

Brucella table for alleles assignment [allele calling convention to convert alleles size (bp) into number of repeats (u)]

Panel 1 (agarose2%)													
bruce06-BRU1322_134bp_408bp_3u	140 (1u)	274 (2u)	408 (3u)	542 (4u)									
bruce08-BRU1134_18bp_348bp_4u	312 (2u)	330 (3u)	348 (4u)	366 (5u)	384 (6u)								
bruce11-BRU211_63bp_257bp_2u	257 (2u)	320 (3u)	383 (4u)	509 (6u)	635 (8u)	698 (9u)	887 (12u)	1013 (14u)	1076 (15u)				
bruce12-BRU73_15bp_392bp_13u	^b 302 (7u)	^b 317 (8)	327-332 (9u)	342-347 (10u)	362 (11u)	377 (12u)	392-397 (13u)	407-411 (14u)	422 (14u)	437 (14u)	452 (14u)		
bruce42-BRU424_125bp_539bp_4u	164 (1u)	289 (2u)	414 (3u)	539 (4u)	664 (5u)	789 (6u)	914 (7u)						
bruce43-BRU379_12bp_182bp_2u	170 (1u)	182 (2u)	194 (3u)										
bruce45-BRU233_18bp_151bp_3u	133 (2u)	151 (3u)	169 (4u)	187 (5u)									
bruce55-BRU2066_40bp_273bp_3u	193 (1u)	233 (2u)	273 (3u)	313 (4u)	353 (5u)	393 (6u)	433 (7u)				^a 553 (10u)		
Panel 2A (agarose3%)													
bruce18-BRU339_8bp_146bp_5u	130 (3u)	138 (4u)	146 (5u)	154 (6u)	162 (7u)	170 (8u)	178 (9u)	^a 186 (10u)					
bruce21-BRU329_8bp_148bp_6u	140 (5u)	148 (6u)	156 (7u)	164 (8u)	172 - 175 (9u)								
Panel 2B (agarose3%)													
bruce04-BRU1543_8bp_152bp_2u	144 (1u)	152 (2u)	160 (3u)	168 (4u)	176 (5u)	184 (6u)	192 (7u)	200 (8u)	208 (9u)	216 (10u)	224 (11u)	232 (12u)	240 (13u)
	256 (15u)	264 (16u)	272 (17u)	280 (18u)	288 (19u)	296 (20u)	304 (21u)	312 (22u)	320 (23u)	360 (28u)			
bruce07-BRU1250_8bp_158bp_5u	134 (2u)	142 (3u)	150 (4u)	158 (5u)	166 (6u)	174 (7u)	182 (8)	190 (9u)	198 (10u)	206 (11u)	214 (12u)	222 (13u)	230 (14u)
bruce09-BRU588_8bp_156bp_7u	124 (3u)	132 (4u)	140 (5u)	148 (6u)	156 (7u)	164* (8)	172 (9u)	180 (10u)	188 (11u)	196 (12u)	204 (13u)	212 (14u)	220 (15u)
	236 (17u)	244 (18u)	252 (19u)	260 (20u)	268 (21u)	276 (22u)	284 (23u)	292 (24u)					
bruce16-BRU548_8bp_152bp_3u	144 (2u)	152 (3u)	160 (4u)	168 (5u)	176 (6u)	184 (7u)	192 (8)	200 (9u)	208 (10u)	216 (11u)	224 (12u)	^a 232 (13u)	240 (14u)
	^b 254 (16u)	^b 270 (18u)											
bruce30-BRU1505_8bp_151bp_6u	119 (2u)	127 (3u)	135 (4u)	143 (5u)	151 (6u)	159 (7u)	167 (8)	175 (9u)	183 (10u)	191 (11u)	199 (12u)		
Previous Panel 2A member													
bruce19-Bru324_3bp_163bp_36u	76 (7u)	82 (9u)	^b 88 (11u)		163 (36u)	169 (38u)	^c 172 (39u)	^c 175 (40u)	178 (41u)	184 (43u)	187 (44u)	190 (45u)	193 (46u)

darker gray is the *in silico* inferred size in 16M genome sequence (NC_003317 and NC_003318) * observed size in Nouzilly-Orsay 16M reference strain

The indicated PCR product sizes are as obtained when using the primers published in Le Flèche et al. 2006 BMC microbiology. They need to be adjusted if alternative primers are used.

DNA sizing equipment must be calibrated by using reference strains as raw size estimates may need to be adjusted.

^a Alleles observed in *B. microti* isolates

^b Alleles observed in *B. ceti* isolates

^c Allele observed in *B. inopinata*

Le Flèche et al. 2006 version 3.5 (last modified April 8 2013)

Version 3.5 and 3.4 modifications concern the alleles size range for locus Bruce21-BRU329_8bp_148bp_6u: (172-175)bp encoded 9u;

for locus bruce12-BRU73_15bp_392bp_13u: (327-332)bp encoded 9u; (342-347) encoded 10u; (392-397)bp encoded 13u and all alleles larger than 407bp are called 14u;

locus Bruce19-BRU324_6bp_163bp_18u is renamed bruce19-BRU324_3bp_36u and new alleles size range is presented

248 (14u)

246 (16u)

228 (16u)

248 (15u)

202 (49u)