HISTO TYPE B low
Update 07/2013 (V15.3)

***Evaluation Diagram* / Auswertediagramm**

Lot: xxxxx
Score: BAG / B low_V15_xxxxx_3.13.1

Positive reactions

Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Product size [bp]		430	170 280	645 500	145	445	185	640	430	525	380	470	100	445	395 610	135	180	430	505 515 540	405 515	635	475	615 675	145 685	545	550	470	145 285	335 390	605	530	150	375	135 160	235	355 560	425	555 365	360 545	385 120	420 445 485	295 410	510 455	505	495	200 540	364 Bw4	347 Bw6	
*07:02:01-02:02,02:04-02:10,02:12-02:31,02:33-02:37,02:39-04,08,10,15-16,21-23,26,28-30,35,37,39,41-42,44,46-47,49N,52,55,58-59,61-63,66-68:03,70-71,73-74,76,82-83,85-89,91-96:02,98-99,101-104,106-111N,113-114,116-121,124-130,132,135N-136,141-148,150-152,154,156,158-161N,166-173,175,178-179,181N,184-192,194-196,198	B7, –, B703/B7, Null	1																																						39				43				47	
*07:02:03	B7	1			4																																		39				43				47	
*07:02:11	B7	1																	19																				39			42	43				47	
*07:02:32	–	1																					23																39				43				47	
*07:02:38,13,32,54,69,115,182N / **08:79**	–, B7/blank, Null																																							39				43				47	
*07:05:01-05:02,05:05-06,80,90,97,105,112,138,176	B7, –																																				36			39				43				47	
*07:05:03	B7																			19																	36			39			42	43				47	
*07:05:04	–				4																																36			39				43				47	
*07:07,163,193	B7, –	1																										27										37		39								47	
*07:09	B7																															31								39				43	44			47	
*07:11	B7																															31								39				43	44				
*07:12,18:01,56:02,72,157	B7, –	1																																					39								47	
*07:14,18:02	B7	1																																			37		39								47	
*07:17	B7																																						39				43	44			47	
*07:19	B7/42	1																																	35								43				47	
*07:20	B7/blank	1																																34			w		39				43		45		47	
*07:24,131	B7, –	1																																34			37		39				43				47	
*07:25,33:01-33:02,48,51,122,164-165	B7, –	1																																								43				47	
*07:27	–	1																			w																		39	40			43			46		
*07:31,43	B7/B42	1																																	35				39				43				47	
*07:34	B7																																		35	36			39				43				47	
*07:36,38,81,149	B7, –, –	1																																					39				43			46		
*07:40,53	B7																																			36							43				47	
*07:45	B7	1																18	19				23																39				43				47	
*07:50,183	–, –	1																			w																		39	40			43				47	
*07:56:01	B7	1			4																																		39								47	
*07:57,75	B7, –	1																																					39				43					
*07:60,100	–	1																																34			37						43				47	
*07:64,153	–	1																																					39				43		45		47	
*07:65	–	1														15																							39	40							47	
*07:77	–	1																									27												39								47	
*07:78	–																																		35				39								47	
*07:79,180	–	1																																					39				43			46	47	
*07:84	–	1																																	35				39								47	
*07:123	–																																			w			39				43				47	
*07:133	–	1																			20		22																	39				43				47	
*07:134	–	1														15																							39	40			43				47	
*07:137	–																																			36	37		39								47	
*07:139,155	–	1																																					w				43				47	
*07:140	–																																			36			39				43		45		47	
*07:162	–	1																														31						37		39					44			47	
*07:174	–	1																										27												39				43				47	
*07:177	–	1											12																										39								47	
*07:197	–													13																									39								47	
*08:01:01-01:03,01:05-01:21,08N,10-11,13,15,18-20,22-24,27,29-30N,34,36,38-41,43-46,48,50-51,53:01-53:02,57-60,62-64,66-77,80-83,85-86N,88,90-100,104-106,108-109	B8, –, Null		2												14																													43				47	
*08:01:04,47	B8, –		2												14																													43					
*08:02-03,52,78	B8, –		2												14																													43			46		
*08:04	B8/blank		2																							25																		43				47	
*08:05,31,42	B8, –		2												w																													43				47	
*08:07,87,111	B8, –	1	2												14																													43				47	
*08:09	B8		2												14																		32															47	
*08:12:01-12:03,16,33,49,61	B8, –		2												14																																47	
*08:14	B8		2											13	14																													43				47	
*08:17	–		2																			21				25																		43					
*08:21,25	B8		2												14																			34									43				47	
*08:26,56:01-56:02	B8, –		2												14		16																														47	
*08:28,35,37	B8, –		2												14																													43	44			47	
*08:32	B8		2												14	15																												43				47	
*08:54	–		2																			21				25																		43				47	
*08:55	–		2												14					19				23															38					43				47	
*08:65,101	–		2																																								43				47	
*08:84	–														14																		32															47	
*08:89,107 / **35:25**	–, B35														14																														44			47	
*08:102	–		2										12		14																																47	
*08:103	–																																										43				47	
*08:110	–		2																			w				25															w			43				47	
*13:01:01-03,06,08,11-16,18-20,25,27,29,31-32,34-35,37-38,40-45,47-50,52-54,56N-57,59-64	B13, –, B49/B15,			3				7																										33													46		
*13:04,10,26	B49/B15, B13, –			3				7	8																									33													46		
*13:07N,36,65-66,68,70	Null, –			3				7																																						46		
*13:09	–			3				7																										33														47	
*13:17,33	B13, –							7									16																	33													46		
*13:21	–			3				7														21												33													46		
*13:22:01-22:02	–							7																										33													46		
*13:23,55	–			3				7																						29				33													46		
*13:28	–			3				7																										33													w		
*13:30	–			3				7																										w													46		
*13:39	–			3				7																										33															
*13:46	–			3				7										17								25								33													46		
*13:51	–			3				7										17																33													46		
*13:58	–			3																														33													46		
*13:67	–			3				7																																								
*14:01:01-01:03,07N-08,10,12,14,19,26,32	B64, –, Null					5																		23																								47	
*14:02:01-02:02,02:04-02:05,02:07-04,06:01-06:02,09,11,15-18,20,22,24-25,27-31,34-36w,37	B65, –, B14					5	6																	23																								47	
*14:02:03,02:06	B65, –																																														47	
*14:05	B14					5	6																	23																				43				47	
*14:13	–						6																	23																				43				47	
*14:23,33	–	1					6																	23																								47	
*15:01:01:01-01:01:02N,01:03-01:04,01:06-01:15,01:17-01:18,01:20-01:32,04-06,20,25:01-28,32,34-35,38:01-38:02,50,60,65,70-71,75,79N,81-82,84-85,92,94N,96,102,104-105,109-111N,113,117-118,122,125,128-129,140,142,145-147,154-155,159-160,163-167,169,171-172,174-175,178,181N-182N,184-185,187,190N,192-193,201,203-206,211,217,219,225,227-228,231-232,234,237,240,245Q,247,250,257-258N,260-262N,264,267	B62, Null, –							7	8								16																	33														47	
*15:01:02	B62							7	8								16			19														33														47	
*15:01:16,183,244,251	B62, –							7	8																									33														47	
*15:01:19,01:33,02:06,120,246N,272N,276,280	–, B62, Null							7	8								16																															47	
*15:02:01-02:05,31,88,112,121,139,144,170,213-214	B75, –							7	8		10						16																															47	
*15:03:01-03:02,03:04,47:01-47:02,49,61-62,74,98,103,127,132,158,173,210,220,242,266,274,281-282	B72, –, B70/blank,								8																							31													44			47	
*15:03:03 / **48:25**	B72, –								8																							31		33											44			47	
*15:07:01-07:02,126,207	B62, –							7	8								16																	33	34													47	
*15:08,11:01-11:05,21,44,148,191,209N,215	B75/B62, –, Null							7			10						16																															47	
*15:09,252	B70, –										10									19																							42					47	
*15:10:01-10:02,37,90,99	B71, B70	1									10																																					47	
*15:12,14,19	B76								8								16																	33												45		47	
*15:13:01-13:02	B77, –							7	8		10						16														30															46		
*15:15	B75/62							7	8		10						16																								40							47	
*15:16:01-16:03,67,95,254,268	B63, –							7		9																					30	31															46		
*15:17:01:01-17:02,168,177,196,208,216,273	B63, –							7		9				13																	30																46		
*15:18:01-18:02,18:04,29,72,80,93,134,153,197-198,221,226N,238,263	B71, B70, –, Null										10																					31													44			47	
*15:18:03,119	B71										10																					31																47	
*15:18:05,176	–																															31													44			47	
*15:23	B70/B5/blank										10																				30	31													44		46		
*15:24:01,87,157	B62, B15, –							7	8								16														30			33													46		
*15:24:02	–							7	8								16														30										40							46		
*15:30,42,56,63,66,73,77,86,152,224,233,236,269/35:207	B62, B15, –							7									16																	33														47	
*15:33,78:01-78:03,107,116,141	B62, –							7	8								16					21												33														47	
*15:36,43,256	–, B15, –							7	8								16																	33													46		
*15:39:01-40,195	B62, –, B62/blank							7	8								16															31		33														47	
*15:45	B62							7									16																	33	34													47	

HISTO TYPE B low
Update 07/2013 (V15.3)

***Evaluation Diagram* / Auswertediagramm**

Lot: xxxxx
Score: BAG / B low_V15_xxxxx_3.13.1

Positive reactions																																															
Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Product size [bp]		430	170 280	645 500	145	445	185	640	430	525	380	470	100	445	395 610	135	180	430	505 515 540	405 515	635	475	615 675	145 685	545	550	470	145 285	335 390	605	530	150	375	135 160	235	355 560	425	555 365	360 545	385 120	420 445 485	295 410	510 455	505	495	200 540	364 Bw4	347 Bw6	
*15:46,106	–								8								16						22											33											44			47	
*15:48	B62							7									16			19														33					38									47	
*15:51-52,114,124,200,275	B70, –,										10																																		44			47	
*15:53,212 / **35:63**	–, –								8														22																						44			47	
*15:54,123,151,156	B72, –								8																																				44			47	
*15:55	B15							7	8		10						16																		34												47	
*15:57,135	B62, –							7	8								16																	33														47	
*15:58,137	B62, –							7									16	17																33														47	
*15:64:01	B71								8		10																				31									40							47	
*15:64:02	–								8			11																			31									40				44			47	
*15:68	–								8																									33	34								43	44			47	
*15:69	B72								8											19				23							31								38					44			47	
*15:76	–							7			10																											37									47	
*15:83	B62							7									16									25								33														47	
*15:89	B77							7	8		10						16																													46		
*15:91	–								8																																			44	45		47	
*15:97	B62							7	8								w																	33														47	
*15:101	–							7																										33				37									47	
*15:108,186	B71, –										10									19				23															38					44			47	
*15:115	B70										10																				31															46		
*15:131	–								8																						31												44	45		47	
*15:133,229	–										10																																				47	
*15:136,249	–							7	8								16			19														33					38								47	
*15:138	–							7	8								16											27			31			33						39							47	
*15:143	–										10						16						22																					44			47	
*15:149N,279	Null, –							7									16																														47	
*15:150,188,248	–							7									16					21												33													47	
*15:161	–										10																				31												44	45		47	
*15:162	–							7						13																30															46		
*15:179,199,218Q	–							7	8								16									25								33													47	
*15:180	–																																											44			47	
*15:189	–						6	7			10						16																														47	
*15:194	–							7	8		10						16														31									40							47	
*15:202	–							w	8							15	16																	33													47	
*15:222 / **57:11**	–, B57							7																						30															46		
*15:223	–							7	8		10						16														31															47	
*15:230	–							7		9				13														27		30										39						46		
*15:235	–								8											19				23														38					44			47	
*15:239	–								8							15	16																	33													47	
*15:241	–							7	8								16											27						33						39							47	
*15:243	–																			19																											47	
*15:253	–																	17																													47	
*15:255	–				4																										31							37							44			47	
*15:259	–								8								16																	33											44			47	
*15:265	–							7	8		10						16			19											31								38								47	
*15:270	–							7	8								16																	33											45		47	
*15:271	–							7	8								16														31																47	
*15:277-278	–							7	8								16			19																											47	
*18:01:01:01:01:08,01:10-01:11,01:13-06,08,10-13,17N-19,23N-25,27-28,30-32,34,36,38-47,50-53,58-60,62-65,68-78,80-81,83-91	B18, –, Null								8			11			15																									40							47	
*18:01:09,01:12,55,82	–								8						15																									40							47	
*18:07:01,33	B18/blank, –											11			15																									40							47	
*18:07:02 / **35:186**	B18/blank, –														15																									40							47	
*18:09,54,67	B18, –								8			11																												40						46		
*18:14,22	B18								8			11			15																									40			43				47	
*18:15,57	B18, –								8			11			15																31									40							47	
*18:20	B18								8			11			15																																47	
*18:21	–								8			11			15							w																		40							47	
*18:26,61 / **35:201**	B18, –														15																																47	
*18:35	–								8			11			15													27												40							47	
*18:37	–								8																															40				44			47	
*18:48	–								8														22																	40				44			47	
*18:49	–								8			11																												40								
*18:56	–								8			11			15											25														40					45		47	
*18:66	–								8			11																												40							47	
*18:79	–											11																												40								
*27:01,04:01-05:17,05:19-05:22,10,13,15-17,19,23,25,28-32,37-39,45-51,54-56,58-61,63-64N,66N,68-74,79-80,82,84-90:02,92-94N,96-97,99-101,103-105	B27, –, Null												12	13																															46		
*27:02:01-02:02,53,57,62,65N,77,83,95	B27, –, Null												12	13															28																46		
*27:03,06-07:03,09,11,20-21,24,27,34-35,43,76,91,106	B27, –												12																																46		
*27:05:18,52	–													13																															46		
*27:08,12,18,26,40,44	B2708/B27/B7, –												12	13																																	47	
*27:14,81,98	B27, –			3									12	13																															46		
*27:33	–												12																																		47	
*27:36	B27												12	13														27																	46		
*27:41,78	–												12																															44		46		
*27:42	–												12	13																																		
*27:67	–							7						13																															46		
*27:75	–													13															28																46		
*27:102	–												12																28																46		
*35:01:01:01-01:09,01:11-01:16,01:18-01:32,01:34,01:35w,01:36-01:38,03:01-03:02,03:04-03:06,03:08-03:12,07-08:01,08:03-08:04,14:01-15,17,23-24:02,29:01-30,32:01,33,36,38,40N-42:01,48,50,52-55,57,61:02-62,64:01-66,68:01-68:02,70,74-75,77-78,91,92w-94,96,98,100-101:02,104-112w,113,115-116,119-120,122-123,126-128,130N-132,134N,136-141,143-148,151-153,155-156,158-161,163,165N-168,170-171,173N-181,187,189-197,200,202,204-206,209,210w,213,216N,218-219,221-225,227-228,231	B35, –, Null														14	15	16																							40							47	
*35:01:10	B35														14	15	16			19																					40		42					47	
*35:01:17,03:07,32:02,43:01,61:01,67,79,82,85-86,99,102,117-118,135,212 / **18:29**	–, B35															15	16																							40							47	
*35:01:33,42:02,84,90,124,142,150	–														14	15																								40							47	
*35:02:01-02:05,04:01,06,09:01-09:03,18,81,121,129Nw,157,172,182-183,211,214,220	B35, –														14	15	16																														47	
*35:03:03,27,56,203	B35														14		16																							40								
*35:04:02	B35														14	15	16			19																						42					47	
*35:04:03,12:01-12:03,31,44,59,83,88,95,149,164,215,233	B35, –															15	16																														47	
*35:05:01-05:03,89,97,114	B35, –														14	15	16																		34						40							47	
*35:08:02	B35														14	w	16																								40							47	
*35:08:05	–														14	w																									40							47	
*35:08:06,103,133	–														14	15	16																								w							47	
*35:10,13,16,69,80	B35, –															15	16																	33							40							47	
*35:11:01-11:03,21,188	B35, –,														14	15	16														31										40							47	
*35:19,47	B35/blank														14		16						22																					44			47	
*35:20:01	B35								8							15	16																							40							47	
*35:20:02	B35								8			11				15	16																							40							47	
*35:22	B35															15	16																		34													47	
*35:26	B35						6										16																											44			47	
*35:28,226	B35, –								8							15	16																	33							40							47	
*35:34	B35	1													14	15	16																								40							47	
*35:35	B35														14	15	16			19																			38		40							47	
*35:37	B35														14	15	16															32									40							47	
*35:39	B35	1														15	16																								40							47	
*35:45,71,169	B35, –														14	15	16																								40					45		47	
*35:46	B35							7							14		16																															47	
*35:49	B35														14		16																											44			47	
*35:51	B35															15	16																		34						40							47	
*35:58,232	B35, –														14	15	16														31				34						40							47	
*35:60	B35															15	16															32															47	
*35:72	B35								8							15	16																		34						40							47	
*35:76	B35/22															15																						37			40							47	
*35:87	–		2												14	15	16																															47	
*35:125	–														14	15																									40			43				47	
*35:154	–														14		16						22																									47	
*35:162,184	–														14	15																																47	
*35:185	–																																								40								
*35:198	–														14		16																															47	
*35:199	–	1														15	16																		34						40							47	
*35:208	–															15	16																						38		40							47	
*35:217	–														14								22																					44			47	
*35:229	–														14	15																						37			40							47	

HISTO TYPE B low
Update 07/2013 (V15.3)

***Evaluation Diagram* / Auswertediagramm**

Lot: xxxxx

Score: BAG / B low_V15_xxxxx_3.13.1

Positive reactions Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Product size [bp]		430	170 280	645 500	145	445	185	640	430	525	380	470	100	445	395 610	135	180	430	505 515 540	405 515	635	475	615 675	145 685	545	550	470	145 285	335 390	605	530	150	375	135 160	235	355 560	425	555 365	360 545	385 120	420 445 485	295 410	510 455	505	495	200 540	364 Bw4	347 Bw6	
*37:01:01-01:06,01:08,03N-04:02,10,13,15-18,20,23-27,29-34,36	B37, –, Null																	17									25								33							40						46		
*37:01:07,08w	B37																	17									25																	40						46		
*37:01:09,21	–																																	33							40						46		
*37:02	B37/B27													13																				33													46		
*37:05	Blank																	17									25								33							40								
*37:06	B37																	17					22			25								33													46		
*37:07	–																					21												33						39	40			43			46		
*37:09	B37																					21				25								33							40			43			46		
*37:11,37	–															15		17									25								33							40							47	
*37:12	B37																					21				25								33													46		
*37:14	–																	17									25								33							40						46	47	
*37:19,28	–																	17									25								33													46		
*37:22	–																16	17									25								33							40						46		
*37:35	–								8																	25								33							40						46		
*38:01:01-02:05,04,06-09,11-15,18,20-21,23-25,27,29,31-32,34N-35,37w-43	B38, –, Null																		18					23															38								46		
*38:03	B38																	17	18					23															38								46		
*38:05,33	B38, –						6												18					23															38								46		
*38:10,36	B38, –																							23																							46		
*38:16	B38												12						18																				38								46		
*38:17	–																							23															38								46		
*38:19	–																		18					23															38					43			46		
*38:22	–					5													18					23					28										38								46		
*38:26	–				4														18					23												35		37									46		
*38:28	–																16		18																				38								46		
*38:30	–																							23							30																46		
*39:01:01:01-01:01:03,01:03-01:11w,01:12-01:16,05:01-06:03,09-11,15-18,22,24:01,25N-28,31-32,35,38Q,40:01N-42,44-48,50-51,53,55-62,64-68,70-81	B3901/B39, Low B39, –, Null, B16																			19				23															38									47	
*39:02:01-02:02,08,13:01,23,39:01w,39:02w,49	B3902/B39, –																	17		19				23															38									47	
*39:03,14,37	B39																			19				23															38					43				47	
*39:04,12	B39						6													19				23															38									47	
*39:07	B16																			19				23															38						44			47	
*39:13:02	B39																	17		19				23										33					38									47	
*39:19:01-19:02	B39															15				19				23															38									47	
*39:20	B39																			19				23															38										
*39:24:02	–																			w				23															38									47	
*39:29	B39	1																		19				23															38					43				47	
*39:30,33-34,36,82	B39, –																							23																								47	
*39:43	–																							23																					44			47	
*39:52	–																			19				23																								47	
*39:54,63	–																			19																			38									47	
*39:69	–																			19			22	23															38									47	
*39:83	–																			19				23									32						38									47	
*40:01:01-01:04,01:07-01:08,01:10-01:29,14:01-14:03,22N,25w,31,33,42-43,45,49,54-55,62,65-67,69w,72:01-74,76,79-81,84,88,100-102,108,112-114,116,118N,123,125-126,134-135,138-141,146w,147,149-155N,156w,160:01-160:02,168,170-172,175,179,182,186-187,191-195,197,204w,207,210,212-213,215-218,221,223,227w,228,233,235-236,238-240,245	B60, –, Null																				20	21						27																				47	
*40:01:05	B60																				20	21						27																					
*40:01:06	B60																			19	20	21						27															42					47	
*40:01:09,07,87:01-87:02,106,121,196,237	–, B60																				20							27																				47	
*40:02:01-02:03,02:05-02:13,02:15-02:17,04,09,11:01-11:02,18,24,27:01-27:02,29,40,50,56-58,64,78,85,89-90,94,97,99,104,107,111,115,119-120,122,129-130,133Q,142N-145,164,169,173,176,181,189,200,202-203,205-206,211w,214,219,224-226,229,246	B61, –, B40, Null																				20	21	22																									47	
*40:02:04	B61																				20	21	22											33														47	
*40:02:14,08,35,68,82,220,232	–, B61/blank																				20		22																									47	
*40:03,20,105	B61, –								8												20	21	22																						44			47	
*40:05,174	B4005/B50, –																					21	22												34													47	
*40:06:01:01-06:07,44,53,70,91,103,127,131,148,161,165,167,177,190,230	B61, –			3																20	21	22																									47	
*40:10:01-10:02	B60, –																16				20	21						27						33														47	
*40:12,63,199,208	B60/B48, –																					21						27																				47	
*40:13 / **44:64:01-64:02**	–, –																				20		22																								46		
*40:15-16,32,98	–, B61, B40																				20	21	22																	39								47	
*40:19,157,201	B61, –																				20	21	22																								46		
*40:21,137	B40/B15, –							7									16					21						27						33														47	
*40:23,198	B40, –																				20	21	22					27												39								47	
*40:26,28 / **50:14**	B21, –																			19			22																				42					47	
*40:30,34	B60																				20	21						27											38									47	
*40:36	B60																	17			20	21						27																				47	
*40:37	B61																				20	21	22																										
*40:38,52,59-60	B60, B40, –								8												20	21						27																	44			47	
*40:39,51,92,163	B61/B41, –																					21	22																									47	
*40:46	B60												12									21						27																				47	
*40:47,117,188	B40, –																				20	21						27																			46		
*40:48	B60																				20	21						27		29																		47	
*40:61	B60																				20							27									w											47	
*40:71	B61																						22							29					34													47	
*40:75,162	B61, –			3																20		22																									47	
*40:77	B60																	17			20							27																				47	
*40:83	–			3																20	21	22											33														47	
*40:86	–			3														17			20	21	22																									47	
*40:93	–			3									12									21																										47	
*40:95	–			3															19	20		22																				42					47	
*40:96,109-110	–			3																20	21	22																								46		
*40:124:01-124:02	–													13							20	21						27																				47	
*40:128,234	–																				20	21	22					27																				47	
*40:132	–																				20	21						27																		45		47	
*40:136,231	–																				20	21				25		27																				47	
*40:158	–								8												20							27												39					44			47	
*40:159	–			3					8												20	21	22																						44			47	
*40:166	–																				20							27									36	37										47	
*40:178	–																				20	21	22																							45		47	
*40:180	–													13							20	21	22																									47	
*40:183	–																				20	21						27												39								47	
*40:184	–																	17		19			22																38									47	
*40:185	–															15						21						27						33														47	
*40:209	–															15						21												33														47	
*40:222	–								8												20							27																	44			47	
*40:244	–			3																20	w																										47	
*41:01-07,10-11,14-17,23,27	B41, –		2																		21				25																						47	
*41:08	B41																					21				25		27																				47	
*41:09	–																					21	22			25																						47	
*41:12	–		2														16					21				25								33														47	
*41:13	–		2																						25																						47	
*41:18	–		2															17				21				25																						47	
*41:19	–		2																		20	21				25																						47	
*41:20-22,25-26,28	–																					21				25																						47	
*41:24	–		2						8																25																			44			47	
*42:01:01-02,10,12,14,17-19	B42, –		2																																	35	36							43				47	
*42:04,13	B42, –		2																																	35	36											47	
*42:05:01-05:02,08	B42																																			35	36							43				47	
*42:06,20	B42, –		2																																	35								43				47	
*42:07	–		2																																		36							43				47	
*42:09	B42		2																																	35								43	44			47	
*42:11	–		2																		21				25								33										43				47	
*42:15	–		2																																	35	36							43					
*42:16	–	1	2																																	35								43				47	
*44:02:01:01-02:07,02:09-02:11w,02:12,02:13w-02:21,02:23-02:29w,05:01-05:04,11,19N,22-24,27:01-27:02,33-34:01,41:01-41:02,48-49,51-52N,55,58N-59:02,63,66-68,70-73w,74,78w,80,86-88,93,99-100,102,104,112,113w,116,118-119,121,123,126:01-126:02,133,136-139,142,151-152,162,168-169,171N-173,176-177,179	B44, –, Null																						22		24	25																					46		
*44:02:08,42,91,101,132,170	B44, –																						22			25																					46		
*44:02:22,03:01-03:16,03:18-04,07,13,26,28:01-28:02,30,32,35-36,38-39,45,56N,61N,65,69,76,79,81,85,92,94,96-98,103,105,107-108N,109w-111,114-115,120w,122,125,128,141,143,146,154-155,157,159-161,163-165,167,174-175,178,180-181	–, B44, Null																						22		24																						46		
*44:03:17,37:01-37:02	–, B44																						22																							46		

HISTO TYPE B low
Update 07/2013 (V15.3)

***Evaluation Diagram* / Auswertediagramm**

Lot: xxxxx
Score: BAG / B low_V15_xxxxx_3.13.1

Positive reactions																																																		
Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Product size [bp]		430	170 280	645 500	145	445	185	640	430	525	380	470	100	445	395 610	135	180	430	505 515 540	405 515	635	475	615 675	145 685	545	550	470	145 285	335 390	605	530	150	375	135 160	235	355 560	425	555 365	360 545	385 120	420 445 485	295 410	510 455	505	495	200 540	364 Bw4	347 Bw6	
*44:06 / **51:42**	B44, –	1																													30																46		
*44:08,134,145,148-149N	B44, –, Null																								24	25																					46		
*44:09,131	B45, –																						22			25																			45		47	
*44:10,77,82	B44, –																						22		24																				45	46		
*44:12	B44	1																					22		24	25																				46		
*44:14,140	B44, –																						22		24	25																			45	46		
*44:15	B12																						22		w	25				29																46		
*44:16	B47/B44																				20		22			25																				46		
*44:17	B44								8														22		24	25																		44		46		
*44:18	B44																						22			25			28	29	30															46		
*44:20	B44			3																			22		24	25																				46		
*44:21	B44																				20		22		24	25																				46		
*44:25,95	B44, –																						22			25					30															46		
*44:29	B44																		18				22		24													38							46		
*44:31	B44																				20	21			24			27																	45	46		
*44:34:02	–																16						22		24	25							33													46		
*44:40	B44												12												24																					46		
*44:43:01-43:02	B44, –								8														22		24																			44		46		
*44:44	B44												12												24	25																				46		
*44:46,129	B12, –																						22																						45		47	
*44:47	B44			3																			22		24																					46		
*44:50	B44																						22								30															46		
*44:53	B44																					21	22		24	25																				46		
*44:54,135	B44, –																						22		24										34											46		
*44:57,130,147,156	–																								24																					46		
*44:60	–																								24									33												46		
*44:62	–																						22		24	25																42			45	46		
*44:75	–																						22			25																			45			
*44:83	–																16								24	25							33													46		
*44:84	–																						22		24	25							33													46		
*44:89	–																		18				22		24	w												38							46		
*44:90	–																						22														37							45		47	
*44:106,158	–																						22		24	25									34											46		
*44:117	–																	17					22		24	25																				46		
*44:124	–																				20		22		24																					46		
*44:127	–																						22		24	25																						
*44:144	–								8																24																			44		46		
*44:150	–																				20		22																39							46		
*44:153	–																						22		24													38							46		
*44:166	–		2																			21				25																				46		
*45:01,03,05w,07,11-14	B45, –																						22			25				29															45		47	
*45:02	B45																	17					22			25																			45		47	
*45:04,08	B21, –																						22			25				29																	47	
*45:06	B45																						22							29						35		w								45		47	
*45:09	–								8														22			25																		44	45		47	
*45:10	–																				20		22			25				29																	47	
*46:01:01-01:05,01:07-02,04-05,07N,09-11,13:01-15N,16w,18,20-39,42	B46, –, Null, B22							7																			26																					47	
*46:01:06	–							7																																								47	
*46:03,08	B46							7																			26					31																47	
*46:06	–							7																				27																				47	
*46:12	–							7																			26							34														47	
*46:17	–																										26																		45		47	
*46:19	–							7											18	19							26																				47	
*46:40	–															15											26																					47	
*47:01:01:01-01:02,04-07	B47, –, B17													13							20		22																							46		
*47:02	B47													13							20		22																								47	
*47:03	B47													13							20		22																							46	47	
*47:08	–													13									22																							46		
*48:01:01-01:04,09,11,16w,19-20,22,27,28w,30	B48, –																					21						27						33										43			47	
*48:02:01-02:03	B48/B70, –								8																									33										44			47	
*48:03:01-03:02,21	B48, –																					21						27						33													47	
*48:04,10,13,24	B48, –																					21												33										43			47	
*48:05,08	B48, –																					21												33							39			43			47	
*48:06,31 / **81:05**	–																											27																43			47	
*48:07	B48																	17				21						27						33										43			47	
*48:12	B48																																	33										43			47	
*48:14	B48								8																									33										43	44		47	
*48:15	B48																					21						27						33							39			43			47	
*48:17	–																	17				21						27						33													47	
*48:18	B48																					21						27						33										43		46		
*48:23	–								8													21						27						33											44		47	
*48:26	–													13														27						33													47	
*48:29	–																											27						33										43			47	
*49:01:01-01:04,06,08-09,11-17,19N-20,22-23	B49, –, Null																						22						28	29	30															46		
*49:02	B49																						22							29																46		
*49:03	B49																												28	29	30			33												46		
*49:04	B49								8														22								30	31												44		46		
*49:05	B49								8														22								30													44		46		
*49:07	–																				20		22						28	29																46		
*49:10,24-25	–																						22						28		30															46		
*49:18	–																						22								30											42				46		
*49:21	–																						22						28	29	30																	
*49:26	–				5	6							12																28	29	30															46		
*50:01:01-01:03,04-05,07-08,10-12,15,17-19,32	B50, –																						22							29																	47	
*50:02	B45																						22							29															45		47	
*50:06	–																													29																	47	
*50:09	–																	17					22																								47	
*50:13,16	–																						22																								47	
*50:20	–													13									22																								47	
*50:31	–																				20		22							29																	47	
*50:33	–								8														22									31												44			47	
*51:01:01,01:03,01:05-01:08,01:10-01:17w,01:18-01:32w,01:33-01:38,01:40-02:01,02:03,02:05-03,08-09:01,11N,13:02-14,17-18,20,24:03-24:04,26-30,32-33,35,38,40-41N,43-44N,46,48-53,55,57-58,60-61:02,63,65-77,79-80,83-84,86-89,91,94,95w-100,102,105,107,109-111,113,114w-118N,120-131,133-134,136-138,140-142,145-147,149N-151,154	B51, –, B5102/B51, B5103/B51, Null																														30		32										42				46		
*51:01:02,01:09,02:02,05,09:02,132	B51, B5102/B51, –																16														30		32										42				46		
*51:01:04,02:04,13:01,24:01-24:02	B51, B5102/B51																														30		32														46		
*51:01:39,16,21,31,34,36,78:01,82,143,153	–, B51																																32										42				46		
*51:04,06:01-07:01,22,56:01,59,139,152	B51, –																														30												42				46		
*51:07:02	–																16														30												42				46		
*51:10	B51																																32														46		
*51:12	B51/blank																														30		32										42				w		
*51:15 / **59:04**	–																16												28		30		32													46		
*51:19	B51																		18												30		32						38				42				46		
*51:23,108	B51, –																														30		32										42			45	46		
*51:37	B51																														30	31	32								40		42				46		
*51:39	B51																														30		32									41	42				46		
*51:45	–																														30	31									40						46		
*51:54,78:02,93,144	–																16																32										42				46		
*51:56:02	–														14																30												42				46		
*51:62	–																												28		30																46		
*51:64	–																														30				34								42				46		
*51:81 / **58:27**	–																																														46		
*51:85	–													13																	30		32										42				46		
*51:90	–	1																													30		32								40		42				46		
*51:92	–																														30		32								40						46		
*51:101	–																		18														32						38				42				46		
*51:103,119	–			3																											30		32										42				46		
*51:104	–							7																							30		32										42				46		
*51:106	–																												28		30		32										42				46		
*51:112	–																						22								30		32										42				46		
*51:135	–	1																													30										40		42				46		
*51:148	–																16														30				34												46		
*52:01:01:01-01:01:02,01:03,01:05-01:08,01:10-01:12,01:14-01:17,04-05,07,10:01-11,13,17,22w-24,26,28-31	B52, –																16														30			33													46		
*52:01:02,01:04w,01:09,01:13,03,06:01-06:02,09w,16,21,27	B52, –																														30			33													46		
*52:02:01	B52							7																							30			33													46		
*52:08,20	B52, –																16																	33													46		
*52:12	–																16														30			33							40						46		

Positive reactions

Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Product size [bp]		430	170 280	645 500	145	445	185	640	430	525	380	470	100	445	395 610	135	180	430	505 515 540	405 515	635	475	615 675	145 685	545	550	470	145 285	335 390	605	530	150	375	135 160	235	355 560	425	555 365	360 545	385 120	420 445 485	295 410	510 455	505	495	200 540	364 Bw4	347 Bw6	
*52:14	–																16	17													30			33													46		
*52:15	–																16														30			33												45	46		
*52:18	–																16														30																46		
*52:19	–																16									25					30			33													46		
*52:25	–																16												28		30			33													46		
*53:01:01-01:07,02,04,05w,10,16w,18,20-27,29	B53, –														14		16														30										40						46		
*53:01:08	–														14																30										40						46		
*53:03,11-12,31	B53/B35, –														14		16																								40						46		
*53:06	B53/B51														14																30	31									40						46		
*53:07	B53																16														30										40						46		
*53:08:01-08:02	B53														14		16														30	31									40						46		
*53:09	B53								8								16																								40						46		
*53:13	B53														14		16																														46		
*53:14	–														14		16														30				34						40						46		
*53:15	–		2												14		16														30										40						46		
*53:17:01-17:02	–								8								16														30			33							40						46		
*53:19	–														14		16														30																46		
*53:28	–								8								16														30	31		33							40						46		
*53:30	–														14		16						22								30														44		46		
*54:01:01-01:04,07-08N,10,13-14,16-23,26-29	B54, –, Null																																			35						41						47	
*54:02	B54																													29						35						41						47	
*54:03	B22																																			35		37				41						47	
*54:04,11	B54																																			35	36					41						47	
*54:05N	Null																																			35												47	
*54:06 / **56:08**	–, B56																																					37										47	
*54:09 / **56:38N**	–, Null																																			35		37										47	
*54:12	–																												28							35						41					46		
*54:15	–	1																																		35						41						47	
*54:24	–																																32			35						41						47	
*54:25	–																																									41						47	
*54:30	–																16																									41						47	
*55:01:01-01:03,01:05-03,05,07,09-11,13,15,19,21-22,24-26,29-31,33,36-48,50,52-59	B55, –, B54, B22, Null				4																															35												47	
*55:01:04	B55				4															19																35							42					47	
*55:04,17,28,49	B55, –				4																															35	36											47	
*55:08	B56				4																																36	37										47	
*55:12	B55				4																															35													
*55:14	–				4																											31				35									44			47	
*55:16	B55				4																									29						35												47	
*55:18	–																16																	33														47	
*55:20	B22		2		4																															35	36											47	
*55:23,32	B55, –				4																															35									44			47	
*55:27	B55	1			4																															35												47	
*55:34	–				4																													33		35												47	
*55:35	–							7																												35												47	
*55:51	–				4																														34		36	37										47	
*56:01:01-01:06,10,13,16,19N-20:02,22,24-30,34,37 / **14:21**	–, B56, B55, Null				4																															35		37										47	
*56:02,04,11	B56				4																																	37										47	
*56:03	B22/15																																					37							44			47	
*56:05:01-05:02	B56				4															19																35	36	37					42					47	
*56:06	B78															15				19																35	36	37					42					47	
*56:07	B56				4																															35		37									46		
*56:09	B56				4																																	37							44			47	
*56:12,15	B22, B56				4																															35	36	37										47	
*56:14	B56																										26																					47	
*56:17,23,33,42	B56, –																16																															47	
*56:18,31	–				4																															35		37							44			47	
*56:21	–				4																										30					35	36	37					42				46		
*56:32	–				4																											31				35		37							44			47	
*56:35	–				4																									29						35		37										47	
*56:36	–			3	4								12																							35		37										47	
*56:39	–				4			7																												35		37										47	
*56:41	–				4																															35		37											
*57:01:01-01:03w,01:04-01:07,01:09-04,06,09-10,14-15,17-21,23-24,27-31,33-42,44,46-50,52-56,58-62,64-65	B57, –, Null							7																							30								38								46		
*57:01:08	–, B57							7																							30								38										
*57:05 / **58:36**	B57, –							7																							30									39							46		
*57:07	B57																														30								38							45	46		
*57:12	B57							7																															38									47	
*57:13	B57							7		9																						31							38								46		
*57:16	–																														30								38								46		
*57:22	–							7		9																					30	31							38								46		
*57:25-26,43	–							7																															38								46		
*57:32	–							7						13																	30								38								46		
*57:45,51	–																						22								30								38						44		46		
*57:57,63	–							7		9																					30								38								46		
*58:01:01-02,04,07,09,11-13,15-16:02,21-26,29,31N-34,38-42w,43,45	B58, –, B17, Null																														30									39	40						46		
*58:05,17N,35,37	B58, Null, –																																							39	40						46		
*58:06,19,46	B58, –									9																					30	31								39	40						46		
*58:08:01-08:02	B17/B5, –									9																					30																46		
*58:10N	Null																														30									39							46		
*58:14	B58																														30								38	39	40						46		
*58:18	–																														30				34					39	40						46		
*58:20	–																		18																				38								46		
*58:28	–																														30																46		
*58:44	–																														30									39					44		46		
*59:01:01:01-01:01:02,05-06	B59, –																16												28				32														46		
*59:02-03	B59, –																16																32														46		
*67:01:01-01:03,03	B67, –				4														18	19				23												35		37										47	
*67:02	–																		18	19				23			26																					47	
*73:01-02	B73, –			3									12																													41						47	
*78:01:01-01:02,02:02,07	B78, –															15				19													32										42					47	
*78:02:01,04	B78, B35															15	16			19													32										42					47	
*78:03	B78															15				19																							42					47	
*78:05	–															15	16			19														33														47	
*78:06	–																16			19														33															
*81:01-81:04N,06	B81, –, Null																											27									36							43				47	
*82:01-03	B82, –				4																																	37								45		47	
*83:01	–	1																																				37								45		47	
A*02:298,406 / C*02:07	–, Cw2													13																																			
A*03:01:24	–				4																																												
A*24:143	–																														w																		
C*01:32, 02:56, 03:102, 06:20, 07:81,168	–																										26																						
C*01:73	–							7																																									
C*02:23, 07:38:01-38:02	–, Cw7																											27																					
C*03:05,25,27,167	Cw3, Cw10, –																																		34														
C*03:175, 15:09,19,27,61	–																															31																	
C*04:77	–																											27												39									
C*05:01:06	Cw5					5																																											
C*05:70	–																		18																														
C*06:02:24	–																																							39									
C*06:40	–																		18					23																									
C*07:46	Cw7																																												44				
C*07:137:01-137:02	–																		18	19				23																									
C*07:294	–																																											43					
C*12:90	–																																					37											
C*15:25	–																																													45			
C*15:71	–																												28																				
Contamination Control / Kontaminationskontrolle																																																	48
Allele	Sero.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48

HISTO TYPE B low — Spezifitätstabelle / Specificity table — Lot: xxxxx

Update 07/2013 (V15.3) — **11/2013** — **Score: Version BAG / B low_V15_xxxxx_3.13.1**

Mix #	5´ Primer*	3´ Primer*	Größe / *Size* [bp]	Spezifität / *Specificity* B*
1	259 AAC	412 GTC	430	07:02:01-02:38,02:39-04,07,08,10,12,14-16,18:01-31,33:01,33:02,35-39,41-49N,50-52,55-67N,68:01-68:03,70-77,79,81-89,91-96:02,98-104,106-111N,113,114,116-122,124-135N,136,139,141-161N,163-167N,168-175,177-181N,183-196,198 / 08:07,87,111 / 14:23,33 / 15:10:01,10:02,37,90,99 / 35:34,39,199 / 39:29 / 42:16 / 44:06,12 / 51:42,90,135 / 54:15 / 55:27 / 83:01
2	473 CCG 361 AGC	603 GTG	170+280 170 280	08:01:01-05,07,10,11,13-15,17-19N,20-30N,31-48,50-59:02,61-67N,68-72N,73-78,80-82N,83,85,86N-88,90-102,104-106,108-111-/ 35:87 / 41:02:01-02:05,04,10,11,13,15,18,19,23,24,27 / 42:01:01-01:03,02,06,07,09-12,14-20 / 44:166 08:09,12:01-12:03,16,49,60 / 41:01,03:01,03:02,05-07,12,14,16,17 / 42:04,13 / 53:15 / 55:20 08:08N
3	140 TCA	362 TCG 506 TGA	645 / 500	13:01:01-04,06,07N,08-16,18-21,23,25-32,34-49N,50-56N,57-63N,64-68,70 / 27:14,81,98 / 40:06:01:01,06:01:02,06:02-06:07,44,53,70,75,83,86,91,93,95,96,103,109,110,127,131,148,159,161,162,165,167,177,190,230,244 / 44:20,47 / 51:103,119 / 56:36 / 73:01,02
4	173 TGA	278 GGG	145	07:02:03,05:04,56:01 / 14:21 / 15:255 / 38:26 / 55:01:01-05,07-17,19-34,36-55N,56-59 / 56:01:01-01:06,02,04-05:02,07,09-13,15,16,18,19N-22,24-28N,29-32,34-37,39,41 / 67:01:01-01:03,03 / 82:01-03 / **A*03:01:24** (sometimes weak / manchmal schwach)
5	244 GAA	409 ATA	445	14:01-02:02,02:04,02:05,02:07-07N,08,09-12,14-20,22,24-32,34-37 / 38:22 / 49:26 / **C*05:01:06**
6	101 CCG	246 TAT	185	14:02:01,02:02,02:04,02:05,02:07-06:02,09,11,13,15-18,20,22-25,27-31,33-37 / 15:189 / 35:26 / 38:05,33 / 39:04,12 / 49:26
7	207 GGC 204 GGG	570 CAC	640	15:01:01:01,01:01:02N,01:02-01:04,01:06-01:33,02:01-02:06,04-08,11:01-11:05,13:01,13:02,15,16:01-16:03,17:01:01,17:01:02,17:02,20,21,24:01-26N,27:01-28,30-36,38:01-39:02,40,42-45,48,50,55-58,60,63,65-67,70,71,73,75-79N,81-89,92,94N-97,101,102,104,105,107,109-111N, 112,113,116-118,120-122,125,126,128,129,135-142,144-149N,150,152,154,155,157,159,160,162-172,174,175,177-179,181N,182N-185,187-190N,191-196,199,201,202w-209N,211,213-218Q,219,222-225,227,228,230-234,236,237,240,241,244,245Q,246N-251,254,256-258N,260-262N,264,265,267-272N,273,276-280 / 13:01:01-04,06,07N,08Q-23,25-49N,50-56N,57,59-63N,64-68,70 / 27:67 / 35:46,207 / 40:21,137 / 46:01:01-07N,08-15N,16,18-39,42 / 51:104 / 52:02:01 / 55:35 / 56:39 / 57:01:01-01:15,02:01-06,08-15,17-44,46-50,52-65 / 58:36 / **C*01:73**
8	270 CTC	419 CGG	430	15:01:01:01, 01:01:02N,01:02-01:04,01:06-01:33,02:01-07:02,12-15,19,20,24:01-26N,27:01-28,31-36,38:01-40,43,46-47:02,49,50,53-55,57,60-62,64:01-65,68-71,74,75,78:01-78:03,79N,81,82,84,85,87-89,91,92,94N,96-98,102-107,109-111N,112,113,116-118,120-123,125,126-129,131,132,135,136,138,139-142,144-147,151,154-160,163-167,169-175,178,179,181N,182N-185,187,190N,192-195,199,201-207,210-214,217,218Q-220,223,225,227,228,231,232,234,235,237,239-242,244,245Q,246N,247,249-251,256-258N,259-262N,265-267,270-272N,274,276-278,280-282 / 13:04,10,26 / 18:01:01:01-06,08-15,17N-22,23N-25,27,28,30-32,34-60,62-74N,75-78,80-91 / 35:20:01,20:02,28,63,72,226 / 37:35 / 40:03,20,38,52,59,60,105,158,159,222 / 41:24 / 44:17,43:01,43:02,144 / 45:09 / 48:02:01-02:03,14,23,25 / 49:04,05 / 50:33 / 53:09,17:01,17:02,28
9	283 GCG	527 CCT	525	15:16:01-16:03, 17:01:01, 17:01:02, 17:02, 67, 95,168,177,196,208,216,230,254,268,273 / 57:13,22,57,63 / 58:06,08:01,08:02,19,46
10	43 GGA	255 CGG	380	15:02:01-02:05, 08-11:05,13:01,13:02,15,18:01-18:04,21,23,29,31,37,44,51,52,55,64:01,72,76,80,88-90,93,99,108,112,114,115,119,121,124,133,134,139,143,144,148,153,161,170,186,189,191,194,197,198,200,209N,213-215,221,223,226N,229,238,252,263,265,275
11	232 CAA	419 CGG	470	18:01:01:01-01:08,01:10,01:11,01:13-01:18,02-15,17N-22,23N,24,25,27,28,30-36,38-47,49-54,56-60,62-74N,75-81,83-91 / 15:64:02 / 35:20:02
12	140 TCA	203 CTC	100	27:01-04:03,05:02-05:17,05:19-21,23-51,53-59N,60-64N,65N,66N,68-74,76-94N,95-106 / 07:177 / 08:102 / 38:16 / 40:46,93 / 44:40,44 / 49:26 / 56:36 / 73:01,02
13	245 AGT	411 TGG	445	27:01,02:01,02:02,04:01-04:03,05:02-05:22,08,10,12-19,23,25,26,28-32,36-40,42,44,45,47-59N,60-64N,65N,66N-75,77,79-90:02,92-94N,95-101,103-105 / 07:197 / 08:14 / 15:17:01:01, 17:01:02,17:02,230,273 / 37:02 / 40:124:01,124:02,180 / 47:01:01:01-08 / 48:26 / 50:20 / 51:85 / 15:162,168,177,196,208,216 / 57:32 / **A*02:298,406 / C*02:07**
14	270 CTT	387 TCG 603 GTG	395 610	35:01:01:01-01:35w,01:36-01:38,02:01-03:06,03:08-09:03,11:01-11:03,14:01-15,17-19,21,23-25,27,29:01-30,32:01-38,40N-42:02,45-50,52,53N-58,61:02,62,64:01-65Q,66,68:01,68:02,70,71,74,75,77,78,81,84,87,89-94,96-98,100-101:02,103-112w,113-116,119-129N,130N-134N,136-145N,146-148,150-163,165N-173N,174-184,187-198,200,202-206,209-211,213,214,216N-225,227-229,231,232 / 51:56:02 / 53:01:01-06,08:01,08:02,10-16, 18-27,29-31 / 08:01:01-03,05w,07,08N,09-16,18,19N,20-30N,31w-37,39-42w,43-53:01,53:02,55-64,66,67N-72N,73-78,80-82N,83-86N,87-100,102,104-109,111
15	204 GAC	302 GGC	135	35:01:01:01- 03:02,03:04-08:02w,08:03-08:05w,08:06-18,20:01-24:02,28-40N,41-45,48,50-53N,54,55,57-62,64:01-65Q-72,74-129N,130N-134N, 135-145N,146-153,155-165N,166-173N,174-184,186-197,199-202,204-206,208-210w,211-216N,218-229,231-233 / 07:65,134 / 08:32 / 15:202, 239 / 18:01:01:01-08,10-15,17N-22,23N-36,38-47,50-53,55-65,68-74N,75-78,80-91 / 37:11,37 / 39:19:01,19:02 / 40:185,209 / 46:40 / 56:06 / 78:01:01-05,07
16	142 GCA	283 TGT	180	13:17,33 / 15:01:01:01,01:01:02N,01:02-01:04,01:06-01:15,01:17-01:33,02:01-02:06,04-08,11:01-15,19-21,24:01-26N,27:01-28,30-36,38:01-40,42-46,48,50,55-58,60,63,65,66,70,71,73,75,77-79N,81-89,92,94N,96,97w,102,104-107,109-111N,112,113,116-118,120-122,125,126,128,129,135-149N,150,152,154,155,157,159,160,163-167,169-172,174,175,178,179,181N,182N,184,185,187-190N,191-195,199,201-207,209N,211,213-215,217,218Q,219,223-225,227,228,231-234,236,237,239-241,245Q,246N-250,256-258N,259-262N,264,265,267,269-272N,276-280 / 35:01:01-01:32, 01:34-08:04,08:06-24:02,26-40N,41,42:01,43:01-53N,54-62,64:01-65Q-72,74,75,77-83,85-89,91,92w-123,126-129w,130N-134N,135-141,143-145N, 146-149,151-161,163-165N,166-173N,174-183,187-200,202-216N,218-228,231-233 / 08:26,56:01,56:02 / 18:29 / 37:22 / 38:28 / 40:10:01,10:02, 21,137 / 41:12 / 44:34:02,83 / 51:01:02,01:09,02:02,05,07:02,09:02,15,54,78:02,93,132,144,148 / 52:01:01:01-01:01:02,01:03,01:05-01:08,01:10-01:12,01:14-01:17,04,05,07,08,10:01-15,17-20,22w-26,28-31 / 53:01:01-05,07-31 / 54:30 / 55:18 / 56:17,23,33,42 / 59:01:01:01-06 / 78:02:01,04-06
17	270 CTC	419 CGA	430	37:01:01-01:08,03N-06,08w,10,11,13-20,22-30N,31-33N,34,36,37 / 13:46,51 / 15:58,137,253 / 38:03 / 39:02:01,02:02,08,13:01,13:02,23,39:01w,39:02w,49 / 40:36,77,86,184 / 41:18 / 44:117 / 45:02 / 48:07,17 / 50:09 / 52:14
18	309 GAT 317 TCC 281 AGG	544 GGT	505/515 540	38:01:01-09,11-16,18-29,31-34N,35,37w-43 / 44:29,89 / 51:19,101 / 58:20 67:01:01-01:03,02,03 / 07:45 / 38:26 / 46:19 / **C*05:70, *06:40, *07:137:01,137:02**
19	309 GAA	435 TCT 544 GGT	405 515	15:01:02,09,243,252,277,278 / 07:02:11,05:03 / 35:01:10,04:02 / 40:01:06,26,28,95 / 50:14 / 55:01:04 / 56:05:01-06 / 78:01-07 39:01:01:01-20,22-24:02w,25N,26-29,31,32,35,37,38Q-39:02,40:01N,40:02N-42,44-81,83 / 07:45 / 08:55 /15:48,69,108,136,186,235,249,265 / 35:35 / 40:184 / 46:19 / 67:01:01-02,03 / **C*07:137:01,137:02**
20	204 GAA	559 CTC	635	40:01:01-04,06:01:01-11:02,13-16,18-20,22N-25,27:01,27:02,29-38,40,42-45,47-50,52-62,64-70,72:01-91,94-118N,119-133Qw,134-136,138-142N, 143,144N-155N,156w-162,164-173,175-183,186-198,200-207,210-216N,217-240,244-246 / 07:133 / 41:19 / 44:16,21,31,64:01,64:02,124,150 / 45:10 / 47:01:01:01-07 / 49:07 / 50:31
21	270 CTC	463 GCG	475	40:01:01-01:08,01:10-02:13,02:15-06:07,09-12,14:01-16,18-22N,23-25w,27:01,27:02,29-34,36-40,42-60,62-67,69w,70,72:01-74,76,78-81,83-86,88-94,96-105,107-118N,119,120,122-133Q,134-142N,143,144N-146w,147-155N,156,157,159-161,163-165,167-183,185-195,197-204w,205-211w, 212-216N,217-219,221,223-231,233-236,238-240,244w-246 / 07:27w,50w,183w / 08:17,54,110w / 13:21 / 15:33,78:01-78:03,107,116,141,150,188, 248 / 18:21w / 37:07,09,12 / 41:01-12,14-23,25-28 / 42:11 / 44:31,53,166 / 48:01:01-01:04,03:01-05,07-11,13,15,16w-24,27,28,30
22	204 GAA	539 TCC 602 TCT	615 / 675	07:133 / 15:46,53,106,143,212 / 18:48 / 35:19,47,63,154,217 / 37:06 / 39:69 / 40:02:01-06:07,08,09,11:01,11:02,13,15,16,18-20,23,24,26-29,32,35,37,39,40,44,50,51,53,56-58,64,68,70,71,75,78,82,83,85,86,89-92,94-99,103-105,107,109-111,115,119,120,122,127-131,133Q,142N-144N,145,148,157,159,161-165,167,169,173,174,176-178,180,181,184,189,190,198,200-203,205,206,211,214,219,220,224-226,229,230,232,234,246 / 41:09 / 44:02:01:01-02:13w,02:14-02:17w,02:18-02:29,03:01-05:04,07,09-19N,20-23N,24-30,32-39,41:01-43:02,45-52N,53-56N,58N-59:02,61N-82,84-108N,109-129,131-133,135-138Q,139-142Q,143,146,150-155,157-160Q,161-165,167-171N,172-181 / 45:01-14 / 47:01:01:01-08 / 49:01:01-02,04-14w,15-19N,20-25 / 50:01:01-02,04,05,07-20,31-33 / 51:112 / 53:30 / 57:45,51
23	140 TCT	246 TAT 544 GGT	145 145 / 685 685	07:02:32 / 14:01:01-02:02,02:04,02:05,02:07-07N,08-20,22-36w,37 / 38:10,30,36,37 / 39:30,33,34,36,43,57,82 38:01:01-02:02,02 :04,02 :05,03,05,07-09,11-15,17-24,26,27,29,31-34N,35,38-43 / 39:01:01 :01-01:08,01:10-01:16,02:01,03-09,11,12,14,15,18,19:02,22,24:01,24:02,25N-29,31,32,37,38Q,39:01,40:01N,40:02-42,44,46-48,50-53,55,56,58-62,64-81 / 67:01:01,03 07:45 / 08:55 / 15:69,108,186,235 / 38:02:03,04,06,25 / 39:01:09,02:02,10:01,10:02,13:01,13:02,16,17,19:01,20,23,35,39:02,45,49,83 / 67:01:02,01:03,02 / **C*06:40, *07:137:01,137:02**
24	308 GCA	572 GCG	545	44:02:01:01-02:29w,03:01-05:04,07,08,10-14,15w,17,19N-22,23N,24,26-36,38-41:02,43:01-45,47-49,51,52N,53-56N,57,58N,59:01-61N,62,63,65-74,76-78w,79-89,92-94,96-100,102-108N,109w-120w,121-128,130,133-138Q,139-142,143-149N,151-160Q,161-165,167-169,171N-181
25	270 CTC	538 GTC	550	45:01-04,05w,07-14 / 08:04,17,54,110 / 13:46 / 15:83,179,199,218Q / 18:56 / 37:01:01-01:08,03N-06,08,09-20,22-30N,31-33N,34-37 / 40:136,231 / 41:01-28 / 42:11 / 44:02:01:01-02:11w,02:12-02:21,02:23-02:29,05:01-05:04,08,09,11,12,14-19N,20-23N,24,25,27:01,27:02,33-34:02,41:01-42,44,48,49,51,52N, 53,55,58N-59:02,62,63,66-68,70-73w,74,75,78,80,83,84,86,87-89w,91,93,95,99-102,104,106,112,113w,116-119,121,123,126:01-127,131-134,136-138Q,139,140,142,145,148,149N,151,152,158,162,166,168-171N,172,173,176,177,179 / 52:19
26	276 GCG	463 GCT	470	46:01:01-05,07N-15N,16w-40,42 / 56:14 / 67:02 / **C*01:32, *02:56, *03:102, *06:20, *07:81,168**
27	361 AGG 497 TCT	605 GCT	145 145/285 285	07:174 / 27:36 / 40:01:18,30,31,34,45,62,80,137,160:02 / 48:01:01-01:04,06,07,09,11,15,17-22,26-31 / 81:01-04N,05,06 48:03:01,03:02,16,23 / 40:01:01-01:17,01:19-01:29,07,10:01,10:02,12,21,22N,23,25,33,36,38,42,43,46-49,52,54,55,59-61,63,65-67,69,73,74,76,79,81,84,87:01-88,100-102,106,108,112-114,116-118N,123-126,128,132,134,135,138-141,146,147,149-155N,156,160:01,166,168,170-172,175,179,182,183,185-188,191-199,204,207,208,210,212,213,215,216N-218,221-223,227,228,231,233-240,245 / 44:31 / 46:06 07:07,77,163,193 / 18:35 / 40:14:01-14:03,72:01,72:02,77,121,136,158 / 41:08 / 15:138,230,241 / **C*02:23, *04:77, *07:38:01,38:02**

w = schwach / *weak*

* Das Codon am 3´ Ende des Primers. Die Nummer gibt die Nukleotidposition an. /
The codon at the 3' end of the primer. The number given is the nucleotide position.

Mix #	5´ Primer*	3´ Primer*	Größe / *Size* [bp]	Spezifität / *Specificity* B*
28	309 GAT	420 GCT 362 TAT	390 335	49:01:01-01:04,03,06-17,19N-26 / 44:18 / 51:15,62,106 / 52:25 / 54:12 / 59:01:01:01,01:01:02,04-06 / **C*15:71** 27:02:01,02:02,53,57,62,65N,75,77,83,95,102 / 38:22
29	95 TCC	420 GCT	605	49:01:01-03,06-09,11-17,19N-23,26 / 13:23,55 / 40:48,71 / 44:15,18 / 45:01,03-07,08,10-14 / 50:01:01-02,04-08,10-12,15,17-19,31,32 / 54:02 / 55:16 / 56:35
30	309 GAT	559 CAG	530	51:01:01-01:32w,01:33-01:38,01:40-09:02,11N-15,17-20,22-24:04,26,27N-30,32,33,35,37-41N,42-44N,45,46,48-53,55-77,79,80,83-92,94,95w-98N, 99, 100,102-110N,111-118N,119-142,145-149N,150-152,154 / 15:13:01,13:02,16:01-16:03,17:01:01,17:01:02,17:02,23-24:02,67,87,95,157,162, 168,177,196,208, 216,222,230,254,268,273 / 38:30 / 44:06,18,25,50,95 / 49:01:01-01:04,03-06, 08w-19N,20-26 / 52:01:01:01-01:03,01:04w-01:17,02:01-07,09w-19,21-31 / 53:01:01-02,04,05w,06-08:02,10,14-16w,17:01-30 / 56:21 / 57:01:01-01:03w,01:04-11,14-24,27,28N-42,44-65 / 58:01:01-02,04, 06-10N,11-16:02,18,19,21-26,28-31N,32-34,36,38,39N-46 / 59:04 / **A*24:143w**
31	417 GTC	527 CCT	150	07:09,11,162 / 15:03:01-03:04,16:01-16:03,18:01-18:05,23,29,39:01-40,47:01,47:02,49,61,62,64:01,64:02,67,69,72,74,80,93,95,98,103,115,119, 127,131,132, 134,138,153,158,161,173,176,194,195,197,198,210,220,221,223,226N,238,242,254,255,263,265,266,268,271,274,281,282 / 18:15,57 / 35:11:01-11:03,21,58,188,232 / 46:03,08 / 48:25 / 49:04 / 50:33 / 51:37,45 / 53:06,08:01,08:02,28 / 55:14 / 56:32 / 57:13,22 / 58:06,19,46 / **C*03:175, *15:09,19,20,27,61** (sometimes weak / manchmal schwach)
32	270 CTT	362 TCG	375	51:01:01-01:17w,01:18-01:42,02:01-03,05,08-11N,12-21,23,24:01-24:04,26,27N-40,41N,43,44N,46,48-55,57,58,60-61:02,63,65-80,82-98N,99-110N,111-114w,115-117,118N-134,136-138,140-147,149N-151,153,154 / 08:09,84 / 35:37,60 / 39:83 / 54:24 / 59:01:01:01-06 / 78:01:01-02:02,04,07
33	142 GCA 163 ACC	261 GTC 261 ATC	135+160 135 160	13:17 / 15:01:01:01,01:01:02N,01:02,01:03,01:06-01:08,01:10-01:15,01:17,01:18,01:20,01:21,01:23-01:32,04-07:02,12,14,19,20,24:01-26N, 27:01-28, 30,32-36,38:01-40,42,43,45,46,48,50,56-58,60,63,65,66,70,71,73,75,77-79N,81-87,92,94N,96,97,101,102,104-107,109-111N,113,116-118,122,125, 126,128,129,135-138,140-142,145-147,150,152,154,155,157,159,160,163-167,169,171,172,174,175,178,179,181N,182N,184, 185,187,188,190N, 192,193,195,199,201-207,211,217,218Q,219,224,225,227,228,231-234,236,237,239-241,245Q,247-250,256-258N,259-262N,264,267,269,270 / 35:10,13,16, 28,69,80,207,226 / 37:22 / 40:10:02,21,137 / 44:83 / 52:01:01:01,01:01:02,01:03,01:06-01:08,01:10-01:17,04,05,07,08,10:01-15,17,19,20,22-31 / 53:17:01,17:02,28 / 78:05,06 13:01:01-04,06,08Q-16,18-23,25-30w,31-35,37-49N,50-56N,57-63N,64 / 15:01:16,01:22,03:03,68,183,244,251 / 37:01:01-01:06,01:08-03N,04:01-07,09-21,23-30N,31-33N,34-37 / 39:13:02 / 40:02:04,83,185,209 / 42:11 / 44:60,84 / 48:01:01-05,07-28w,29,30 / 49:03 / 52:01:02,01:04,01:05,01:09,02:01,03,06:01,06:02, 09,16,21 15:01:04,01:09 / 40:10:01 / 41:12 / 44:34:02 / 55:18,34 (sometimes weak unspecific at about 650 bp)
34	361 AGC	559 CAG	235	07:20,24,60,100,131 / 08:21,25 / 15:07:01,07:02,45,55,68,126,207 / 35:05:01-05:03,22,51,58,72,89,97,114,199,232 / 40:05,71,174 / 44:54,106,135,158 / 46:12 / 51:64,148 / 53:14 / 55:51 / 58:18 / **C*03:05,25,27,167**
35	281 AGG	559 CGT 355 CCA	360+560 360 560	42:04 / 54:01:01-02,04,05N,07,08N,10-24,27-29 / 55:01:01-03,05,07,10-13,15-17,19-21,23,25-48,50,52-55N,56-59 / 56:31 07:78,84 / 45:06 / 54:03,26 / 55:09,22,24 / 56:01:01-01:06,05:01-07,13,15,16,19N-22,24-28N,29,30,34-38N,39,41 07:19,31,34,43 / 14:21 / 38:26 / 42:01:01-01:03,02,05:01,05:02,06,08-10,12-20 / 54:09 / 55:04,14,49 / 56:10,12,18,32 / 67:01:01-01:03,03
36	270 CTA	412 GTT	425	55:04,08,17,20,28,49,51 / 07:05:01-06,34,40,53,80,90,97,105,112,123w,137,138,140,176 / 40:61w,166 / 42:01:01-02,04-05:02,07,08,10,12-15,17-19 / 54:04,11 / 56:05:01-06,12,15,21 / 81:01-04N,06
37	281 AGG 276 GGG	559 CAG 362 TCC	555 365 365+555	56:01:01-01:06,05:01-09,11,13,15,16,19N-22,24-28N,29,30,34-38N,39,41 / 07:20w,24,60,100,131 / 35:76 / 45:06w / 54:03 / 55:51 / 82:01,02,03 56:10,12,18,31 / 07:07,14,18:02,137,162,163,193 / 14:21 / 38:26 / 40:166 / 56:32 / 67:01:01-01:03,03 / **C*12:90** 15:76,101,255 / 35:229 / 44:90 / 54:06,09 / 55:08 / 56:02-04 / 83:01
38	283 GCG 281 ACA	361 CAC 544 GGT	360 545	57:01:01-04,06-10,12-28N,29-65 / 44:153 / 58:14 38:01:01-02:05,03-09,11-25,27-29,31-34N,35,37w-43 / 39:01:01:01-01:11w,01:12-20,22-25N,26-29,31,32,35,37,38Q-40:01N,40:02N-42,44-51,53-81,83 / 08:55 / 15:48,69,108,136,186,235,249,265 / 35:35,208 / 40:30,34,184 / 44:29,89 / 51:19,101 / 58:20
39	283 GCG 525 TGA	387 TCG 605 GCT	385 120	58:01:01-01:12,02,04-07,09,10N,11-17N,18,19,21-26,29-31N,32-39N,40-46 / 57:05 / **C*06:02:24** 07:02:01-02:39,03-18:02,20-24,26-32,34-39,41-47,49N,50,52,54-59,61-67N,68:01-99,101-111N,112-121,123-135N,136-139w,140-155w,156-161N,162,163,166,167N-181N,182N-198 / 08:79 / 15:138,230,241 / 37:07 / 40:15,16,23,32,98,158,183,198 / 44:150 / 48:05,08,15 / **C*04:77**
40	270 CTC 204 GAC	409 ATG 368 CAG	425 450/490 425+490	07:27,50,183 / 08:110w / 15:15,24:02,64:01,64:02,194,233 / 18:66 07:65,134 / 18:07:01,07:02,12,29,33,37,48,79 / 35:01:01:01-01:38,03:01-03:12,05:01-05:03,07,08:01-08:06w,10,11:01-11:03,13-17,20:01, 21,23-24:02, 27-30,32:01-40N,41-43:01,45,48,50-53N,54-58,61:01-62,64:01,64:02,65Q-71,74-79,80,82,84-86,89-94,96-103w,104-120,122-128, 130N-133w,134N-145N,146-148,150-153,155,156,158-161,163,165N,166-171,173N-181,185-197,199,200,202-206,208-210w,212,213,216N,218, 219,221-229,231,232 / 37:01:01-01:09,03N-05,07-11,13-18,20-27,29,30N-33N,34-37 / 51:37,45,90,92,135 / 52:12 / 53:01:01-08:02,10-12,14-18,20-29,31 / 58:01:01-02,04-07,09,11-17N,18,19,21-26,29-31N,32-35,37-39N,40-43,45,46 18:01:01-06,08-11,13-15,17N,18,19,21-23N,24,25,27,28,30-32,34-36,38-47,49-60,62-65,67-74N,75-78,80-91 / 35:20:02,72 / 53:09
41	226 GTG 339 GGA	354 CAA	295 410	73:01,02 54:01:01-04,07,08N,10-30 / 51:39
42	204 GAA 259 AAC	435 TCT	510 455	40:01:06,26,28,95 / 44:62 / 49:18 / 50:14 / 51:112 07:02:11,05:03 / 15:09,252 / 35:01:10,04:02 / 51:01:01-01:03,01:05-01:42,02:01-02:03,02:05-09:02,11N,12,13:02,14,16-23,24:03,24:04,26,27N-40,41N,43, 44N,46,48-61:02,63-80,82-91,93-98N,99-110N,111,113-118N,119-147,149N-154 / 55:01:04 / 56:05:01-06,21 / 78:01:01-04,07
43	140 TCT	363 ATG	505	07:02:01-06,08-11,13,15-17,19-49N,50-55,57-64,66,67N-71,73-76,79-83,85-111N,112-135N,136,138-156,158-161N,164-167N,168-176,178-181N,182N-192,194-196,198 / 08:01:01-05,07,08N,10,11,13-15,17-19N,20-25,27-32,34-48,50-55,57-60,62-67N,68-72N,73-82N,83,85,86N-88,90-101,103-106,108-111 / 14:05,13 / 15:68 / 18:14,22 / 35:125 / 37:07,09 / 38:19 / 39:03,14,29,37 / 42:01:01-02,05:01-12,14-20 / 48:01:01-01:04,04-16,18-20,22,24,27-31 / 81:01-04N,05,06 / **C*07:294**
44	204 AGA 204 GAA	419 TGG	495	07:09,11,17,162 / 08:28,35,37,89,107 / 15:03:01-03:04,18:01,18:02,18:04,18:05,23,29,46-47:02,49,51-54,61,62,64:01,64:02,68,69,72,74,80,91,93, 98,103,106,108, 114,115,123,124,127,131,132,134,143,151,153,156,158,161,173,176,180,186,197,198,200,210,212,220,221,226N,235,238,242, 255,259,263,266,274,275,281,282 / 18:37,48 / 27:41,78 / 35:19,25,26,47,49,63,217 / 39:07,43 / 40:03,20,38,52,59,60,105,158,159,222 / 41:24 / 42:09 / 44:17,43:01,43:02,144 / 45:09 / 48:02:01-02:03,14,23,25 / 49:04,05 / 50:33 / 53:30 / 55:14,23,32 / 56:03,09,18,31,32 / 57:45,51 / 58:44 / **C*07:46**
45	309 GAA 410 ATA	570 CCG 572 GCG	200/545 200	82:01-03 / 83:01 / 07:20,64,140,153 / 15:12,14,19,91,131,161,270 / 18:56 / 35:45,71,169 / 40:132,178 / 44:09,46,62,75,77,82,90,129,131,140 / 45:01-03,05-07,09,11-14 / 46:17 / 50:02 / 52:15 / **C*15:25** 44:10,14,31 / 51:23,108 / 57:07
46	67 TGG	319 GCG	364	**Bw4:** 07:27,36,38,79,81,149 ,180/ 08:02-03,52,78 / 13:01:01-04,06,07N,08,10-23,25-28w,29-38,40-47,48,49N-56N,57-63N,64-66,68,70 / 15:13:01, 13:02,16:01-17:02,23-24:02,36,43,67,87,89,95,115,157,162,168,177,196,208,216,222,230,254,256,268,273 / 18:09,54,67 / 27:01-07:03,09-11,13-17, 19-21,23-25,27-32,34-39,41,43,45-59N,60-64N,65N,66N-94N,95-106 / 37:01:01-03N,04:01,04:02,06-10,12-16Q,17-30N,31-33N,34-36 / 38:01:01-34N,35-43 / 40:13,19,47,96,109,110,117,157,188,201 / 44:02:01:01-08,10-19N,20-23N,24-45,47-52N,53-56N,57,58N-61N,62-74,76-89,91-108N,109-126:01,128,130,132-138Q,139-142Q,143-149N,150-160Q,161-171N,172-181 / 47:01:01:01-01:02,03-08 / 48:18 / 49:01:01-19N,20,22-26 / 51:01:01-11N,12w,13:01-24:04,26,27N-41N,42-44N,45,46,48-98N,99-110N,111-118N,119-149N,150-154 / 52:01:01:01-31 / 53:01:01-31 / 54:12 / 56:07,21 / 57:01:01-01:07,01:09-07,09-11,13-28N,29-65 / 58:01:01-02,04-10N,11-17N,18-31N,32-39N,40-42w,43-46 / 59:01:01:01-06
47	67 TGG	302 GGC	347	**Bw6**: 07:02:01-10,12-26,28-35,37,39-49N,50-56:02,58-67N,68:01-74,76-80,82-111N,112-135N,136-148,150-161N,162-167N,168-179,181N,182N-198 / 08:01:01-01:03,01:05-01:21,04,05,07,08N-16,18,19N-30N,31-46,48-51,53:01-67N,68-72N,73-77,79-82N,83-86N,87-111 / 13:09 / 14:01-07N,08-37 / 15:01:01:01-01:04,01:06-12,14,15,18:01-21,25:01-26N,27:01-35,37-40,42,44-56,58,60-66,68-79N,80-86,88,90-94N,96-99,101-111N,112-114,116-129,131-134,136-149N,150-156,158-161,163-167,169-176,178-181N,182N-190N,191-195,197-207,209N-215,217,218Q-221,223-226N,227-229,231-245Q,246N-253,255,257,258N-262N,263-267,269-272N,274-282 / 18:01:01:01-08,10-15,17N-23N,24-48,50-53,55-66,68-74N,75-78,80-91 / 27:08,12,18,26,33,40,44 / 35:01:01:01-03:02,03:04-26,28-40N,41-53N,54,55,57-65Q,66-72,74-129N,130N-134N,135-145N,146-165N,166-173N,174-184,186-202,204-216N,217-229,231-233 / 37:11,14,37 / 39:01:01:01-19:02,22-25N,26-38Q,39:01,39:02,40:01N-83 / 40:01:01-01:04,01:06-12,14:01-16,18,20-22N,23-36,38-40,42-46,48-95,97-108,111-116,118N-133Q,134-142N,143,144N-155N,156,158-187,189-200,202-216N,217-240,244-246 / 41:01-28 / 42:01:01-02,04-14,16-20 / 44:09,46,90,129,131 / 45:01-14 / 46:01:01-07N,08-15N,16-40,42 / 47:02,03 / 48:01:01-17,19-31 / 50:01:01-02,04-20,31-33 / 54:01:01-05N,06-08N, 09-11,13-30 / 55:01:01-05,07-11,13-55N,56-59 / 56:01:01-06,08-19N,20:01,20:02,22-28N,29-38N,39,42 / 57:12 / 67:01:01-03 / 73:01,02 / 78:01:01-05,07 / 81:01-04N,05,06 / 82:01-03 / 83:01
48				Contamination Control / Kontaminationskontrolle

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