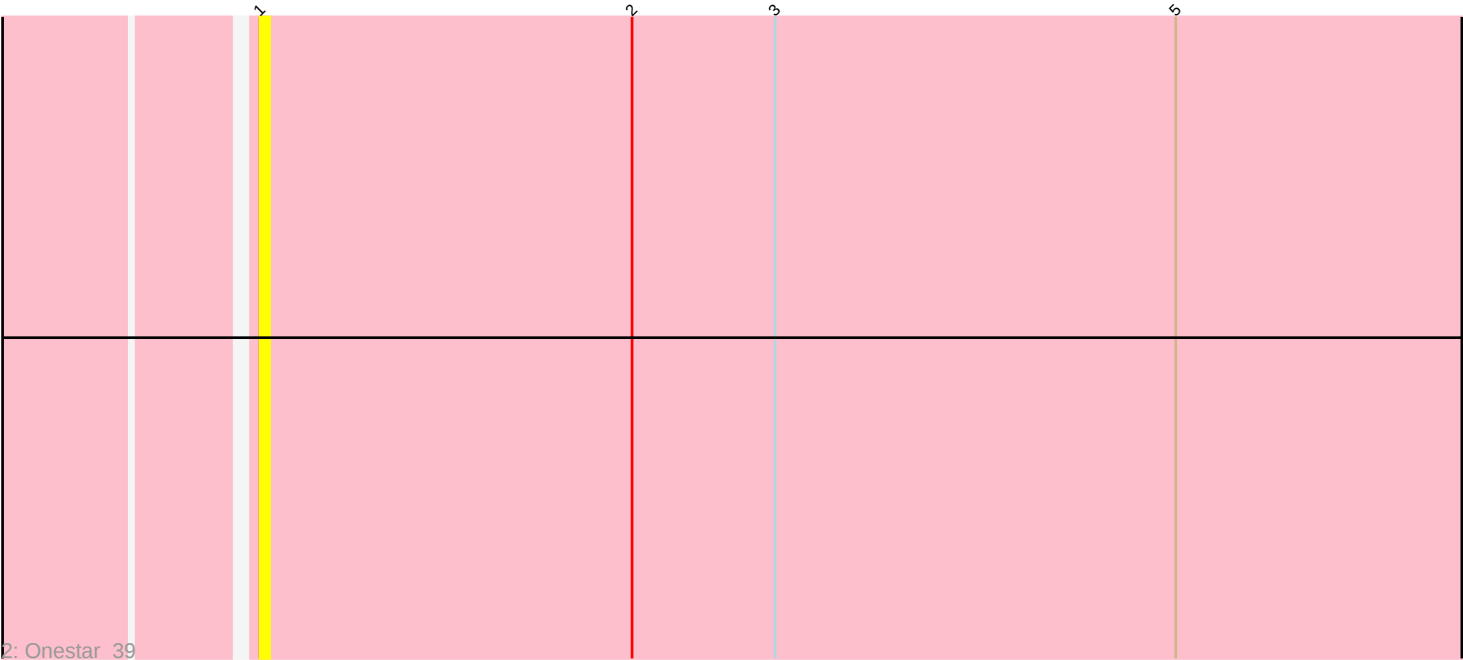
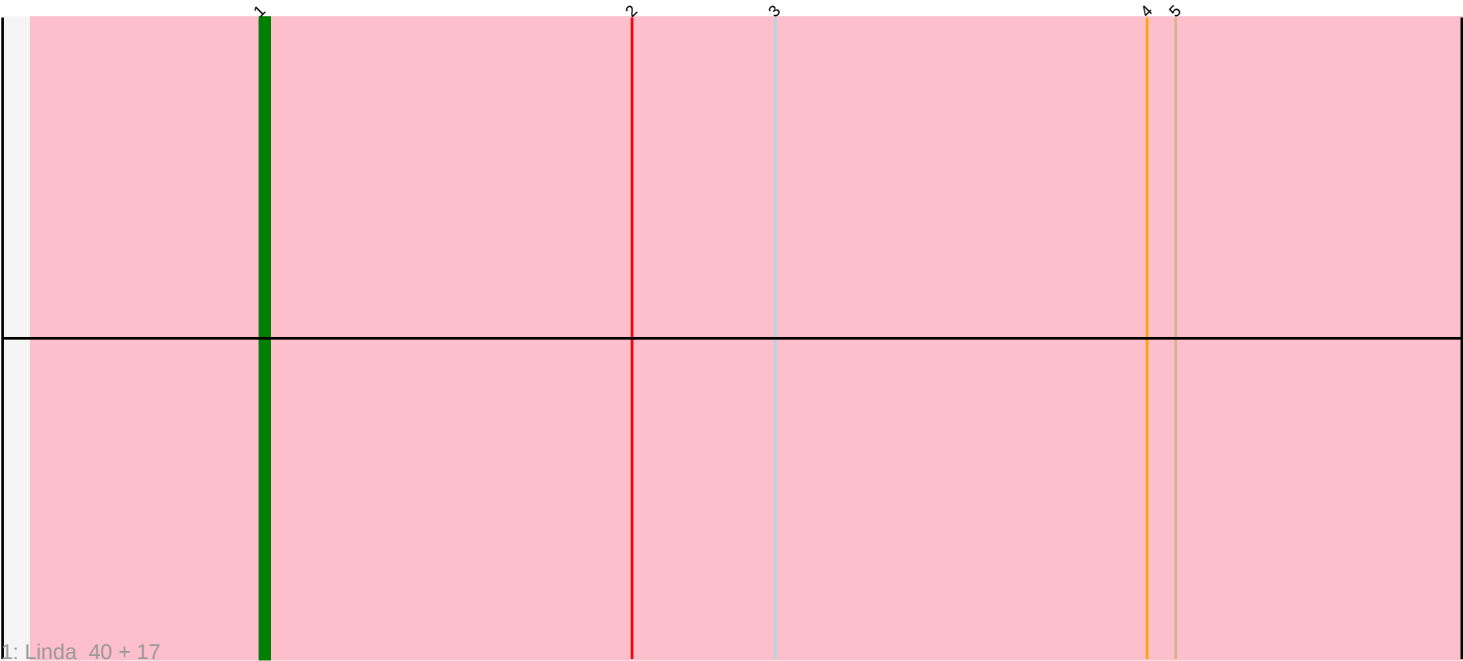




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 309365 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309365 has 19 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Linda_40, ProfFrink_40, BronxBay_40, Egad_40, HerbBucket_39, Michelle_40, Shiba_39, MrAaronian_40, Jeremy4pt0_39, StarLord_40, Djungelskog_40, Boog_39, Sloopyjoe_40, DoctorPepper_39, Raunak_41, Stayer_40, Spain_41, Salk_40
- Track 2 : Onestar_39

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boog_39, BronxBay_40, Djungelskog_40, DoctorPepper_39, Egad_40, HerbBucket_39, Jeremy4pt0_39, Linda_40, Michelle_40, MrAaronian_40, Onestar_39, ProfFrink_40, Raunak_41, Salk_40, Shiba_39, Sloopyjoe_40, Spain_41, StarLord_40, Stayer_40,

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

-

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

-

Summary by start number:

Start 1:

- Found in 19 of 19 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boog_39 (AW), BronxBay_40 (AW), Djungelskog_40 (AW), DoctorPepper_39 (AW), Egad_40 (AW), HerbBucket_39 (AW), Jeremy4pt0_39 (AW), Linda_40 (AW), Michelle_40 (AW), MrAaronian_40 (AW), Onestar_39 (AW), ProfFrink_40 (AW), Raunak_41 (AW), Salk_40 (AW), Shiba_39 (AW), Sloopyjoe_40 (AW), Spain_41 (AW), StarLord_40 (AW), Stayer_40 (AW),

Summary by clusters:

There is one cluster represented in this pham: AW

Info for manual annotations of cluster AW:

- Start number 1 was manually annotated 15 times for cluster AW.

Gene Information:

Gene: Boog_39 Start: 29708, Stop: 29905, Start Num: 1

Candidate Starts for Boog_39:

(Start: 1 @29708 has 15 MA's), (2, 29747), (3, 29762), (4, 29801), (5, 29804),

Gene: BronxBay_40 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for BronxBay_40:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: Djungelskog_40 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for Djungelskog_40:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: DoctorPepper_39 Start: 29707, Stop: 29904, Start Num: 1

Candidate Starts for DoctorPepper_39:

(Start: 1 @29707 has 15 MA's), (2, 29746), (3, 29761), (4, 29800), (5, 29803),

Gene: Egad_40 Start: 30006, Stop: 30203, Start Num: 1

Candidate Starts for Egad_40:

(Start: 1 @30006 has 15 MA's), (2, 30045), (3, 30060), (4, 30099), (5, 30102),

Gene: HerbBucket_39 Start: 29707, Stop: 29904, Start Num: 1

Candidate Starts for HerbBucket_39:

(Start: 1 @29707 has 15 MA's), (2, 29746), (3, 29761), (4, 29800), (5, 29803),

Gene: Jeremy4pt0_39 Start: 29702, Stop: 29899, Start Num: 1

Candidate Starts for Jeremy4pt0_39:

(Start: 1 @29702 has 15 MA's), (2, 29741), (3, 29756), (4, 29795), (5, 29798),

Gene: Linda_40 Start: 30000, Stop: 30197, Start Num: 1

Candidate Starts for Linda_40:

(Start: 1 @30000 has 15 MA's), (2, 30039), (3, 30054), (4, 30093), (5, 30096),

Gene: Michelle_40 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for Michelle_40:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: MrAaronian_40 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for MrAaronian_40:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: Onestar_39 Start: 29474, Stop: 29668, Start Num: 1

Candidate Starts for Onestar_39:

(Start: 1 @29474 has 15 MA's), (2, 29513), (3, 29528), (5, 29570),

Gene: ProfFrink_40 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for ProfFrink_40:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: Raunak_41 Start: 29702, Stop: 29899, Start Num: 1

Candidate Starts for Raunak_41:

(Start: 1 @29702 has 15 MA's), (2, 29741), (3, 29756), (4, 29795), (5, 29798),

Gene: Salk_40 Start: 30000, Stop: 30197, Start Num: 1

Candidate Starts for Salk_40:

(Start: 1 @30000 has 15 MA's), (2, 30039), (3, 30054), (4, 30093), (5, 30096),

Gene: Shiba_39 Start: 29702, Stop: 29899, Start Num: 1

Candidate Starts for Shiba_39:

(Start: 1 @29702 has 15 MA's), (2, 29741), (3, 29756), (4, 29795), (5, 29798),

Gene: Sloopyjoe_40 Start: 30006, Stop: 30203, Start Num: 1

Candidate Starts for Sloopyjoe_40:

(Start: 1 @30006 has 15 MA's), (2, 30045), (3, 30060), (4, 30099), (5, 30102),

Gene: Spain_41 Start: 30005, Stop: 30202, Start Num: 1

Candidate Starts for Spain_41:

(Start: 1 @30005 has 15 MA's), (2, 30044), (3, 30059), (4, 30098), (5, 30101),

Gene: StarLord_40 Start: 30006, Stop: 30203, Start Num: 1

Candidate Starts for StarLord_40:

(Start: 1 @30006 has 15 MA's), (2, 30045), (3, 30060), (4, 30099), (5, 30102),

Gene: Stayer_40 Start: 30000, Stop: 30197, Start Num: 1

Candidate Starts for Stayer_40:

(Start: 1 @30000 has 15 MA's), (2, 30039), (3, 30054), (4, 30093), (5, 30096),