INTERPRETATION TABLE

HLA-B low resolution SSP

Amplification patterns of the B*07:02 to B*83:01 alleles

	Well																			
	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Length of spec.	285	215	140	130	185	190	290	165	165	180	105	195	105	115	80	150	135	60	210	170
PCR product(s)			235	265	235			220	190		195		395	150				245		
								330	390				435					400		
Length of int. pos. control[1]	800	1070	1070	800	800	800	1070	1070	1070	800	1070	1070	1070	1070	1070	800	1070	1070	800	800
5'-primer(s)[2]	355	97	209	103	103	103	45	45	45	420	206	142	45	161	167	355	206	45	142	409
	5'-TCA 3'	5'-TCg 3'	5'-ggC 3'	5'-CCg 3'	5'-CCT 3'	5'-CCg 3'	5'-ggA 3'	5'-ggA 3'	5'-ggA 3'	5'-TTA 3'	5'-AgA 3'	5'-TCT 3'	5'-ggA 3'	5'-Cgg 3'	5'-gCT 3'	5'-TCA 3'	5'-gAC 3'	5'-ggA 3'	5'-TCT 3'	5'-ggC 3'
	363		363	103	103	418		357	435		420	419	540					368	368	420
	5'-AgC 3'		5'-AgC 3'	5'-CCg 3'	5'-CCT 3'	5'-Agg 3'		5'-Tgg 3'	5'-AAA 3'		5'-TTA 3'	5'-gTC 3'	5'-gAC 3'					5'-gTT 3'	5'-gTC 3'	5'-TTA 3'
			363	361	363			412										557		
			5'-AgC 3'	5'-AgT 3'	5'-AAT 3'			5'-ATA 3'										5'-ggA 3'		
3'-primer(s)[3]	603	272	309	193	246	246	165	206	266	559	272	301	272	234	204	463	302	259	311	544
	5'-gTg 3'	5'-Tgg 3'	5'-gTg 3'	5'-CgT 3'	5'-TAT 3'	5'-TAT 3'	5'-Tgg 3'	5'-CCT 3'	5'-TCC 3'	5'-CTC 3'	5'-Tgg 3'	5'-gTC 3'	5'-TgC 3'	5'-TCT 3'	5'-TCT 3'	5'-gCT 3'	5'-ggC 3'	5'-gTT 3'	5'-ggg 3'	5'-ggT 3'
	605	272	559	193	246	572		538	559		572	301	309	272				259	311	
	5'-gCT 3'	5'-TgA 3'	5'-CAg 3'	5'-CgT 3'	5'-TAT 3'	5'-gCC 3'		5'-gTC 3'	5'-CAg 3'		5'-gCg 3'	5'-gTC 3'	5'-ATC 3'	5'-TgA 3'				5'-gTT 3'	5'-ggg 3'	
				583	559				583			570	605	272				266	538	
				5'-gTg 3'	5'-CTC 3'				5'-gTg 3'			5'-CCg 3'	5'-gCT 3'	5'-Tgg 3'				5'-TCC 3'	5'-gTC 3'	
												572						272		
												5'-gCg 3'						5'-Tgg 3'		
																		292		
																		5'-gTA 3'		
																		572		
																		5'-gCg 3'		
Well No.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41

Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HLA-B allele[4]	ser.[14]																				
*07:02:01-07:02:31, 07:05:01-07:06, 07:09-07:15, 07:17-07:18:02, 07:21-07:23, 07:26, 07:29-07:31, 07:34-07:35, 07:39, 07:41-07:46, 07:48-07:49N, 07:51-07:52, 07:55-07:59, 07:61-07:64, 07:66-07:68:03, 07:70-07:72, 07:74-07:76, 07:79-07:80, 07:82-07:83, 07:86-07:99, 07:101-07:121, 07:124-07:130, 07:132, 07:135N-07:138, 07:140-07:145, 07:147-07:148, 07:150, 07:154	B7, B42, Null, -	22																			
*07:02:32	-	22				26															
*07:03, 07:08, 07:16, 07:32, 07:37	B703, -	22																			
*07:04, 07:25, 07:146	B7, -	22												34							
*07:07, 07:19, 07:33, 07:40, 07:53, 07:77, 07:122, 07:139	B7, -																				
*07:20, 07:24, 07:131	B7, -	22		24																	
*07:27	-	22										32								40	
*07:28	-	22					27														
*07:36, 07:81, 07:149	-	22																			
*07:38	-	22																			
*07:47	-	22																			
*07:50	-	22										32									
*07:54, 07:123	-	22																			
*07:60	-			24																	
*07:65	-	22																38			
*07:69, 07:85	-	22																			
*07:73	-	22														36					
*07:78	-										31										
*07:84	-																				
*07:100	-			24																	
*07:133	-	22																			
*07:134	-	22																38			
*08:01:01-08:01:17, 08:05, 08:08N, 08:10-08:11, 08:15, 08:18-08:19N, 08:22-08:24, 08:27, 08:29-08:31, 08:33-08:35, 08:39, 08:41-08:48, 08:51, 08:53, 08:56-08:59, 08:61, 08:63-08:64, 08:66-08:69, 08:71-08:73, 08:75, 08:80-08:83, 08:86N	B8, -, Null	22	23						29												
*08:02-08:03, 08:52, 08:78	B8, -	22	23						29												
*08:04	-	22	23						29			32									
*08:07, 08:14, 08:28, 08:37, 08:74, 08:77	B8, -	22	23																		
*08:09, 08:12:01-08:12:03, 08:16, 08:84	B8, -		23						29												
*08:13, 08:20, 08:40, 08:70, 08:79	-	22	23																		

*08:17, 08:54	-	22	23						29			32									
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*08:21	-	22	23	24					29												
*08:25	-	22	23	24																	
*08:26, 08:50, 08:62, 08:85, 42:07[5]	-	22							29												
*08:32	-	22	23						29									38			
*08:36	-	22	23						29												
*08:38	-	22	23						29												
*08:49	-	22	23														37			40	
*08:55	-	22	23																		41
*08:60, 08:76	-	22	23						29												
*08:65	-	22							29												
*08:87	-	22	23				27														
*08:88	-	22	23						29							36					
*13:01:01-13:01:06, 13:17, 13:20, 13:22:01-13:23, 13:25, 13:28-13:29, 13:43, 13:50, 13:52	B13, -			24	25						31						37				
*13:02:01-13:02:12, 13:08Q, 13:11, 13:15, 13:18-13:19, 13:27, 13:30, 13:32-13:34, 13:37-13:38, 13:40, 13:42, 13:44-13:45, 13:47, 13:49N, 13:54	B13, Null, -			24	25						31										
*13:03	-			24	25																
*13:04, 13:10, 13:21, 13:35, 44:135[6]	B15, B21, -			24	25																
*13:06	-			24	25												37				
*13:07N	Null			24	25						31						37				
*13:09	-				25						31										
*13:12-13:13, 13:26, 13:51	B13, -			24	25												37				
*13:14	-			24							31										
*13:16	-			24	25						31										
*13:31	-			24	25						31										
*13:36	-			24	25						31						37				
*13:39	-				25						31						37				
*13:41	-			24	25						31										
*13:46	-			24	25				29												
*13:48	-			24	25																
*13:53	-			24	25																
*14:01:01-14:01:02, 14:07N, 14:12, 14:14, 14:19, 14:26, 14:32	B64(14), Null, -				25	26															
*14:02:01-14:02:02, 14:02:04, 14:03-14:04, 14:09, 14:11, 14:15-14:18, 14:20, 14:22-14:23, 14:25, 14:27, 14:29, 14:31	B65(14), B14, -				25		27														
*14:02:03, 14:02:06, 14:24, 14:28	B65(14), -				25																
*14:02:05, 14:30	B65(14), -				25		27														

*14:05-14:06:02, 14:13	B14, -						27														
*14:08, 39:25N, 39:30, 39:32-39:34, 39:43, 39:47, 39:50[7]	B39(16), Null, -					26															
*14:10	-					26											37				
*14:21	-				25																
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*15:01:01:01-15:01:01:02N, 15:01:03, 15:01:06-15:01:16, 15:01:18, 15:01:20-15:01:28, 15:26N-15:27:03, 15:30, 15:32, 15:34-15:35, 15:38:01-15:38:02, 15:50, 15:56, 15:58, 15:60, 15:63, 15:70-15:71, 15:75, 15:79N, 15:81-15:82, 15:92, 15:94N, 15:96-15:97, 15:102, 15:104-15:105, 15:109-15:111N, 15:113, 15:117-15:118, 15:122, 15:125, 15:128-15:129, 15:135, 15:140, 15:145-15:147, 15:152, 15:159-15:160, 15:163-15:164, 15:166-15:167, 15:169, 15:171-15:172, 15:174-15:175, 15:178, 15:181N-15:184, 15:187, 15:190N, 15:192-15:193, 15:201, 15:203, 15:205-15:206, 15:211, 15:217, 15:225,	B62(15), Null, -							28											39		
*15:01:02	B62(15)							28		30									39		
*15:01:04	B62(15)																		39		
*15:01:17, 15:05:01-15:06, 15:33, 15:39:01-15:40, 15:48, 15:65, 15:78:01-15:78:03, 15:84, 15:107, 15:136, 15:138, 15:141, 15:150, 15:155, 15:179, 15:185, 15:188, 15:195, 15:199, 15:218Q-15:219, 15:237	B62(15), B15, -							28											39		
*15:01:19, 15:28, 15:120, 15:149N	B62(15), Null, -							28											39		
*15:02:01-15:02:05, 15:88, 15:112, 15:121, 15:139, 15:170, 15:194, 15:213-15:214, 15:223	B75(15), B15, -							28									37		39		
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*15:03:03	B72(70)							28	29			32							39		
*15:04, 15:137	B62(15), -							28											39		
*15:07:01-15:07:02, 15:45, 15:126, 15:207	B62(15), -			24				28											39		

*15:08, 15:11:01-15:11:03, 15:11:05, 15:15, 15:148, 15:191, 15:209N, 15:215	B75(15), B62(15), Null, -							28											39		
*15:09	B70								29	30				34					39		
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*15:10:01, 15:18:01-15:18:04, 15:37, 15:51-15:52, 15:72, 15:90, 15:93, 15:99, 15:108, 15:114, 15:119, 15:133-15:134, 15:153, 15:176, 15:197-15:198, 15:200, 15:221, 15:226N, 15:229, 15:238	B71(70), B70, B15, Null, -								29					34					39		
*15:10:02	B71(70)							28	29					34					39		
*15:11:04	B75(15)																		39		
*15:12, 15:14, 15:19	B76(15)							28					33						39		
*15:13:01-15:13:02	B77(15), -							28						34			37		39		
*15:16:01-15:16:03, 15:67, 15:95	B63(15), -									30				34					39		
*15:17:01:01-15:17:02, 15:162, 15:168, 15:177, 15:196, 15:208, 15:216, 15:230	B63(15), -							28		30				34					39		
*15:20, 15:25:01-15:25:03, 15:204, 15:240	B62(15), -							28									37		39		
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*15:23, 15:115	-								29					34					39		
*15:24, 15:87, 15:157	B62(15), -							28						34					39		
*15:29	B15								29										39		
*15:31	B75(15)							28											39		
*15:36	-			w				28									37		39		
*15:42	-							28											39		
*15:43	-							28											39		
*15:46	B72(70)				25			28	29										39		
*15:53, 15:212	-				25				29										39		
*15:54	-								29			32							39		
*15:55	B15			24				28											39		
*15:57	-							28											39		
*15:62	-								29			32					37		39		
*15:64	-								29			32							39		
*15:66	-							28						34					39		
*15:68	B35			24								32									
*15:69	-								29			32							39		41
*15:73	B62(15)							28											39		
*15:74	-								29										39		
*15:76	-							28											39		
*15:77	-						27	28									37		39		
*15:80	B70								29					34			37		39		
*15:83	-							28	29										39		
*15:85, 15:154, 15:165	-							28									37		39		
*15:86, 15:224	-							28											39		

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*15:91, 15:131	-								29			32	33						39		
*15:101	-							28													
*15:106	-				25			28	29								37		39		
*15:116	-							28											39		
*15:124	-								29					34					39		
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*15:142	-		23					28											39		
*15:143	-							28	29										39		
*15:144	-							28									37		39		
*15:161	-								29				33	34					39		
*15:180	-		23																		
*15:186	-								29					34					39		41
*15:189	-						27	28						34					39		
*15:202, 15:239	-							28										38	39		
*15:222	-									30				34					39		
*15:233	-						27	28											39		
*15:236	-							28													
*15:243	-								29	30				34					39		
*18:01:01:01-18:03, 18:05-18:08, 18:10-18:11, 18:13-18:15, 18:17N-18:18, 18:20-18:21, 18:23N-18:28, 18:30-18:36, 18:38-18:43, 18:45-18:47, 18:50-18:53, 18:55, 18:57-18:65, 18:68, 18:70-18:71	B18, Null, -														35			38			
*18:04	B18														35			38			
*18:09	B18														35						
*18:12	-														35			38			
*18:19	-														35			38			
*18:22, 18:69	-														35		37	38			
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*18:37	-											32			35						
*18:44	-				25										35			38			
*18:48	-														35						
*18:49	-														35						
*18:54	-												33		35					40	
*18:56	-												33		35			38			
*18:66	-														35						
*18:67	-														35						
*27:01	B27					26										36					
*27:02:01-27:02:02, 27:53, 27:57, 27:65N, 27:83	B27, Null, -					26										36					

*27:03-27:05:15, 27:05:17-27:06, 27:09-27:10, 27:13, 27:17, 27:20, 27:27, 27:31, 27:35-27:37, 27:41, 27:45-27:46, 27:48-27:51, 27:54-27:56, 27:58, 27:60-27:61, 27:64N, 27:66N, 27:68-27:69, 27:72-27:74, 27:78-27:80, 27:82, 27:84-27:88	B27, Null, -					26										36					
*27:05:16, 27:07:01-27:07:02, 27:11, 27:15, 27:21, 27:28, 27:32, 27:34, 27:38, 27:43, 27:47, 27:63, 27:70-27:71, 27:76	B27, -															36					
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*27:08, 27:26, 27:40, 27:42, 27:44, 27:89	B2708, -					26										36					
*27:12	B27					26										36					
*27:14, 27:81	B27, -															36					
*27:16, 27:39, 27:59N	Null, -					26										36					
*27:18	-					26						32				36					
*27:19	B27															36	37				
*27:23	-					26										36					
*27:24	-															36					
*27:25	-															36					
*27:29	B27					26						32				36					
*27:30	B27															36	37				
*27:33	-															36					
*27:52, 27:67	-					26															
*27:62	-															36					
*27:75	-					26															
*27:77	-					26										36					
*35:01:01:01-35:01:09, 35:01:11-35:03:02, 35:03:04-35:04:01, 35:04:03, 35:06-35:08:04, 35:11:01-35:12:03, 35:15, 35:20:01-35:20:02, 35:23, 35:29:01-35:29:02, 35:33-35:34, 35:36, 35:39-35:42:01, 35:48, 35:50, 35:52, 35:54-35:55, 35:57, 35:59, 35:61, 35:65Q, 35:70, 35:74, 35:77-35:78, 35:82-35:85, 35:90-35:95, 35:98, 35:100-35:101:02, 35:103-35:108:02, 35:110-35:112, 35:116, 35:120-35:124, 35:126, 35:128-35:134N, 35:136-35:150, 35:152-35:153, 35:155-35:156, 35:158-35:162, 35:165N-35:168, 35:170-35:173N, 35:175-35:184, 35:187, 35:189	B35, Null, -																37	38			
*35:01:10, 35:04:02	B35									30							37	38			
*35:03:03, 35:27, 35:56	B35, -																37				

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*35:08:05	-																37				
*35:10, 35:13, 35:28, 35:69, 35:80	B35, -																37	38			
*35:14:01-35:14:02, 35:62, 35:163	B35, -																37	38			
*35:16	B35			24													37	38			
*35:17, 35:30, 35:113, 35:125, 35:164	B35, -			24													37	38			
*35:19	B35																37				
*35:21, 35:24:01-35:24:02, 35:81, 35:96, 35:109, 35:157, 35:188, 35:190	-																37	38			
*35:25, 35:49, 35:198	B35, -																37				
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*35:26	-						27										37				
*35:35	B35																37	38			41
*35:38, 35:115, 35:169	-																37	38			
*35:42:02	-																37	38			
*35:43-35:44, 35:67, 35:79, 35:86, 35:102, 35:117, 35:135	B35, -																	38			
*35:45, 35:71	-												33				37	38			
*35:46	B35				25												37				
*35:47, 35:154	-				25												37				
*35:60	B35																	38			
*35:63	-				25												37				
*35:66	-	22																38			
*35:76	B35, 22																37	38			
*35:87	-	22							29									38			
*35:185	-																	38			
*35:186	-																37	38			
*35:191	-																37	38			
*37:01:01-37:01:07, 37:03N, 37:06, 37:13, 37:15-37:21, 37:23-37:27, 37:30N-37:33N	B37, Null, -												33				37			40	
*37:01:08, 37:09	B37, -												33							40	
*37:02	-					26							33							40	
*37:04:01-37:04:02	B37, -												33				37			40	
*37:05	-												33				37			40	
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*59:04	-																				
*67:01:01, 67:03	B67, -					26															41
*67:01:02-67:02	B67, -																				41
*73:01-73:02	B73, -																				
*78:01:01-78:01:02, 78:02:02-78:03, 78:07	B78, -									30								38			
*78:02:01, 78:04	B78, -									30								38			
*78:05	-									30								38			
*78:06	-									30											
*81:01	B81	22																			
*81:02	B81	22																			
*81:03-81:05	Null, -	22																			
*82:01-82:03	B82, -								29			32							39		
*83:01	-																37				
*A*23:31, A*24:106, C*07:231, C*16:10*							27														
*A*24:174*													33								
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
*A*26:68, A*68:56, C*02:56, C*06:20, C*12:50*																					
*C*01:30*					25																
*C*03:05, C*03:25, C*03:27, C*03:143*				24																	
*C*03:12, C*03:19*																					
*C*03:102*																	37				
*C*03:129*																					
*C*06:72*																					
*C*07:02:30, C*08:16:02*								28													
*C*07:46*									29												
*C*15:02:04*																					
*C*15:25*																					
*C*15:39*																					
*C*15:51*																					41
Well No.		22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41

INTERPRETATION TABLE

HLA-B low resolution SSP

Amplification patterns of the B*07:02 to B*83:01 alleles

Well																						
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
110	395	160	180	105	325	115	130	90	90	145	120	430	145	300	160	180	180	90	95	115	360	350
		425				195	270	410	175	430	210				330	210		240		150		
						225																
						260																
1070	1070	1070	1070	1070	800	1070	800	1070	1070	1070	800	1070	1070	1070	1070	1070	1070	800	1070	1070	1070	1070
246	44	44	355	540	1st I	355	209	41	209	48	357	49	206	1st I	15	141	420	209	206	165	1st I	1st I
5'-gAA 3'	5'-ggC 3'	5'-ggC 3'	5'-TCA 3'	5'-gAC 3'	5'-CAg 3'	5'-TCA 3'	5'-ggC 3'	5'-CTg 3'	5'-ggC 3'	5'-gCC 3'	5'-Tgg 3'	5'-CAg 3'	5'-gAA 3'	5'-CAg 3'	5'-gCA 3'	5'-ATT 3'	5'-TTA 3'	5'-ggC 3'	5'-gAC 3'	5'-ACC 3'	5'-CAg 3'	5'-CAg 3'
		357	363			418	209	368	363	206					418	420		209		463		
		5'-Tgg 3'	5'-Agg 3'			5'-Agg 3'	5'-ggg 3'	5'-gTT 3'	5'-AgC 3'	5'-gAA 3'					5'-Agg 3'	5'-TTA 3'		5'-ggA 3'		5'-TgA 3'		
						499	355											362				
						5'-TCT 3'	5'-TCA 3'											5'-ggT 3'				
317	272	302	499	603	282	538	299	282	259	309	435	309	311	259	175	311	559	256	259	272	317	311
5'-ggA 3'	5'-TgC 3'	5'-ggC 3'	5'-ggA 3'	5'-gTg 3'	5'-gCC 3'	5'-gTC 3'	5'-TCA 3'	5'-gCC 3'	5'-gTT 3'	5'-ATC 3'	5'-TCT 3'	5'-ATC 3'	5'-ggT 3'	5'-CTC 3'	5'-CCg 3'	5'-ggT 3'	5'-CAg 3'	5'-CCC 3'	5'-gTT 3'	5'-TgC 3'	5'-ggA 3'	5'-ggT 3'
		302		605		572	583	418	499		527			259	538	559		259		538		
		5'-ggT 3'		5'-gCT 3'		5'-gCg 3'	5'-gTg 3'	5'-gTC 3'	5'-ggA 3'		5'-CCT 3'			5'-CTC 3'	5'-gTC 3'	5'-CgT 3'		5'-CTT 3'		5'-CCA 3'		
		477												262				559				
		5'-gCg 3'												5'-TgC 3'				5'-CgT 3'				
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64

42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
																							ser.[14]
		44			47																	64	B7, B42, Null, -
		44			47																	64	-
		44																				64	B703, -
		44		46	47																	64	B7, -
		44			47																	64	B7, -
		44			47																	64	B7, -
																					63		-
		44			47																	64	-
					47																63		-
																					63		-
		44			w																	64	-
		44																				64	-
		44			47									56								64	-
		44			47																	64	-
					47			50								58			w			64	-
	43	44																				64	-
		44			47																	64	-
		44			47						53											64	-
		44			47						53											64	-
		44			47															62		64	-
		44			47								55									64	-
		44			47														w			64	-
		44		46																		64	B8, -, Null
				46																	63		B8, -
		44		46																		64	-
		44		46																		64	B8, -
		44		46																		64	B8, -
		44																				64	-

		44		46										56								64	-
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
		44		46																		64	-
		44																				64	-
		44		46																		64	-
		44		46															61			64	-
				46																		64	-
		44		46										56								64	-
		44		46		48																64	-
		44																				64	-
		44		46		48																64	-
	43	44		46																		64	-
		44		46		48									57							64	-
		44		46																		64	-
														56							63		B13, -
														56							63		B13, Null, -
														56			59				63		-
														56							63		B15, B21, -
														56		58					63		-
																					63		Null
														56								64	-
														56							63		B13, -
														56							63		-
											53			56							63		-
											w			56						62	63		-
									51												63		-
														56								64	-
														56						62	63		-
														56							63		-
											53			56			59				63		-
														56		58					63		-
	43	44																				64	B64(14), Null, -
	43	44																				64	B65(14), B14, -
	43	44																				64	B65(14), -
	43																					64	B65(14), -

	43	44																				64	B14, -
	43	44																				64	B39(16), Null, -
	43	44					49															64	-
		44			47																	64	-
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
														56						62		64	B62(15), Null, -
														56						62		64	B62(15)
														56						62		64	B62(15)
														56								64	B62(15), B15, -
																				62		64	B62(15), Null, -
									51													64	B75(15), B15, -
														56								64	B72(70), B70, -
														56								64	B72(70)
											w			56						62		64	B62(15), -
														56						62		64	B62(15), -

									51												62		64	B75(15), B62(15), Null, -
																							64	B70
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
																						64	B71(70), B70, B15, Null, -
																						64	B71(70)
									51											62		64	B75(15)
														56						62		64	B76(15)
									51												63		B77(15), -
											53										63		B63(15), -
																					63		B63(15), -
														56								64	B62(15), -
									51													64	B75(15), -
																					63		-
														56						62	63		B62(15), -
																						64	B15
									51													64	B75(15)
														56							63		-
											53			56		58						64	-
														56						62	63		-
													55	56						62		64	B72(70)
													55	56						62		64	-
														56						62		64	-
									51													64	B15
							w							56						62		64	-
														56								64	-
																						64	-
														56						62		64	-
														56						62		64	B35
														56								64	-
														56			59			62		64	B62(15)
														56								64	-
					47				w											62		64	-
														56						62		64	-
																						64	B70
														56								64	-
														56						62		64	-
														56		58						64	-

									51												63		-
														56								64	-
					47									56						62		64	-
													55	56								64	-
			45											56								64	-
			45																			64	-
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														56						62		64	-
													55							62		64	-
									51											62		64	-
																						64	-
																				62		64	-
																						64	-
									51											62		64	-
														56						62		64	-
																					63		-
														56						62		64	-
														56						62		64	-
														56								64	-
																			61			64	B18, Null, -
																58			61			64	B18
																			61		63		B18
														56								64	-
																			61	62		64	-
							49												61			64	-
																			61			64	B35, Null, -
																						64	-
																			61			64	-
													55									64	-
																			61			64	-
																			61		63		-
																			61			64	-
																						64	-
												54							61		63		-
					47			w						56							63		B27
					47			50				54		56							63		B27, Null, -

					47			50						56							63		B27, Null, -
					47			50						56							63		B27, -
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
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					47			50						56								64	B2708, -
														56								64	B27
		44			47			50						56							63		B27, -
														56							63		Null, -
														56								64	-
					47			50						56							63		B27
																					63		-
					47			50	51					56							63		-
					47			50						56						62	63		-
														56							63		B27
					47			50				54		56							63		B27
					47			50						56								64	-
					47			50						56							63		-
					47			50				54		56							63		-
					47			50				54		56						62	63		-
												54		56							63		-
																			61			64	B35, Null, -
																			61			64	B35
																			61			64	B35, -

																			61			64	B35, -
																58						64	-
														56								64	B35, -
																			61	62		64	B35, -
														56								64	B35
																			61			64	B35, -
													55									64	B35
							49												61			64	-
																						64	B35, -
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
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																						64	-
																			61			64	B35
						48													61			64	-
																58			61			64	-
																			61	62		64	B35, -
						48													61			64	-
									51													64	B35
													55									64	-
																58			61			64	B35
													55	56								64	-
																			61			64	-
					47			50											w			64	B35, 22
				46															61			64	-
																58			61	62		64	-
					47			50														64	-
																						64	-
						48								56							63		B37, Null, -
														56							63		B37, -
														56							63		-
						48	49							56							63		B37, -
						48								56								64	-
														56							63		-
						48													61		63		B37
						48								56							63		B37, -
						48								56								64	-
						48								56							63		-
						48								56							63	w	-
						48								56							63		-
42	43																				63		B38(16), B16, Null, -

	43																				63		-
42														56							63		B16
	43													56							63		-
42	43																				63		B38(16), -
																				61	63		-
																				61	63		-
42	43																				63		-
42	43																				63		-
42	43																				63		-
42	43																				63		-
42					47																63		-
42	43																				63		-
	43																				63		-
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	43	44																				64	B39(16), B3901, Low B39, Null, -
	43	44																				64	B39(16), B3901, -
		44												56								64	B39(16), B3902
		44												56								64	B39(16), B3902, -
	43	44																				64	B39(16)
		44																				64	B39(16), -
		44														58						64	-
	43	44																		62		64	-
	43	44																	61			64	B39(16)
	43	44																	61			64	B39(16)
	43	44												56								64	-
	43																					64	-
	43	44																		62		64	-
		44																				64	-
		44																				64	-
	43	44																				64	-
		44																				64	-
	43	44											55									64	-
		44	45										55	56								64	B60(40), - , Null

		44											55	56								64	B60(40), B61(40), -
		44	45										55	56		58						64	-
													55	56								64	B61(40), B41, Null, -
													55	56								64	B4005
		44											55	56								64	B61(40), -
													55									64	-
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
		?											55	56								64	B61(40), B40, -
			45										55	56								64	B60(40), -
			45											56								64	-
										52		54		56							63		-
		?											55	56								64	B60(40), -
		?											55	56								64	-
		44											55	56								64	B61(40)
		?	45											56								64	-
		?	45										55	56								64	B60(40), Null, -
		?	45										55									64	-
		?											55	56								64	B21
		?					49						55	56								64	-
		?	45										55	56								64	B60(40), -

		?							51				55	56								64	B60(40), -
		?	45											56								64	-
			45											56							63		B40, -
		?	45										55	56								64	B60(40)
		?											55	56		58						64	-
		44	45										55	56								64	-
		?											55									64	-
		?											55	56			59					64	-
		?	45										55	56								64	-
			45											56									-
		44												56								64	-
		?									53		55	56								64	-
		44												56							63		-
		?											55	56								64	-
		44								52		54		56							63		-
		44												56							63		-
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
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			45							52		54		56							63		-
		?	45			48							55	56								64	-
		?		46									55	56								64	-
		?	45											56								64	-
		44	45										55	56								64	-
		44									53		55	56								64	-
														56							63		-
		?	45		47								55									64	-
		?											55	56								64	-
		?											55	56								64	-
		?	45											56								64	-
		44		46									55	56								64	B41, -
		44		46									55	56								64	B41, -
		44		46									55	56								64	-
		44		46									?	56								64	-
		44		46									55	56								64	-
		44											55	56								64	-
		44		46	47																	64	B42, -
		44		46	47																	64	-
		44		46	47																	64	-
		44			47																	64	-
		44		46	47																	64	-
		44		46										56								64	-
		44		46	47	48																64	-

						48								56	57						63		B44(12), Null, -
						48									57						63		B44(12), -
						48								56							63		B44(12), B21, Null, -
42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	
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						48								56							63		B44(12), -
						48						54			57				61		63		B44(12)
						48								56	57						63		B44(12)
						48							55	56	57							64	B45(12)
						48								56			59				63		B44(12)
						48								56							63		B44(12)
														56			59				63		B12
						48								56	57						63		B47, -
						48								56							63		B44(12), -
										52				56			59				63		-
						48								56	57						63		-
						48				52		54		56							63		-
			45			48								56							63		B44(12)
														56							63		-
						48								56							63		B44(12), -
						48								56	57						63		-, B44(12)
						48								56	57						63		-
						48							55	56								64	-
						48								56							63		-
						48								56	57						63		-
						48								56							63		B44(12)

						48								56							63		-
						48								56							63		-
						48								56							63		-
						48								56	57						63		-
					47	48		50					55	56	57							64	-
						48				52		54		56	57						63		-
					47	48		50						56	57						63		-
						48								56	57						63		-
						48								56	57								-
						48							55	56	57							64	-
						48								56			59				63		-
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