Karyotype Report

Customer sample ID: NP0105-19, 11+4
Internal sample ID: DE77DIVUKOD100181
Date of receipt: 2017-02-01

Gender
Stated: Unknown
Chr. X derived: Male

Genotype identity with: NP0105-2-08.12.2016 / DEDIVUKO00172

Karyotyping

Technology used: Illumina BeadArray

Product: HumanOmniExpressExome-8 BeadChip v1.3
Manifest file: HumanOmniExpressExome-8v1-3_A.bpm
Cluster file: HumanOmniExpressExome-8v1-3_A.egt

Chip barcode and segment: 200729680112 R03C01

Batch ID and 96 well position: WG0086079-MSA1 C01

Call rate: 0,999

Typing
Scanner: Illumina iScan, S/N: N234
Site of processing: Life&Brain GENOMICS, Bonn, Germany
Manufacturer: Illumina, Inc., San Diego, United States of America
Date of scan: 2017-02-09-0430

Genotype Analysis
Genome Studio: GenomeStudio V2.0.2
Genotyping module: Ver. 2.0.2

Copy Number Analysis
Algorithm applied: CNV-Partition
Version: 3.2
Software producer: Illumina, Inc., San Diego, United States of America

Noteworthy findings

Chr07: Larger duplication (20Mbp) mosaic (80%) on long arm.

Analyst

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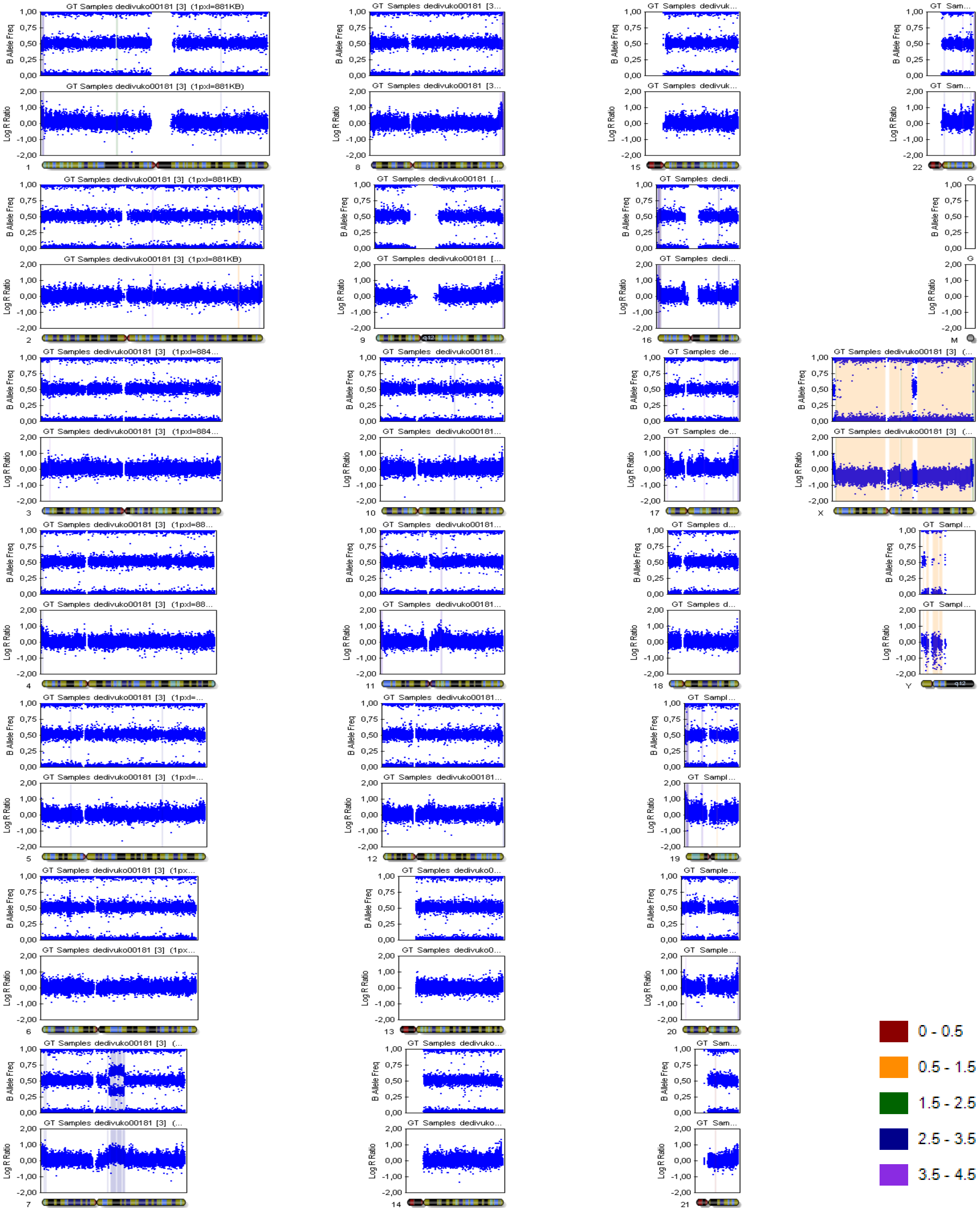
Control Dashboard

Sample_ID / Sentrix_Label	Category	Control (BeadType)	Section 1 X	Section 1 Y	State
DEDIVUKO00181 / 200729680112_R03C01	Staining	DNP (High) (27630314)	14354	225	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Staining	DNP (Bgnd) (29619375)	328	213	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Staining	Biotin (High) (41666334)	309	6396	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Staining	Biotin (Bgnd) (34648333)	279	248	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Extension	Extension (A) (17616306)	29627	385	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Extension	Extension (T) (14607337)	30043	286	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Extension	Extension (C) (12613307)	1102	17513	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Extension	Extension (G) (11603365)	1427	18756	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Target Removal	Target Removal (31623323)	905	188	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Hybridization	Hyb (High) (19612319)	1322	16908	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Hybridization	Hyb (Medium) (20636378)	418	10450	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Hybridization	Hyb (Low) (23617335)	1489	3238	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Stringency	String (PM) (32629312)	17727	437	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Stringency	String (MM) (33668307)	3147	224	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Specific Binding	NSB (Bgnd) (26619332)	285	195	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Specific Binding	NSB (Bgnd) (27624356)	302	202	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Specific Binding	NSB (Bgnd) (25617343)	251	235	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Specific Binding	NSB (Bgnd) (24616350)	296	148	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Polymorphic	NP (A) (34633358)	11528	380	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Polymorphic	NP (T) (16648324)	10662	256	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Polymorphic	NP (C) (43641328)	484	9326	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Non-Polymorphic	NP (G) (13642359)	493	9565	OK/OK
DEDIVUKO00181 / 200729680112_R03C01	Restoration	Restore (28637363)	325	393	OK/OK

All „Notable“ tagged probes are within specs. The karyogram can be evaluated.

Karyogram


GT Samples dedivuko00181 [3] (1pxl=881KB)
B Allele Freq
Log R Ratio
1,00
0,75
0,50
0,25
0,00
2,00
1,00
0,00
-1,00
-2,00
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
X
Y
M
G
q12
0 - 0.5
0.5 - 1.5
1.5 - 2.5
2.5 - 3.5
3.5 - 4.5

Copy Number Analysis

Copy number events will be reported if larger than 350'000 base pairs.
Database of Genomic Variants comparison: Number stated represent population based copy number variants that span the reported event completely.

Copy number analysis

Algorithm applied: CNV-Partition
Version: 3.2
Software producer: Illumina, Inc., San Diego, United States of America

Sample ID	Chr	Start	End	Type	Length	Marker count	CN Confidence	DGV Comparison
DEDIVUKO00181	1	81872593	84310193	2	2437600	690	260,919	
DEDIVUKO00181	7	75931160	82783846	3	6852686	1995	2957,132	
DEDIVUKO00181	7	82789419	88956699	3	6167280	1660	3908,85	
DEDIVUKO00181	7	88974907	92236829	3	3261922	933	4438,917	