

# Report for dataset PB420\_DeltaSmeltFemale\_LowTP\_titr-Cell1 (CCS)

## Dataset 3bac8dbc-6f7c-4f09-b635-522353aa36d6

### Summary

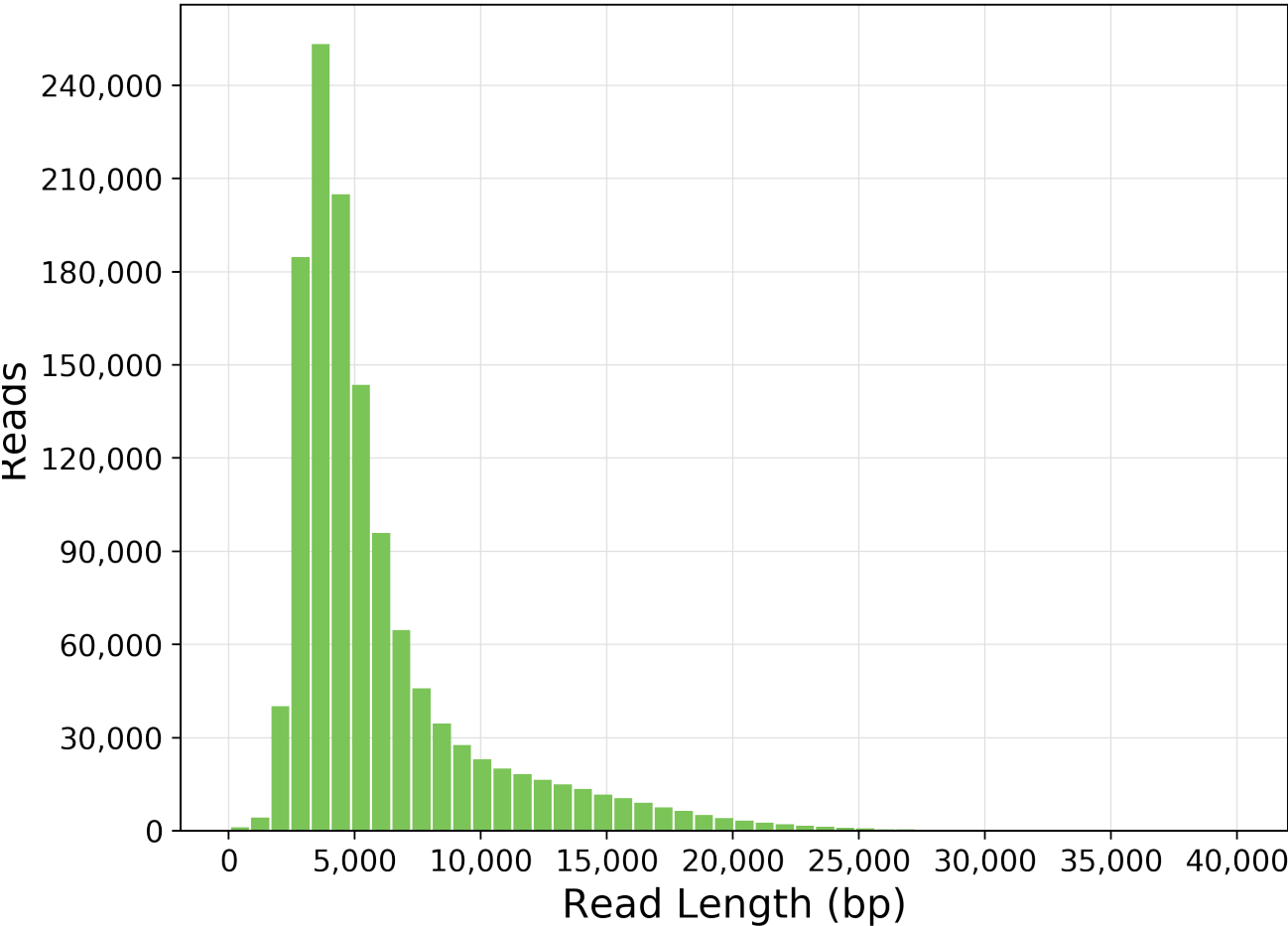
<b>Name</b>	PB420_DeltaSmeltFemale_LowTP_titr-Cell1 (CCS)
<b>Created At</b>	2020-10-06 07:31:48.000
<b>Number of Records</b>	1275836
<b>Total Length</b>	7617422156
<b>Movie ID</b>	m64069_201002_215024
<b>ICS Version</b>	9.0.0.92233
<b>Well Sample</b>	PB420_DeltaSmeltFemale_LowTP_titr
<b>Biological Sample</b>	Delta Smelt Female

## CCS Report

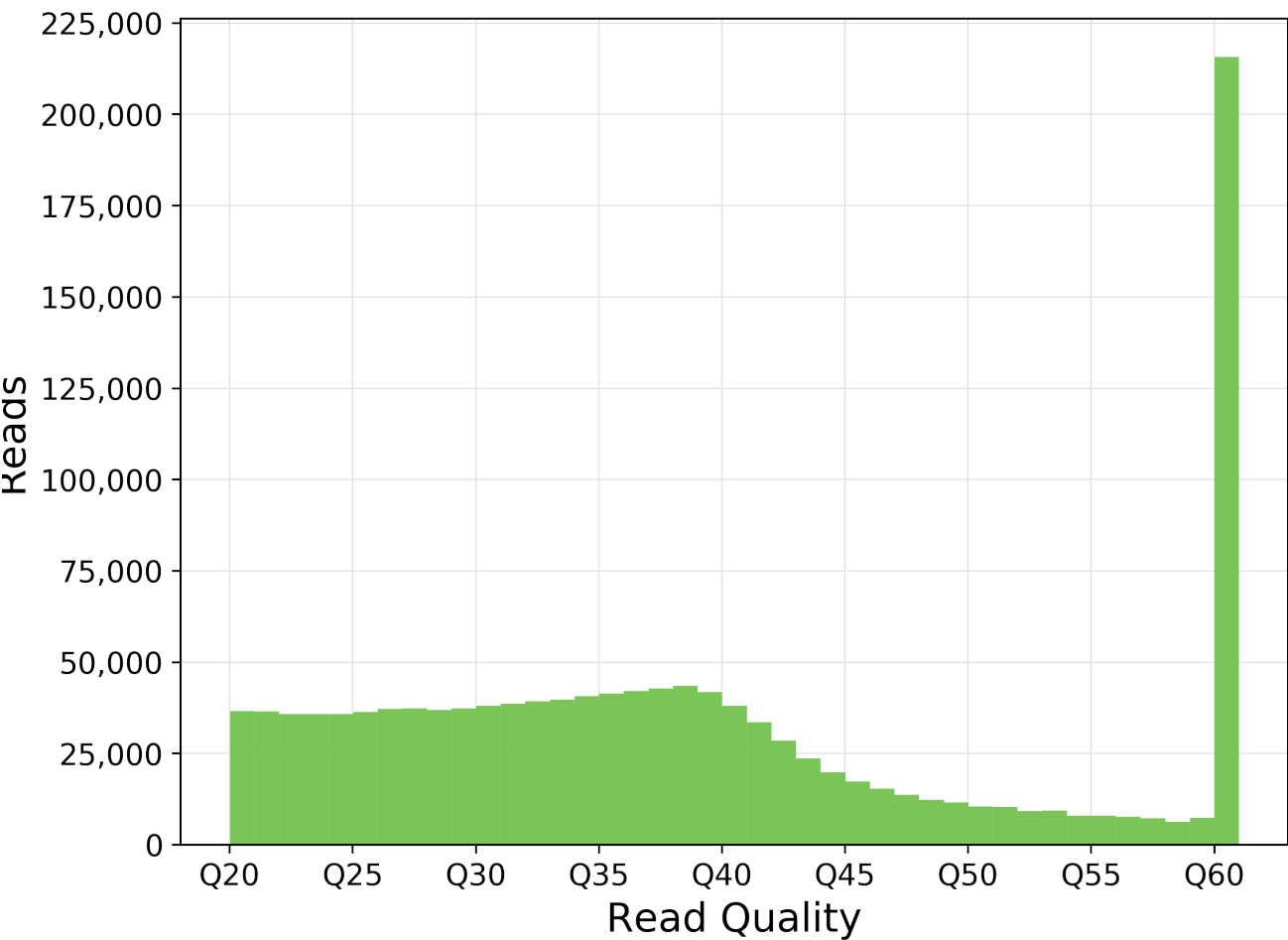
### Summary

<b>Q20 Reads</b>	1,275,836
<b>Q20 Yield (bp)</b>	7,617,422,156
<b>Q20 Read Length (mean, bp)</b>	5,970
<b>Q20 Read Quality (median)</b>	Q36

Read Length Distribution



**Read Quality Distribution**



**No Sample Setup found**

## Instrument run(s)

### Run 4cfd8a47-1027-4900-baad-99f16d57f5a2

#### Summary

<b>Name</b>	Run 10.02.2020
<b>Status</b>	COMPLETE
<b>Created</b>	2020-10-02 21:11:50.861
<b>Started</b>	2020-10-02 21:40:14.011
<b>Completed</b>	2020-10-05 15:53:05.405
<b>Context</b>	r64069_20201002_213541
<b>Instrument Name</b>	64069
<b>Instrument Serial Number</b>	64069
<b>ICS Version</b>	9.0.0.92233
<b>Primary Analysis Version</b>	9.0.0.92233
<b>Chemistry Version</b>	9.0.0.92017

## Parent jobs (2)

### Job 1897

#### Summary

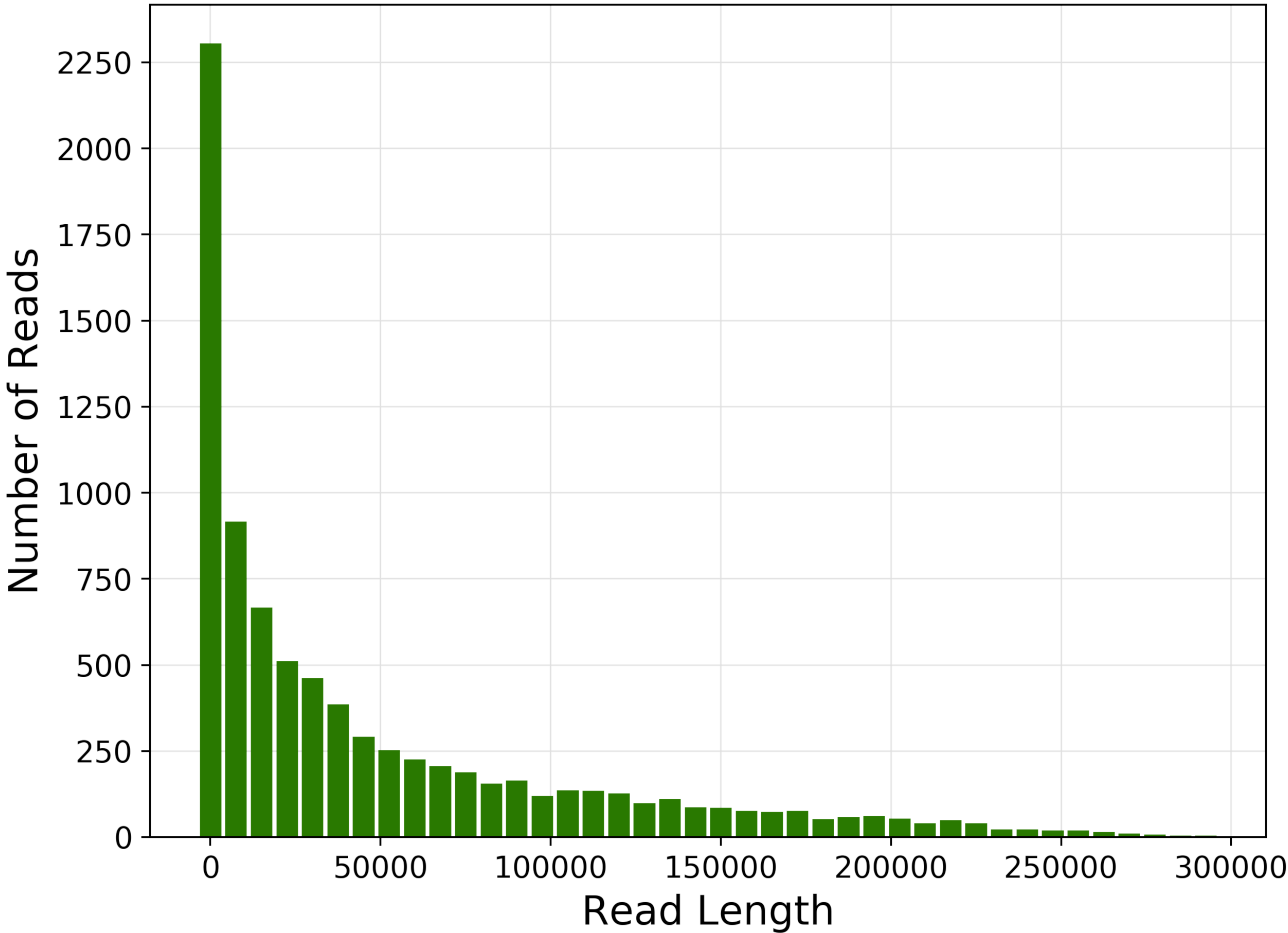
<b>Job Type</b>	import-dataset
<b>Pipeline</b>	cromwell.workflows.sl_import_subreads
<b>Name</b>	import-dataset
<b>Comments</b>	Description for job Import PacBio DataSet
<b>Created At</b>	2020-10-04 16:27:45.402
<b>SMRT Link Version</b>	9.0.0.92188

## Control Report

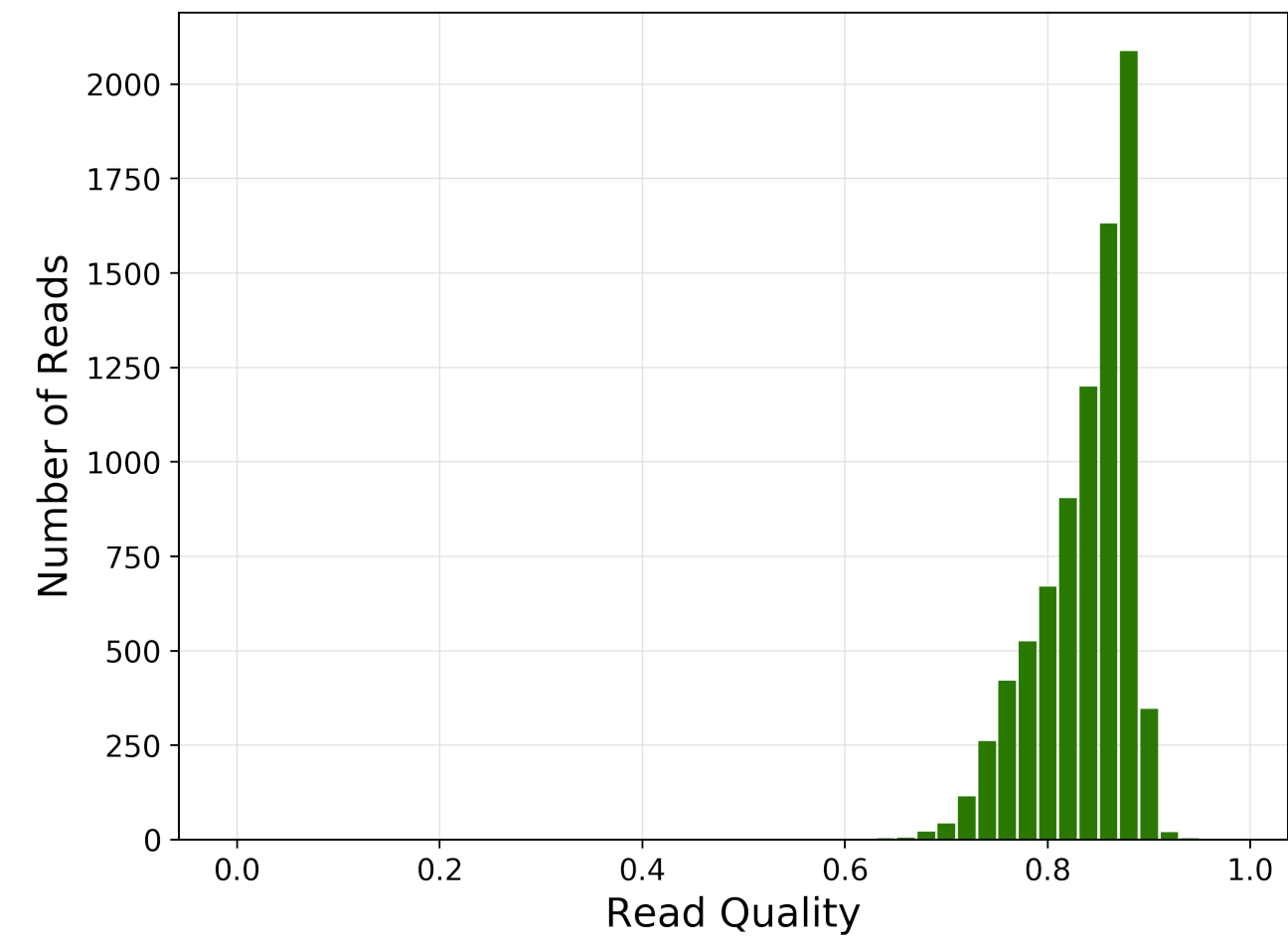
#### Summary

<b>Number of of Control Reads</b>	8,220
<b>Control Read Length Mean</b>	50,155
<b>Control Read Concordance Mean</b>	0.85
<b>Control Read Concordance Mode</b>	0.89

Control Polymerase RL



Control Concordance



Adapter Report

Summary

Adapter Dimers (0-10bp) %	0
Short Inserts (11-100bp) %	0.02
Local Base Rate	1.53

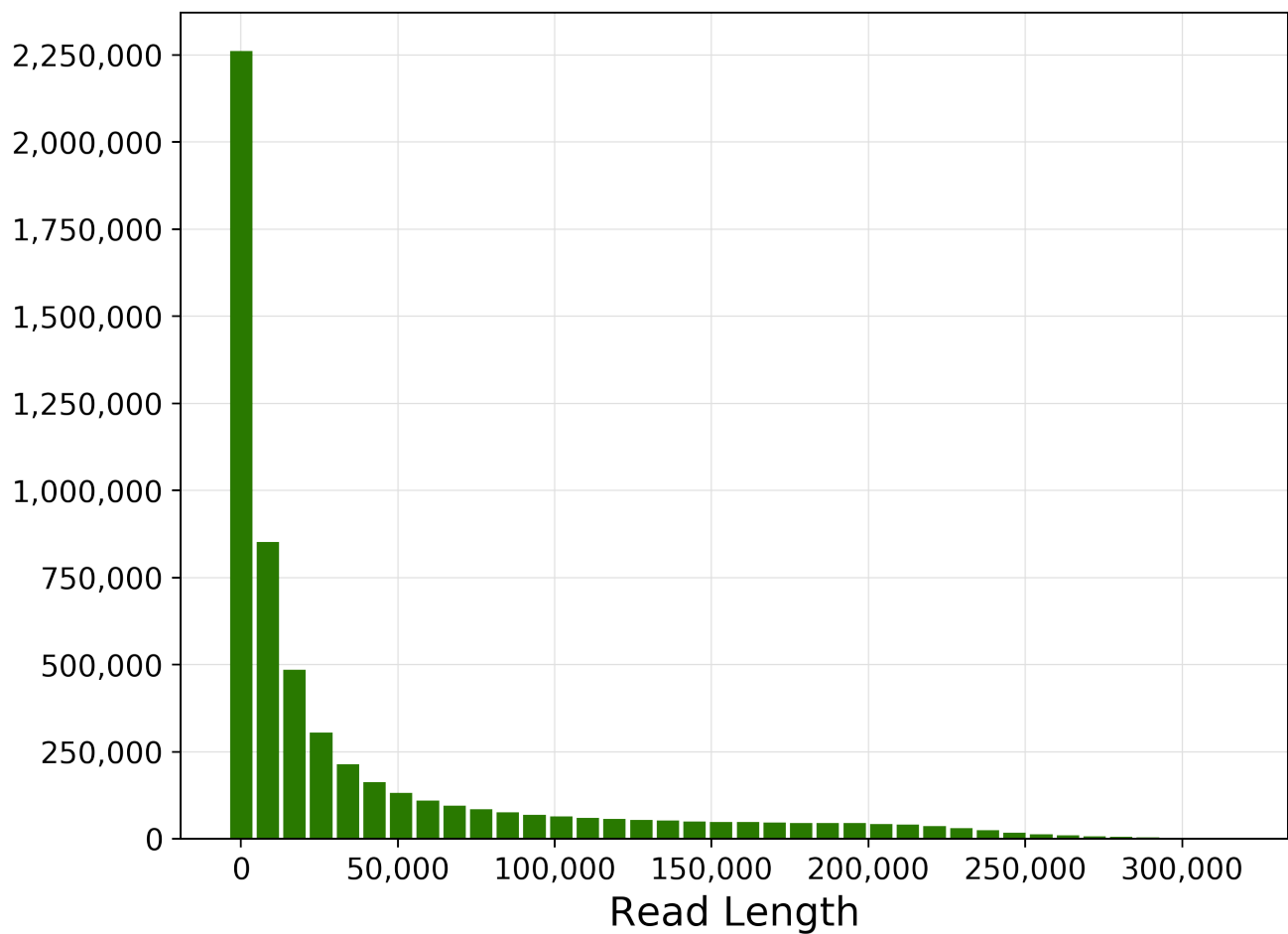
Raw Data Report

Summary

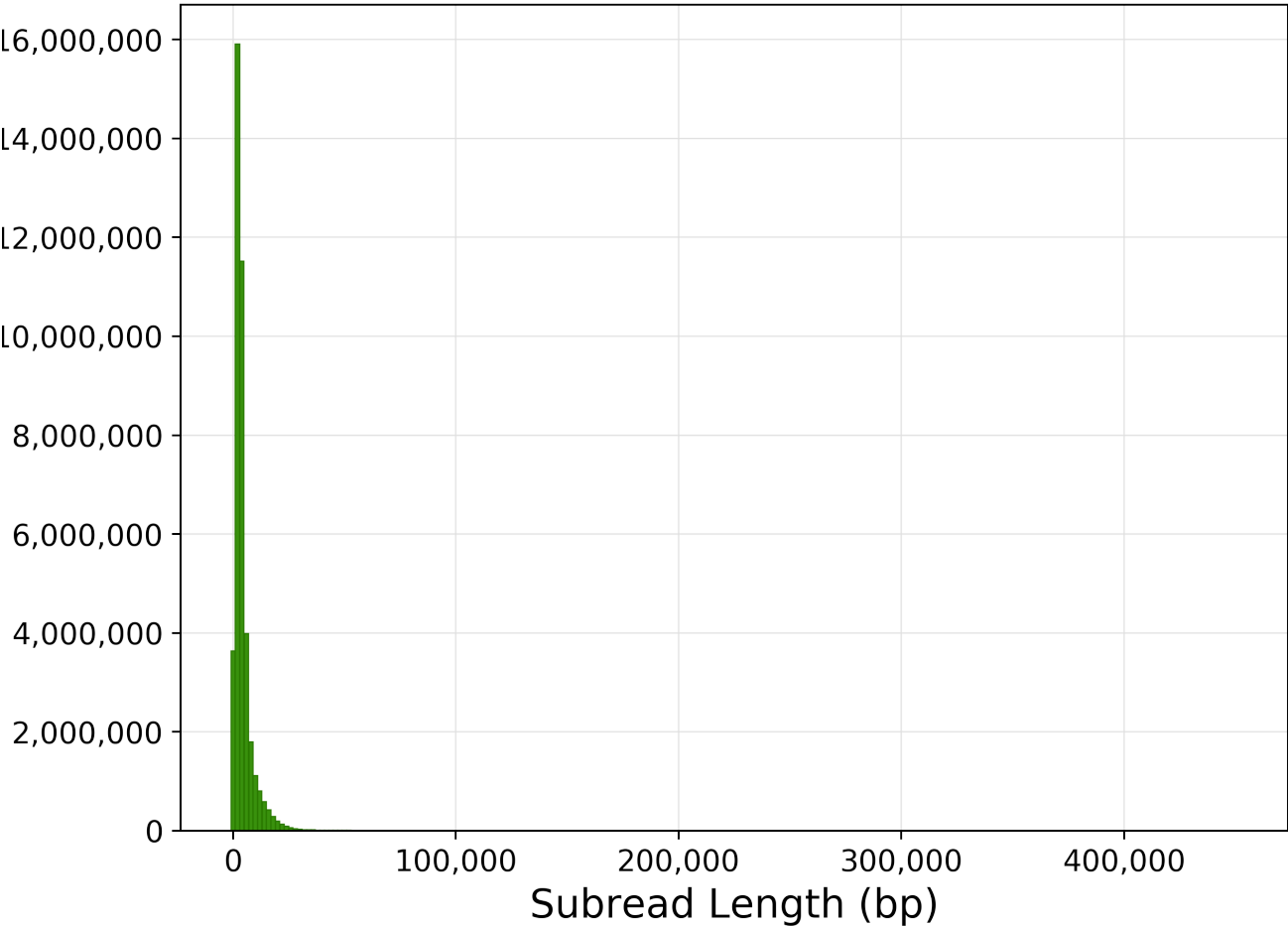
<b>Polymerase Read Bases</b>	225,540,108,499
<b>Polymerase Reads</b>	5,598,036
<b>Polymerase Read Length (mean)</b>	40,289
<b>Polymerase Read N50</b>	129,032
<b>Subread Length (mean)</b>	5,481
<b>Subread N50</b>	6,123
<b>Insert Length (mean)</b>	9,785
<b>Insert N50</b>	16,392
<b>Unique Molecular Yield</b>	49,608,847,360



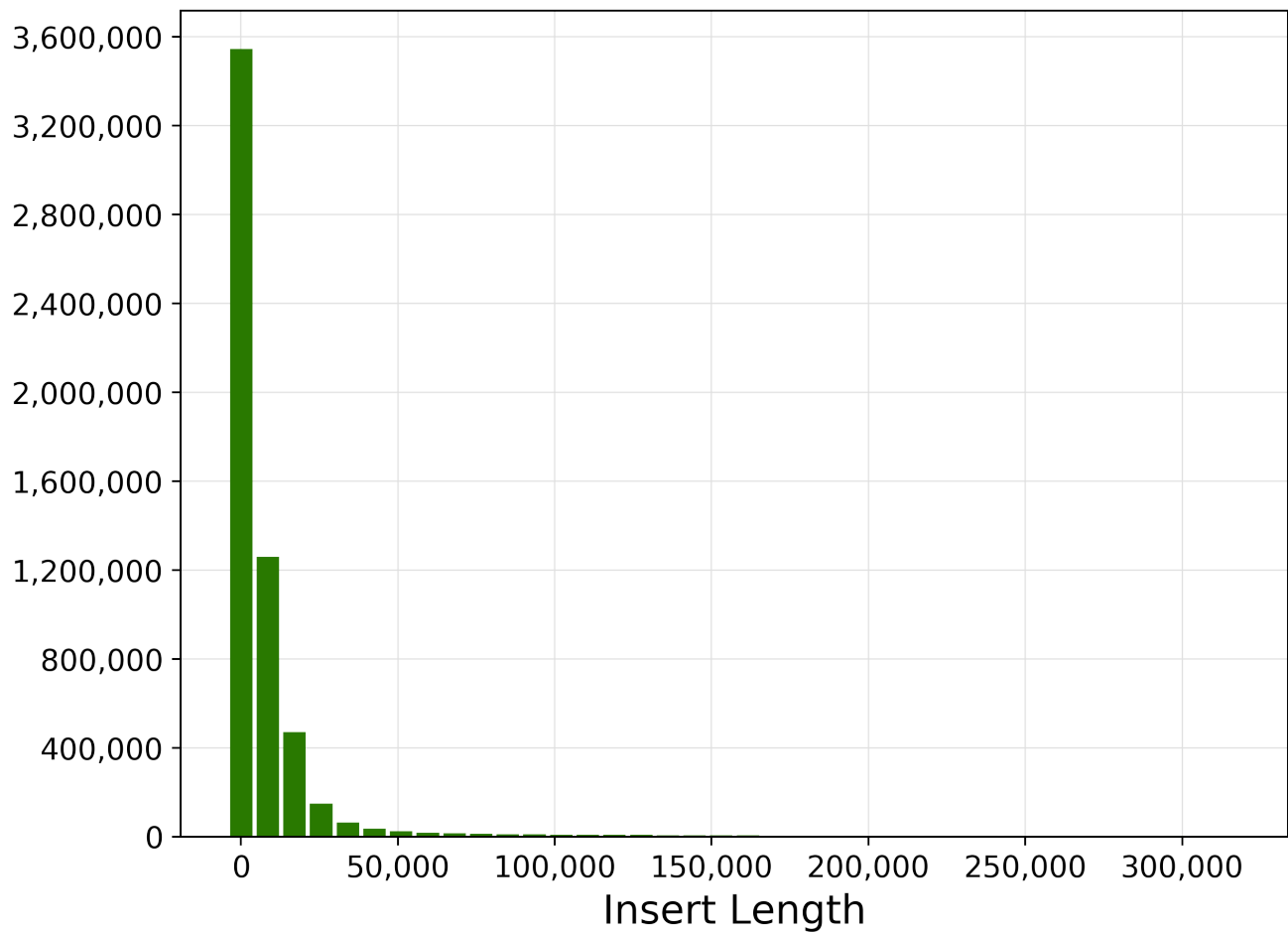
Polymerase Read Length



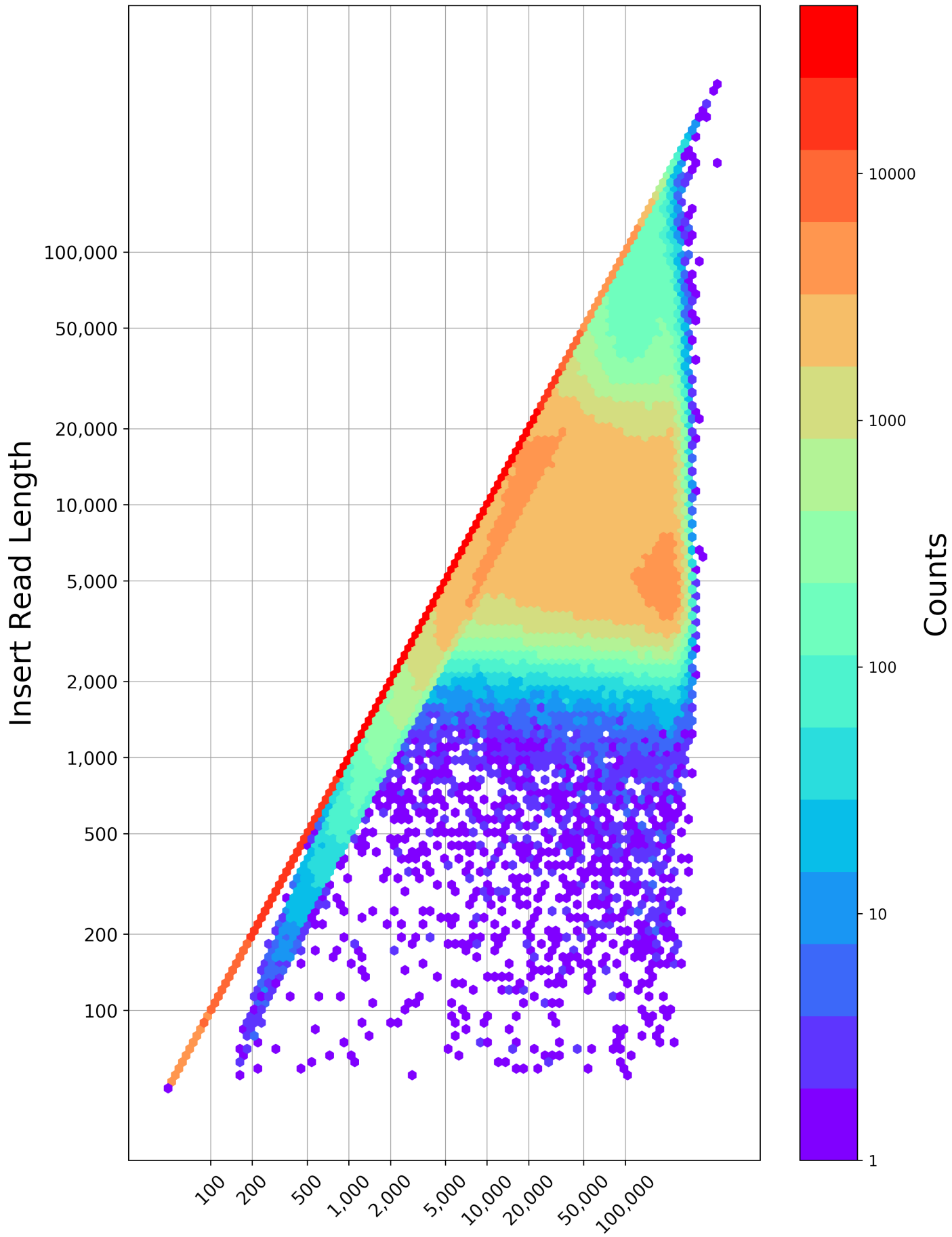
Subread Length



Estimated Insert Length

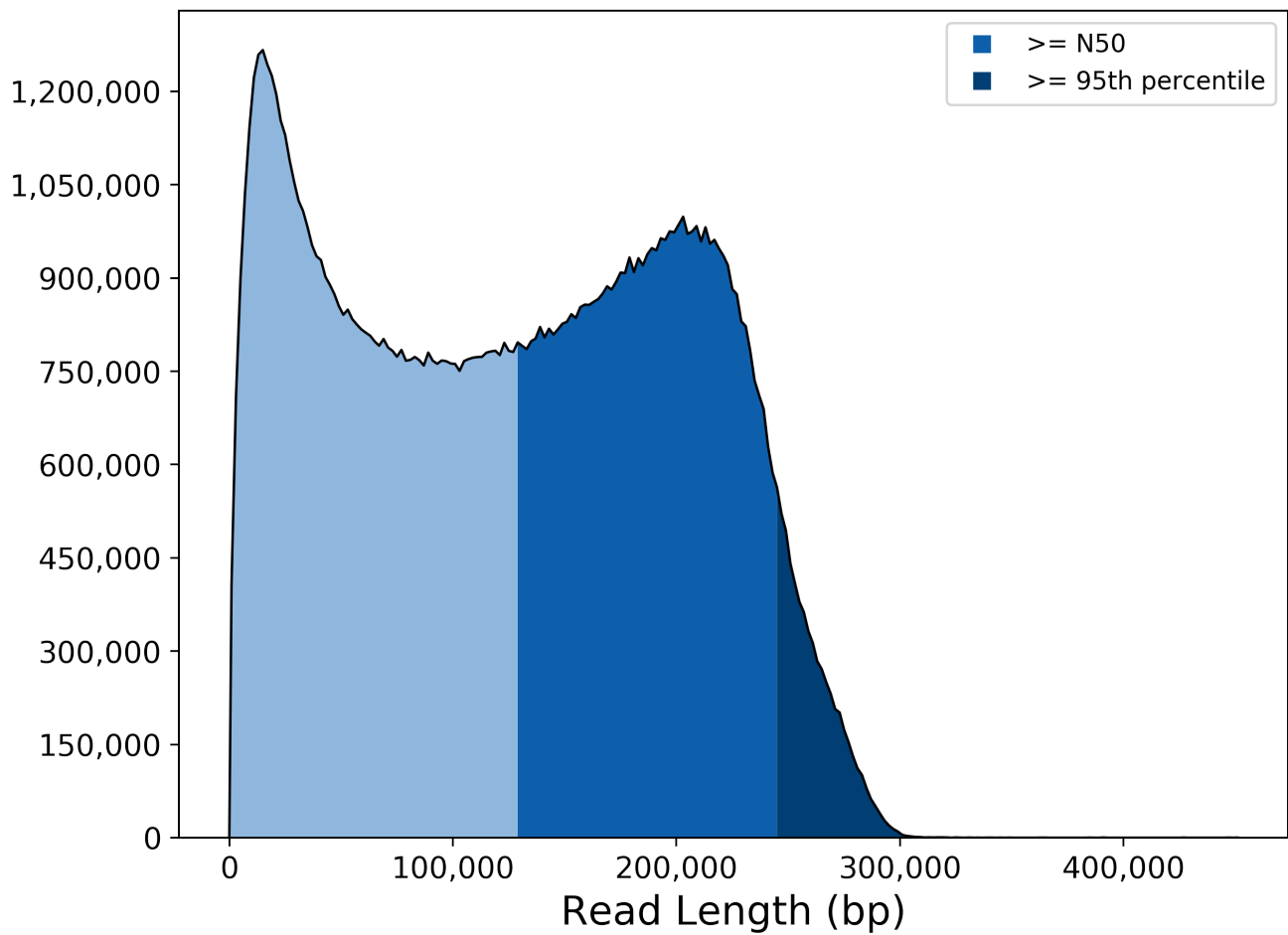


Insert Length Versus Read Length



## HQ Read Length

Base Yield Density

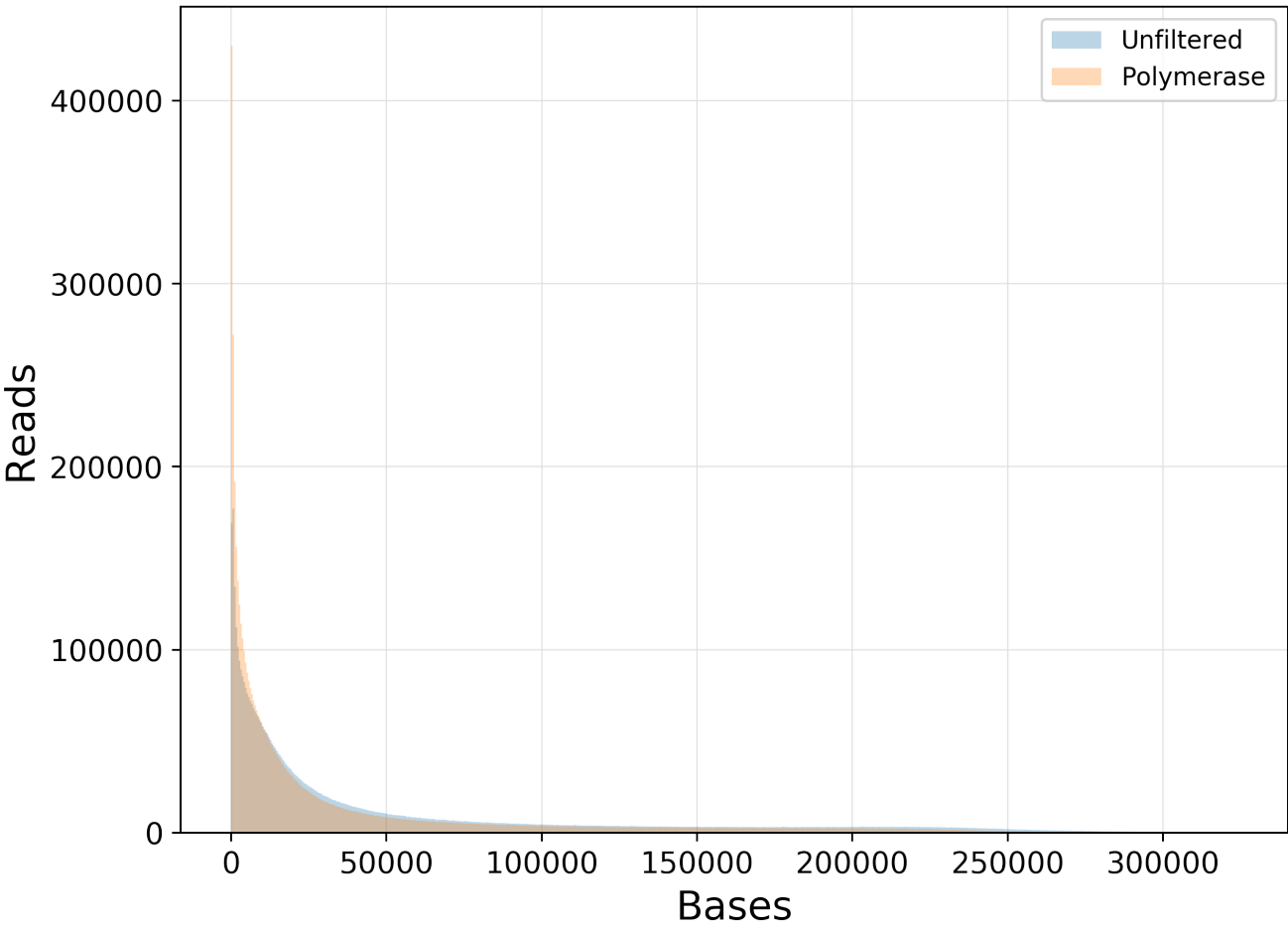


Loading Report

Loading Statistics

Collection Context	Productive ZMWs	Productivity 0	(%)	Productivity 1	(%)	Productivity 2	(%)	L
m64069_201002_215024	8006451	2196708	27.41	5606355	69.95	211608	2.64	I

## Loading Evaluation



## Job 1898

### Summary

Job Type	analysis
Pipeline	cromwell.workflows.pb_ccs
Name	PB420_DeltaSmelt_Female_LowInput_Run10022020_CCSanalysis
Comments	Description for job Run Analysis Application
Created At	2020-10-05 16:14:26.315
SMRT Link Version	9.0.0.92188

### Other inputs

File Type	Name	Dataset ID	Number of Records
SubreadSet	PB420_DeltaSmeltFemale_LowTP_titr-Cell1	1a1af072-eb4f-425f-87b4-02ba45dd9c0f	40,852,857

## Output files

File name	Size	Type
Cromwell metadata	154,763	json
m64069_201002_215024.Q20.fasta	7,790,139,515	Fasta
m64069_201002_215024.ccs.bam	5,481,247,020	ConsensusReadBamFile
PB420_DeltaSmeltFemale_LowTP_titr-Cell1 (CCS)	71,255	ConsensusReadSet
m64069_201002_215024.Q20.fastq	15,285,080,590	Fastq
CCS Per-Read Details	8,503,998	zip
Analysis Log	310,198	log
SMRT Link Log	9,822	log

## No child jobs found