

Karyotype Report

Customer sample ID: NP0138-8B
Internal sample ID: DE22DIVUKOD100201
Date of receipt: 2017-10-19

Gender

Stated: Unknown
Chr. X derived: Female

No genotype identities with former processed samples found.

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: 201340820116 R08C01

Batch ID and 96 well position: WG1004253-MSA6 H02

Call rate: 0,9956177

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: 2017-10-25-1346

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. Chr20: Duplication in q11.21: Cell culture adaptation.

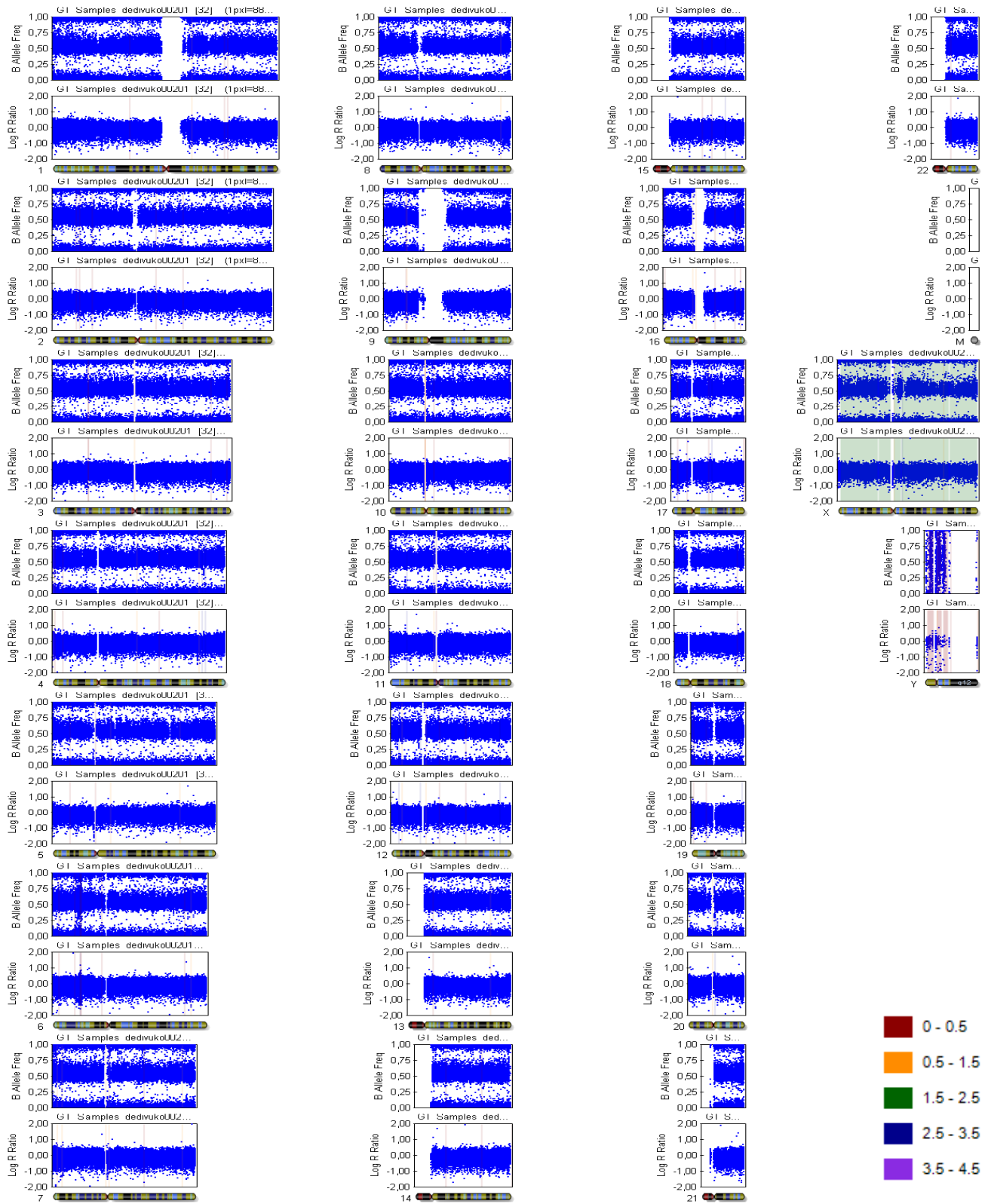
Analyst

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
DEDIVUKO00201 / 201340820116_R08C01	Staining	DNP (High) (27630314)	30923	223	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Staining	DNP (Bgnd) (29619375)	511	702	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Staining	Biotin (High) (41666334)	532	22971	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Staining	Biotin (Bgnd) (34648333)	405	133	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Extension	Extension (A) (17616306)	32719	668	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Extension	Extension (T) (14607337)	34114	562	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Extension	Extension (C) (12613307)	1411	27522	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Extension	Extension (G) (11603365)	1851	26070	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Target Removal	Target Removal (31623323)	848	377	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Hybridization	Hyb (High) (19612319)	1751	26013	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Hybridization	Hyb (Medium) (20636378)	657	16442	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Hybridization	Hyb (Low) (23617335)	1123	4386	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Stringency	String (PM) (32629312)	24459	865	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Stringency	String (MM) (33668307)	4843	684	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non-Specific Binding	NSB (Bgnd) (26619332)	525	386	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non-Specific Binding	NSB (Bgnd) (27624356)	507	379	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non-Specific Binding	NSB (Bgnd) (25617343)	478	485	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non-Specific Binding	NSB (Bgnd) (24616350)	533	426	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non- Polymorphic	NP (A) (34633358)	10796	732	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non- Polymorphic	NP (T) (16648324)	13730	515	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non- Polymorphic	NP (C) (43641328)	724	14926	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Non- Polymorphic	NP (G) (13642359)	636	11895	OK/OK
DEDIVUKO00201 / 201340820116_R08C01	Restoration	Restore (28637363)	549	574	OK/OK

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
DEDIVUKO00201	12	37988387	38444980	1	456593	251	340,8277	CNV-CNV: 3, CNV-Complex: 1, CNV-Gain: 4
DEDIVUKO00201	16	32165782	32640335	1	474553	52	67,0038	CNV-: 1, CNV-CNV: 38, CNV-Complex: 4, CNV-Gain: 64, CNV-Gain+Loss: 3, CNV-Insertion: 1, CNV-Loss: 12, OTHER-Inversion: 2
DEDIVUKO00201	17	44168225	44580136	3	411911	75	458,0818	CNV-CNV: 37, CNV-Complex: 3, CNV-Gain: 14, CNV-Gain+Loss: 4, OTHER-Inversion: 1
DEDIVUKO00201	20	29620784	30829991	3	1209207	854	551,0503	