HLA Rare Allele List Changes
Changes Occuring Between IMGT Releases 2.20.0 and 2.22.0

Allele	Reason for Change
A*0234	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
A*0243N	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*0313	Corrected since the last publication. Moved from Rare to Zero category.
A*0320	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*0321N	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*1114	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*1125	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*1127	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*1133	New Rare allele since the last publication, with no observed count.
A*1134	New Rare allele since the last publication, with no observed count.
A*1135	New Rare allele since the last publication, with no observed count.
A*1136	New Rare allele since the last publication, with no observed count.
A*2313	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*2318	New Rare allele since the last publication, with no observed count.
A*2424	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*2446	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*2453	Moved off of the list due to additional observations.
A*2471	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*2485	New Rare allele since the last publication, with no observed count.
A*2486N	New Rare allele since the last publication, with no observed count.
A*2487	New Rare allele since the last publication, with no observed count.
A*2488	New Rare allele since the last publication, with no observed count.
A*2489	New Rare allele since the last publication, with no observed count.
A*2490N	New Rare allele since the last publication, with no observed count.
A*2491	New Rare allele since the last publication, with no observed count.
A*2616	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
A*2636	New Rare allele since the last publication, with no observed count.
A*2637	New Rare allele since the last publication, with no observed count.
A*3015	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*3020	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*3025	New Rare allele since the last publication, with no observed count.
A*3122	New Rare allele since the last publication, with no observed count.
A*3216	New Rare allele since the last publication, with no observed count.
A*3314	New Rare allele since the last publication, with no observed count.
A*3315	New Rare allele since the last publication, with no observed count.

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Allele	Reason for Change
A*3316	New Rare allele since the last publication, with no observed count.
A*3317	New Rare allele since the last publication, with no observed count.
A*3318	New Rare allele since the last publication, with no observed count.
A*3319	New Rare allele since the last publication, with no observed count.
A*3404	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*6842	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*6843	New Rare allele since the last publication, with no observed count.
A*7402	Moved off of the list due to additional observations.
A*9221	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*9236	Observed for the first time since the last publication. Moved from Zero to Rare category.
A*9238	New Rare allele since the last publication, with no observed count.
A*9239	New Rare allele since the last publication, with no observed count.
A*9240	New Rare allele since the last publication, with no observed count.
A*9241	New Rare allele since the last publication, with no observed count.
A*9242	New Rare allele since the last publication, with no observed count.
A*9243	New Rare allele since the last publication, with no observed count.
A*9244	New Rare allele since the last publication, with no observed count.
A*9245	New Rare allele since the last publication, with no observed count.
A*9246	New Rare allele since the last publication, with no observed count.
A*9247	New Rare allele since the last publication, with no observed count.
A*9248	New Rare allele since the last publication, with no observed count.
B*0743	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*0747	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*0763	New Rare allele since the last publication, with no observed count.
B*0764	New Rare allele with observed counts since the last publication.
B*0765	New Rare allele since the last publication, with no observed count.
B*0766	New Rare allele since the last publication, with no observed count.
B*0833	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*0835	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*0836	New Rare allele with observed counts since the last publication.
B*1317	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*1322	New Rare allele since the last publication, with no observed count.
B*1408	New Rare allele with observed counts since the last publication.
B*1409	New Rare allele since the last publication, with no observed count.
B*1567	Observed for the first time since the last publication. Moved from Zero to Rare category.

HLA Rare Allele List Changes
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Allele	Reason for Change
B*1585	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*1594N	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*1595	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*1814	Moved off of the list due to additional observations.
B*1818	Moved off of the list due to additional observations.
B*1822	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*1829	New Rare allele with observed counts since the last publication.
B*2730	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*2735	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*2740	New Rare allele since the last publication, with no observed count.
B*2741	New Rare allele with observed counts since the last publication.
B*2742	New Rare allele with observed counts since the last publication.
B*2743	New Rare allele since the last publication, with no observed count.
B*3532	Moved off of the list due to additional observations.
B*3542	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3546	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3557	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3576	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3577	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3580	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3586	New Rare allele since the last publication, with no observed count.
B*3587	New Rare allele since the last publication, with no observed count.
B*3588	New Rare allele since the last publication, with no observed count.
B*3590	New Rare allele since the last publication, with no observed count.
B*3591	New Rare allele since the last publication, with no observed count.
B*3592	New Rare allele since the last publication, with no observed count.
B*3593	New Rare allele since the last publication, with no observed count.
B*3594	New Rare allele since the last publication, with no observed count.
B*3714	New Rare allele since the last publication, with no observed count.
B*3925N	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3930	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*3931	Moved off of the list due to additional observations.
B*3944	New Rare allele since the last publication, with no observed count.
B*3945	New Rare allele since the last publication, with no observed count.
B*4015	Observed for the first time since the last publication. Moved from Zero to Rare category.

HLA Rare Allele List Changes
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Allele	Reason for Change
B*4051	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4064	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4076	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4080	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4081	New Rare allele since the last publication, with no observed count.
B*4082	New Rare allele since the last publication, with no observed count.
B*4083	New Rare allele since the last publication, with no observed count.
B*4084	New Rare allele since the last publication, with no observed count.
B*4085	New Rare allele since the last publication, with no observed count.
B*4086	New Rare allele since the last publication, with no observed count.
B*4087	New Rare allele with observed counts since the last publication.
B*4088	New Rare allele since the last publication, with no observed count.
B*4089	New Rare allele since the last publication, with no observed count.
B*4090	New Rare allele since the last publication, with no observed count.
B*4091	New Rare allele since the last publication, with no observed count.
B*4092	New Rare allele since the last publication, with no observed count.
B*4209	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4444	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4447	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4448	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4450	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4460	New Rare allele with observed counts since the last publication.
B*4461N	New Rare allele since the last publication, with no observed count.
B*4462	New Rare allele since the last publication, with no observed count.
B*4463	New Rare allele since the last publication, with no observed count.
B*4464	New Rare allele since the last publication, with no observed count.
B*4507	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4508	New Rare allele with observed counts since the last publication.
B*4509	New Rare allele since the last publication, with no observed count.
B*4608	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*4613	New Rare allele since the last publication, with no observed count.
B*4614	New Rare allele since the last publication, with no observed count.
B*4615N	New Rare allele since the last publication, with no observed count.
B*4616	New Rare allele since the last publication, with no observed count.
B*4702	Moved off of the list due to additional observations.

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Allele	Reason for Change
B*4704	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5111N	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5135	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5140	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5151	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5153	New Rare allele with observed counts since the last publication.
B*5154	New Rare allele with observed counts since the last publication.
B*5155	New Rare allele with observed counts since the last publication.
B*5156	New Rare allele since the last publication, with no observed count.
B*5157	New Rare allele since the last publication, with no observed count.
B*5205	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5206	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5211	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5212	New Rare allele since the last publication, with no observed count.
B*5213	New Rare allele since the last publication, with no observed count.
B*5214	New Rare allele since the last publication, with no observed count.
B*5302	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
B*5307	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5312	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5315	New Rare allele with observed counts since the last publication.
B*5316	New Rare allele with observed counts since the last publication.
B*5414	New Rare allele since the last publication, with no observed count.
B*5415	New Rare allele since the last publication, with no observed count.
B*5509	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5521	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5530	New Rare allele since the last publication, with no observed count.
B*5531	New Rare allele since the last publication, with no observed count.
B*5532	New Rare allele since the last publication, with no observed count.
B*5622	New Rare allele with observed counts since the last publication.
B*5623	New Rare allele with observed counts since the last publication.
B*5708	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5714	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5715	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*5717	New Rare allele since the last publication, with no observed count.
B*5817N	New Rare allele with observed counts since the last publication.

HLA Rare Allele List Changes
Changes Occuring Between IMGT Releases 2.20.0 and 2.22.0

Allele	Reason for Change
B*5818	New Rare allele since the last publication, with no observed count.
B*5819	New Rare allele since the last publication, with no observed count.
B*5903	New Rare allele since the last publication, with no observed count.
B*7806	New Rare allele since the last publication, with no observed count.
B*8104N	New Rare allele with observed counts since the last publication.
B*9503	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*9506	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*9509	Observed for the first time since the last publication. Moved from Zero to Rare category.
B*9540	New Rare allele since the last publication, with no observed count.
B*9541	New Rare allele with observed counts since the last publication.
B*9542	New Rare allele with observed counts since the last publication.
B*9543	New Rare allele with observed counts since the last publication.
B*9544	New Rare allele since the last publication, with no observed count.
B*9545	New Rare allele with observed counts since the last publication.
B*9546	New Rare allele since the last publication, with no observed count.
B*9547	New Rare allele since the last publication, with no observed count.
B*9548	New Rare allele since the last publication, with no observed count.
B*9549N	New Rare allele since the last publication, with no observed count.
Cw*0113	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0120	New Rare allele since the last publication, with no observed count.
Cw*0121	New Rare allele since the last publication, with no observed count.
Cw*0122	New Rare allele since the last publication, with no observed count.
Cw*0216	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0219	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0221	New Rare allele since the last publication, with no observed count.
Cw*0222	New Rare allele since the last publication, with no observed count.
Cw*0317	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
Cw*0319	Moved off of the list due to additional observations.
Cw*0330	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0347	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0348	New Rare allele since the last publication, with no observed count.
Cw*0349	New Rare allele since the last publication, with no observed count.
Cw*0350	New Rare allele since the last publication, with no observed count.
Cw*0418	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0429	Observed for the first time since the last publication. Moved from Zero to Rare category.

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Allele	Reason for Change
Cw*0432	New Rare allele since the last publication, with no observed count.
Cw*0433	New Rare allele since the last publication, with no observed count.
Cw*0434	New Rare allele since the last publication, with no observed count.
Cw*0510	Moved off of the list due to additional observations.
Cw*0511	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0518	New Rare allele since the last publication, with no observed count.
Cw*0519	New Rare allele since the last publication, with no observed count.
Cw*0612	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0617	New Rare allele since the last publication, with no observed count.
Cw*0709	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
Cw*0711	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0724	Moved from common to the Rare category. Caused by an increase in total typings but no (or relatively fewer) observations of the specific allele.
Cw*0738	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0751	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0754	New Rare allele since the last publication, with no observed count.
Cw*0755N	New Rare allele since the last publication, with no observed count.
Cw*0756	New Rare allele since the last publication, with no observed count.
Cw*0757	New Rare allele since the last publication, with no observed count.
Cw*0808	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*0816	New Rare allele since the last publication, with no observed count.
Cw*1213	Moved off of the list due to additional observations.
Cw*1610	Observed for the first time since the last publication. Moved from Zero to Rare category.
Cw*1611	New Rare allele since the last publication, with no observed count.
DRB1*0113	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*0120	New Rare allele since the last publication, with no observed count.
DRB1*0340	New Rare allele since the last publication, with no observed count.
DRB1*0435	Moved off of the list due to additional observations.
DRB1*0440	Moved off of the list due to additional observations.
DRB1*0441	Moved off of the list due to additional observations.
DRB1*0474	New Rare allele since the last publication, with no observed count.
DRB1*0475	New Rare allele since the last publication, with no observed count.
DRB1*0476	New Rare allele since the last publication, with no observed count.
DRB1*0477	New Rare allele since the last publication, with no observed count.
DRB1*0709	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*0835	New Rare allele since the last publication, with no observed count.

HLA Rare Allele List Changes
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Allele	Reason for Change
DRB1*0907	New Rare allele since the last publication, with no observed count.
DRB1*1003	New Rare allele since the last publication, with no observed count.
DRB1*1144	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1156	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1157	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1162	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1166	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1168	New Rare allele since the last publication, with no observed count.
DRB1*1169	New Rare allele since the last publication, with no observed count.
DRB1*1211	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1330	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1334	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1360	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1368	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1379	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1382	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1383	New Rare allele since the last publication, with no observed count.
DRB1*1384	New Rare allele since the last publication, with no observed count.
DRB1*1385	New Rare allele since the last publication, with no observed count.
DRB1*1386	New Rare allele since the last publication, with no observed count.
DRB1*1450	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1476	New Rare allele since the last publication, with no observed count.
DRB1*1477	New Rare allele since the last publication, with no observed count.
DRB1*1478	New Rare allele since the last publication, with no observed count.
DRB1*1479	New Rare allele since the last publication, with no observed count.
DRB1*1480	New Rare allele since the last publication, with no observed count.
DRB1*1481	New Rare allele since the last publication, with no observed count.
DRB1*1514	Moved off of the list due to additional observations.
DRB1*1518	Observed for the first time since the last publication. Moved from Zero to Rare category.
DRB1*1528	New Rare allele since the last publication, with no observed count.
DRB1*1529	New Rare allele since the last publication, with no observed count.
DRB1*1530	New Rare allele since the last publication, with no observed count.
DRB1*1531	New Rare allele since the last publication, with no observed count.