

INSTRUCTIONS on MLPA Data Demo Set

SALSA® MLPA® Probemix P008 PMS2

1. Purpose

This SALSA® MLPA® data demo set serves to provide an overview of possible results that can be obtained with SALSA® MLPA® Probemix P008-C1 PMS2. It contains data files of seven samples with different genomic profiles, 15 reference samples and three no-DNA controls. This data demo set also allows you to familiarise yourself with Coffalyser.Net and the way SALSA MLPA results are presented by the software. The Sample Reports (PDF) that are included in this demo set offer you the possibility to have a look at the sample results without analysing the data.

2. Description of samples included

Table 1 – Samples included in the P008-C1 data demo set

DNA Sample	Expected Results
Demo-NoDNA-1_NoDNA	No-DNA
Demo-NoDNA-2_NoDNA	
Demo-NoDNA-3_NoDNA	
Demo-REF-Male-1_Ref	Reference sample: final ratio of one for all probes*.
Demo-REF-Male-2_Ref	
Demo-REF-Male-3_Ref	
Demo-REF-Male-4_Ref	
Demo-REF-Male-5_Ref	
Demo-REF-Male-6_Ref	
Demo-REF-Male-7_Ref	
Demo-REF-Male-8_Ref	
Demo-REF-Male-9_Ref	
Demo-REF-Male-10_Ref	
Demo-REF-Male11_Ref	
Demo-REF-Male12_Ref	
Demo-REF-Male13_Ref	
Demo-REF-Male14_Ref	
Demo-REF-Male15_Ref	
Demo-Test Sample 1_Sam	Sample with PMS2 or PMS2CL exon 11 – 15 deletion
Demo-Test Sample 2_Sam	Sample with PMS2 exon 3 – 7 deletion
Demo-Test Sample 3_Sam	Sample with PMS2 or PMS2CL exon 14 deletion
Demo-Test Sample 4_Sam	Sample with PMS2 or PMS2CL exon 14 and 15 deletion
Demo-Test Sample 5_Sam	Sample with PMS2 exon 2-4 deletion
Demo-Test Sample 6_Sam	Sample with PMS2 exon 5 – 11 deletion and PMS2 or PMS2CL exon 12 - 15
Demo-Test Sample 7_Sam	Sample with PMS2 exon 6 – 7 deletion

* Reference samples were identified and selected in an initial experiment using SALSA Reference Selection DNA SD082. An extensive explanation on reference sample selection and data interpretation, including examples of MLPA results obtained with this probemix can be found on the [P008 PMS2 product page](#).

3. Analysis in Coffalyser.Net software

To analyse this demo data set you need to install and configure Coffalyser.Net. For instructions on how to install and configure Coffalyser.Net please consult the [Coffalyser.Net Installation Manual](#).

After logging into the software, you need to follow the steps below. Please refer to sections 3-6a of the [Coffalyser.Net Reference Manual](#) for complete instructions if you are not familiar with the software.

- 1- Update the sheet library and retrieve the Coffalyser sheet for this experiment (*P008-C1-0523*).
- 2- Create and add a capillary electrophoresis (CE) device for the ABI – 3500 and select G5 as CE device filter.
- 3- Create an organization and project for data storage.
- 4- Create an experiment.
 - a. In the Experiment properties window, select the CE device and enter an experiment name. When you are done click OK.
- 5- In the Experiment details window, fill the relevant fields as follows:

Analysis setting	
Experiment Type	DNA/MLPA [Default]
CE device	ABI-3500 (G5 filter for LIZ)
Probemix	P008-C1-0523
Size marker	GS500-250

- 6- Click Next.
- 7- Right click in the Fragment Analysis tab and select Add (From File) to choose the raw data files from the location they are stored in.
- 8- Set the sample types as following:
 - a. Demo-NoDNA as no DNA
 - b. Demo-REF-Male 1-15 as reference
 - c. Demo-Test Sample 1-7 as sample
- 9- Start fragment analysis and follow the steps 26-46 in the Coffalyser.Net reference manual section 6a.