

Supplementary Table 1. Gel-electrophoresis settings for evaluation of long-range PCR products.

1% agarose gel	Agarose – BioReagent, for molecular biology, low EEO (Sigma-Aldrich, St. Louis, MO, USA)	0.6 g
	TAE buffer (1 x)	60 mL
Gel staining	Midori Green Advanced DNA Stain (Nippon Genetics Europe GmbH, Düren, Germany) - added directly into gel, prior to casting	1 μ L
PCR products preparation	4 μ L PCR product + 1 μ L DNA Loading Dye 6X (Thermo Fisher Scientific, Waltham, MA, USA)	
Marker	GeneRuler 1kb DNA ladder (Thermo Fisher Scientific, Waltham, MA, USA)	2.5 μ L
Instruments	SubCell [®] GT system (Bio-Rad, Hercules, CA, USA)	
Conditions	80 V, 45 min	
Visualization	GelDoc [™] system and Image Lab [™] software (Bio-Rad, Hercules, CA, USA)	