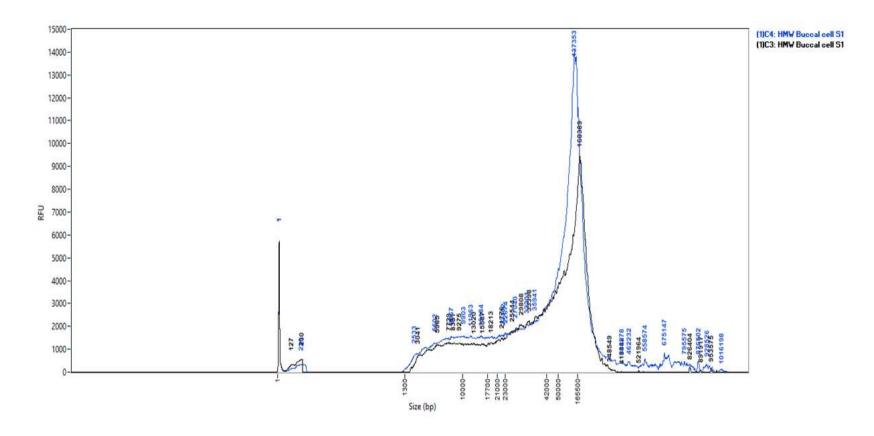


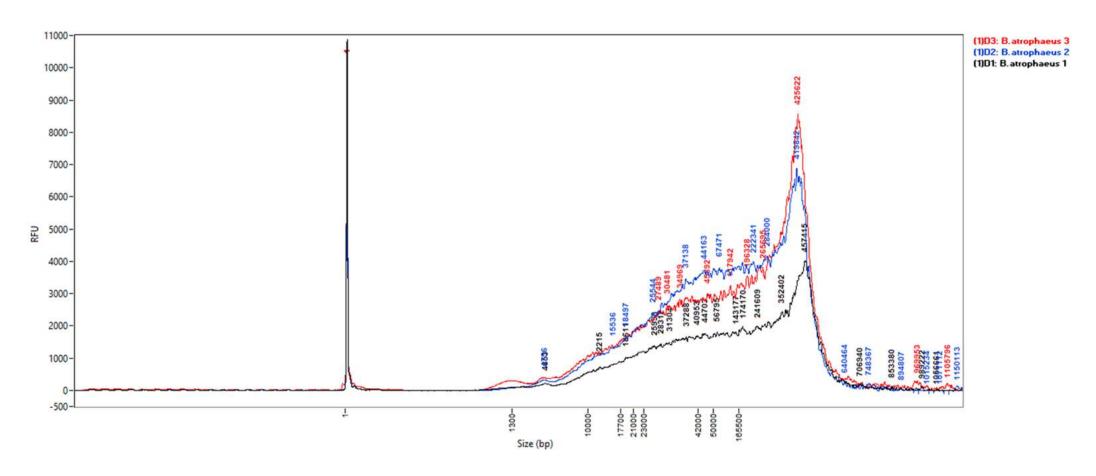
High Molecular Weight DNA Extraction from whole blood.





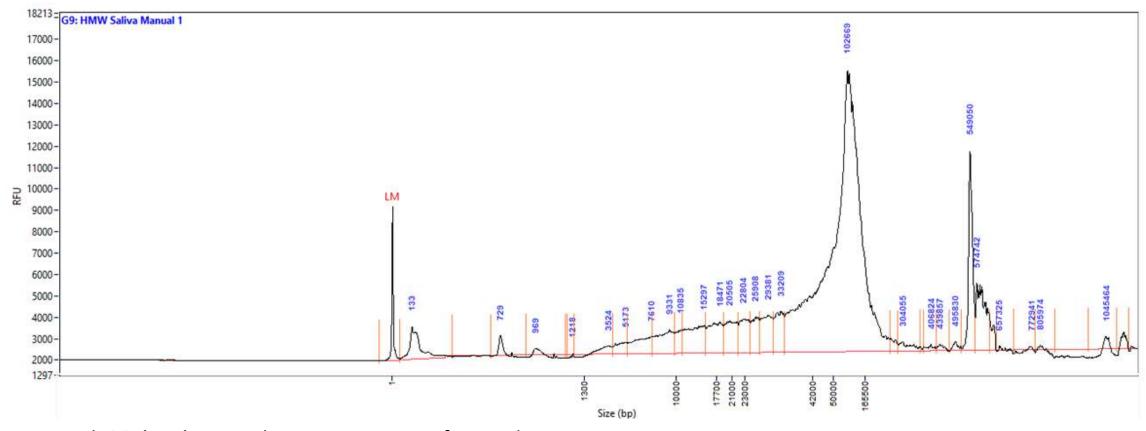
High Molecular Weight DNA Extraction from buccal cells.





High Molecular Weight DNA Extraction from Bacillus atrophaeus.





High Molecular Weight DNA Extraction from saliva



DNA Purity and Yield of the Extracted HMW DNA

Sample Matrix	Sample Input Volume	Average Purity (A260/A280)	Average Purity (A260/A230)	Average Yield (ug)
Whole Blood	200 μL	1.8	1.9	4-6
Saliva	200 μL	1.8	1.7-1.8	4-6
Buccal cells	200 μL	1.8	1.7-1.8	2-5
Bacteria (Bacillus atrophaeus)	OD600 = 1 or near 1 (pellet)	1.8	1.7-1.8	3-5