**Cover letter for Lulumae B1 Phage (University of Mary cohort 9)**

**Big gaps (over 100 bp):**

*Genes 9-10 = seen in Phamerator as an added gene but we saw virtually no coding potential (bp8700-9100)\**

Genes 10-11 = seen in Phamerator as a big gap (compared to Vista B1 Phage)

Genes 50-51 = seen in Phamerator as a big gap (compared to Vista B1 Phage)

Genes 61-62 = seen in Phamerator as a big gap (compared to Vista B1 Phage)

*Genes 85-86 = seen in Phamerator as a big gap once the extra gene was deleted (compared to Vista B1 Phage)\**

Genes 90-91 = seen in Phamerator as a big gap (compared to Vista B1 Phage)

**Other:**

Gene 27: When reblasted, showed no blast data? Used data from previous blast for notes.

\*Please check these gene areas