Karyotype Report

Customer sample ID: NP0141-31B
Internal sample ID: DE81DIVUKOD100206
Date of receipt: 2017-10-19

Gender
Stated: Unknown
Chr. X derived: Female

Genotype identity with: NP0141-12C / DEDIVUKO00204, NP0141-17A / DEDIVUKO00205

Karyotyping

Technology used: Illumina BeadArray

Product: HumanOmni2.5Exome-8 BeadChip v1.3
Manifest file: HumanOmni2-5Exome-8v1-3_A1.bpm
Cluster file: HumanOmni2-5Exome-8v1-3_A1.egt

Chip barcode and segment: 201334740023 R06C01

Batch ID and 96 well position: WG6906607-MSA6 F02

Call rate: 0,9959649

Typing
Scanner: Illumina iScan, S/N: N263
Site of processing: Life&Brain GENOMICS, Bonn, Germany
Manufacturer: Illumina, Inc., San Diego, United States of America
Date of scan: 2017-12-19-1320

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

No larger chromosomal aberrations to be reported.

Analyst

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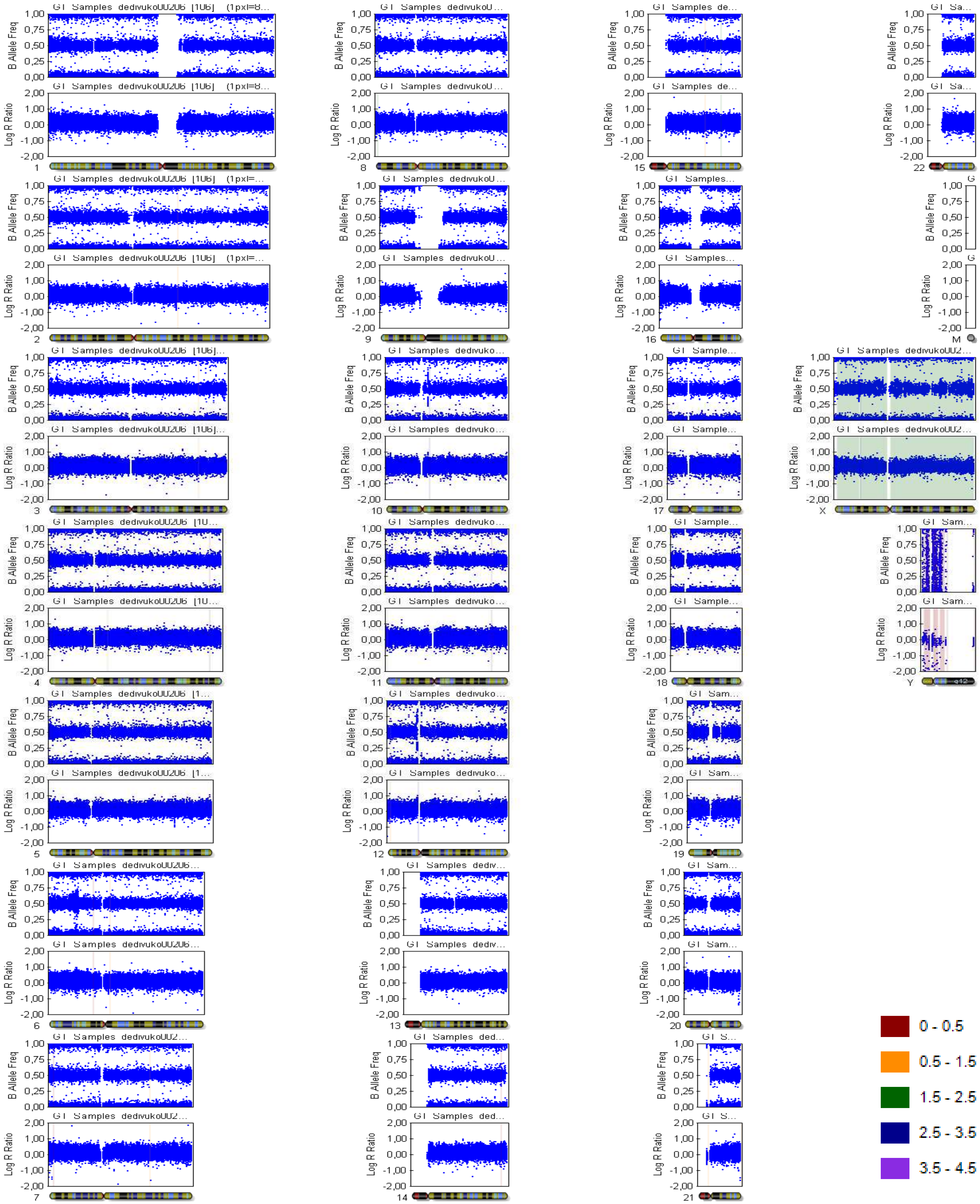
Control Dashboard

Sample_ID / Sentrix_Label	Category	Control (BeadType)	Section 1 X	Section 1 Y	State
DEDIVUKO00206 / 201334740023_R06C01	Staining	DNP (High) (27630314)	28840	107	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Staining	DNP (Bgnd) (29619375)	295	293	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Staining	Biotin (High) (41666334)	399	16485	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Staining	Biotin (Bgnd) (34648333)	277	55	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Extension	Extension (A) (17616306)	26820	341	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Extension	Extension (T) (14607337)	29498	217	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Extension	Extension (C) (12613307)	936	18565	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Extension	Extension (G) (11603365)	1161	17849	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Target Removal	Target Removal (31623323)	688	184	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Hybridization	Hyb (High) (19612319)	1580	18839	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Hybridization	Hyb (Medium) (20636378)	449	12606	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Hybridization	Hyb (Low) (23617335)	1341	3992	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Stringency	String (PM) (32629312)	19084	441	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Stringency	String (MM) (33668307)	3596	335	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Specific Binding	NSB (Bgnd) (26619332)	318	194	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Specific Binding	NSB (Bgnd) (27624356)	272	103	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Specific Binding	NSB (Bgnd) (25617343)	341	160	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Specific Binding	NSB (Bgnd) (24616350)	297	221	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Polymorphic	NP (A) (34633358)	9150	366	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Polymorphic	NP (T) (16648324)	12222	265	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Polymorphic	NP (C) (43641328)	567	10813	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Non-Polymorphic	NP (G) (13642359)	555	8634	OK/OK
DEDIVUKO00206 / 201334740023_R06C01	Restoration	Restore (28637363)	324	290	OK/OK

All control probes are within specs. The karyogram can be evaluated.

Karyogram


GT Samples dedivuko00206 [106] (1pxl=8…
B Allele Freq
1,00
0,75
0,50
0,25
0,00
Log R Ratio
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, 1Mbp for loss of heterozygosity regions.
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
DEDIVUKO00206	12	33528281	34806478	3	1278197	667	703,078	CNV-CNV: 2, CNV-Complex: 1, CNV-Gain: 1
DEDIVUKO00206	15	79486084	81174544	2	1688460	1986	470,0727	