Example report: Ion ReproSeq™ PGS Kit samples on Ion Reporter™ Software

Edit headlines to include your institution's information.

Visualization Report
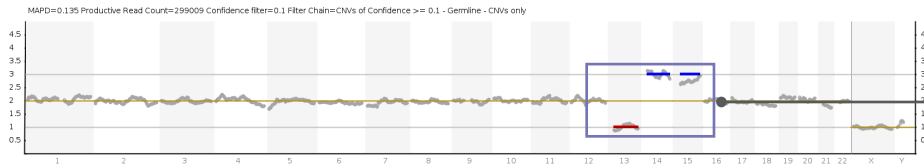Your Genetic Testing Lab

123 Main Street
Anytown, CT
123456

Background

Demo data for aneuploidy ReproSeq PGS workflows in IonReporter, exists in all IonReporter accounts. CNV Loss (1N) on Chromosome 13 and CNV Gains (3N) on both Chromosomes 14 and 15, on an apparently male sample.
Zoom-in view on selected Chromosome 13

Whole Genome View

Analysis 1, proband:Demo Aneuploidy_c6632_2023-04-13-12-38-24-267, Demo Aneuploidy

MAPD=0.135 Productive Read Count=299009 Confidence filter=0.1 Filter Chain=CNVs of Confidence >= 0.1 - Germline - CNVs only

Easily distinguish aneuploid events with colors noting gains and losses from the standard baseline copy number (2).

Selected Chromosome View

Highlight specific chromosomes to look at smaller microdeletions and duplications.

chr13
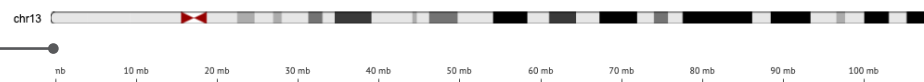
Analysis 1, Demo Aneuploidy_c6632_2023-04-13-12-38-24-267

Annotation and Reference Tracks

Reference

Gains/Losses Summary

#	CID	♂ / ♀	EID	Day	Cell#	MA	An(+)	An(-)	MAPD	WavSD
1		♂				0.0018	14,15	13	0.135	

Gains/Losses Details

Analysis 1, Demo Aneuploidy_c6632_2023-04-13-12-38-24-267
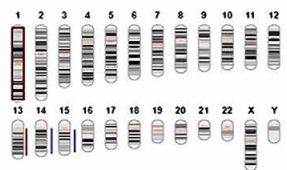
Analysis #	Couple ID	♂ / ♀	Embryo ID	Biopsy Day	Cell Num	MtDNA/Auto ratio	MAPD	WavSD
1		♂				0.0018	0.135	

View variants that pass the filter threshold in the Gains/Losses Details section. The same colors are used here for easy analysis.

Events	Conf	Length	Precision	Tiles	Passed / Failed filter chain
1p36.33q44x2.0	0	248386842	54.13	112	Failed
2p25.3q37.3x2.0	0	243092476	71.01	118	Failed
3p26.3q29x2.0	0	197902430	60.13	97	Failed
4p16.3q35.2x2.0	0	191034276	49.74	95	Failed
5p15.33q35.3x2.0	0	180895260	54.43	89	Failed
6p25.3q27x2.0	0	170219972	57.61	83	Failed
7p22.3q36.3x2.0	0	158846179	51.88	77	Failed
8p23.3q24.3x2.0	0	145322588	45.64	71	Failed
9p24.3q34.3x2.0	0	141143431	35.23	56	Failed
10p15.3q26.3x2.0	0	135464747	36.24	63	Failed
11p15.5q25x2.0	0	134886516	36.85	65	Failed
12p13.33q24.33x2.0	0	133696156	37.89	67	Failed
13q11q34x1.0	61	95305993	61	48	Passed
14q11.1q32.33x3.0	34.76	88269540	13.95	44	Passed
15q11.2q26.3x3.0	19.78	78956539	19.78	40	Passed

Karyo View

Quickly scan for gains or losses by chromosome in Karyo View.

Filters

Name	Value
mapd	0.3
Filter Chain	CNVs of Confidence >= 0.1 - Germline - CNVs only (5.18)

Analysis

Analysis 1, Demo Aneuploidy_c6632_2023-04-13-12-38-24-267

Ion Reporter Version 5.18	**Launched by** Erich Klem	**Analyzed by**	**Launched on** Apr 13 2023 12:38 PM
Report generated on	**Workflow** ReproSeq PGS w1.1 r. 0	**Annotations** Aneuploidy r. 0	**Reference** hg19
Copy Number Baseline ReproSeq Low-Coverage Whole-Genome Baseline	**Called Gender** Male	**mtDNA/autosomalDNA** 0.00175829067438	

Samples

Analysis 1, Demo Aneuploidy_c6632_2023-04-13-12-38-24-267

Sample Name: Demo Aneuploidy	**Relationship:** Proband	**Sample Type:** DNA	**Gender:** Male
Chip Type: Ion 316 Chip			

Mask or include gender, as needed.

Sign Off

Disclaimer

This is the disclaimer section

Images