



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 5861 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5861 has 14 members, 5 are drafts.

Phages represented in each track:

- Track 1 : EggyFarm_18, BigCity_18, Sebata_16, Grasshills_18
- Track 2 : FrayBell_19, Bigswole_18, LordLeafolot_19, Specks_17, InterFolia_19, JayJay_15, LolaVinca_16, QBert_12, Nappy_15
- Track 3 : LinStu_16

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigCity_18, Bigswole_18, EggyFarm_18, FrayBell_19, Grasshills_18, InterFolia_19, JayJay_15, LolaVinca_16, LordLeafolot_19, Nappy_15, QBert_12, Sebata_16, Specks_17,

Genes that have the "Most Annotated" start but do not call it:

- LinStu_16,

Genes that do not have the "Most Annotated" start:

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Summary by start number:

Start 2:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 92.9% of time when present
- Phage (with cluster) where this start called: BigCity_18 (C1), Bigswole_18 (C1), EggyFarm_18 (C1), FrayBell_19 (C1), Grasshills_18 (C1), InterFolia_19 (C1), JayJay_15 (C1), LolaVinca_16 (C1), LordLeafolot_19 (C1), Nappy_15 (C1), QBert_12 (C1), Sebata_16 (C1), Specks_17 (C1),

Start 3:

- Found in 14 of 14 (100.0%) of genes in pham

- Manual Annotations of this start: 1 of 9
- Called 7.1% of time when present
- Phage (with cluster) where this start called: LinStu_16 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:

- Start number 2 was manually annotated 8 times for cluster C1.
- Start number 3 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: BigCity_18 Start: 6589, Stop: 6828, Start Num: 2

Candidate Starts for BigCity_18:

(Start: 2 @6589 has 8 MA's), (Start: 3 @6604 has 1 MA's), (4, 6697), (5, 6769),

Gene: Bigswole_18 Start: 6019, Stop: 6258, Start Num: 2

Candidate Starts for Bigswole_18:

(1, 5758), (Start: 2 @6019 has 8 MA's), (Start: 3 @6034 has 1 MA's), (4, 6127), (5, 6199),

Gene: EggFarm_18 Start: 6589, Stop: 6828, Start Num: 2

Candidate Starts for EggFarm_18:

(Start: 2 @6589 has 8 MA's), (Start: 3 @6604 has 1 MA's), (4, 6697), (5, 6769),

Gene: FrayBell_19 Start: 6276, Stop: 6515, Start Num: 2

Candidate Starts for FrayBell_19:

(1, 6015), (Start: 2 @6276 has 8 MA's), (Start: 3 @6291 has 1 MA's), (4, 6384), (5, 6456),

Gene: Grasshills_18 Start: 6589, Stop: 6828, Start Num: 2

Candidate Starts for Grasshills_18:

(Start: 2 @6589 has 8 MA's), (Start: 3 @6604 has 1 MA's), (4, 6697), (5, 6769),

Gene: InterFolia_19 Start: 6273, Stop: 6512, Start Num: 2

Candidate Starts for InterFolia_19:

(1, 6012), (Start: 2 @6273 has 8 MA's), (Start: 3 @6288 has 1 MA's), (4, 6381), (5, 6453),

Gene: JayJay_15 Start: 4944, Stop: 5183, Start Num: 2

Candidate Starts for JayJay_15:

(1, 4683), (Start: 2 @4944 has 8 MA's), (Start: 3 @4959 has 1 MA's), (4, 5052), (5, 5124),

Gene: LinStu_16 Start: 5730, Stop: 5954, Start Num: 3

Candidate Starts for LinStu_16:

(Start: 2 @5715 has 8 MA's), (Start: 3 @5730 has 1 MA's), (4, 5823), (5, 5895),

Gene: LolaVinca_16 Start: 5379, Stop: 5618, Start Num: 2

Candidate Starts for LolaVinca_16:

(1, 5118), (Start: 2 @5379 has 8 MA's), (Start: 3 @5394 has 1 MA's), (4, 5487), (5, 5559),

Gene: LordLeafolot_19 Start: 6275, Stop: 6514, Start Num: 2

Candidate Starts for LordLeafolot_19:

(1, 6014), (Start: 2 @6275 has 8 MA's), (Start: 3 @6290 has 1 MA's), (4, 6383), (5, 6455),

Gene: Nappy_15 Start: 5102, Stop: 5341, Start Num: 2

Candidate Starts for Nappy_15:

(1, 4841), (Start: 2 @5102 has 8 MA's), (Start: 3 @5117 has 1 MA's), (4, 5210), (5, 5282),

Gene: QBert_12 Start: 5143, Stop: 5382, Start Num: 2

Candidate Starts for QBert_12:

(1, 4882), (Start: 2 @5143 has 8 MA's), (Start: 3 @5158 has 1 MA's), (4, 5251), (5, 5323),

Gene: Sebata_16 Start: 5715, Stop: 5954, Start Num: 2

Candidate Starts for Sebata_16:

(Start: 2 @5715 has 8 MA's), (Start: 3 @5730 has 1 MA's), (4, 5823), (5, 5895),

Gene: Specks_17 Start: 5456, Stop: 5695, Start Num: 2

Candidate Starts for Specks_17:

(1, 5195), (Start: 2 @5456 has 8 MA's), (Start: 3 @5471 has 1 MA's), (4, 5564), (5, 5636),