

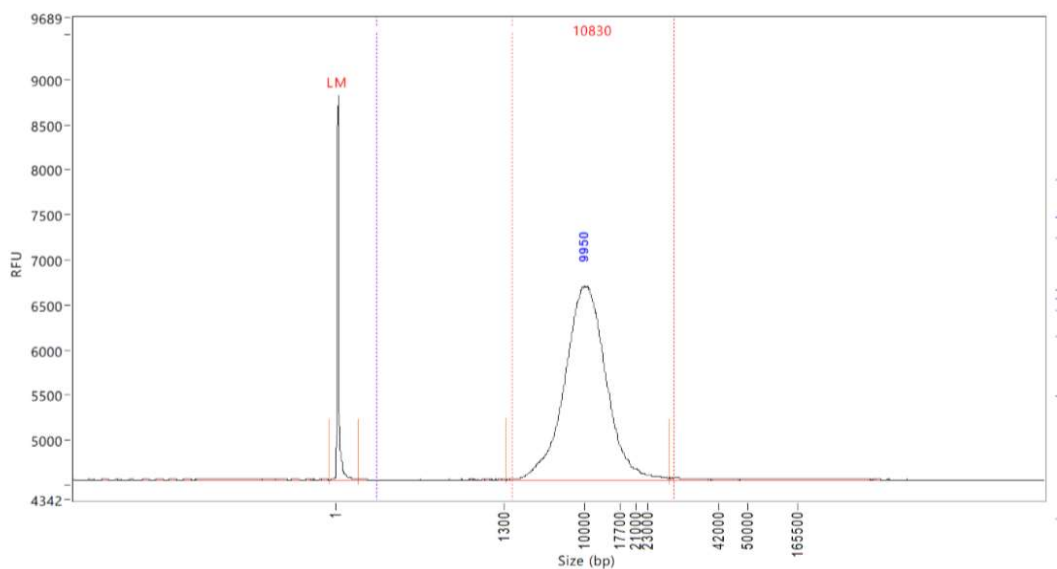
## UW PacBio Sequencing Report

Requester: Fabini Orata  
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Date Submitted: 2/13/2019

### Library Statistics:

#### MicrobeLib.FO

Library prep: Multiplex SMRTbell prep, gTube shearing  
Library size range (bp): 2,000-25,000



### Sequencing Statistics

Total Sequencing run: 1  
Number SMRT cell used: 1  
Chemistry: Sequel v3.0

Sample Name	Productive ZMWs	Average Pol Read Length (bp)	Average ROI Readlength (bp)	N(50) ROI Readlength (bp)	Movie Length (min)	Pre-Extension Time (min)
MicrobeLib.FO	430494	32861	6569	8475	600	480

### Demultiplex Analysis Parameters

Sample Name	MicrobeLib.FO
Same Barcodes on Both Ends of Sequence	TRUE
Minimum Barcode Score	25
Infer Barcodes Used	TRUE
Name of Output Data Set	Microbe.FO

### Barcode Summary Metrics

Sample Name	MicrobeLib.FO
Unique Barcodes	4
Barcoded Reads	309138
Mean Reads	77284
Max. Reads	108227
Min. Reads	61512
Mean Read Length	43106
Mean Longest Subread Length	75743
Unbarcoded Reads	111515

### Barcoded Reads

Barcode Name	Bio Sample Name	Polymerase Reads	Subreads	Mean Read Length	Mean Barcode Quality
bc1080--bc1080	XLM_V4	108227	887896	46411	76
bc1093--bc1093	WRRRC-1	66284	490626	38850	76
bc1100--bc1100	BG8_CH4	73115	629010	42874	76
bc1109--bc1109	BG8_CH3OH	61512	509825	42151	77
Not Barcoded	No Name	111515	121497	10943	0

**HGAP Analysis Parameters**

	XLM_V4 bc1080--bc1080	WRRC-1 bc1093--bc1093	BG8_CH4 bc1100--bc1100	BG8_CH3OH bc1109--bc1109
Aggressive option	FALSE	FALSE	FALSE	FALSE
FALCON cfg overrides	pa_DBSplit_option = -x500 -s200	pa_DBSplit_option = -x500 -s200	pa_DBSplit_option = -x500 -s200	pa_DBSplit_option = -x500 -s200
Genome Length	5700000	4700000	4500000	4500000
Seed length cutoff	-1	-1	-1	-1

**HGAP Assembly**

Sample Name	Bio Sample Name	# Polished Contigs	Contig Length (Mb)	N50 Contig Length (Mb)	Sum of Contig Lengths (Mb)	Mean Coverage	% Missing Bases
bc1080--bc1080	XLM_V4	4	5241379	5241379	5855530	781	0
bc1093--bc1093	WRRC-1	4	3967355	3967355	4004330	482	0
bc1100--bc1100	BG8_CH4	16	2226513	1153273	7949378	287	0
bc1109--bc1109	BG8_CH3OH	5	3401415	3401415	4542655	511	0