Karyotype Report

Customer sample ID: NP0079-16H
Internal sample ID: DE86DIVUKOD100213
Date of receipt: 2017-12-12

Gender
Stated: Unknown
Chr. X derived: Female

Genotype identity with: NP0079-79 / DEDIVUKO00211, NP0079-15B / DEDIVUKO00212

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: 201353490092 R04C01

Batch ID and 96 well position: WG6906606-MSA6 D12

Call rate: 0,9972894

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: 2018-01-04-0457

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; Chr15: Duplication in q11.2 on long arm.

Analyst

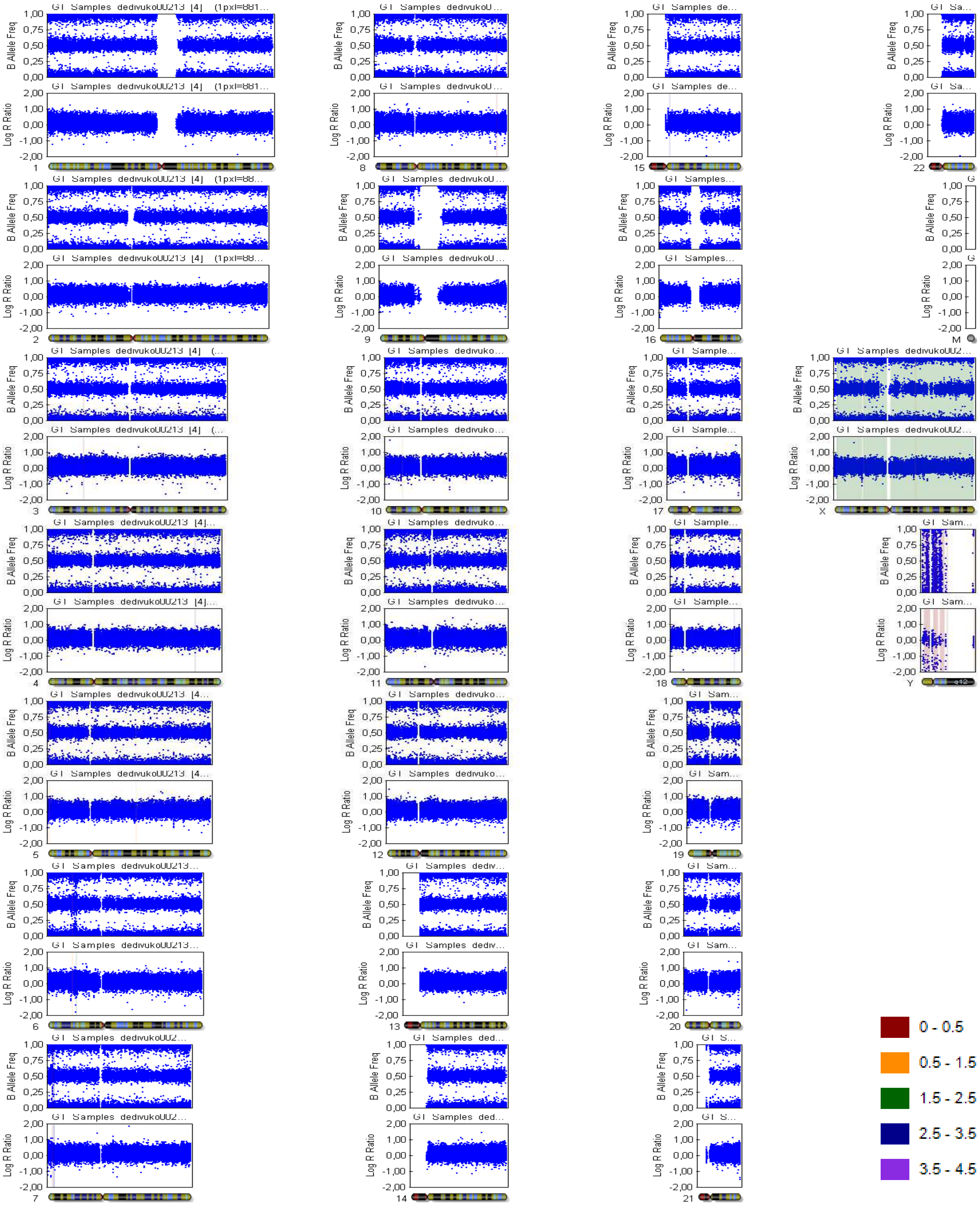
Stefan Herms
Stefan.Herms@unibas.ch
Tel.: +41 61 328 50 19

Control Dashboard

Sample_ID / Sentrix_Label	Category	Control (BeadType)	Section 1 X	Section 1 Y	State
DEDIVUKO00213 / 201353490092_R04C01	Staining	DNP (High) (27630314)	24270	83	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Staining	DNP (Bgnd) (29619375)	454	203	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Staining	Biotin (High) (41666334)	518	9873	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Staining	Biotin (Bgnd) (34648333)	394	81	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Extension	Extension (A) (17616306)	25827	314	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Extension	Extension (T) (14607337)	28518	265	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Extension	Extension (C) (12613307)	1049	12244	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Extension	Extension (G) (11603365)	1366	11830	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Target Removal	Target Removal (31623323)	865	176	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Hybridization	Hyb (High) (19612319)	1565	12359	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Hybridization	Hyb (Medium) (20636378)	527	7856	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Hybridization	Hyb (Low) (23617335)	1423	2489	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Stringency	String (PM) (32629312)	17985	397	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Stringency	String (MM) (33668307)	5070	235	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Specific Binding	NSB (Bgnd) (26619332)	496	117	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Specific Binding	NSB (Bgnd) (27624356)	485	111	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Specific Binding	NSB (Bgnd) (25617343)	532	143	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Specific Binding	NSB (Bgnd) (24616350)	468	101	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Polymorphic	NP (A) (34633358)	9040	303	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Polymorphic	NP (T) (16648324)	12036	227	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Polymorphic	NP (C) (43641328)	706	7089	OK/OK
DEDIVUKO00213 / 201353490092_R04C01	Non-Polymorphic	NP (G) (13642359)	747	5935	OK/Notable
DEDIVUKO00213 / 201353490092_R04C01	Restoration	Restore (28637363)	516	208	OK/OK

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

Karyogram


GT Samples dedivuko00213 [4] (1pxl=881...
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
DEDIVUKO00213	15	22751234	23654207	3	902973	410	1630,878	