MRC-Holland MLPA®

COA Version 01; Issued 26 October 2018

Certificate of Analysis
SALSA® Binning DNA SD067

Catalogue #	**SD067**
Product name	**SALSA® Binning DNA SD067**
LOT	**S01-0718**

Σ	6 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25 °C and -15 °C.	
	Expiration date: July 2023, when stored at recommended conditions.	
Use	To be used with SALSA MLPA P045-C1 probemix (BRCA2/CHEK2) or SALSA MLPA P051-D2/P052-D2 probemixes (Parkinson) or SALSA MLPA P056-D1 probemix (TP53) or SALSA MLPA P102-D1 probemix (HBB) and SALSA MLPA reagent kits as described in the MLPA General Protocol and the corresponding probemix product descriptions.	
Quality Test 1	The mutation-specific probes, as described in the product description, produce a signal at the designed length.	PASS
Quality Test 2	The signal of the mutation-specific probes when tested with wild-type genomic DNA is <10% of the peak height generated when tested with SD067 SALSA Binning DNA.	PASS
Quality Test 3	The signal of the mutation-specific probes when tested with SD067 SALSA Binning DNA is at least 15% in peak height of the average probe signal of the 10 neighbouring probes and is not > 25% higher than any of the 10 neighbouring probes.	PASS
Quality Test 4	The 105 nt chromosome Y specific control probe should generate a signal on SD067 SALSA Binning DNA which is similar (+/-20%) to the signal obtained on wild-type male genomic DNA.	PASS
Quality Test 5	All SALSA MLPA probemix P045 (BRCA2/CHEK2), P051/P052 (Parkinson), P056 (TP53) or P102 (HBB) probes, other than the mutation-specific probes, show normal signals, similar (+/-20%) to the peak pattern obtained on wild-type genomic DNA.	PASS

EUROPE*: FOR IN VITRO DIAGNOSTIC (IVD) USE. THIS PRODUCT IS CE MARKED.
OUTSIDE EUROPE: FOR RESEARCH USE ONLY (RUO).

*comprising EU member states, EU member states candidates, and members of the European Free Trade Association (EFTA). The product is for RUO in all other countries within Europe.

Based on the concentrations present, none of the ingredients are hazardous as defined by the Hazard Communication Standard. **A Safety Data Sheet (SDS) is not required for these products**: none of the preparations contain dangerous substances (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and amendments) at concentrations requiring distribution of an SDS (as per Regulation (EC) No 1272/2008 [EU-GHS/CLP] and 1907/2006 [REACH] and amendments). If spills occur, clean with water and follow appropriate site procedures.

More information: www.mlpa.com; www.mlpa.eu	
	MRC-Holland bv; Willem Schoutenstraat 1 1057 DL, Amsterdam, The Netherlands
E-mail	info@mlpa.com (information & technical questions); order@mlpa.com (orders)
Phone	+31 888 657 200

Certificate of Analysis
SALSA® Binning DNA SD067 sample pictures

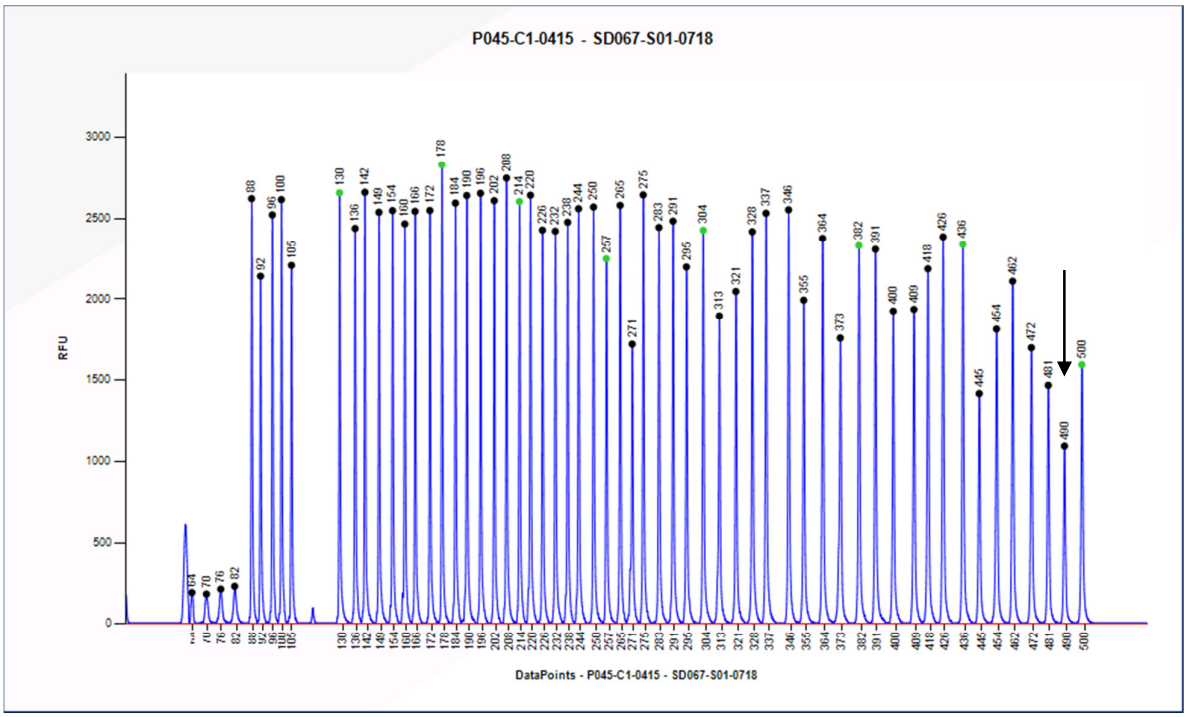

Figure 1. Capillary electrophoresis pattern from SD067-S01-0718 SALSA Binning DNA (approximately 50 ng) analysed with SALSA MLPA probemix P045 BRCA2/CHEK2 (C1-0416). The location of the CHEK2 1100delC mutation-specific probe at 490 nt is indicated. Probe peak heights may vary between probemix version C1 lots.

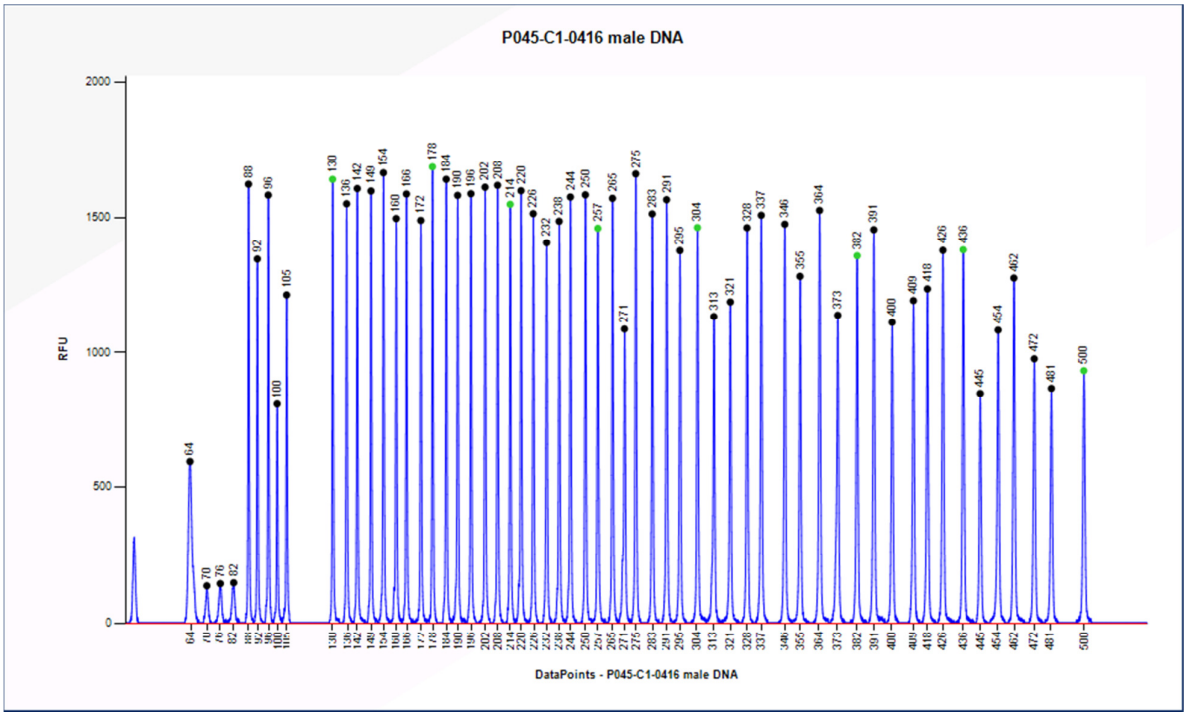

Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P045 BRCA2/CHEK2 (C1-0416). Probe peak heights may vary between probemix version C1 lots.

Certificate of Analysis

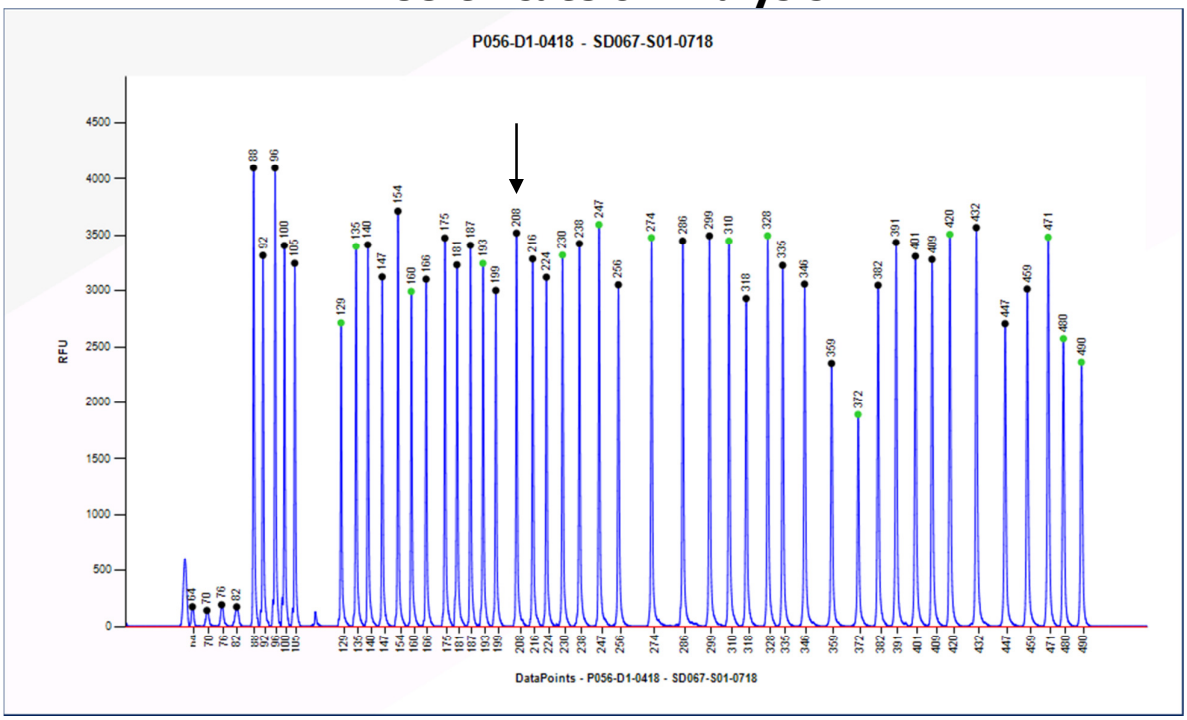

Figure 3. Capillary electrophoresis pattern from SD067-S01-0718 SALSA Binning DNA (approximately 50 ng) analysed with SALSA MLPA probemix P056 TP53 (D1-0418). The location of the CHEK2 1100delC mutation-specific probe at 208 nt is indicated. Probe peak heights may vary between probemix version D1 lots.

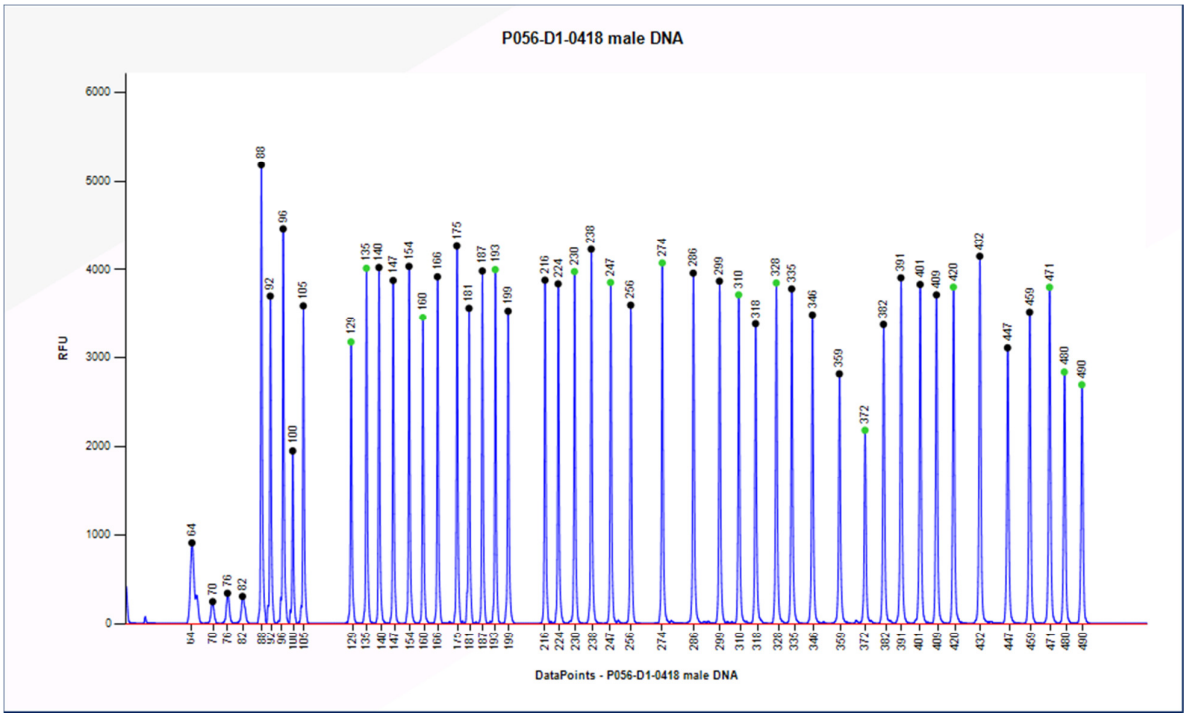

Figure 4. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P056 TP53 (D1-0418). Probe peak heights may vary between probemix version D1 lots.

Certificate of Analysis

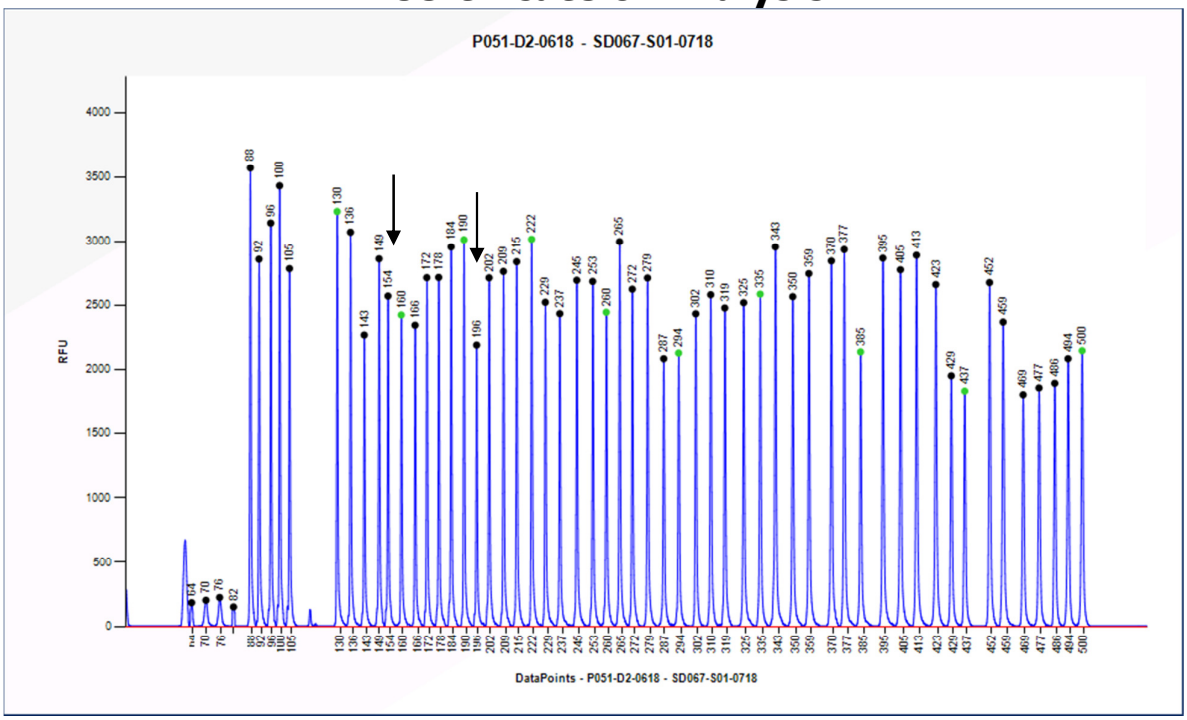

Figure 5. Capillary electrophoresis pattern from SD067-S01-0718 SALSA Binning DNA (approximately 50 ng) analysed with SALSA MLPA probemix P051 Parkinson (D2-0618). The location of the SNCA A30P and LRRK2 G2019S mutation-specific probes at 154 nt and 196 nt are indicated. Probe peak heights may vary between probemix version D2 lots.

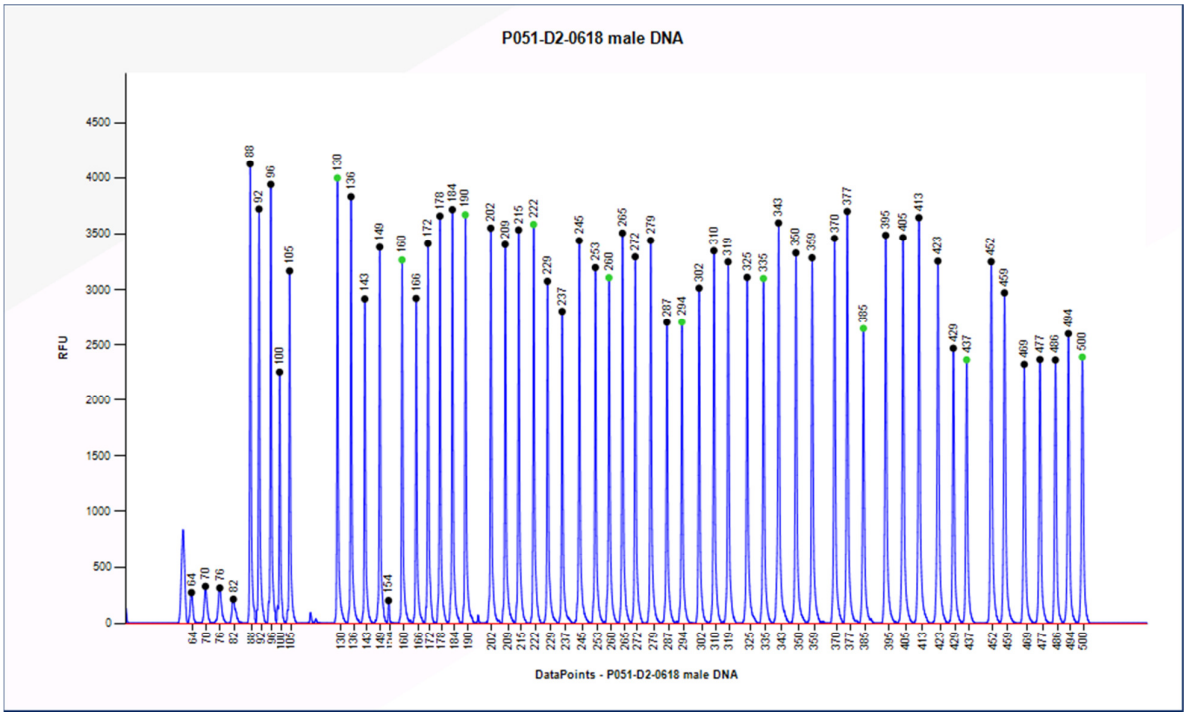

Figure 6. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P051 Parkinson (D2-0618). Probe peak heights may vary between probemix version D2 lots.

Certificate of Analysis

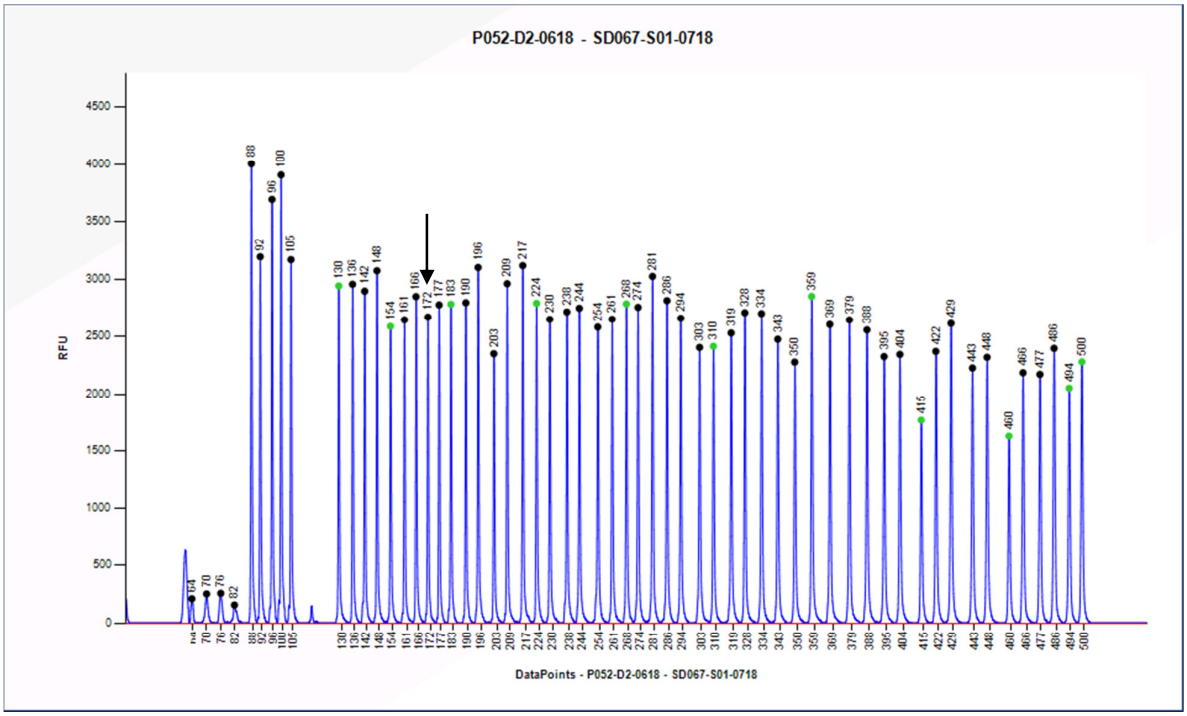

Figure 7. Capillary electrophoresis pattern from SD067-S01-0718 SALSA Binning DNA (approximately 50 ng) analysed with SALSA MLPA probemix P052 Parkinson (D2-0618). The location of the LRRK2 G2019S mutation-specific probe at 172 nt is indicated. Probe peak heights may vary between probemix version D2 lots.

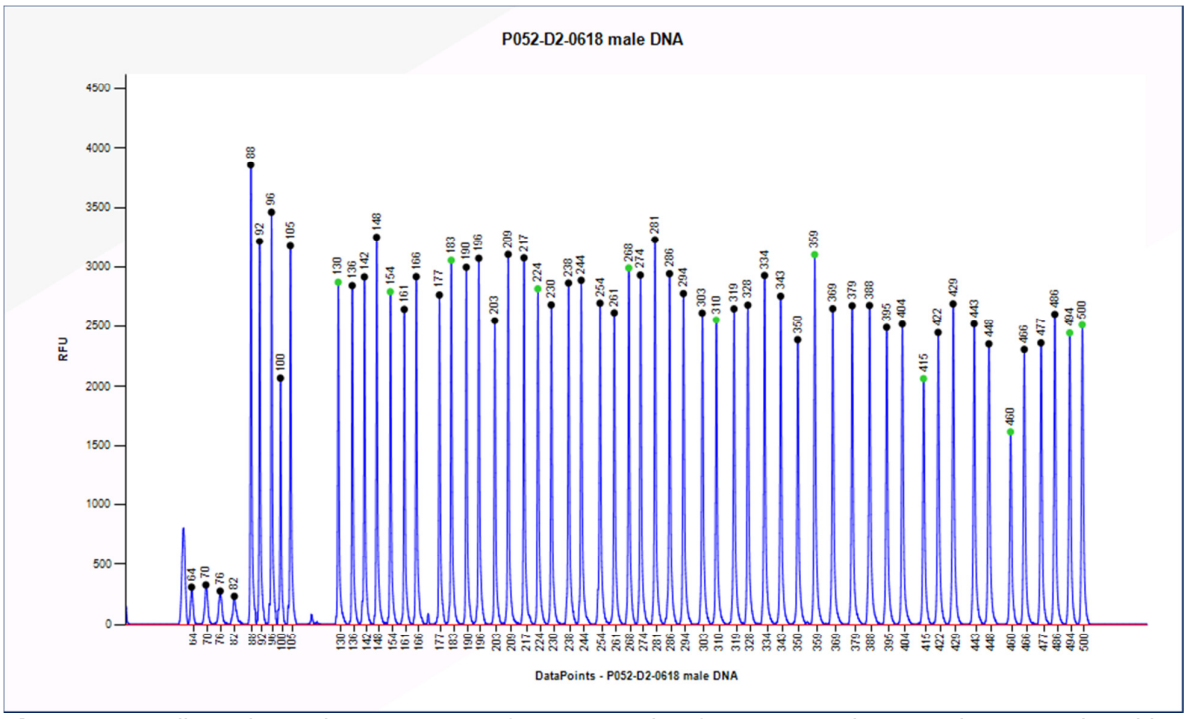

Figure 8. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P052 Parkinson (D2-0618). Probe peak heights may vary between probemix version D2 lots.

Certificate of Analysis

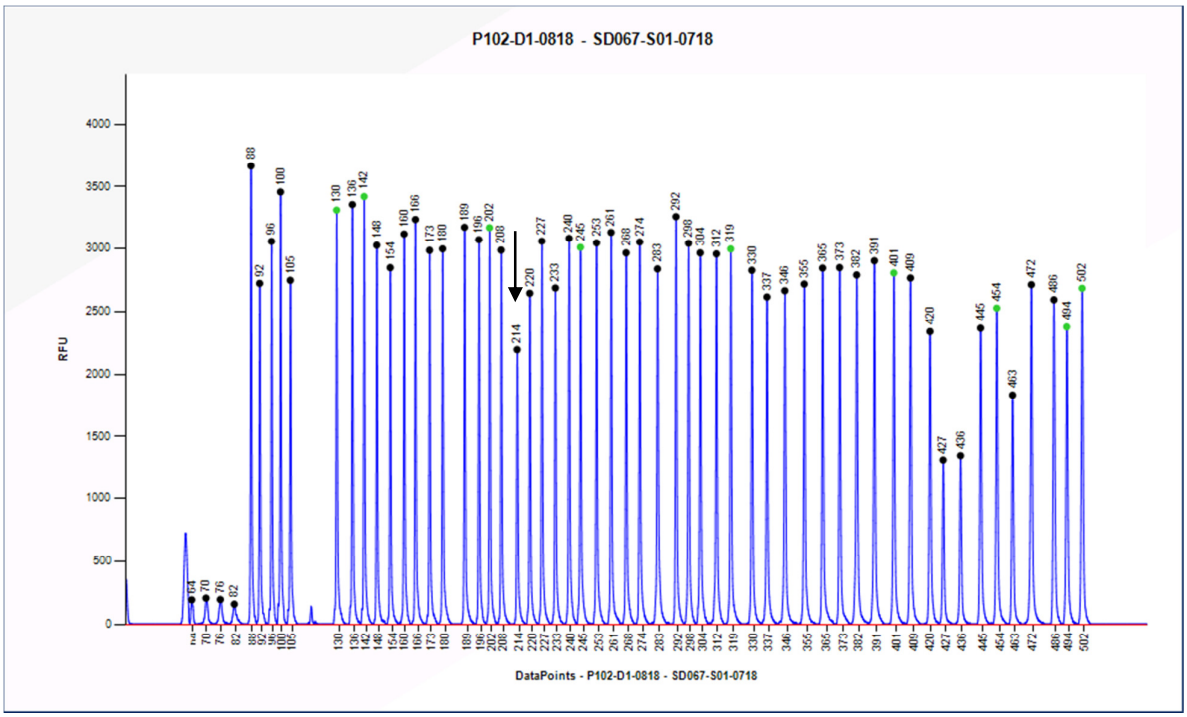

Figure 9. Capillary electrophoresis pattern from SD067-S01-0718 SALSA Binning DNA (approximately 50 ng) analysed with SALSA MLPA probemix P102 HBB (D1-0818). The location of the haemoglobin S mutation-specific probe at 214 nt is indicated. Probe peak heights may vary between probemix version D1 lots.

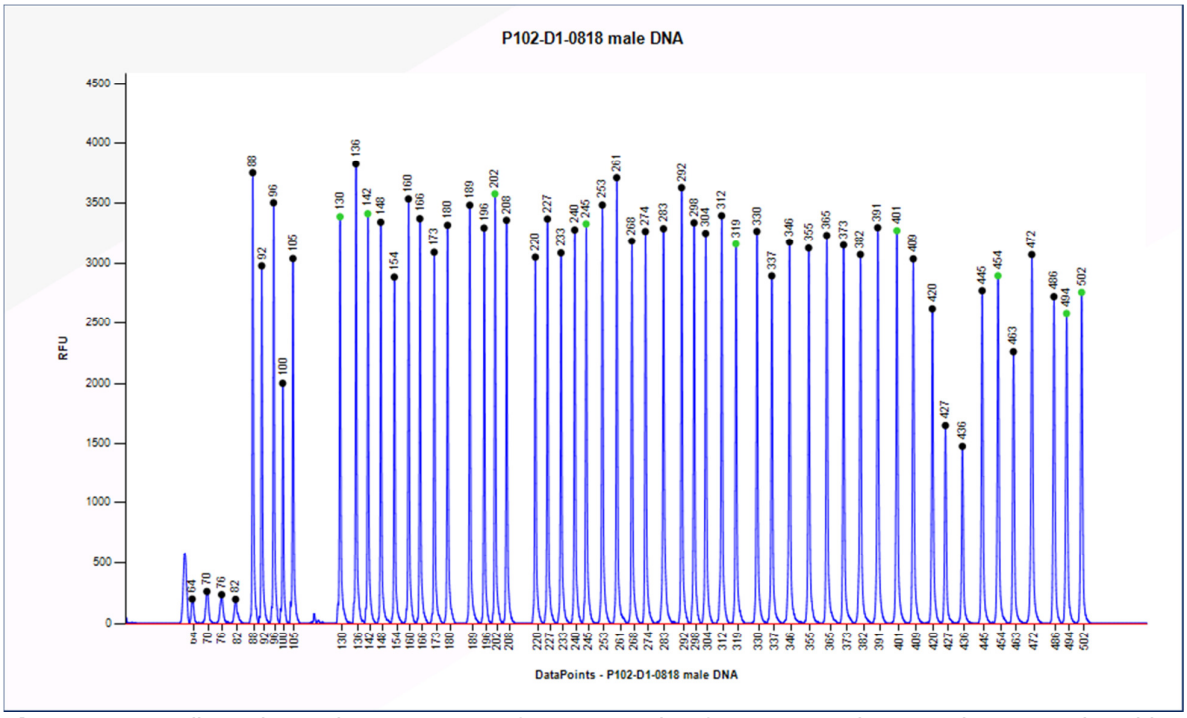

Figure 10. Capillary electrophoresis pattern from a sample of approximately 50 ng human male wild-type genomic DNA analysed with SALSA MLPA probemix P102 HBB (D1-0818). Probe peak heights may vary between probemix version D1 lots.

Certificate of Analysis

This lot was certified by MRC-Holland on 25 October 2018.
This certificate is a declaration of analysis at the time of the manufacturing process. All assays were run in compliance with manufacturer's instructions for use.

Implemented changes in the COA
Version 01 – 26 October 2018 (03) - Not applicable, new document.