

## Karyotype Report

Customer sample ID: NP0141-12C  
Internal sample ID: DE38DIVUKOD100204  
Date of receipt: 2017-10-19

### Gender

Stated: Unknown  
Chr. X derived: Female

Genotype identity with: NP0141-17A / DEDIVUKO00205, NP0141-31B /  
DEDIVUKO00206

## 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 R04C01

Batch ID and 96 well position: WG6906607-MSA6 D02

Call rate: 0,9965131

### 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: 2017-12-19-1313

### 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; Chr12: Duplication of telomeric region of short arm

## Analyst

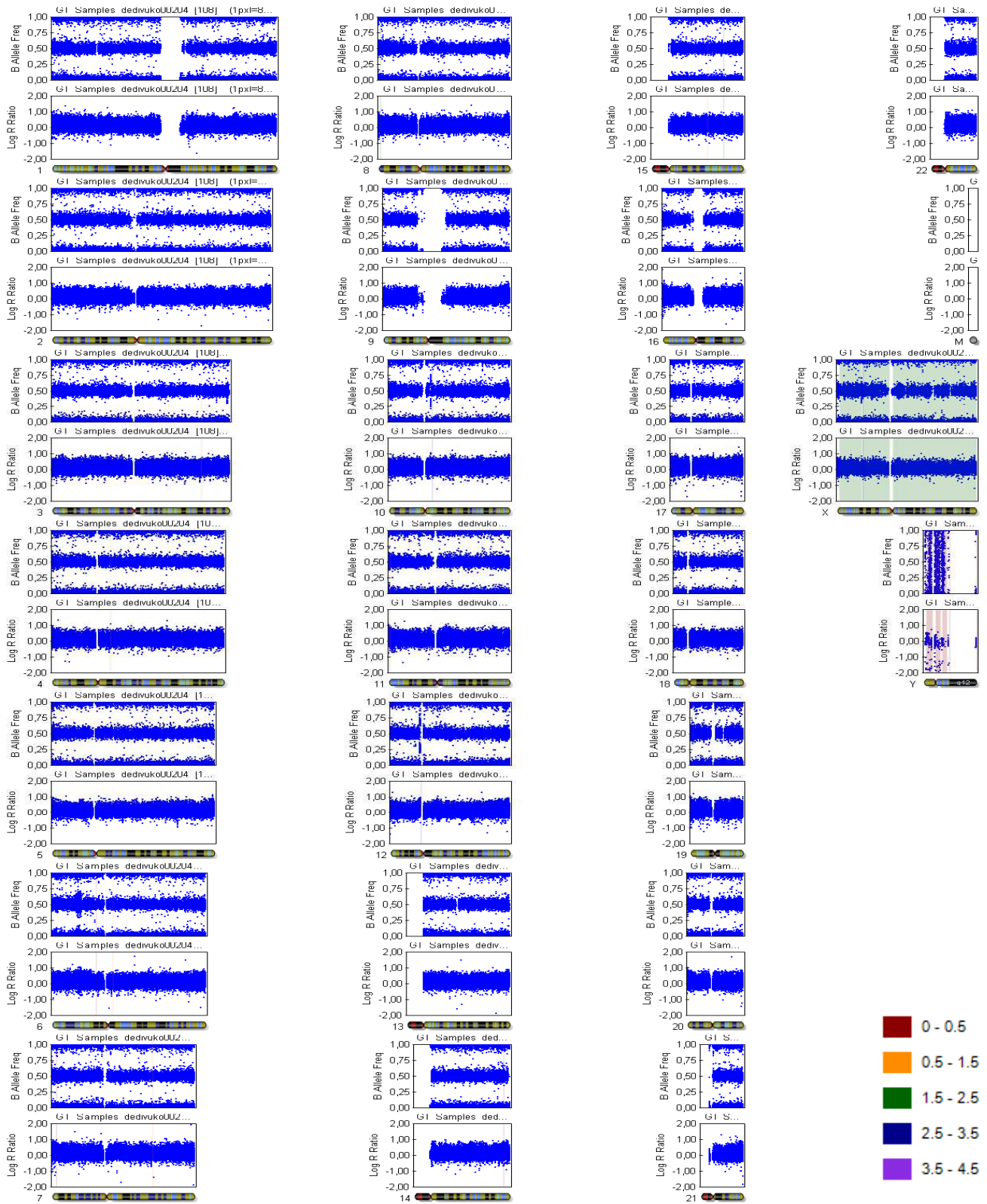
Stefan Herms  
Stefan.Herms@unibas.ch  
Tel.: +41 61 328 50 19

## Control Dashboard

Sample_ID / Sentrix_Label	Category	Control (BeadType)	Section 1 X	Section 1 Y	State
DEDIVUKO00204 / 201334740023_R04C01	Staining	DNP (High) (27630314)	26434	108	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Staining	DNP (Bgnd) (29619375)	229	270	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Staining	Biotin (High) (41666334)	335	13535	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Staining	Biotin (Bgnd) (34648333)	201	61	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Extension	Extension (A) (17616306)	26467	316	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Extension	Extension (T) (14607337)	28612	207	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Extension	Extension (C) (12613307)	965	15779	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Extension	Extension (G) (11603365)	1142	14798	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Target Removal	Target Removal (31623323)	663	155	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Hybridization	Hyb (High) (19612319)	1553	15417	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Hybridization	Hyb (Medium) (20636378)	406	10107	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Hybridization	Hyb (Low) (23617335)	1342	3231	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Stringency	String (PM) (32629312)	18506	403	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Stringency	String (MM) (33668307)	3562	287	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non-Specific Binding	NSB (Bgnd) (26619332)	278	186	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non-Specific Binding	NSB (Bgnd) (27624356)	260	88	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non-Specific Binding	NSB (Bgnd) (25617343)	288	186	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non-Specific Binding	NSB (Bgnd) (24616350)	313	142	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non- Polymorphic	NP (A) (34633358)	9009	283	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non- Polymorphic	NP (T) (16648324)	11832	179	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non- Polymorphic	NP (C) (43641328)	504	8962	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Non- Polymorphic	NP (G) (13642359)	511	7128	OK/OK
DEDIVUKO00204 / 201334740023_R04C01	Restoration	Restore (28637363)	253	238	OK/OK

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

# Karyogram





## 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
DEDIVUKO00204	12	33528281	34806478	3	1278197	667	685,5526	CNV-CNV: 2, CNV-Complex: 1, CNV-Gain: 1
DEDIVUKO00204	15	79486084	81174544	2	1688460	1986	469,3905	