# CCS (Circular Consensus Sequencing) Result

1. HiFi Reads

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **HiFi Read Bases** | **HiFi Reads** | **HiFi Read Length (Mean)** | **HiFi Read Quality** | **HiFi Number of Passes** |
| {{hifi\_bases}} | {{hifi\_reads}} | {{hifi\_length}} | {{hifi\_quality}} | {{hifi\_passes}} |

HiFi Reads Bases: The total yield (in base pairs) of the CCS Reads whose quality value is equal to or greater than 20.

HiFi Reads: The total number of CCS Reads whose quality value is equal to or greater than 20.

HiFi Read Length (mean): The mean read length of the CCS Reads whose quality value is equal to or greater than 20.

HiFi Read Quality: The mean number of CCS Reads whose quality value is equal to or greater than 20.

1. HiFi Read Length Distribution

{{read\_length\_distribution\_plot}}

Displays a histogram distribution of HiFi Reads (QV>=20)

1. Total Read Length Distribution

{{total\_read\_length\_distribution\_plot}}

Displays a histogram distribution of HiFi Reads (QV>=20), other CCS Reads (three or more passes, but QV <20), and other reads, by read length.

1. Number of Passes

{{number\_of\_passes\_plot}}

Histogram of the number of complete subreads in CCS Reads, broken down by read type (HiFi Reads, other CCS Reads, other reads.)

1. Read Quality Distribution

{{read\_qulity\_distribution\_plot}}

Histogram distribution of the CCS Reads by the read quality.