**Student Gene Annotation Worksheet**

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| **Basic Phage Information** | |
| **Phage Name** | **Wardwill** |
| **Gene #** | **18** |
| **Stop Coordinate** | **9801bp** |
| **Direction (For/Rev)** | **Rev** |
| **Gap (Overlap) with Previous Gene** | **Gap 9bp** |
| **Selected Start Coordinate** | **9640bp** |
| **Selected Function** | **Not a Gene!!** |

**Annotation Decision #1: Is this a Gene?**

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| **Gathering Evidence** | **Explain Your Rationale** |
| Was the gene called by an auto-annotation program (Glimmer, GeneMark)? | *It is recognized by Glimmer but not by GeneMark .* |
| Is there evidence for coding potential? | *GeneMarkS and GeneMark-host show no coding potential.* |
| Is this gene present in other annotated genomes? | *PhagesDB blast hit LilTerminator\_Draft\_17with e value=3e-24*  *Phamerator phage: pham 15687 (25/4/25)* |
| Does the gene violate any major guiding principles? | *Yes, the gene fails to complu whit one key guiding principles* |
| **DECISION:** | *No, it is not a gene.* |