# Karyotyp-Report

Einsender DNA ID: NP0012-19iPSC-1
Interne DNA ID: DE25DIVUKOD100050
Eingetroffen am: 2015-02-06

Geschlecht
Angegeben: Unknown
Aus Chipdaten: Female

## Karyotypisierung

Technologie: Illumina BeadArray

Produkt: HumanOmniExpressExome-8 BeadChip v1.2
Manifest: HumanOmniExpressExome-8v1-2_A.bpm
Clusterfile: HumanOmniExpressExome-8v1-2_A.egt

ChipID und –Segment: 3999269034 R01C01

Batch und Well: WG0082838-MSA1 A02

Erreichte Callrate: 0,9976457

Typisierung
Scanner: Illumina iScan, S/N: N234
Ort des Scans: Life&Brain GENOMICS, Bonn, Deutschland
Hersteller: Illumina, Inc., San Diego, USA
Scan-Datum: 2015-02-11-1748

Genotypen-Analyse
Genome Studio: GenomeStudio V2011.1
Genotyping Module: Ver. 1.9.4

CNV-Analyse
Algorithmus: CNV-Partition
Version: 3.2
Hersteller: Illumina, Inc., San Diego, USA

### Berichtenswerte Beobachtungen

Keine berichtenswerten, groesseren Events

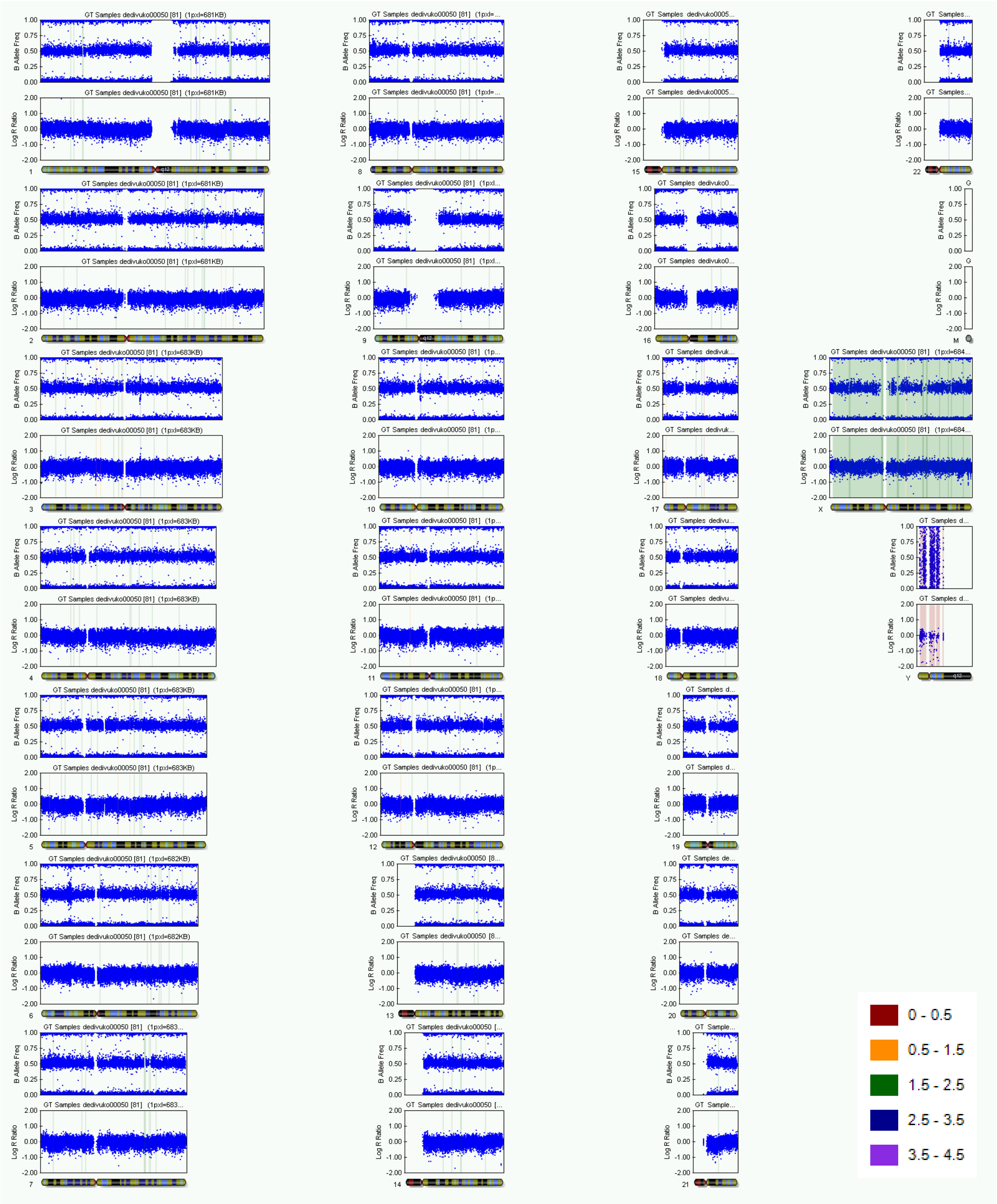
### Auswertender Bioinformatiker

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 |
|---|---|---|---|---|---|
| DEDIVUKO00050 / 3999269034_R01C01 | Staining | DNP (High) (27630314) | 14559 | 59 | Notable/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Staining | DNP (Bgnd) (29619375) | 190 | 89 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Staining | Biotin (High) (41666334) | 92 | 6820 | OK/Notable |
| DEDIVUKO00050 / 3999269034_R01C01 | Staining | Biotin (Bgnd) (34648333) | 114 | 97 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Extension | Extension (A) (17616306) | 34044 | 269 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Extension | Extension (T) (14607337) | 37042 | 187 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Extension | Extension (C) (12613307) | 1112 | 16467 | OK/Notable |
| DEDIVUKO00050 / 3999269034_R01C01 | Extension | Extension (G) (11603365) | 1139 | 16445 | OK/Notable |
| DEDIVUKO00050 / 3999269034_R01C01 | Target Removal | Target Removal (31623323) | 1069 | 140 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Hybridization | Hyb (High) (19612319) | 1458 | 16769 | OK/Notable |
| DEDIVUKO00050 / 3999269034_R01C01 | Hybridization | Hyb (Medium) (20636378) | 372 | 9982 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Hybridization | Hyb (Low) (23617335) | 1493 | 3018 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Stringency | String (PM) (32629312) | 22534 | 330 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Stringency | String (MM) (33668307) | 1657 | 107 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Specific Binding | NSB (Bgnd) (26619332) | 293 | 9015 | OK/Notable |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Specific Binding | NSB (Bgnd) (27624356) | 240 | 92 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Specific Binding | NSB (Bgnd) (25617343) | 4249 | 438 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Specific Binding | NSB (Bgnd) (24616350) | 253 | 3445 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Polymorphic | NP (A) (34633358) | 13691 | 229 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Polymorphic | NP (T) (16648324) | 12255 | 153 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Polymorphic | NP (C) (43641328) | 581 | 9888 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Non-Polymorphic | NP (G) (13642359) | 607 | 9508 | OK/OK |
| DEDIVUKO00050 / 3999269034_R01C01 | Restoration | Restore (28637363) | 251 | 217 | OK/OK |

# Karyogramm


GT Samples dedivuko00050 [81] (1pxl=681KB)
GT Samples dedivuko00050 [81] (1pxl=683KB)
GT Samples dedivuko00050 [81] (1pxl=682KB)
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
q12
0 - 0.5
0.5 - 1.5
1.5 - 2.5
2.5 - 3.5
3.5 - 4.5

## CNV-Analyse

Berichtet werden Kopienzahlvarianten ab einer Größe von 350‘000bp.
DGV-Abgleich: Anzahl CNVs in gesunden Kontrollen, die den ermittelten CNV komplett überspannen.

CNV-Analyse
Algorithmus: CNV-Partition
Version: 3.2
Hersteller: Illumina, Inc., San Diego, USA

| Sample ID | Chr | Start | Ende | Type | Länge | SNPs | CNVConf | DGV-Abgleich |
|---|---|---|---|---|---|---|---|---|
| DEDIVUKO00050 | 3 | 108608767 | 109011263 | 3 | 402496 | 120 | 617.8739 | |
| DEDIVUKO00050 | 23 | 2700163 | 58483247 | 2 | 55783084 | 9384 | 2618.4650 | |
| DEDIVUKO00050 | 23 | 61730485 | 83128216 | 2 | 21397731 | 2056 | 1096.1520 | |
| DEDIVUKO00050 | 23 | 83132635 | 154892230 | 2 | 71759595 | 10985 | 1213.8330 | |
| DEDIVUKO00050 | 24 | 2657176 | 10019072 | 0 | 7361896 | 547 | 5397.6030 | |
| DEDIVUKO00050 | 24 | 13281348 | 19563894 | 0 | 6282546 | 586 | 10086.1300 | |
| DEDIVUKO00050 | 24 | 20828795 | 24891486 | 0 | 4062691 | 317 | 22622.0000 | |
| DEDIVUKO00050 | 24 | 28374713 | 28817442 | 0 | 442729 | 20 | 877.4322 | |