	Histogenetics, Ossining, USA
<i>C*07:893</i>	294278	MT774262	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>C*07:894</i>	DKMS-LSL_ID12762571	LR798140	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:895</i>	DKMS-LSL_ID12995465	LR798147	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:896</i>	DKMS-LSL_ID11747617	LR813239	DKMS Life Sciences Lab., Dresden, Germany
<i>C*07:897</i>	DKMS-LSL_ID11579831	LR813248	DKMS Life Sciences Lab., Dresden, Germany
<i>C*08:01:30</i>	DKMS-LSL_ID12531036	LR798129	DKMS Life Sciences Lab., Dresden, Germany
<i>C*08:02:01:29</i>	111339866	MT604070	Dr Francisc Rudilla, Barcelona, Spain
<i>C*08:02:01:30</i>	111382935	MT604107	Dr Francisc Rudilla, Barcelona, Spain
<i>C*08:02:01:31</i>	111401824	MT776858	Dr Francisc Rudilla, Barcelona, Spain
<i>C*08:214N</i>	DKMS-LSL_ID17290220	LR761889	DKMS Life Sciences Lab., Dresden, Germany
<i>C*08:215</i>	HG00027117	MT268033	Histogenetics, Ossining, USA
<i>C*08:216</i>	HG00027056	MN931617	Histogenetics, Ossining, USA
<i>C*08:217</i>	LC110664312	MT922569	Mrs Sureka Rajendran, Chennai, India
<i>C*12:02:39</i>	HG00027143	MT334851	Histogenetics, Ossining, USA
<i>C*12:03:01:37</i>	111340186	MT604074	Dr Francisc Rudilla, Barcelona, Spain
<i>C*12:03:01:38</i>	111397929	MT776843	Dr Francisc Rudilla, Barcelona, Spain
<i>C*12:03:66</i>	DKMS-LSL_ID17284188	LR761888	DKMS Life Sciences Lab., Dresden, Germany
<i>C*12:05:02</i>	HG00027064	MT108855	Histogenetics, Ossining, USA
<i>C*12:325</i>	DKMS-LSL_ID17377782	LR761907	DKMS Life Sciences Lab., Dresden, Germany
<i>C*12:326</i>	HG00027057	MT108848	Histogenetics, Ossining, USA
<i>C*12:327N</i>	HG00027067	MT166720	Histogenetics, Ossining, USA
<i>C*12:328</i>	HG00027123	MT268039	Histogenetics, Ossining, USA
<i>C*14:121</i>	HG00027081	MT239226	Histogenetics, Ossining, USA
<i>C*14:122</i>	HG00027083	MT239228	Histogenetics, Ossining, USA
<i>C*14:123</i>	Isolate_271101	MT783682	Mrs Sureka Rajendran, Chennai, India
<i>C*15:02:01:30Q</i>	HG00027155, HG00027167	MT410231, MT410243	Histogenetics, Ossining, USA
<i>C*15:04:04</i>	DKMS-LSL_ID17025721	LR761837	DKMS Life Sciences Lab., Dresden, Germany
<i>C*15:04:05</i>	HG00027060	MT108851	Histogenetics, Ossining, USA
<i>C*15:05:17</i>	HG00027125	MT268041	Histogenetics, Ossining, USA
<i>C*15:222</i>	HG00026642	MN867888	Histogenetics, Ossining, USA
<i>C*15:223</i>	JSCF9623	MT670919	Jeevan Stem Cell Foundation, Chennai, India
<i>C*15:224</i>	JSCF7914	MN565838	Jeevan Stem Cell Foundation, Chennai, India
<i>C*15:225</i>	HG00027069	MT166722	Histogenetics, Ossining, USA
<i>C*15:226</i>	HG00027128, HG00027129	MT268044, MT268045	Histogenetics, Ossining, USA
<i>C*15:227</i>	Fil-1	MT896389	Mr Valery Cheranev, Moscow, Russia
<i>C*15:228</i>	HLA028S31	MT968955	Dr Irene Mavroudi, Heraklion, Greece
<i>C*16:01:01:20</i>	111390202	MT776882	Dr Francisc Rudilla, Barcelona, Spain
<i>C*16:174Q</i>	DKMS-LSL_ID10341165	LR798092	DKMS Life Sciences Lab., Dresden, Germany
<i>C*16:175</i>	DKMS-LSL_ID12291468	LR798125	DKMS Life Sciences Lab., Dresden, Germany
<i>C*16:176</i>	MDRI031	MT905029	Miss Meetal Morjaria, Mumbai, India
<i>C*17:01:01:13</i>	HG00024753	MN016755	Histogenetics, Ossining, USA
<i>C*17:01:01:14</i>	HG00027149	MT364230	Histogenetics, Ossining, USA
<i>C*17:35:02</i>	HG00027088	MT268004	Histogenetics, Ossining, USA
<i>C*17:55</i>	HG00026296	MN787410	Histogenetics, Ossining, USA
<i>C*17:56</i>	DKMS-LSL_ID16447691	LR761758	DKMS Life Sciences Lab., Dresden, Germany
<i>C*17:57</i>	HG00027086	MT268002	Histogenetics, Ossining, USA
<i>E*01:116</i>	DKMS-LSL_ID16729236	LR782130	DKMS Life Sciences Lab., Dresden, Germany
<i>F*01:01:01:22</i>	BARB1014	MT912497	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:01:22:04</i>	BARB1012	MT889304	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:26</i>	BARB1522	MT889308	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>H*01:01:03</i>	DVMO_Nat_29	MT845272	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:02:01:03</i>	R6192Do	MT845281	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:02:01:04</i>	R484Do	MT845277	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:03:01:03</i>	UCLA821	MT845288	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:07</i>	5781_DVMO_Nat	MT845273	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:08</i>	UCLA456	MT845285	Dr Mehdi Alizadeh, Rennes, France
<i>H*01:09</i>	BARB1518	MT896398	Mr Vinicius Stelet, Rio de Janeiro, Brazil

<i>H*02:05:01:02</i>	UCLA792	MT845287	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:05:01:03</i>	R116Do_R1624Do_UCLA8 21	MT845275	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:05:01:04</i>	R4523Do	MT845276	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:08:01:02</i>	R8042Do	MT845284	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:23</i>	R5314Do	MT845279	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:24</i>	R6132Do	MT845280	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:25:01:01</i>	R6692Do	MT845282	Dr Mehdi Alizadeh, Rennes, France
<i>H*02:25:01:02</i>	R4917Do	MT845278	Dr Mehdi Alizadeh, Rennes, France
<i>J*01:01:01:09</i>	OLGA	MT427593	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:10</i>	LBUF	MT427598	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:11</i>	JESTHOM	MT427592	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:12</i>	JBUSH	MT427599	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:13</i>	IBW9	MT427600	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:14</i>	WT49	MT427601	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:15</i>	DUCAF	MT427602	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:16</i>	TEM	MT427603	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:17</i>	ZM-FC	MT427597	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:18</i>	FH34	MT427607	Ms Jessica Etccl, Fremantle, Australia
<i>DRB1*01:01:01:03</i>	AN300411	LR813343	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*01:01:01:04</i>	DKMS-LSL_ID15915616	LR828223	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:01:01:35</i>	IM-20-410	MT966874	Dr Lorenza Fenici, Rome, Italy
<i>DRB1*01:03:05</i>	scu17302	MT741092	Dr Francisco de Paula Sanchez Gordo, Malaga, Spain
<i>DRB1*01:116</i>	HG00027262	MT267880	Histogenetics, Ossining, USA
<i>DRB1*01:117</i>	HG00027292	MT267910	Histogenetics, Ossining, USA
<i>DRB1*01:118</i>	HG00027290	MT267908	Histogenetics, Ossining, USA
<i>DRB1*03:01:31</i>	AN300358	LR813291	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*03:02:05</i>	HG00027261	MT267879	Histogenetics, Ossining, USA
<i>DRB1*03:11:03</i>	HG00027303	MT334864	Histogenetics, Ossining, USA
<i>DRB1*03:175</i>	HG00027266	MT267884	Histogenetics, Ossining, USA
<i>DRB1*03:176</i>	HG00027273	MT267891	Histogenetics, Ossining, USA
<i>DRB1*03:177</i>	HG00027249	MT108863	Histogenetics, Ossining, USA
<i>DRB1*03:178</i>	287170	MT774263	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>DRB1*03:179</i>	299173	MT799803	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>DRB1*04:01:01:04</i>	AN300405, NA14661, PF97387, AN300432, AN300394, AWELLS, MCF, AN00747	LR813337, LR813443, LR813447, LR813363, LR813328, LR813390, LR813434, LR813256	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:01:01:05</i>	AN300403, 1416-1188, AN300389	LR813335, LR813251, LR813323	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:01:01:06</i>	FB11, AN300344, AN300443, AN300449, AN300380	LR813414, LR813278, LR813374, LR813380, LR813314	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:02:07</i>	HG00027272	MT267890	Histogenetics, Ossining, USA
<i>DRB1*04:03:01:03</i>	ZM-FC	LR813455	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:03:17</i>	20213104	MT872378	Dr Daniel Fuerst, Ulm, Germany
<i>DRB1*04:04:01:02</i>	PE117	LR813444	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:04:01:03</i>	PE117	LR813445	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:04:01:04</i>	FH12, AMR, AN300327, BM92	LR813415, LR813253, LR813271, LR813394	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:04:01:05</i>	AN300455, AN00890	LR813386, LR813261	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:04:01:06</i>	MT14B	LR813436	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:04:18</i>	HG00027288	MT267906	Histogenetics, Ossining, USA
<i>DRB1*04:05:01:05</i>	AN300413, AN300427, AMR, AN300414	LR813346, LR813358, LR813254, LR813347	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:306</i>	HG00027264	MT267882	Histogenetics, Ossining, USA
<i>DRB1*04:307</i>	HG00027280	MT267898	Histogenetics, Ossining, USA
<i>DRB1*04:308</i>	HG00027250	MT166699	Histogenetics, Ossining, USA
<i>DRB1*04:309</i>	HG00027289	MT267907	Histogenetics, Ossining, USA
<i>DRB1*04:310</i>	HG00027254	MT166703	Histogenetics, Ossining, USA
<i>DRB1*04:311</i>	HLA028S376	MT968954	Dr Irene Mavroudi, Heraklion, Greece
<i>DRB1*04:312N</i>	N2930	MT747437	Dr Milena Vrana, Prague, Czech Republic
<i>DRB1*04:74:02</i>	HG00027251	MT166700	Histogenetics, Ossining, USA
<i>DRB1*07:01:01:05</i>	AN300396	LR813330	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*07:01:24</i>	HG00027287, HG00027295, HG00027246	MT267905, MT302187, MT108860	Histogenetics, Ossining, USA
<i>DRB1*07:01:25</i>	HG00027308	MT410246	Histogenetics, Ossining, USA
<i>DRB1*07:115</i>	HG00027271	MT267889	Histogenetics, Ossining, USA
<i>DRB1*07:116</i>	HG00027286	MT267904	Histogenetics, Ossining, USA
<i>DRB1*07:117</i>	HG00027270	MT267888	Histogenetics, Ossining, USA
<i>DRB1*07:118N</i>	HG00026370, HG00026371, HG00026372	MN646274, MN646275, MN646276	Histogenetics, Ossining, USA
<i>DRB1*08:03:12</i>	900611990282126	MT635597	Prof Faming Zhu, Hangzhou, China
<i>DRB1*08:104</i>	HG00027301	MT334862	Histogenetics, Ossining, USA
<i>DRB1*09:01:02:05</i>	DRH001	LR813410	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*09:45</i>	K20-21	MT682369	Ms Eun-Jeong Choi, Seoul, South Korea
<i>DRB1*10:40</i>	HG00027278	MT267896	Histogenetics, Ossining, USA
<i>DRB1*11:01:41</i>	HG00027296	MT334857	Histogenetics, Ossining, USA
<i>DRB1*11:01:42</i>	93124660	MT955346	Dr Daniel Fuerst, Ulm, Germany
<i>DRB1*11:02:06</i>	HG00014375	MG701593	Histogenetics, Ossining, USA
<i>DRB1*11:02:07</i>	HG00027256, HG00027257, HG00027258, HG00027259	MT267874, MT267875, MT267876, MT267877	Histogenetics, Ossining, USA
<i>DRB1*11:04:01:02</i>	FPAF	LR813417	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*11:04:22</i>	HG00027268	MT267886	Histogenetics, Ossining, USA
<i>DRB1*11:15:02</i>	HG00027304	MT334865	Histogenetics, Ossining, USA
<i>DRB1*11:194:02</i>	HG00027291	MT267909	Histogenetics, Ossining, USA
<i>DRB1*11:274</i>	HG00027300	MT334861	Histogenetics, Ossining, USA

<i>DRB1*11:275</i>	111429064	MT648415	Dr Francesc Rudilla, Barcelona, Spain
<i>DRB1*11:276</i>	299545	MT814704	Dr Raquel Fabreti, Belo Horizonte, Brazil
<i>DRB1*11:277</i>	HLA028S009	MT968953	Dr Irene Mavroudi, Heraklion, Greece
<i>DRB1*11:278</i>	HG00026818	MN887489	Histogenetics, Ossining, USA
<i>DRB1*12:02:01:07</i>	JAP-NF	LR813428	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*12:85</i>	JSCF9124	MT043152	Jeevan Stem Cell Foundation, Chennai, India
<i>DRB1*13:01:01:04</i>	IND-1	LR813424	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:01:01:05</i>	AN300411, AN300428	LR813344, LR813359	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:01:01:06</i>	AN300383	LR813317	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:01:01:07</i>	AN300452, AN300238	LR813383, LR813267	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:01:01:08</i>	ARNT	LR813389	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:01:30</i>	HG00027248	MT108862	Histogenetics, Ossining, USA
<i>DRB1*13:02:01:06</i>	AN300441	LR813372	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:02:01:07</i>	DOP-ND, AN300369, AN300382	LR813408, LR813302, LR813316	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:02:01:08</i>	AN300347	LR813280	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:02:01:09</i>	AN300453	LR813384	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:03:01:02</i>	HAG	LR813421	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:303</i>	HG00027294	MT267912	Histogenetics, Ossining, USA
<i>DRB1*13:304</i>	HG00027267	MT267885	Histogenetics, Ossining, USA
<i>DRB1*13:305</i>	HG00027299	MT334860	Histogenetics, Ossining, USA
<i>DRB1*13:306</i>	TB5935	MT495780	Dr Keming Du, Shanghai, China
<i>DRB1*14:04:08</i>	HG00027252, HG00027253	MT166701, MT166702	Histogenetics, Ossining, USA
<i>DRB1*14:05:01:03</i>	APA	LR813388	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*14:06:05</i>	HG00027275	MT267893	Histogenetics, Ossining, USA
<i>DRB1*14:06:06</i>	HG00027277	MT267895	Histogenetics, Ossining, USA
<i>DRB1*14:225</i>	HG00027255	MT239238	Histogenetics, Ossining, USA
<i>DRB1*14:226</i>	HG00027263	MT267881	Histogenetics, Ossining, USA
<i>DRB1*14:227</i>	AB6098	MT936348	Prof Edward KL Yang, Hualien, Taiwan
<i>DRB1*14:54:01:06</i>	NATL21	LC570034	Prof Takashi Shiina, Isehara, Japan
<i>DRB1*14:54:01:07</i>	AN300448, AN300375	LR813379, LR813309	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*14:54:01:08</i>	NATL13	LC570035	Prof Takashi Shiina, Isehara, Japan
<i>DRB1*15:01:01:06</i>	AN300294	LR813269	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:01:01:07</i>	MGAR	LR813435	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:01:01:08</i>	DKMS-LSL_ID16237081	LR828235	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:02:01:06</i>	AN300454	LR813385	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:02:02:02</i>	DKMS-LSL_ID16287030	LR828240	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:187</i>	HG00026830	MT015518	Histogenetics, Ossining, USA
<i>DRB1*15:188</i>	HG00027297	MT334858	Histogenetics, Ossining, USA
<i>DRB1*15:189</i>	HG00027244	MT108858	Histogenetics, Ossining, USA
<i>DRB1*16:01:17</i>	HG00027276	MT267894	Histogenetics, Ossining, USA
<i>DRB1*16:02:01:05</i>	AN00890	LR813262	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*16:66</i>	HG00026815	MN867861	Histogenetics, Ossining, USA
<i>DRB1*16:67</i>	HG00027309	MT410247	Histogenetics, Ossining, USA
<i>DRB1*16:68</i>	HG00027306	MT334867	Histogenetics, Ossining, USA
<i>DRB3*01:87</i>	HG00027313	MT267980	Histogenetics, Ossining, USA
<i>DRB3*01:88</i>	HG00027323	MT267990	Histogenetics, Ossining, USA
<i>DRB3*01:89</i>	HG00027327	MT267994	Histogenetics, Ossining, USA
<i>DRB3*01:90</i>	HG00026383	MN787291	Histogenetics, Ossining, USA
<i>DRB3*02:02:26</i>	HG00027311, HG00027312	MT267978, MT267979	Histogenetics, Ossining, USA
<i>DRB3*02:02:27</i>	HG00027338	MT334901	Histogenetics, Ossining, USA
<i>DRB3*02:144</i>	HG00027333	MT302188	Histogenetics, Ossining, USA
<i>DRB3*02:145N</i>	HG00027315	MT267982	Histogenetics, Ossining, USA
<i>DRB3*02:146</i>	HG00027334	MT334897	Histogenetics, Ossining, USA
<i>DRB3*02:147</i>	HG00027324	MT267991	Histogenetics, Ossining, USA
<i>DRB3*02:148</i>	HG00026840	MT015564	Histogenetics, Ossining, USA
<i>DRB3*02:149</i>	HG00026838	MN931601	Histogenetics, Ossining, USA
<i>DRB3*02:150</i>	HG00026839	MN931602	Histogenetics, Ossining, USA
<i>DRB3*03:01:11</i>	HG00026842	MT015566	Histogenetics, Ossining, USA
<i>DRB3*03:45</i>	HG00027328, HG00027329	MT267995, MT267996	Histogenetics, Ossining, USA
<i>DRB3*03:46</i>	HG00027336	MT334899	Histogenetics, Ossining, USA
<i>DRB3*03:47</i>	HG00027330	MT267997	Histogenetics, Ossining, USA
<i>DRB3*03:48</i>	HG00027331	MT267998	Histogenetics, Ossining, USA
<i>DRB4*01:03:19</i>	HG00026852	MN840504	Histogenetics, Ossining, USA
<i>DRB4*01:126</i>	HG00027356	MT334881	Histogenetics, Ossining, USA
<i>DRB4*01:127</i>	HG00027343, HG00027352	MT268079, MT268088	Histogenetics, Ossining, USA
<i>DRB4*01:128N</i>	HG00027344	MT268080	Histogenetics, Ossining, USA
<i>DRB4*01:129</i>	HG00027357	MT334882	Histogenetics, Ossining, USA
<i>DRB4*01:130</i>	HG00027358	MT334883	Histogenetics, Ossining, USA
<i>DRB4*01:131</i>	HG00027347	MT268083	Histogenetics, Ossining, USA
<i>DRB4*01:132</i>	HG00027348	MT268084	Histogenetics, Ossining, USA
<i>DRB4*01:133</i>	HG00027355	MT268091	Histogenetics, Ossining, USA
<i>DRB4*01:134</i>	20211439	MT793807	Dr Daniel Fuerst, Ulm, Germany
<i>DRB4*01:135</i>	HG00026845	MN986968	Histogenetics, Ossining, USA
<i>DRB4*01:136</i>	HG00026843	MN867801	Histogenetics, Ossining, USA
<i>DRB4*01:137</i>	HG00026846	MN994989	Histogenetics, Ossining, USA
<i>DRB4*01:54:02N</i>	HG00027340	MT108880	Histogenetics, Ossining, USA
<i>DRB5*01:01:07</i>	HG00027372	MT410227	Histogenetics, Ossining, USA
<i>DRB5*01:02:02</i>	HG00027365	MT268049	Histogenetics, Ossining, USA
<i>DRB5*01:90</i>	HG00025638	MK032437	Histogenetics, Ossining, USA
<i>DRB5*01:91</i>	SZ-49	MT018538	Prof Su-Qing Gao, Shenzhen, China
<i>DRB5*01:92N</i>	HG00027361	MT210194	Histogenetics, Ossining, USA
<i>DRB5*01:93</i>	HG00027364	MT268048	Histogenetics, Ossining, USA
<i>DRB5*01:94</i>	HG00027366, HG00027370	MT268050, MT334885	Histogenetics, Ossining, USA
<i>DRB5*01:95</i>	HG00027367	MT268051	Histogenetics, Ossining, USA
<i>DRB5*01:96</i>	HG00027368	MT268052	Histogenetics, Ossining, USA
<i>DRB5*01:97</i>	HG00027360	MT210193	Histogenetics, Ossining, USA

<i>DRB5*01:98</i>	HG00026850	MT043194	Histogenetics, Ossining, USA
<i>DRB5*01:99</i>	86035302	MT920317	Dr Daniel Fuerst, Ulm, Germany
<i>DQA1*01:01:08</i>	20215707	MT981012	Dr Daniel Fuerst, Ulm, Germany
<i>DQA1*01:03:01:12</i>	NATL11	LC257822	Prof Takashi Shiina, Isehara, Japan
<i>DQA1*01:50</i>	111386598	MT681930	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*01:51</i>	GLAS75116	MT157266	Dr Claire Walker, Glasgow, United Kingdom
<i>DQA1*01:52</i>	UHB0005	MN839532	Mr Marc Kleiser, Basel, Switzerland
<i>DQA1*02:01:04</i>	HG00027195	MT364228	Histogenetics, Ossining, USA
<i>DQA1*02:13</i>	111402399	MT776868	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*02:14</i>	20211714	MT774166	Dr Daniel Fuerst, Ulm, Germany
<i>DQA1*03:03:01:14</i>	HLA-UERJ-103617	MT876543	Dr Romulo Vianna, Rio de Janeiro, Brazil
<i>DQA1*03:03:01:15</i>	HLA-UERJ-S51	MW014938	Dr Romulo Vianna, Rio de Janeiro, Brazil
<i>DQA1*05:06:01:03</i>	NATL11	LC257845	Prof Takashi Shiina, Isehara, Japan
<i>DQA1*05:26</i>	HG00027196	MT364229	Histogenetics, Ossining, USA
<i>DQA1*05:27</i>	111398990	MT776847	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*05:28</i>	UHB0004	MN807055	Mr Marc Kleiser, Basel, Switzerland
<i>DQA1*05:29Q</i>	190500660401	MN356023	Dr Erik Rozemuller, Utrecht, The Netherlands
<i>DQB1*02:01:01:03</i>	AN300376	LR813310	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*02:01:01:04</i>	DKMS-LSL_ID10560826	LR812800	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:14:01:02</i>	DKMS-LSL_ID15853115	LR777752	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:175</i>	111340152	MT604072	Dr Francesc Rudilla, Barcelona, Spain
<i>DQB1*02:176N</i>	HG00027232	MT268074	Histogenetics, Ossining, USA
<i>DQB1*02:177N</i>	HG00027202	MT166705	Histogenetics, Ossining, USA
<i>DQB1*02:178</i>	DKMS-LSL_ID10668766	LR812807	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:179</i>	DKMS-LSL_ID10819891	LR812813	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:01:04:02</i>	DKMS-LSL_ID16018690, DKMS-LSL_ID16259807	LR777773, LR777799	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:02:01:09</i>	DKMS-LSL_ID15971051	LR777764	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:03:03:02</i>	DKMS-LSL_ID16032070	LR777776	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:22:01:02</i>	DKMS-LSL_ID15853602	LR777753	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:263:01:02</i>	DKMS-LSL_ID11536855	LR812829	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:433</i>	HG00027209	MT239234	Histogenetics, Ossining, USA
<i>DQB1*03:434</i>	HG00027221	MT268063	Histogenetics, Ossining, USA
<i>DQB1*03:435</i>	HG00027211	MT239236	Histogenetics, Ossining, USA
<i>DQB1*03:436</i>	HG00027240	MT334891	Histogenetics, Ossining, USA
<i>DQB1*03:437</i>	HG00027206	MT210195	Histogenetics, Ossining, USA
<i>DQB1*03:438</i>	HG00027207	MT210196	Histogenetics, Ossining, USA
<i>DQB1*03:439</i>	HLA029S450	MT968956	Dr Irene Mavroudi, Heraklion, Greece
<i>DQB1*03:440N</i>	2018-271-00978	MN154484	Dr Jonathan Williams, Burlington, USA
<i>DQB1*03:441</i>	HG00026795	MN986969	Histogenetics, Ossining, USA
<i>DQB1*03:442</i>	DKMS-LSL_ID10703056	LR812808	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:443</i>	20216404	MT955345	Dr Daniel Fuerst, Ulm, Germany
<i>DQB1*03:49:01:02</i>	DKMS-LSL_ID15848061	LR777751	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*04:01:01:03</i>	DKMS-LSL_ID11083672	LR812820	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*04:80</i>	HG00027214	MT268056	Histogenetics, Ossining, USA
<i>DQB1*04:81</i>	HG00027219	MT268061	Histogenetics, Ossining, USA
<i>DQB1*04:82</i>	HG00027222	MT268064	Histogenetics, Ossining, USA
<i>DQB1*04:83</i>	HG00027237	MT334888	Histogenetics, Ossining, USA
<i>DQB1*04:84</i>	DKMS-LSL_ID11420161	LR812837	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:01:01:10</i>	AN300361, AN300424	LR813294, LR813355	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*05:02:01:08</i>	DKMS-LSL_ID15188653	LR777699	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:02:24</i>	RMU155	MT896392	Mr Valery Cheranov, Moscow, Russia
<i>DQB1*05:03:24</i>	HG00026782	MN887483	Histogenetics, Ossining, USA
<i>DQB1*05:03:25</i>	DKMS-LSL_ID11463529	LR812832	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:18:02</i>	DKMS-LSL_ID14749074, DKMS-LSL_ID15814421	LR777684, LR777747	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:255</i>	HG00027210	MT239235	Histogenetics, Ossining, USA
<i>DQB1*05:256</i>	HG00027217	MT268059	Histogenetics, Ossining, USA
<i>DQB1*05:257</i>	JSCF10180	MT670920	Jeevan Stem Cell Foundation, Chennai, India
<i>DQB1*05:258</i>	111392716	MT681938	Dr Francesc Rudilla, Barcelona, Spain
<i>DQB1*05:259</i>	HG00027216	MT268058	Histogenetics, Ossining, USA
<i>DQB1*05:260</i>	HG00027223	MT268065	Histogenetics, Ossining, USA
<i>DQB1*05:261</i>	HG00027233	MT268075	Histogenetics, Ossining, USA
<i>DQB1*05:262</i>	93123893	MT774165	Dr Daniel Fuerst, Ulm, Germany
<i>DQB1*05:263</i>	Isolate_293242	MT795164	Mrs Sureka Rajendran, Chennai, India
<i>DQB1*05:264</i>	HG00026357	MN787296	Histogenetics, Ossining, USA
<i>DQB1*05:265N</i>	HG00026778	MN840503	Histogenetics, Ossining, USA
<i>DQB1*05:266</i>	HG00027234	MT268076	Histogenetics, Ossining, USA
<i>DQB1*05:267</i>	DKMS-LSL_ID10949428	LR812816	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:268</i>	DKMS-LSL_ID11520875	LR812830	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:269</i>	DKMS-LSL_ID11425940	LR812835	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:270</i>	Isolate_259405	MT598167	Mrs Sureka Rajendran, Chennai, India
<i>DQB1*05:271</i>	81222378	MT955344	Dr Daniel Fuerst, Ulm, Germany
<i>DQB1*06:02:01:09</i>	DKMS-LSL_ID11425940	LR812836	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:02:45</i>	HG00027226, HG00027227, HG00027228	MT268068, MT268069, MT268070	Histogenetics, Ossining, USA
<i>DQB1*06:02:46</i>	HG00027239	MT334890	Histogenetics, Ossining, USA
<i>DQB1*06:02:47</i>	KSR44583	MT680263	Dr Maria Loginova, Kirov, Russia
<i>DQB1*06:03:40</i>	Isolate_251633	MT847631	Mrs Sureka Rajendran, Chennai, India
<i>DQB1*06:04:16</i>	JSCF8116	MT720688	Jeevan Stem Cell Foundation, Chennai, India
<i>DQB1*06:04:17</i>	HG00027220	MT268062	Histogenetics, Ossining, USA
<i>DQB1*06:375</i>	HG00025492	MK309146	Histogenetics, Ossining, USA
<i>DQB1*06:376</i>	HG00027238	MT334889	Histogenetics, Ossining, USA
<i>DQB1*06:377</i>	HG00027197	MT108876	Histogenetics, Ossining, USA
<i>DQB1*06:378</i>	HG00027201	MT166704	Histogenetics, Ossining, USA
<i>DQB1*06:379N</i>	2007009506	MT682967	Dr Francesco Ingrassia, Palermo, Italy
<i>DQB1*06:380</i>	111436981	MT875338	Dr Francesc Rudilla, Barcelona, Spain

<i>DQB1*06:381</i>	DKMS-LSL_ID10763800	LR812811	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:382</i>	Isolate_250847	MT876627	Mrs Sureka Rajendran, Chennai, India
<i>DQB1*06:41:01:02</i>	DKMS-LSL_ID15988681, DKMS-LSL_ID16014466	LR777768, LR777770	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:41:01:03</i>	DKMS-LSL_ID16295812	LR777801	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:84:01:02</i>	DKMS-LSL_ID10905432	LR812814	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:88:01:02</i>	DKMS-LSL_ID16185723, DKMS-LSL_ID16260086	LR777791, LR777800	DKMS Life Sciences Lab., Dresden, Germany
<i>DPA1*01:03:01:39</i>	HLA-UERJ-S53	MW014937	Dr Romulo Vianna, Rio de Janeiro, Brazil
<i>DPA1*01:03:24</i>	HG00027170	MT268077	Histogenetics, Ossining, USA
<i>DPA1*01:03:25</i>	20214318	MT847603	Dr Daniel Fuerst, Ulm, Germany
<i>DPA1*01:36</i>	HG00027169	MT210192	Histogenetics, Ossining, USA
<i>DPA1*01:37</i>	111399081	MT776851	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*01:38</i>	111401481	MT776857	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*01:39</i>	111401930	MT776859	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*01:40</i>	111404489	MT776869	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*01:41</i>	111385956	MT776876	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*01:42</i>	2010458789	MT857014	Dr Jonathan Visentin, Bordeaux, France
<i>DPA1*01:43</i>	20215617	MT981013	Dr Daniel Fuerst, Ulm, Germany
<i>DPA1*02:02:02:11</i>	NATL08	LC570028	Prof Takashi Shiina, Isehara, Japan
<i>DPA1*02:21:02</i>	111388301	MT681928	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*02:28:02</i>	111398463	MT776854	Dr Francesc Rudilla, Barcelona, Spain
<i>DPA1*02:36</i>	20213500	MT872377	Dr Daniel Fuerst, Ulm, Germany
<i>DPB1*01:01:01:12</i>	AN300381, AN300371, AN300391	LR813315, LR813304, LR813325	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:48</i>	NATL03	LC257894	Prof Takashi Shiina, Isehara, Japan
<i>DPB1*02:01:02:49</i>	AN300429, AN300346, AN300385, AN300353, AN300337, AN300348, AN300349	LR813360, LR813279, LR813319, LR813286, LR813273, LR813281, LR813282	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:50</i>	CRB	LR813402	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:51</i>	AN00759, AN300435	LR813258, LR813366	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:52</i>	G085	LR813418	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:19:02</i>	AN00832	LR813260	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*03:01:01:12</i>	NA00576	LR813438	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*03:01:01:13</i>	AN300388, AN300439	LR813322, LR813370	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*03:01:01:14</i>	JAP-NF	LR813426	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:42</i>	NA14661	LR813442	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:43</i>	AN300404, AN300446	LR813336, LR813377	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:44</i>	AN300416, AN300415	LR813349, LR813348	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:45</i>	REN, AN300431	LR813448, LR813362	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:46</i>	AN300342, AN300444, AN300356, AN300355, AN300350	LR813276, LR813375, LR813289, LR813288, LR813283	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:47</i>	AN300387, AN300357, AN300386	LR813321, LR813290, LR813320	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:48</i>	AN300340, AN300438	LR813275, LR813369	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:49</i>	AN300339, AN300366, AN300354	LR813274, LR813287, LR813299	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:50</i>	ELON	LR813412	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:51</i>	AN300364, AN300374	LR813297, LR813308	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:52</i>	LATIF	LR813431	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:53</i>	MZ070782, AN300395	LR813437, LR813329	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:48</i>	DKMS-LSL_ID11130835, DKMS-LSL_ID15639716	LR778222, LR778244	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*04:01:49</i>	DKMS-LSL_ID13306040, DKMS-LSL_ID14103664	LR778229, LR778233	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*04:02:01:16</i>	AN300211	LR813265	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:02:01:17</i>	AN300400, AN300445, AN300288	LR813332, LR813376, LR813268	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*05:01:01:13</i>	DKMS-LSL_ID15983079	LR778247	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*05:01:01:14</i>	AN300343, AN300372	LR813277, LR813305	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*05:01:01:15</i>	DK1	LR813407	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*05:01:01:16</i>	KY	LR813430	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*05:01:01:17</i>	APA	LR813387	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*05:01:01:18</i>	NATL07	LC257912	Prof Takashi Shiina, Isehara, Japan
<i>DPB1*05:01:14</i>	DKMS-LSL_ID15184341	LR778241	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*06:01:01:04</i>	AN300363, AN00902, AN300440	LR813296, LR813264, LR813371	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*105:01:01:11</i>	AN300220	LR813266	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*105:01:01:12</i>	PETCH	LR813446	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*1121:01N</i>	HG00026751	MN867870	Histogenetics, Ossining, USA
<i>DPB1*1122:01</i>	HG00026764	MN994980	Histogenetics, Ossining, USA
<i>DPB1*1123:01</i>	111423258	MT648410	Dr Francesc Rudilla, Barcelona, Spain
<i>DPB1*1124:01</i>	60842544	MT707063	Dr Antonio Balas, Madrid, Spain
<i>DPB1*1125:01</i>	DKMS-LSL_ID11592900	LR778224	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1126:01</i>	DKMS-LSL_ID12294543	LR778227	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1127:01</i>	DKMS-LSL_ID12669681	LR778228	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1128:01</i>	DKMS-LSL_ID13919119, DKMS-LSL_ID15011459	LR778232, LR778238	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1129:01</i>	DKMS-LSL_ID14161797, DKMS-LSL_ID15184308	LR778234, LR778240	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1130:01</i>	DKMS-LSL_ID14191900, DKMS-LSL_ID15620537	LR778235, LR778243	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1131:01</i>	DKMS-LSL_ID14771779	LR778236	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1132:01</i>	DKMS-LSL_ID15184031, DKMS-LSL_ID15983079	LR778239, LR778246	DKMS Life Sciences Lab., Dresden, Germany

<i>DPB1*1133:01</i>	DKMS-LSL_ID16170903, DKMS-LSL_ID16170908	LR778248, LR778249	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1134:01</i>	DKMS-LSL_ID16170916	LR778250	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1135:01N</i>	HG00027173	MT108872	Histogenetics, Ossining, USA
<i>DPB1*1136:01</i>	HG00027180	MT210197	Histogenetics, Ossining, USA
<i>DPB1*1137:01</i>	HG00027190	MT410245	Histogenetics, Ossining, USA
<i>DPB1*1138:01</i>	HG00027181	MT210198	Histogenetics, Ossining, USA
<i>DPB1*1139:01</i>	HG00027177	MT166717	Histogenetics, Ossining, USA
<i>DPB1*1140:01</i>	HG00027175	MT108874	Histogenetics, Ossining, USA
<i>DPB1*1141:01</i>	HG00027176	MT108875	Histogenetics, Ossining, USA
<i>DPB1*1142:01</i>	HG00027182	MT210199	Histogenetics, Ossining, USA
<i>DPB1*1143:01</i>	HG00027189	MT364225	Histogenetics, Ossining, USA
<i>DPB1*1144:01</i>	19-311-015649	MT499328	Dr Alison Gareau, Calgary, Canada
<i>DPB1*1145:01</i>	CEM-CCRF	LR813398	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*1146:01</i>	HR-5268257	MT711289	Prof Renata Zunec, Zagreb, Croatia
<i>DPB1*1147:01</i>	DKMS-LSL_ID14878607	LR778237	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1148:01Q</i>	208618vol	MT787485	Dr Neifi Hassan Saloum Deghaide, Ribeirao Preto, Brazil
<i>DPB1*1149:01</i>	LIT18QC_A.G.	MT948150	Dr Mariarosa Battarra, Roma, Italy
<i>DPB1*15:01:04</i>	DKMS-LSL_ID13306091	LR778230	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*17:01:01:03</i>	AN300325	LR813270	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*17:01:04</i>	3131899	MT625973	Dr Antonio Balas, Madrid, Spain
<i>DPB1*352:01:02:02</i>	NA14660	LR813441	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*416:01:01:04</i>	AMR	LR813252	Anthony Nolan Research Institute, London, United Kingdom
<i>MICA*004:01:09</i>	DKMS-LSL_ID17357415	LR596374	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:21</i>	DKMS-LSL_ID16356996	LR700889	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:22</i>	DKMS-LSL_ID16910351	LR700912	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:23</i>	DKMS-LSL_ID17399415	LR701024	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:24</i>	DKMS-LSL_ID17422007	LR701032	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:25</i>	DKMS-LSL_ID17422225	LR701036	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:26</i>	DKMS-LSL_ID17427606	LR701129	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:27</i>	DKMS-LSL_ID17427837	LR701134	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:28</i>	DKMS-LSL_ID17429179	LR701141	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:04</i>	DKMS-LSL_ID16918421	LR700916	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:05</i>	DKMS-LSL_ID16805493	LR701015	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:06</i>	DKMS-LSL_ID17004836	LR701018	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:07</i>	DKMS-LSL_ID17415181	LR701026	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:08</i>	DKMS-LSL_ID16805493	LR701085	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:09</i>	DKMS-LSL_ID17004836	LR701088	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:10</i>	DKMS-LSL_ID17423506	LR701115	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*003:01:11</i>	DKMS-LSL_ID17423945	LR701119	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:08</i>	DKMS-LSL_ID16120183	LR700887	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:09</i>	DKMS-LSL_ID16334735	LR700888	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:10</i>	DKMS-LSL_ID16753957	LR700894	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:11</i>	DKMS-LSL_ID16845890	LR700895	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:12</i>	DKMS-LSL_ID16901362	LR700909	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:13</i>	DKMS-LSL_ID16946949	LR700933	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:14</i>	DKMS-LSL_ID15531073	LR701008	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:15</i>	DKMS-LSL_ID17035064	LR701019	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:16</i>	DKMS-LSL_ID17101910	LR701021	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:17</i>	DKMS-LSL_ID17419646, DKMS-LSL_ID17427729	LR701027, LR701062	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:18</i>	DKMS-LSL_ID17423744	LR701048	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:19</i>	DKMS-LSL_ID17423945	LR701050	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:20</i>	DKMS-LSL_ID17426177	LR701055	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:21</i>	DKMS-LSL_ID17428843	LR701069	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:22</i>	DKMS-LSL_ID16243794	LR701081	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:23</i>	DKMS-LSL_ID17423681	LR701116	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:01:03</i>	DKMS-LSL_ID17429388	LR701143	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:12</i>	DKMS-LSL_ID16895771	LR700905	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:13</i>	DKMS-LSL_ID16941058	LR700929	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:14</i>	DKMS-LSL_ID16954023	LR700938	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:15</i>	DKMS-LSL_ID16924208	LR700917	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:16</i>	DKMS-LSL_ID16929086	LR700921	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:17</i>	DKMS-LSL_ID16504392	LR701012	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:18</i>	DKMS-LSL_ID17421387	LR701029	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:19</i>	DKMS-LSL_ID17421826	LR701031	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:20</i>	DKMS-LSL_ID17422233	LR701037	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:21</i>	DKMS-LSL_ID17422311, DKMS-LSL_ID17423300	LR701038, LR701113	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:22</i>	DKMS-LSL_ID17425438	LR701052	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:23</i>	DKMS-LSL_ID17426229, DKMS-LSL_ID17423916	LR701056, LR701118	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:24</i>	DKMS-LSL_ID17428146	LR701068	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:25</i>	DKMS-LSL_ID17426073	LR701122	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:26</i>	DKMS-LSL_ID17426177	LR701124	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:27</i>	DKMS-LSL_ID17427561	LR701127	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:28</i>	DKMS-LSL_ID17427612	LR701130	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:29</i>	DKMS-LSL_ID17429727	LR701144	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:06:03</i>	DKMS-LSL_ID17430454	LR701145	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:02N</i>	DKMS-LSL_ID16243794	LR701011	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:03N</i>	DKMS-LSL_ID16884119	LR701017	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:04N</i>	DKMS-LSL_ID15531073	LR701078	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:05N</i>	DKMS-LSL_ID16084330	LR701080	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:06N</i>	DKMS-LSL_ID16884119	LR701087	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:07N</i>	DKMS-LSL_ID17035064	LR701089	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:08N</i>	DKMS-LSL_ID17101910	LR701091	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:09N</i>	DKMS-LSL_ID17355480	LR701092	DKMS Life Sciences Lab., Dresden, Germany

<i>MICB*009:01:10N</i>	DKMS-LSL_ID17392662	LR701093	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:11N</i>	DKMS-LSL_ID17399415	LR701094	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:12N</i>	DKMS-LSL_ID17411638	LR701095	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*013:01:06</i>	DKMS-LSL_ID17425438	LR701121	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*014:01:07</i>	DKMS-LSL_ID16888683	LR700902	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*014:01:08</i>	DKMS-LSL_ID17428843	LR701138	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*021:01:04N</i>	DKMS-LSL_ID16940135	LR700928	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*021:01:05N</i>	DKMS-LSL_ID16945375	LR700931	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*021:01:06N</i>	DKMS-LSL_ID16951028	LR700937	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*021:01:07N</i>	DKMS-LSL_ID17427743	LR701132	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*024:01:04</i>	DKMS-LSL_ID17422546, DKMS-LSL_ID17428146, DKMS-LSL_ID17427486, DKMS-LSL_ID17429727, DKMS-LSL_ID17427837, DKMS-LSL_ID17427612	LR701039, LR701137, LR701126, LR701075, LR701065, LR701061	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*024:01:05</i>	DKMS-LSL_ID17427729	LR701131	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*025:01:05</i>	DKMS-LSL_ID16900010	LR700908	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*041N</i>	DKMS-LSL_ID16917602	LR700915	DKMS Life Sciences Lab., Dresden, Germany

Table 2: Confirmatory Sequences

HLA Allele	Cell identification	Accession number	Submitting author
<i>A*01:01:01:12</i>	DKMS-LSL_ID17269405	LR701949	DKMS Life Sciences Lab., Dresden, Germany
<i>A*01:01:01:18</i>	HG00026408	MN867831	Histogenetics, Ossining, USA
<i>A*01:01:01:22</i>	AN300468, AN300480, AN300474	LR877838, LR877842, LR877842	Anthony Nolan Research Institute, London, United Kingdom
<i>A*01:01:01:23</i>	HG00026410, HG00026414, HG00026415	MN867833, MN867837, MN867838	Histogenetics, Ossining, USA
<i>A*01:01:01:25</i>	AN300475	LR877843	Anthony Nolan Research Institute, London, United Kingdom
<i>A*01:01:01:35</i>	HG00026473	MT015535	Histogenetics, Ossining, USA
<i>A*01:01:01:44</i>	HG00026418	MN867841	Histogenetics, Ossining, USA
<i>A*02:01:01:103</i>	AN300481	LR877849	Anthony Nolan Research Institute, London, United Kingdom
<i>A*02:01:01:145</i>	111435721	MT681937	Dr Francesc Rudilla, Barcelona, Spain
<i>A*02:01:01:35</i>	AN300467	LR877837	Anthony Nolan Research Institute, London, United Kingdom
<i>A*02:01:01:38</i>	AN300458	LR877827	Anthony Nolan Research Institute, London, United Kingdom
<i>A*02:01:01:39</i>	AN300459	LR877829	Anthony Nolan Research Institute, London, United Kingdom
<i>A*02:01:01:62</i>	AN300459	LR877828	Anthony Nolan Research Institute, London, United Kingdom
<i>A*02:01:01:71</i>	HG00026448	MN907085	Histogenetics, Ossining, USA
<i>A*02:01:01:74</i>	HG00026441	MN907078	Histogenetics, Ossining, USA
<i>A*02:01:176</i>	HG00010138	KP872782	Histogenetics, Ossining, USA
<i>A*02:01:177</i>	DKMS-LSL_ID17442741	LR701977	DKMS Life Sciences Lab., Dresden, Germany
<i>A*02:01:180</i>	HG00015339	JN124145	Histogenetics, Ossining, USA
<i>A*02:05:01:10</i>	111341270	MT604081	Dr Francesc Rudilla, Barcelona, Spain
<i>A*02:406</i>	5321800577	MN829809	Dr Zhanhui Du, Qingdao, China
<i>A*02:591:02</i>	DKMS-LSL_ID14631856	LR798162	DKMS Life Sciences Lab., Dresden, Germany
<i>A*02:915N</i>	111406500	MT298177	Dr Francesc Rudilla, Barcelona, Spain
<i>A*02:939</i>	AN300460	LR877830	Anthony Nolan Research Institute, London, United Kingdom
<i>A*03:01:01:24</i>	HG00026409	MN867832	Histogenetics, Ossining, USA
<i>A*03:01:84</i>	AN300476	LR877844	Anthony Nolan Research Institute, London, United Kingdom
<i>A*03:319</i>	DKMS-LSL_ID10898725	LR798105	DKMS Life Sciences Lab., Dresden, Germany
<i>A*11:01:01:23</i>	AN300477	LR877845	Anthony Nolan Research Institute, London, United Kingdom
<i>A*11:01:102</i>	JSCF9968	MT670922	Jeevan Stem Cell Foundation, Chennai, India
<i>A*11:01:102</i>	DKMS-LSL_ID12573232	LR798131	DKMS Life Sciences Lab., Dresden, Germany
<i>A*11:263</i>	D398974	MT829248	Prof Edward KL Yang, Hualien, Taiwan
<i>A*23:01:29</i>	HG00013103	KY905163	Histogenetics, Ossining, USA
<i>A*23:01:30</i>	HG00011043	KT895302	Histogenetics, Ossining, USA
<i>A*23:97</i>	DKMS-LSL_ID14570931	LR798160	DKMS Life Sciences Lab., Dresden, Germany
<i>A*24:02:01:15</i>	AN300457, AN300469, AN300471	LR877826, LR877839, LR877841	Anthony Nolan Research Institute, London, United Kingdom
<i>A*24:02:01:49</i>	111404407	MT776866	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:02:01:69</i>	111355596	MT604097	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:02:61</i>	6331700168	MT385841	Dr Zhanhui Du, Qingdao, China
<i>A*24:07:01:02</i>	111399399	MT776852	Dr Francesc Rudilla, Barcelona, Spain
<i>A*24:418</i>	AN300464	LR877834	Anthony Nolan Research Institute, London, United Kingdom
<i>A*29:02:29</i>	HG00011810	KX017402	Histogenetics, Ossining, USA
<i>A*29:126Q</i>	HG00019628, HG00020048	MK165899, MK442147	Histogenetics, Ossining, USA
<i>A*30:01:17</i>	HG00011026	KT968841	Histogenetics, Ossining, USA
<i>A*31:48</i>	KSR54731	MT787038	Dr Maria Loginova, Kirov, Russia
<i>A*32:01:41</i>	HG00013302	MF197404	Histogenetics, Ossining, USA
<i>A*33:146</i>	D303393	MT875392	Prof Edward KL Yang, Hualien, Taiwan
<i>A*68:02:01:05</i>	AN300462	LR877832	Anthony Nolan Research Institute, London, United Kingdom
<i>A*68:21:03</i>	111435736	MT776887	Dr Francesc Rudilla, Barcelona, Spain
<i>A*68:46</i>	111411185	MT648401	Dr Francesc Rudilla, Barcelona, Spain
<i>B*07:02:01:10</i>	AN300497	LR877865	Anthony Nolan Research Institute, London, United Kingdom
<i>B*07:02:01:11</i>	AN300483	LR877851	Anthony Nolan Research Institute, London, United Kingdom
<i>B*07:02:43</i>	DKMS-LSL_ID10450807	LR798186	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:241</i>	DKMS-LSL_ID11186870	LR798115	DKMS Life Sciences Lab., Dresden, Germany
<i>B*07:386N</i>	DKMS-LSL_ID17972780	LR813249	DKMS Life Sciences Lab., Dresden, Germany
<i>B*08:01:01:12</i>	AN300493	LR877861	Anthony Nolan Research Institute, London, United Kingdom
<i>B*08:01:01:26</i>	AN300486	LR877854	Anthony Nolan Research Institute, London, United Kingdom
<i>B*08:01:35</i>	DKMS-LSL_ID10274909	LR798091	DKMS Life Sciences Lab., Dresden, Germany
<i>B*08:01:56</i>	HG00012571	KY022494	Histogenetics, Ossining, USA
<i>B*13:01:01:06</i>	DKMS-LSL_ID15359834	LR798174	DKMS Life Sciences Lab., Dresden, Germany

B*14:02:01:19	111387963	MT681939	Dr Francesc Rudilla, Barcelona, Spain
B*15:24:02	DKMS-LSL_ID10582513	LR798093	DKMS Life Sciences Lab., Dresden, Germany
B*15:25:03	90061199010300	MT680810	Prof Faming Zhu, Hangzhou, China
B*15:385	DKMS-LSL_ID14029302	LR798148	DKMS Life Sciences Lab., Dresden, Germany
B*18:01:01:10	111445972	MT875348	Dr Francesc Rudilla, Barcelona, Spain
B*18:01:01:22	AN300490	LR877858	Anthony Nolan Research Institute, London, United Kingdom
B*18:01:01:36	111388800	MT776879	Dr Francesc Rudilla, Barcelona, Spain
B*27:02:01:01	DKMS-LSL_ID15043204	LR798168	DKMS Life Sciences Lab., Dresden, Germany
B*27:05:33	DKMS-LSL_ID14042501	LR798151	DKMS Life Sciences Lab., Dresden, Germany
B*27:218	DKMS-LSL_ID14900252	LR798166	DKMS Life Sciences Lab., Dresden, Germany
B*35:01:01:29	111446010	MT875349	Dr Francesc Rudilla, Barcelona, Spain
B*35:01:23	D391689	MT449715	Prof Edward KL Yang, Hualien, Taiwan
B*35:01:54	DKMS-LSL_ID12529166	LR798128	DKMS Life Sciences Lab., Dresden, Germany
B*35:01:55	DKMS-LSL_ID11161216	LR798113	DKMS Life Sciences Lab., Dresden, Germany
B*35:02:10	DKMS-LSL_ID12097703	LR798124	DKMS Life Sciences Lab., Dresden, Germany
B*35:03:31	HG00012783	KY345180	Histogenetics, Ossining, USA
B*35:242	DKMS-LSL_ID10729920	LR798096	DKMS Life Sciences Lab., Dresden, Germany
B*35:259	DKMS-LSL_ID11231342	LR798116	DKMS Life Sciences Lab., Dresden, Germany
B*35:428Q	DKMS-LSL_ID10695421	LR798095	DKMS Life Sciences Lab., Dresden, Germany
B*35:43:01	24809691	MT783960	Dr Luis A Marin, Albacete, Spain
B*37:01:01:04	DKMS-LSL_ID15078329	LR798170	DKMS Life Sciences Lab., Dresden, Germany
B*37:94	81215792	MT976132	Dr Daniel Fuerst, Ulm, Germany
B*39:09:02	DKMS-LSL_ID11498856	LR813238	DKMS Life Sciences Lab., Dresden, Germany
B*40:02:01:03	71540618	MT681919	Dr Luis A Marin, Albacete, Spain
B*40:10:01:02	NT02465, NT02468	MT253629, MT662137	Prof Carolyn K Hurley, Washington DC, USA
B*40:181	111341553	MT604083	Dr Francesc Rudilla, Barcelona, Spain
B*40:191	NT02469	MT662138	Prof Carolyn K Hurley, Washington DC, USA
B*40:33	D376600	MT951235	Prof Edward KL Yang, Hualien, Taiwan
B*40:377	0100285	MT829311	Miss Chun-Ying Lin, Taipei, Taiwan
B*40:394	DKMS-LSL_ID10957810	LR798108	DKMS Life Sciences Lab., Dresden, Germany
B*40:451	JXZJ20161112006	MT680814	Prof Faming Zhu, Hangzhou, China
B*41:60	DKMS-LSL_ID10240688	LR798090	DKMS Life Sciences Lab., Dresden, Germany
B*44:02:01:17	AN300500	LR877868	Anthony Nolan Research Institute, London, United Kingdom
B*44:03:01:25	AN300495	LR877863	Anthony Nolan Research Institute, London, United Kingdom
B*44:229	DKMS-LSL_ID11141191	LR798112	DKMS Life Sciences Lab., Dresden, Germany
B*46:01:07	5351800450	MT409578	Dr Zhanhui Du, Qingdao, China
B*48:41	DKMS-LSL_ID12752123	LR798139	DKMS Life Sciences Lab., Dresden, Germany
B*49:01:01:09	AN300491	LR877859	Anthony Nolan Research Institute, London, United Kingdom
B*49:45	DKMS-LSL_ID12631447	LR798135	DKMS Life Sciences Lab., Dresden, Germany
B*51:01:01:26	AN300488, AN300489	LR877856, LR877857	Anthony Nolan Research Institute, London, United Kingdom
B*51:01:42	DKMS-LSL_ID10770715	LR813234	DKMS Life Sciences Lab., Dresden, Germany
B*52:68	DKMS-LSL_ID10707179	LR798187	DKMS Life Sciences Lab., Dresden, Germany
B*55:01:01:02	DKMS-LSL_ID15450607, DKMS-LSL_ID15711839	LR798175, LR798176	DKMS Life Sciences Lab., Dresden, Germany
B*55:05	NT02466	MT662135	Prof Carolyn K Hurley, Washington DC, USA
B*56:01:01:06	111404387	MT776865	Dr Francesc Rudilla, Barcelona, Spain
B*56:03	NT02470	MT662139	Prof Carolyn K Hurley, Washington DC, USA
B*57:01:43	HG00013356	MF170490	Histogenetics, Ossining, USA
B*57:78	DKMS-LSL_ID10789728	LR798098	DKMS Life Sciences Lab., Dresden, Germany
C*01:02:43	D385917	MT542321	Prof Edward KL Yang, Hualien, Taiwan
C*01:02:67	HG00010863	KT600124	Histogenetics, Ossining, USA
C*02:02:02:20	AN300513	LR877881	Anthony Nolan Research Institute, London, United Kingdom
C*02:02:02:41	111360283	MT604101	Dr Francesc Rudilla, Barcelona, Spain
C*03:04:01:17	AN300514	LR877882	Anthony Nolan Research Institute, London, United Kingdom
C*03:04:01:20	AN300501	LR877869	Anthony Nolan Research Institute, London, United Kingdom
C*03:04:01:47	AN300507	LR877875	Anthony Nolan Research Institute, London, United Kingdom
C*03:04:37	D247106	MT829247	Prof Edward KL Yang, Hualien, Taiwan
C*03:514	HG00012139	KX173387	Histogenetics, Ossining, USA
C*04:01:01:87	111390166	MT776881	Dr Francesc Rudilla, Barcelona, Spain
C*04:03:01:01	BY01989	MN652656	Prof Carolyn K Hurley, Washington DC, USA
C*04:428Q	HG00027140	MT334847	Histogenetics, Ossining, USA
C*05:01:01:12	111354002	MT604096	Dr Francesc Rudilla, Barcelona, Spain
C*05:01:01:24	AN300503	LR877871	Anthony Nolan Research Institute, London, United Kingdom
C*05:01:49	HG00027112	MT268028	Histogenetics, Ossining, USA
C*05:44:02	DKMS-LSL_ID15139858	LR798172	DKMS Life Sciences Lab., Dresden, Germany
C*05:78:02	DKMS-LSL_ID10789940	LR798099	DKMS Life Sciences Lab., Dresden, Germany
C*06:02:01:19	AN300505, AN300512	LR877873, LR877880	Anthony Nolan Research Institute, London, United Kingdom
C*07:02:01:26	AN300509	LR877877	Anthony Nolan Research Institute, London, United Kingdom
C*07:02:01:52	HG00026644, HG00026678	MN867890, MN907061	Histogenetics, Ossining, USA
C*07:02:01:65	HG00026667	MN907049	Histogenetics, Ossining, USA
C*07:02:01:87	HG00026680	MN907063	Histogenetics, Ossining, USA
C*07:02:01:99	111435742	MT776888	Dr Francesc Rudilla, Barcelona, Spain
C*07:04:01:12	111413719	MT648407	Dr Francesc Rudilla, Barcelona, Spain
C*07:04:22	HG00010713	KT315605	Histogenetics, Ossining, USA
C*07:18:01:01	KW10706, KW10711, KW10713, KW10715	LR746167, LR746168, LR746169	Prof Edward KL Yang, Hualien, Taiwan
C*07:18:05	AN300502	LR877870	Anthony Nolan Research Institute, London, United Kingdom
C*07:314:02	DKMS-LSL_ID11581647	LR798122	DKMS Life Sciences Lab., Dresden, Germany
C*08:28	DKMS-LSL_ID10838209	LR798102	DKMS Life Sciences Lab., Dresden, Germany
C*12:02:29	DKMS-LSL_ID11394291	LR798118	DKMS Life Sciences Lab., Dresden, Germany
C*12:03:01:14	111404474	MT776867	Dr Francesc Rudilla, Barcelona, Spain
C*12:03:62	HG00011096, HG00011097, HG00011098	KT943438, KU095793, KT943439	Histogenetics, Ossining, USA
C*12:03:65	HG00012127	KX289903	Histogenetics, Ossining, USA
C*12:12	111359265	MT604099	Dr Francesc Rudilla, Barcelona, Spain
C*12:166	DKMS-LSL_ID12256047	LR813241	DKMS Life Sciences Lab., Dresden, Germany
C*12:306	111395806	MT776839	Dr Francesc Rudilla, Barcelona, Spain

<i>C*12:309</i>	DKMS-LSL_ID16118256	LR798180	DKMS Life Sciences Lab., Dresden, Germany
<i>C*14:02:32</i>	015851940	MT845373	Mrs Ornella Senoussi, La Tronche, France
<i>C*14:64</i>	DKMS-LSL_ID11780033	LR798123	DKMS Life Sciences Lab., Dresden, Germany
<i>C*15:02:01:09</i>	DKMS-LSL_ID16894568, DKMS-LSL_ID16918023	LR761796, LR761802	DKMS Life Sciences Lab., Dresden, Germany
<i>C*16:02:18</i>	HG00012122	KX425981	Histogenetics, Ossining, USA
<i>C*17:03:01:04</i>	HG00024477, HG00024492	MK954765, MK954780	Histogenetics, Ossining, USA
<i>C*17:03:03</i>	HG00011634	KU992501	Histogenetics, Ossining, USA
<i>E*01:03:05:01</i>	DKMS-LSL_ID17213757, DKMS-LSL_ID17358198	LR782127, LR782129	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:03:20</i>	DKMS-LSL_ID16866995	LR782126	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:03:25</i>	DKMS-LSL_ID17324331	LR782128	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:05:01</i>	DKMS-LSL_ID16015822	LR782124	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:10:01:02</i>	DKMS-LSL_ID15771046	LR782122	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:11</i>	DKMS-LSL_ID16923783	LR782131	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:54:01</i>	DKMS-LSL_ID15777271	LR782123	DKMS Life Sciences Lab., Dresden, Germany
<i>E*01:75</i>	DKMS-LSL_ID16053609	LR782125	DKMS Life Sciences Lab., Dresden, Germany
<i>F*01:01:02:08</i>	BARB1520, BARB1013	MT912499, MT912496	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:01:01:08</i>	BARB1528	MT889310	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:01:17</i>	BARB1260	MT889306	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:01:22:01</i>	BARB1522	MT889309	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:08:02</i>	BARB1260	MT889307	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>G*01:11</i>	BARB1018	MT889305	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>H*01:01:01:04</i>	BARB1527	MT896401	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>H*01:01:01:05</i>	BARB1519, BARCT82, BARP6267CT	MT896399	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>H*01:02:01:02</i>	BARB1521	MT896400	Mr Vinicius Stelet, Rio de Janeiro, Brazil
<i>J*01:01:01:01</i>	MOU	MT643020	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:02</i>	COX, DBB	MT643021, MT643022	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:04</i>	HOM-2, HHKB	MT643023, MT643024	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:05</i>	REM, JVM	MT643025, MT643026	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:06</i>	SSTO	MT643027	Ms Jessica Etccl, Fremantle, Australia
<i>J*01:01:01:08</i>	QBL, MGAR	MT643028, MT643029	Ms Jessica Etccl, Fremantle, Australia
<i>DRB1*01:01:01:01</i>	DKMS-LSL_ID16308245	LR828242	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:01:01:02</i>	AN300435	LR813367	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*01:01:02</i>	DKMS-LSL_ID15427592	LR828211	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:01:07</i>	DKMS-LSL_ID14962955	LR828209	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:02:01:02</i>	AN300373	LR813307	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*01:07</i>	DKMS-LSL_ID16279879	LR828238	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:82</i>	DKMS-LSL_ID15432386	LR828212	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*01:91Q</i>	AN00898	LR813263	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*03:01:01:03</i>	KIME, AN300406	LR813429, LR813338	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*03:18</i>	103513	MT890752	Dr Francisco de Paula Sanchez Gordo, Malaga, Spain
<i>DRB1*04:01:01:01</i>	SAVC, CML, DEU, BSM, DEM	LR813449, LR813401, LR813406, LR813395, LR813405	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*04:16</i>	BEL5GB	LR813391	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*07:01:01:02</i>	AN300430	LR813361	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*07:01:24</i>	HG00016332	MH173630	Histogenetics, Ossining, USA
<i>DRB1*07:01:25</i>	HG00027298	MT334859	Histogenetics, Ossining, USA
<i>DRB1*07:13</i>	448638	MT542320	Prof Edward KL Yang, Hualien, Taiwan
<i>DRB1*08:01:01</i>	BTB, MADURA	LR813396, LR813432	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*08:04:01</i>	DUG150	LR813411	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*10:01:01:03</i>	AN300362	LR813295	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*10:38Q</i>	scu20663	MN688229	Dr Francisco de Paula Sanchez Gordo, Malaga, Spain
<i>DRB1*13:05:01</i>	AN300378, AN300377	LR813312, LR813311	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:08</i>	THA	LR813452	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*13:36</i>	IND-1	LR813425	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*14:11</i>	MarMarg	LR813433	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:01:01:02</i>	DKMS-LSL_ID15919448	LR828225	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:01:01:03</i>	DKMS-LSL_ID15375641	LR828249	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:01:08</i>	DKMS-LSL_ID15919448	LR828226	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:01:17</i>	DKMS-LSL_ID15365053, DKMS-LSL_ID15433521	LR828210, LR828213	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:01:32</i>	DKMS-LSL_ID15807901, DKMS-LSL_ID15375641	LR828247, LR828246	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:02:01:03</i>	DKMS-LSL_ID16308245	LR828243	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:02:02:01</i>	THA	LR813453	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:02:05</i>	DKMS-LSL_ID15559674	LR828214	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:03:01:03</i>	DOP-ND, BJ, CC, ELON	LR813409, LR813392, LR813397, LR813413	Anthony Nolan Research Institute, London, United Kingdom
<i>DRB1*15:06:01</i>	DKMS-LSL_ID16271727, DKMS-LSL_ID16286955	LR828237, LR828239	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:07:01</i>	DKMS-LSL_ID15893426, DKMS-LSL_ID15642281	LR828220, LR828215	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*15:18</i>	DKMS-LSL_ID15915616	LR828224	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*16:05:01</i>	DKMS-LSL_ID16237081, DKMS-LSL_ID16306267	LR828236, LR828241	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB1*16:09:01</i>	DKMS-LSL_ID14616852	LR828208	DKMS Life Sciences Lab., Dresden, Germany
<i>DRB3*01:85</i>	HG00027321	MT267988	Histogenetics, Ossining, USA
<i>DRB3*02:02:09</i>	HG00026834	MN867864	Histogenetics, Ossining, USA
<i>DRB3*02:02:19</i>	HG00026836	MN867866	Histogenetics, Ossining, USA
<i>DRB3*02:131</i>	HG00026841	MT015565	Histogenetics, Ossining, USA
<i>DRB3*02:95N</i>	HG00025850	MN514215	Histogenetics, Ossining, USA
<i>DRB3*02:96</i>	scu17986, scu17290	MT552614, MT890750	Dr Francisco de Paula Sanchez Gordo, Malaga, Spain
<i>DRB4*01:01:04</i>	HG00014619, HG00014681, HG00014683, HG00015913,	MG756916, MG805477, MG805479, MH049651,	Histogenetics, Ossining, USA

	HG00015914, HG00016608, HG00018103, HG00018618, HG00022275, HG00022291	MH049652, MH215908, MH779169, MH924969, MK309092, MK442253	
<i>DRB4*01:121N</i>	HG00027349	MT268085	Histogenetics, Ossining, USA
<i>DRB4*01:60</i>	HG00026844	MN867802	Histogenetics, Ossining, USA
<i>DRB5*01:34</i>	HG00026848	MN867909	Histogenetics, Ossining, USA
<i>DRB5*01:38</i>	HG00026849	MN867910	Histogenetics, Ossining, USA
<i>DRB5*01:86</i>	HG00026847	MN840496	Histogenetics, Ossining, USA
<i>DRB5*02:22</i>	HG00021030	MK336316	Histogenetics, Ossining, USA
<i>DQA1*01:03:03</i>	111402360	MT776860	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*01:45</i>	111427372	MT681931	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*02:01:03</i>	111406213	MT776873	Dr Francesc Rudilla, Barcelona, Spain
<i>DQA1*05:10</i>	0201902966	MT847601	Mrs Silvia Ulrich, Graz, Austria
<i>DQB1*02:01:01:03</i>	AN300425	LR813356	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*02:02:05</i>	DKMS-LSL_ID11057870	LR812818	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:04</i>	DKMS-LSL_ID15050395, DKMS-LSL_ID15134647	LR777693, LR777695	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:10</i>	DKMS-LSL_ID16222211, DKMS-LSL_ID16223339	LR777796, LR777797	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:105</i>	DKMS-LSL_ID11516226	LR812831	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:122</i>	BY01682	MK755457	Prof Carolyn K Hurley, Washington DC, USA
<i>DQB1*02:142</i>	DKMS-LSL_ID11141802	LR812824	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*02:59</i>	DKMS-LSL_ID15800728, DKMS-LSL_ID15809275	LR777744, LR777746	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:01:01:04</i>	AN300379	LR813313	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*03:01:09</i>	DKMS-LSL_ID15922326, DKMS-LSL_ID16031318	LR777759, LR777775	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:01:49</i>	HG00016565	MH215959	Histogenetics, Ossining, USA
<i>DQB1*03:02:03</i>	DKMS-LSL_ID16118069	LR777788	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:02:32</i>	HG00018922	MK058571	Histogenetics, Ossining, USA
<i>DQB1*03:03:02:02</i>	AN300420, AN300421	LR813352, LR813353	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*03:03:03:01</i>	DKMS-LSL_ID16093778	LR777785	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:04:01:02</i>	DKMS-LSL_ID16098081	LR777787	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:05:03</i>	DKMS-LSL_ID15913179	LR777757	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:05:04</i>	DKMS-LSL_ID15974497, DKMS-LSL_ID16039119	LR777766, LR777779	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:09</i>	DKMS-LSL_ID16013829	LR777769	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:115</i>	DKMS-LSL_ID15352189, DKMS-LSL_ID15911306	LR777713, LR777756	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:187</i>	DKMS-LSL_ID11141800	LR812823	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:22:01:01</i>	DKMS-LSL_ID15691467	LR777730	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:29</i>	DKMS-LSL_ID14955876, DKMS-LSL_ID15428893	LR777691, LR777718	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:312</i>	DKMS-LSL_ID11114041	LR812821	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:363</i>	Isolate_270536	MT902144	Mrs Sureka Rajendran, Chennai, India
<i>DQB1*03:37</i>	DKMS-LSL_ID15975863	LR777767	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:42</i>	DKMS-LSL_ID15392973	LR777716	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:49:01:01</i>	DKMS-LSL_ID14451994	LR777679	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*03:68</i>	DKMS-LSL_ID10644634	LR812803	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:01:22</i>	DKMS-LSL_ID10714371	LR812810	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:02:01:04</i>	DKMS-LSL_ID15957070	LR777763	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:03:01:04</i>	NATL13	LC570033	Prof Takashi Shiina, Isehara, Japan
<i>DQB1*05:04</i>	DKMS-LSL_ID16312895	LR777802	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:08</i>	DKMS-LSL_ID14920116, DKMS-LSL_ID15791687	LR777690, LR777742	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:10</i>	DKMS-LSL_ID11083672	LR812819	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:108</i>	DKMS-LSL_ID10635403	LR812802	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:132Q</i>	DKMS-LSL_ID15763560, DKMS-LSL_ID15293719	LR777735	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:159</i>	DKMS-LSL_ID11401470	LR812839	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:160</i>	DKMS-LSL_ID11170365	LR812825	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:23</i>	DKMS-LSL_ID15686465, DKMS-LSL_ID15770641	LR777729, LR777736	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:27</i>	DKMS-LSL_ID15809206, DKMS-LSL_ID15945377	LR777745, LR777761	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:55</i>	DKMS-LSL_ID11398423	LR812826	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:69</i>	DKMS-LSL_ID10772135	LR812812	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:78</i>	DKMS-LSL_ID15695623, DKMS-LSL_ID15883476	LR777731, LR777754	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*05:84</i>	DKMS-LSL_ID15432311, DKMS-LSL_ID15909131, DKMS-LSL_ID10652886, DKMS-LSL_ID10931919	LR777719, LR777755, LR812805, LR812815	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:01:03</i>	DKMS-LSL_ID16097737, DKMS-LSL_ID16186802	LR777786, LR777792	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:01:05</i>	DKMS-LSL_ID15252426, DKMS-LSL_ID16092530	LR777704, LR777784	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:01:26</i>	HG00015899	MH049682	Histogenetics, Ossining, USA
<i>DQB1*06:02:01:04</i>	AN00752	LR813257	Anthony Nolan Research Institute, London, United Kingdom
<i>DQB1*06:02:02</i>	DKMS-LSL_ID16162358, DKMS-LSL_ID16221197	LR777790, LR777795	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:02:40</i>	DKMS-LSL_ID11437883	LR812833	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:02:43</i>	HG00010191	KP996260	Histogenetics, Ossining, USA
<i>DQB1*06:03:02</i>	DKMS-LSL_ID16036465	LR777778	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:04:15</i>	HG00013916, HG00014565	MG701618, MG756943	Histogenetics, Ossining, USA
<i>DQB1*06:103</i>	DKMS-LSL_ID10650362	LR812804	DKMS Life Sciences Lab., Dresden, Germany

<i>DQB1*06:110</i>	DKMS-LSL_ID15839239, DKMS-LSL_ID15926063	LR777750, LR777760	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:122</i>	SNUH-IMG-001	MT635442	Mrs So-Jung Choi, Seoul, South Korea
<i>DQB1*06:164</i>	DKMS-LSL_ID11577650	LR812827	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:171</i>	DKMS-LSL_ID11545115	LR812828	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:283</i>	111348917	MT604088	Dr Francesc Rudilla, Barcelona, Spain
<i>DQB1*06:306N</i>	DKMS-LSL_ID10632209	LR812801	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:39</i>	DKMS-LSL_ID16220041, DKMS-LSL_ID16256024	LR777794, LR777798	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:41:01:01</i>	DKMS-LSL_ID16219243	LR777793	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:75N</i>	DKMS-LSL_ID10661994	LR812806	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:88:01:01</i>	DKMS-LSL_ID15819467	LR777749	DKMS Life Sciences Lab., Dresden, Germany
<i>DQB1*06:88:01:02</i>	DKMS-LSL_ID11029756, DKMS-LSL_ID10720419	LR812817, LR812840	DKMS Life Sciences Lab., Dresden, Germany
<i>DPA1*02:01:01:13</i>	NATL23	LC570027	Prof Takashi Shiina, Isehara, Japan
<i>DPB1*02:01:02:15</i>	AN300426	LR813357	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:18</i>	DAUDI	LR813403	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:22</i>	AN300401, AN300419	LR813333, LR813351	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:02:26</i>	AN300402, AN300351, AN300336, AN300433, AN300434	LR813334, LR813284, LR813272, LR813364, LR813365	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*02:01:47</i>	HG00012731	KY099590	Histogenetics, Ossining, USA
<i>DPB1*02:01:57</i>	111412232	MT648404	Dr Francesc Rudilla, Barcelona, Spain
<i>DPB1*03:01:01:04</i>	AN300412, AN300365	LR813345, LR813298	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:16</i>	AN300437	LR813368	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:38</i>	AN300411	LR813342	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:01:41</i>	AN300367	LR813300	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:01:46</i>	DKMS-LSL_ID11511928	LR778223	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*04:02:01:04</i>	AN300410, AN300359	LR813341, LR813292	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*04:02:16</i>	HG00019360	MK144087	Histogenetics, Ossining, USA
<i>DPB1*05:01:01:05</i>	AN300390	LR813324	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*1044:01N</i>	HG00027184	MT239216	Histogenetics, Ossining, USA
<i>DPB1*104:01:01:05</i>	AN300398, AN300352, AN300370, AN300447, AN300372, AN300442	LR813331, LR813285, LR813303, LR813378, LR813306, LR813373	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*1052:01</i>	scu17830	MT701584	Dr Francisco de Paula Sanchez Gordo, Malaga, Spain
<i>DPB1*105:01:01:06</i>	NA01960	LR813439	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*107:01</i>	CHI007, T7526	LR813399, LR813450	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*1082:01</i>	HR-5270375	MT711288	Prof Renata Zunec, Zagreb, Croatia
<i>DPB1*1088:01</i>	HG00027183	MT210200	Histogenetics, Ossining, USA
<i>DPB1*1101:01</i>	5131867	MT625972	Dr Antonio Balas, Madrid, Spain
<i>DPB1*1109:01</i>	DKMS-LSL_ID15983022	LR778245	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*1119:01</i>	HG00013747, HG00019329	MG584129, MK144053	Histogenetics, Ossining, USA
<i>DPB1*13:01:01:04</i>	AN300393, AN300392, AN300368, AN300384, AN300360, AN300409, AN300418	LR813327, LR813326, LR813301, LR813318, LR813293, LR813340, LR813350	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*18:01:01:02</i>	NA14660	LR813440	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*27:01</i>	GRC-212	LR813419	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*665:01</i>	GU373	LR813420	Anthony Nolan Research Institute, London, United Kingdom
<i>DPB1*704:01</i>	DKMS-LSL_ID12289308, DKMS-LSL_ID15321609	LR778226, LR778242	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*784:01</i>	DKMS-LSL_ID11729560, DKMS-LSL_ID13652795	LR778225, LR778231	DKMS Life Sciences Lab., Dresden, Germany
<i>DPB1*935:01Q</i>	HG00018691	MK005666	Histogenetics, Ossining, USA
<i>MICA*007:03</i>	DKMS-LSL_ID17239483	LR730411	DKMS Life Sciences Lab., Dresden, Germany
<i>MICA*009:01:03</i>	DKMS-LSL_ID17361135	LR596384	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:15</i>	DKMS-LSL_ID16059782	LR700886	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:17</i>	DKMS-LSL_ID16902715, DKMS-LSL_ID16812694, DKMS-LSL_ID17428862	LR700910, LR701016, LR701070	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*002:01:18</i>	DKMS-LSL_ID16917492	LR700914	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*004:01:01</i>	DKMS-LSL_ID17424261	LR701077	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:01:01</i>	DKMS-LSL_ID17427569	LR701128	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:06</i>	DKMS-LSL_ID16863322, DKMS-LSL_ID16938459, DKMS-LSL_ID16557660, DKMS-LSL_ID17422205, DKMS-LSL_ID17423300	LR700897, LR700927, LR701014, LR701104, LR701044	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:09</i>	DKMS-LSL_ID17355480	LR701022	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:02:12</i>	DKMS-LSL_ID17423744	LR701117	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:03:01</i>	DKMS-LSL_ID17428919	LR701140	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*005:03:03</i>	DKMS-LSL_ID17428047	LR701136	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*009:01:01N</i>	DKMS-LSL_ID16084330	LR701010	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*021:01:02N</i>	DKMS-LSL_ID16938154, DKMS-LSL_ID16957423, DKMS-LSL_ID16949993	LR700926, LR700940, LR700935	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*025:01:03</i>	DKMS-LSL_ID16933265	LR700923	DKMS Life Sciences Lab., Dresden, Germany
<i>MICB*028</i>	DKMS-LSL_ID15930952	LR701079	DKMS Life Sciences Lab., Dresden, Germany

Table 3: Recently Published Sequences

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<i>MICA*002:01:07</i>	[105]
<i>MICA*002:01:10</i>	[105]
<i>MICA*004:01:03</i>	[105]
<i>MICA*004:01:07</i>	[105]
<i>MICA*004:01:08</i>	[105]
<i>MICA*007:01:05</i>	[105]
<i>MICA*007:01:06</i>	[105]
<i>MICA*007:07</i>	[105]
<i>MICA*008:01:03</i>	[105]

<i>MICA*008:01:04</i>	[105]
<i>MICA*008:01:08</i>	[105]
<i>MICA*008:01:09</i>	[105]
<i>MICA*008:04:02</i>	[105]
<i>MICA*008:04:05</i>	[105]
<i>MICA*008:13</i>	[105]
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<i>MICA*009:01:06</i>	[105]
<i>MICA*009:02:01</i>	[105]
<i>MICA*010:01:05</i>	[105]
<i>MICA*011:01:01</i>	[105]
<i>MICA*012:01:02</i>	[105]
<i>MICA*012:01:03</i>	[105]
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<i>MICA*019:01:01</i>	[105]
<i>MICA*033</i>	[105]
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<i>MICA*045:01:01</i>	[105]
<i>MICA*049:01:01</i>	[105]
<i>MICA*067</i>	[106]
<i>MICA*068:01:01</i>	[105]
<i>MICA*110</i>	[105]

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Address for correspondence:

Professor Steven GE Marsh
 Anthony Nolan Research Institute
 Royal Free Hospital
 Pond Street
 London NW3 2QG
 United Kingdom

Tel. +44 20 7284-8321

Fax +44 20 7284-8331

email: steven.marsh@ucl.ac.uk

web: hla.alleles.org

www.anthonynolan.org/hig

www.ebi.ac.uk/ipd/imgt/hla