

## Copy number variation (CNV) analysis

|              |            |
|--------------|------------|
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### Stem cell Information

|                |                         |                 |            |
|----------------|-------------------------|-----------------|------------|
| Stem cell line | CMC-hiPSC-011           | Institute       | KSCR       |
| Cell type      | hiPSC                   | Inspection date |            |
| Banking status | PCB                     | Issue date      | 2018-10-15 |
| Passage        | p22                     |                 |            |
| Note           | cultured on Vitronectin |                 |            |

### Experiment type

#### SNP chip

|           |                       |                   |              |
|-----------|-----------------------|-------------------|--------------|
| Platform  | Affymetrix CytoscanHD | Analysis program  | Chas 3.1     |
| Reference | hg19                  | Analysis document | SOP#26-Ver.4 |

### Statistics

|  | Total | Gain | Loss |  |
|--|-------|------|------|--|
| the number of total CNVs                                 | 24    |      |      |  |
| the number of manually filtered CNVs                     | 0     | 0    | 0    |  |
| the number of CNVs excluded Korean normal CNV DB (KGVDB) | 0     | 0    | 0    |  |

### Result of Data Analysis

List of CNVs

|  | Total | Gain | Loss | Cytoband |
|--|-------|------|------|----------|
| <b>The number of total CNV calls</b>       | .     | .    | .    |          |
| The number of Pathogenic CNVs              | .     | .    | .    |          |
| The number of Recurrent CNVs               | .     | .    | .    |          |
| The number of stemness-related CNVs        | .     | .    | .    |          |
| The number of Differentiation-related CNVs | .     | .    | .    |          |
| The number of cancer-related CNVs          | .     | .    | .    |          |
| The number of immunogenicity-related CNVs  | .     | .    | .    |          |

\*Recurrent CNVs include CNV gain on 1q41, 12p13.31, 17q25.2 and 20q11.21, CNV loss on 10p11.22

### Interpretation

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