Sample Results Report - BP02-09 - NA04127

Coffalyser digitalMLPA

General Information

Software information	Executed	Program version
Configuration	n/a	2022-10-20 12:34
Data conversion	2023-04-18 14:48	2021-10-19 09:58
Fragment analysis	2023-04-18 14:49	2021-10-19 09:58
Comparative analysis	2023-04-18 14:49	2021-10-19 09:58
Extended analysis	n/a	n/a
Reporting	2023-04-18 14:50	2021-10-19 09:58

Sample	
Sample name (type)	**BP02-09 - NA04127 (Undefined)**
Barcode - well (lot)	BP02-09 - A02 (03-008-yymmdd)
SNP code	01112.12121.21210.11222.00121.21201.20220.2211 v1
Gender	Female
Estimated DNA quantity	14 ng
Sample track probes	(none)

Experiment settings	
Experiment name (type)	Demoset D001-C1 (digitalMLPA)
Product name	D001-C1-1221 [default sheet]
Product detection	Identity detected
Digital signatures	All signatures valid
Probe catalogue	Default, Version 2022-10-20 12:34
Source files	D:\Demosets\D001-C1\Demoset_D001-C1 final.fastq

Analysis details	
Normalisation method	Individual reference probe normalisation [default]
Coffa file location	C:\D001 Demoset\20230418_143831\Demoset D001-C1\BP02-09 - NA04127.Coffa
Coffa file id	2c62da75-e758-4854-9764-5547e39e7684
Reference samples	REF-Male-1, REF-Male-2, REF-Male-3, REF-Male-4, REF-Male-5

Reads	Items	Reads
Recognised	723	1.894.964
Unrecognised	n/a	57.466
Median total reads	n/a	2.827
Median distinct reads	n/a	1.464

Probes	Expected	Detected	Unexpected
Test probes	579	579	0
Reference probes	290	290	0
Y-control probes	0	0	n/a
Mutation probes	0-5	0	n/a

Quality Details

Quality Checks: Passed

Quality		
Category	**Description**	**Classification**
Reaction analysis	Read depth	Ok
	Sequence quality	Ok
	Unrecognised reads	Ok
	Sample DNA denaturation	Ok
	Hybridisation Tm	Ok
	Hybridisation completeness	Ok
	Ligation start temperature	Ok
	Ligase activity	Ok
	Ligase inactivation	Ok
	Polymerase activity	Ok
Comparative analysis	Sample DNA denaturation	Ok
	Sample DNA depurination	Ok
	Sample DNA fragment length	Ok
	Hybridisation Tm	Ok
	Hybridisation completeness	Ok
	Ligase activity	Ok
	Polymerase activity	Ok
	Reference probe quality	Ok
	Reference sample quality	Ok

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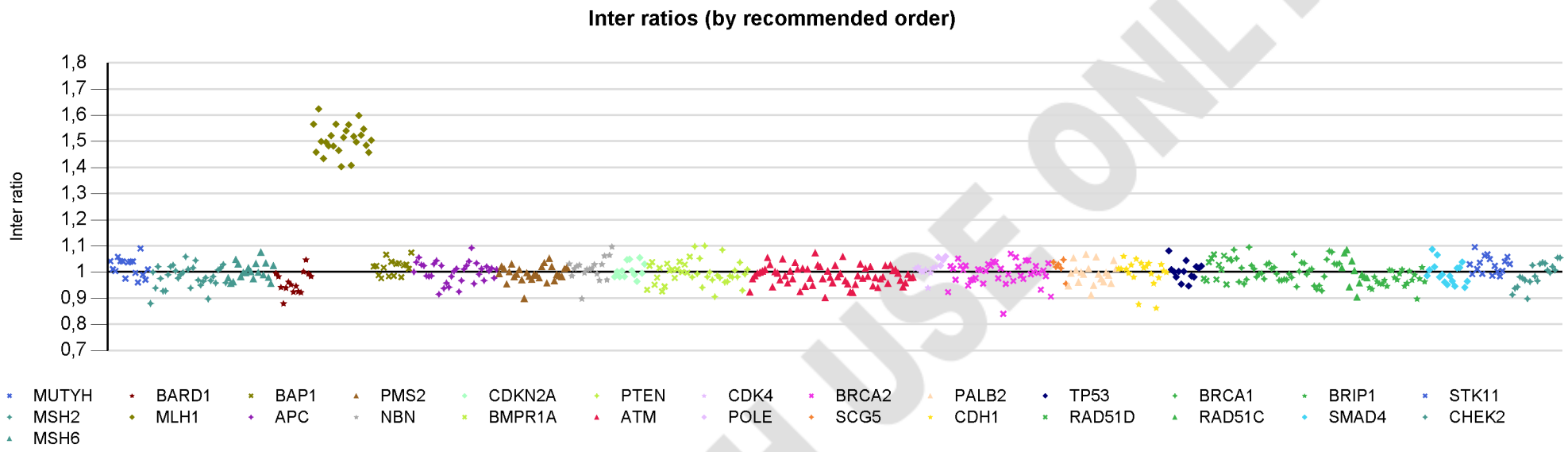
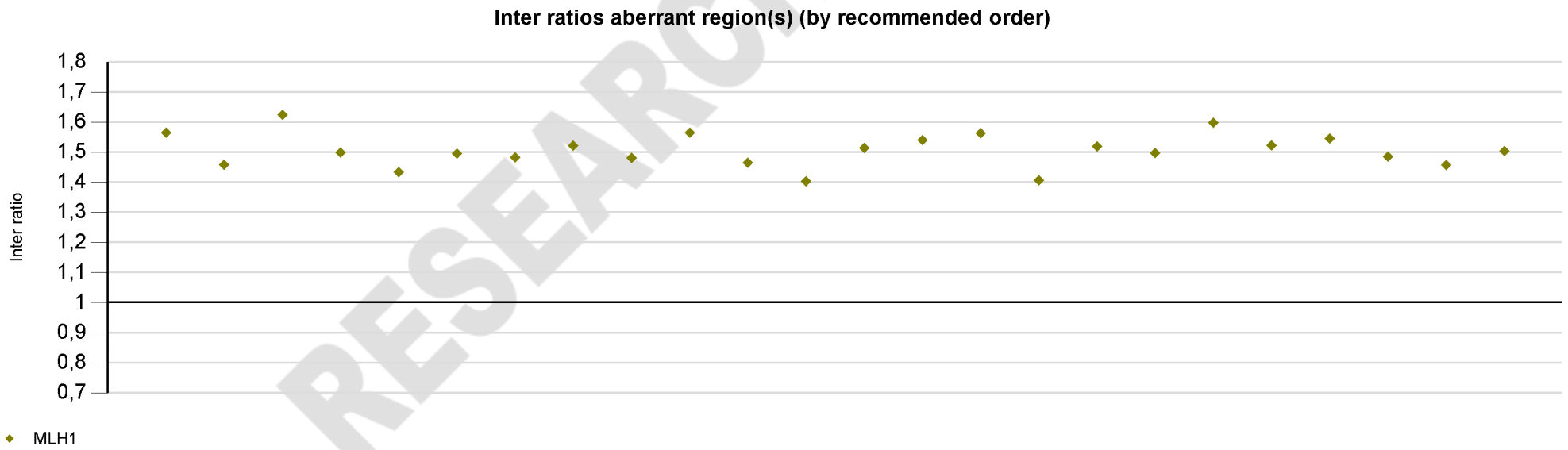
Result Summary

Note: Please refer to the 'Probe Information File' for additional information that may be crucial for correct result interpretation.

Chart(s)





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Mutation-specific probe(s)

Gene	Mutation	Probe	Mutation status	Additional information
MSH2	10MBinv	S010444	Absent	MSH2 10 Mb inversion (PMID24114314); This probe consists of three oligos and has two ligation sites.
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MITF	952G>A	S010555	Absent	Mutation also known as p.E318K (rs149617956).
PMS2	SVA-ins	S010670	Absent	PMS2 SVA element insertion (PMID22461402).
CHEK2	1100delC	S010117	Absent	Mutation also known as rs555607708; This probe consists of three oligos and has two ligation sites.

Aberrant region(s) table

Region	Chromo-somal band (hg38)	Region size	Region ratio	Stdev	Probes in region	Probe number	Probe function	Mapview (hg38) in kb	Normal copy number	Gene	Exon	Inter ratio	Within normal range	Different from reference population	Ambi-guous
MLH1	3p22.2	57,9 Kb	1,50	0,06	24	S010392	CN	03-036.993	2	MLH1	up	1,57	TooHigh	Increased2StdDev	False
						S010393	CN	03-036.993	2	MLH1	01	1,46	TooHigh	Increased2StdDev	False
						S010394	CN	03-036.994	2	MLH1	01	1,62	TooHigh	Increased2StdDev	False
						S010395	CN	03-036.997	2	MLH1	02	1,50	TooHigh	Increased2StdDev	False
						S017518	CN	03-037.001	2	MLH1	03	1,44	TooHigh	Increased2StdDev	False
						S010397	CN	03-037.004	2	MLH1	04	1,50	TooHigh	Increased2StdDev	False
						S017519	CN	03-037.007	2	MLH1	05	1,48	TooHigh	Increased2StdDev	False
						S010399	CN	03-037.009	2	MLH1	06	1,52	TooHigh	Increased2StdDev	False
						S010400	CN	03-037.012	2	MLH1	07	1,48	TooHigh	Increased2StdDev	False
						S017520	CN	03-037.012	2	MLH1	08	1,57	TooHigh	Increased2StdDev	False
						S010402	CN	03-037.014	2	MLH1	09	1,47	TooHigh	Increased2StdDev	False
						S010403	CN	03-037.015	2	MLH1	09	1,40	TooHigh	Increased2StdDev	False
						S010404	CN	03-037.018	2	MLH1	10	1,51	TooHigh	Increased2StdDev	False
						S017521	CN	03-037.020	2	MLH1	11	1,54	TooHigh	Increased2StdDev	False
						S010406	CN	03-037.026	2	MLH1	12	1,56	TooHigh	Increased2StdDev	False
						S017522	CN	03-037.026	2	MLH1	12	1,41	TooHigh	Increased2StdDev	False
						S010408	CN	03-037.029	2	MLH1	13	1,52	TooHigh	Increased2StdDev	False
						S010409	CN	03-037.040	2	MLH1	14	1,50	TooHigh	Increased2StdDev	False
						S017523	CN	03-037.042	2	MLH1	15	1,60	TooHigh	Increased2StdDev	False
						S010411	CN	03-037.048	2	MLH1	16	1,52	TooHigh	Increased2StdDev	False
						S010412	CN	03-037.049	2	MLH1	17	1,55	TooHigh	Increased2StdDev	False
						S017524	CN	03-037.049	2	MLH1	18	1,49	TooHigh	Increased2StdDev	False
						S010414	CN	03-037.051	2	MLH1	19	1,46	TooHigh	Increased2StdDev	False
						S010415	CN	03-037.051	2	MLH1	19	1,50	TooHigh	Increased2StdDev	False

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	Analysis performed	Final approval
Quality Checks: Passed	Date: Signature:	Date: Signature:

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