

Frq.	Allel / Allele	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
	A*02:741/815(A2)																									
	A*02:78(A2)		#																							
	A*02:829(A2)																									
x	A*03:01:01:01/02:01/05:01(A3)																									
	A*03:01:01:02N(NuII)/01:01:03/01:01:04/01:01:05/01:01:06/01:01:07/01:01:08/01:01:09/01:01:10/01:01:11/01:01:12/01:01:13/01:01:14/01:01:15/01:01:16/01:01:17/01:01:18/01:01:19/01:01:20/01:01:21/01:01:22/01:01:23/01:01:24/01:01:25/01:01:26/01:01:27/01:01:28/01:01:30/01:01:31/01:01:32/01:01:33/01:01:34/01:01:35/01:01:36/01:01:37/01:01:38/01:01:39/01:01:40/01:01:41/01:01:42/01:01:43/01:01:44/01:01:45/01:01:46/01:01:47/01:01:48/01:01:49/01:01:50/01:01:51/01:01:52/01:01:53/01:01:54/01:01:55/01:01:56/01:01:57/01:01:58/01:01:59/01:01:60/01:01:61/01:01:62/01:01:63/01:01:64/01:01:65/01:01:66/01:01:67/01:01:68/01:01:69/01:01:70/01:01:71/01:01:72/01:01:73/01:01:74/01:01:75/01:01:76/01:01:77/01:01:78/01:01:79/01:01:80/01:01:81/01:01:82/01:01:83/01:01:84/01:01:85/01:01:86/01:01:87/01:01:88/01:01:89/01:01:90/01:01:91/01:01:92/01:01:93/01:01:94/02:02/02:03/02:04/02:05(A3)/03N(NuII)/04:01/04:02/04:03/05:02/06/07:01:01/07:01:02/07:02/08:01:01/08:01:02/09/10/100/101/102/103:01/104/105/106/108/110/111/112/113/114/115/116/117/118/119(A3)/11N(NuII)/120/121/122/123:01/123:02/124/125/126/127/128(A3)/129N(NuII)/13/130/131/132/133/134/135/136/137/138/139/14/140/141/142/143/144/145:01/145:02/146/147/148/149/15/150/151/153/154:01/154:02/155/156/157:01/157:02/158/159/16/160(A3)/161N/162N(NuII)/163/164/165/166/167(A3)/168N(NuII)/169/17:01/17:02/170/172/174/175/176/177(A3)/178N(NuII)/179/180/181/182/183/184/185/188/189/19/190/191(A3)/192N(NuII)/193/195/196(A3)/197:01N/197:02N(NuII)/198/199/20/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218(A3)/21N(NuII)/22:01/22:02/220/221/222/223/224/225/226/227/228/229/23:01/23:02/230/231:01/231:02/232/233(A3)/234Q(NuII)/A3/235/236/237/238/239/24/240/241/242/243/244/245/246/247/248/249/25/250/251/252/253/254/255/256/257/258/259/26/261(A3)/262N(NuII)/263/264/265(A3)/266N(NuII)/268(A3)/269N(NuII)/27/270/272/274(A3)/275N(NuII)/276/277/278(A3)/279N(NuII)/28/280:01/280:02/281/282(A3)/283N/284N(NuII)/285(A3)/286N(NuII)/287/288/289:01/289:02/29/290/291/292/293/294/295/296(A3)/297N(NuII)/298/299/30/300/301/302/303/304/305/306/307/308/309/31/310/311/312/313/314/315/316/317/318/319/32/320/321/322(A3)/323N(NuII)/324/325/326/327/328(A3)/329N(NuII)/33(A3)/330N(NuII)/331/332/333(A3)/334N/335N/336N/337N(NuII)/338/339/34/340/341(A3)/342N(NuII)/343/344/345:01:01/345:01:02/346/347/348/349/35/350/351/352/353/354/355/356(A3)/357N(NuII)/358/359/360/361/362/363(A3)/364N(NuII)/365/366/367/368/369(A3)/36N(NuII)/37/370/371/372(A3)/374N(NuII)/375/376/377/378/379/38/380(A3)/381N(NuII)/383/384/385/386/387(A3)/388Q(NuII)/A3/389/39/390/391/392/393/394/395/396/397/40/42/44:01/44:02/45/46/47/48/49/50/51:01/51:02/52/53/54/55/56/58/59/60/61/62:01:01/62:01:02/63/64/65/66/67(A3)/68N/69N(NuII)/70/71/72/73/74/75/76/77/78/79/80/81/83/84/85/86/87/89:02/90(A3)/91N(NuII)/92/93/94/95/96/97/98/99(A3)																									
	A*03:01:01:21/01:01:28/01:08/107/109/152/173/219/267/273/382/398/41/57(A3)																									
	A*03:01:19/103:02(A3)																									
	A*03:01:39(A3)																									
	A*03:12(A3)																									
	A*03:171/271/373(A3)																									
	A*03:18(A3)																									
	A*03:186/43/82(A3)																									
	A*03:187(A3)																									
	A*03:208(A3)																									
	A*03:24(A3)																									
	A*03:88(A3)																									
	A*03:89:01(A3)																									
x	A*11:01:01:01/02:01:03/04(A11)																									
	A*11:01:01:02/01:01:03/01:01:04/01:01:05/01:01:06/01:01:07/01:01:08/01:01:09/01:01:10/01:01:11/01:01:12/01:01:13/01:01:14/01:01:15/01:01:16/01:01:17/01:01:18/01:01:19/01:01:20/01:01:21/01:01:22/01:01:23/01:01:24/01:01:25/01:01:26/01:01:27/01:01:28/01:01:29/01:01:30/01:01:31/01:01:32/01:01:33/01:01:34/01:01:35/01:01:36/01:01:37/01:01:38/01:01:39/01:01:40/01:01:41/01:01:42/01:01:43/01:01:44/01:01:45/01:01:46/01:01:47/01:01:48/01:01:49/01:01:50/01:01:51/01:01:52/01:01:53/01:01:54/01:01:55/01:01:56/01:01:57/01:01:58/01:01:59/01:01:60/01:01:61/01:01:62/01:01:63/01:01:64/01:01:65/01:01:66/01:01:67/01:01:68/01:01:69/01:01:70/01:01:71/01:01:72/01:01:73/01:01:74/01:01:75/01:01:76/01:01:77/01:01:78/01:01:79/01:01:80/01:01:81/01:01:82/01:01:83/01:01:84/01:01:85/01:01:86/01:01:87/01:01:88/01:01:89/01:01:90/01:01:91/01:01:92/01:01:93/01:01:94/01:01:95/01:01:96/01:01:97/01:01:98/01:01:99/02:02/02:03/02:04/02:05/02:06/05/06/07/08/09/100/101/102/103/104/105/107/108(A11)/109N(NuII)/110/111/112/114(A11)/115N(NuII)/116/117/118/119:01/119:02/12:01/12:02/120/122/123/124/125/126:01:01/126:01:02(A11)/127N(NuII)/128/129/13/130/131/132/133/134/135/136(A11)/137:01N/137:02N(NuII)/138/139/14/140/141/142/143/144/145/146/147/148/149/15:01/15:02/150/151/152/153:01/153:02/154/155/157/159/16/160/161/163/164/165/166/167/168/169(A11)/170Q(NuII)/A11/171/172/173/174/175/176/177/179(A11)/180N(NuII)/181(A11)/182Q(NuII)/A11/183/184/185/186/187/189/189/190/191/192/193/194/195/196/197/198/20/200/201/202/203/204/205/206/207(A11)/208N(NuII)/209(A11)/210N(NuII)/211/212/213/214(A11)/215N(NuII)/216/217/218/219(A11)/21N(NuII)/22/220/221/223/224/225/227/228/229/23/230/231/232/233/234(A11)/235Q(NuII)/A11/236/237(A11)/238N(NuII)/239/24:01/24:02/240/241/242/243/244/245/246/247/248/249/25:01/25:02(A11)/251N(NuII)/252/253/254/255(A11)/256Q(NuII)/A11/257/258/259/26/260/261/262/263/264/265/266/267/268/269/27/270(A11)/272Q(NuII)/A11/273/274/275/276/277/278/279/280/281/282/283/284/285/286(A11)/287N(NuII)/288/289/29/290/291/292/293/294/295/296/297/298/299/30/300/301/302:01/302:02/303/304/305/306/307/309/31(A11)/310N(NuII)/311(A11)/313Q(NuII)/A11/314/315/316/317/318/319/32:01/32:02/320/321/322/323/324/325/327/328/329/33:01/33:02/330/331/332/333/334/335/336/337/338/339/34(A11)/340N(NuII)/341/342/343/344/345/346(A11)/347N(NuII)/348/349/35/350(A11)/351Q(NuII)/A11/352/353/354/355:01/355:02/356/357/358/36/360/361/362/363/364(A11)/365N(NuII)/366/367/368/369/37/370/371/373/374(A11)/375Q(NuII)/A11/376/377/378/379/38/380/381(A11)/382N(NuII)/39/41/42/44/45/46/47/48/49(A11)/50Q(NuII)/A11/51(A11)/52Q(NuII)/A11/54:01/54:02/55/56/58/59/60/61/62/63/64/65/66/67/68(A11)/69N(NuII)/70:01/70:02/71/72/73/75/76/77/79/80/81/82/83/84/85/86/87/89/90/91:01/91:02/92/93/94/95/96/97(A11)/99N(NuII)																									
	A*11:01:01:03/01:01:08(A11)																									
	A*11:01:105/199:01/199:02/199:03/222/43/74/88(A11)																									
	A*11:10(A11)																									
	A*11:106/121/17/178/18/19/190/223/250/308/312/40(A11)/78N(NuII)/98(A11)																									
	A*11:11(A11)																									
	A*11:113/162(A11)																									
	A*11:155/226(A11)																									
	A*11:158/359/57(A11)																									
	A*11:271(A11)																									
	A*11:328(A11)																									
	A*11:372(A11)																									
	A*11:90(A11)																									
x	A*23:01:01:01(A23)																									
	A*23:01:01:02/01:01:03/01:01:04/01:01:05/01:01:06/01:01:07/01:01:08/01:01:09/01:01:10/01:01:11/01:01:12/01:01:13/01:01:14/01:01:15/01:01:16/01:01:17/01:01:18/01:01:19/01:02/01:03/01:04/01:05/01:06/01:07/01:08/01:09/01:10/01:11/01:12/01:13/01:14/01:15/01:16/01:17/01:18/01:19/01:20/01:21/01:22/01:23/01:24/01:25/01:26/01:27/01:28/01:29/01:30/01:31/01:32/02/03:02:01/03:02:02/04/05/06(A23)/07N/08N(NuII)/09/10/100/101/102(A23)/103N(NuII)/105(A23)/106N(NuII)/107Q(NuII)/A23/108N(NuII)/109(A23)/11N(NuII)/12/13/14:01/14:02/15/16/17:01:01/17:01:02/17:01:03/17:02/18(A23)/19N(NuII)/20/21/22/23/24/25/26/27/28/29/30/31/32/33/35/37:01/37:02(A23)/38N(NuII)/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/58/59/60/61/62/63/64/65/67/70/71/72/73/74/75/76/77/78/79/80/81/82(A23)/84N(NuII)/85/86/87/88/89/90(A23)/91N(NuII)/92/93/94/95/96/97/98/99(A23)																									
	A*23:01:01:03/104/105/34(A23)																									
	A*23:03:01/83(A23)																									
	A*23:36(A23)																									
	A*23:57/66(A23)																									

Frq.	Allel / Allele	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
x	A*66:02(A66)																								
x	A*66:03:01:01(A10)																								
	A*66:03:01:02/ 03:01:03(A10)/ 28N/ 39N(Null)																								
	A*66:05(A26)/ 15(A66)																								
	A*66:09(A66)																								
	A*66:16/ 21/ 25(A66)/ 26G(Null/ A66)/ 34/ 40/ 43(A66)																								
x	A*68:01:01:01/ 02:01:01(A68)																								
	A*68:01:01:02/ 01:01:03/ 01:01:04/ 01:01:05/ 01:01:06/ 01:01:07/ 01:01:08/ 01:01:09/ 01:01:10/ 01:01:11/ 01:01:12/ 01:01:13/ 01:01:14/ 01:01:15/ 01:01:16/ 01:01:17/ 01:01:18/ 01:01:19/ 01:01:20/ 01:01:21/ 01:01:22/ 01:01:23/ 01:01:24/ 01:01:25/ 01:01:26/ 01:01:27/ 01:01:28/ 01:01:29/ 01:01:30/ 01:01:31/ 01:01:32/ 01:01:33/ 01:01:34/ 01:01:35/ 01:01:36/ 01:01:37/ 01:01:38/ 01:01:39/ 01:01:40/ 01:01:41/ 01:01:42/ 01:01:43/ 01:01:44/ 01:01:45/ 01:01:46/ 01:01:47/ 01:01:48/ 01:01:49/ 01:01:50/ 01:01:51/ 01:01:52/ 01:01:53/ 01:01:54/ 01:01:55/ 03:01:02/ 03:01:03/ 03:01:04/ 03:01:05/ 03:01:06/ 03:01:07/ 03:01:08/ 03:01:09/ 03:01:10/ 03:01:11/ 03:01:12/ 03:01:13/ 03:01:14/ 03:01:15/ 03:01:16/ 03:01:17/ 03:01:18/ 03:01:19/ 03:01:20/ 03:01:21/ 03:01:22/ 03:01:23/ 03:01:24/ 03:01:25/ 03:01:26/ 03:01:27/ 03:01:28/ 03:01:29/ 03:01:30/ 03:01:31/ 03:01:32/ 03:01:33/ 03:01:34/ 03:01:35/ 03:01:36/ 03:01:37/ 03:01:38/ 03:01:39/ 03:01:40/ 03:01:41/ 03:01:42/ 03:01:43/ 03:01:44/ 03:01:45/ 03:01:46/ 03:01:47/ 03:01:48/ 03:01:49/ 03:01:50/ 03:01:51/ 03:01:52/ 03:01:53/ 03:01:54/ 03:01:55/ 03:01:56/ 03:01:57/ 03:01:58/ 03:01:59/ 03:01:60/ 03:01:61/ 03:01:62/ 03:01:63/ 03:01:64/ 03:01:65/ 03:01:66/ 03:01:67/ 03:01:68/ 03:01:69/ 03:01:70/ 03:01:71/ 03:01:72/ 03:01:73/ 03:01:74/ 03:01:75/ 03:01:76/ 03:01:77/ 03:01:78/ 03:01:79/ 03:01:80/ 03:01:81/ 03:01:82/ 03:01:83/ 03:01:84/ 03:01:85/ 03:01:86/ 03:01:87/ 03:01:88/ 03:01:89/ 03:01:90/ 03:01:91/ 03:01:92/ 03:01:93/ 03:01:94/ 03:01:95/ 03:01:96/ 03:01:97/ 03:01:98/ 03:01:99/ 03:01:100																								
x	A*68:01:02:01/ 03:01:01/ 04:01(A68)																								
	A*68:01:02:02/ 01:02:03/ 01:02:04/ 01:02:05/ 01:02:06/ 01:02:07/ 01:02:08/ 01:02:09/ 01:02:10/ 01:02:11/ 01:02:12/ 01:02:13/ 01:02:14/ 01:02:15/ 01:02:16/ 01:02:17/ 01:02:18/ 01:02:19/ 01:02:20/ 01:02:21/ 01:02:22/ 01:02:23/ 01:06/ 01:13/ 01:15/ 01:16/ 01:17/ 01:21/ 01:22/ 01:23/ 01:24/ 01:25/ 01:26/ 01:27/ 01:28/ 01:29/ 01:30/ 01:31/ 01:33/ 01:34/ 01:37/ 01:39/ 01:40/ 01:41/ 01:42/ 01:43/ 01:44/ 01:46/ 01:47/ 01:48/ 01:49/ 01:50/ 01:52/ 01:53/ 01:54/ 01:55/ 03:01:02/ 03:01:03/ 03:01:04/ 03:01:05/ 03:01:06/ 03:01:07/ 03:01:08/ 03:01:09/ 03:01:10/ 03:01:11/ 03:01:12/ 03:01:13/ 03:01:14/ 03:01:15/ 03:01:16/ 03:01:17/ 03:01:18/ 03:01:19/ 03:01:20/ 03:01:21/ 03:01:22/ 03:01:23/ 03:01:24/ 03:01:25/ 03:01:26/ 03:01:27/ 03:01:28/ 03:01:29/ 03:01:30/ 03:01:31/ 03:01:32/ 03:01:33/ 03:01:34/ 03:01:35/ 03:01:36/ 03:01:37/ 03:01:38/ 03:01:39/ 03:01:40/ 03:01:41/ 03:01:42/ 03:01:43/ 03:01:44/ 03:01:45/ 03:01:46/ 03:01:47/ 03:01:48/ 03:01:49/ 03:01:50/ 03:01:51/ 03:01:52/ 03:01:53/ 03:01:54/ 03:01:55/ 03:01:56/ 03:01:57/ 03:01:58/ 03:01:59/ 03:01:60/ 03:01:61/ 03:01:62/ 03:01:63/ 03:01:64/ 03:01:65/ 03:01:66/ 03:01:67/ 03:01:68/ 03:01:69/ 03:01:70/ 03:01:71/ 03:01:72/ 03:01:73/ 03:01:74/ 03:01:75/ 03:01:76/ 03:01:77/ 03:01:78/ 03:01:79/ 03:01:80/ 03:01:81/ 03:01:82/ 03:01:83/ 03:01:84/ 03:01:85/ 03:01:86/ 03:01:87/ 03:01:88/ 03:01:89/ 03:01:90/ 03:01:91/ 03:01:92/ 03:01:93/ 03:01:94/ 03:01:95/ 03:01:96/ 03:01:97/ 03:01:98/ 03:01:99/ 03:01:100																								
	A*68:01:28(A68)																								
	A*68:01:36/ 130:02(A68)																								
	A*68:01:51/ 137/ 145/ 179/ 218/ 240/ 41/ 50:02/ 83(A68)																								
x	A*68:05(A68)																								
	A*68:105/ 83(A68)																								
	A*68:113:01/ 129/ 133(A68)/ 171:01N(Null)/ 184(A68)/ 199N(Null)/ 246/ 44/ 48(A68)/ 49N(Null)/ 50:01(A68)/ 59N(Null)																								
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	A*68:130:01(A68)																								
	A*68:134(A68)																								
	A*68:15/ 20/ 227/ 84(A68)																								
	A*68:227(A68)																								
	A*68:230(A68)																								
	A*68:41(A68)																								
	A*68:61(A68)																								
x	A*69:01:01:01(A69)																								
	A*69:01:01:02/ 01:01:03/ 01:03/ 02/ 03/ 04/ 05/ 06/ 08(A69)																								
	A*69:01:02/ 07(A69)																								
	A*69:07(A69)																								
x	A*74:01:01:01/ 03:01:01(A74)																								
	A*74:01:01:02/ 01:01:03/ 01:01:04/ 01:01:05/ 01:01:06/ 01:01:07/ 01:01:08/ 01:01:09/ 01:01:10/ 01:01:11/ 01:01:12/ 01:01:13/ 01:01:14/ 01:01:15/ 01:01:16/ 01:01:17/ 01:01:18/ 01:01:19/ 01:01:20/ 01:01:21/ 01:01:22/ 01:01:23/ 01:01:24/ 01:01:25/ 01:01:26/ 01:01:27/ 01:01:28/ 01:01:29/ 01:01:30/ 01:01:31/ 01:01:32/ 01:01:33/ 01:01:34/ 01:01:35/ 01:01:36/ 01:01:37/ 01:01:38/ 01:01:39/ 01:01:40/ 01:01:41/ 01:01:42/ 01:01:43/ 01:01:44/ 01:01:45/ 01:01:46/ 01:01:47/ 01:01:48/ 01:01:49/ 01:01:50/ 01:01:51/ 01:01:52/ 01:01:53/ 01:01:54/ 01:01:55/ 01:01:56/ 01:01:57/ 01:01:58/ 01:01:59/ 01:01:60/ 01:01:61/ 01:01:62/ 01:01:63/ 01:01:64/ 01:01:65/ 01:01:66/ 01:01:67/ 01:01:68/ 01:01:69/ 01:01:70/ 01:01:71/ 01:01:72/ 01:01:73/ 01:01:74/ 01:01:75/ 01:01:76/ 01:01:77/ 01:01:78/ 01:01:79/ 01:01:80/ 01:01:81/ 01:01:82/ 01:01:83/ 01:01:84/ 01:01:85/ 01:01:86/ 01:01:87/ 01:01:88/ 01:01:89/ 01:01:90/ 01:01:91/ 01:01:92/ 01:01:93/ 01:01:94/ 01:01:95/ 01:01:96/ 01:01:97/ 01:01:98/ 01:01:99/ 01:01:100																								
	A*74:01:03(A74)																								
	A*74:10/ 16:01(A74)																								
	A*74:12N(Null)/ 23(A74)																								
x	A*80:01:01:01(A80)																								
	A*80:01:01:02/ 01:02/ 02/ 04/ 05/ 06/ 07(A80)																								
	A*80:03(A80)																								

manchmal schwache Amplifikation, sometimes weak amplification
x häufige Allele, frequent alleles

Frequenzangaben / Frequencies

Quelle: Schreuder et. al.: The HLA Dictionary 2004; Tissue Antigens 2005; 65: 1-55
Allele die in der Studie mit einer Häufigkeit von größer gleich 0,01% gefunden wurden sind in der Frequenzspalte als häufig markiert
Source: Schreuder et. al.: HLA Dictionary 2004; Tissue Antigens 2005; 65: 1-55
Alleles that were found with an occurrence higher or equal to 0,01% are marked in the frequency column

