

stridium botullis

Intro

- C. botulinum produces
 highly lethal toxin
 - LD50 = 0.03 ng/kg
- I will assemble and annotate the genome using pairedend reads

METHODS

Assemble Genome

Take the reads and try to put them together in one big piece

(Abyss and Spades)

Assess Assembly Quality

Given a complete reference genome, how well did our assemblers do?

(Quast)

Annotate Genome

Find genes and the proteins they code for

(Prokka and Rast)

Results

	Quality assessment using QUAST					Genome Annotation	
	N50	L50	Largest contig	# contigs	GC%	CDS Prokka	CDS Rast
Abyss	550,747	3	1,095,256	24	27.78	4,100	4,242
Spades	467,820	4	993,415	26	27.75	4,096	4,258

Fin