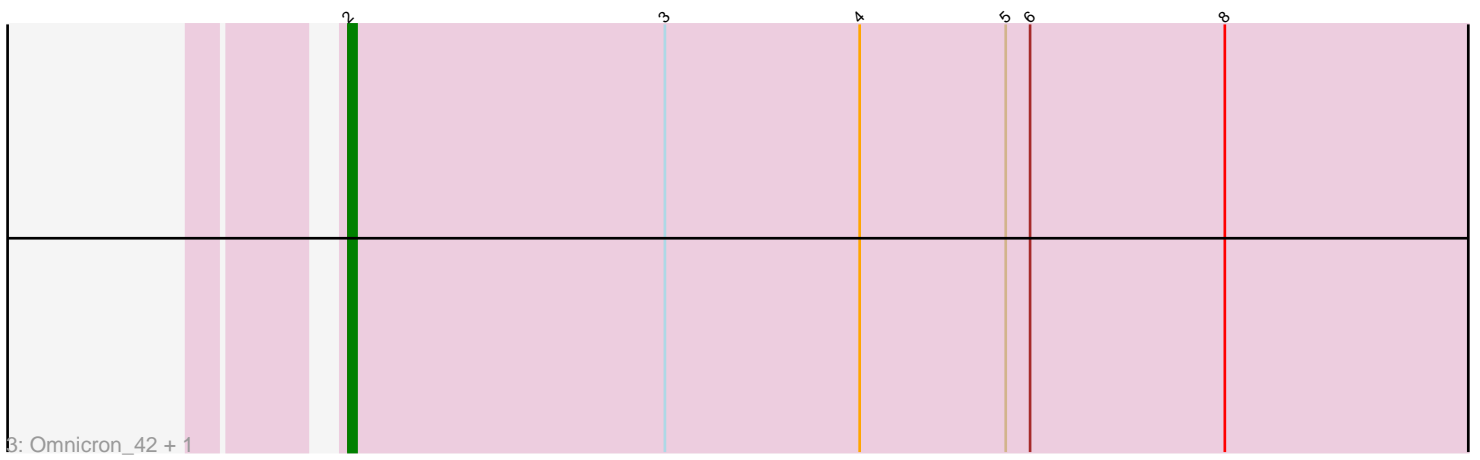
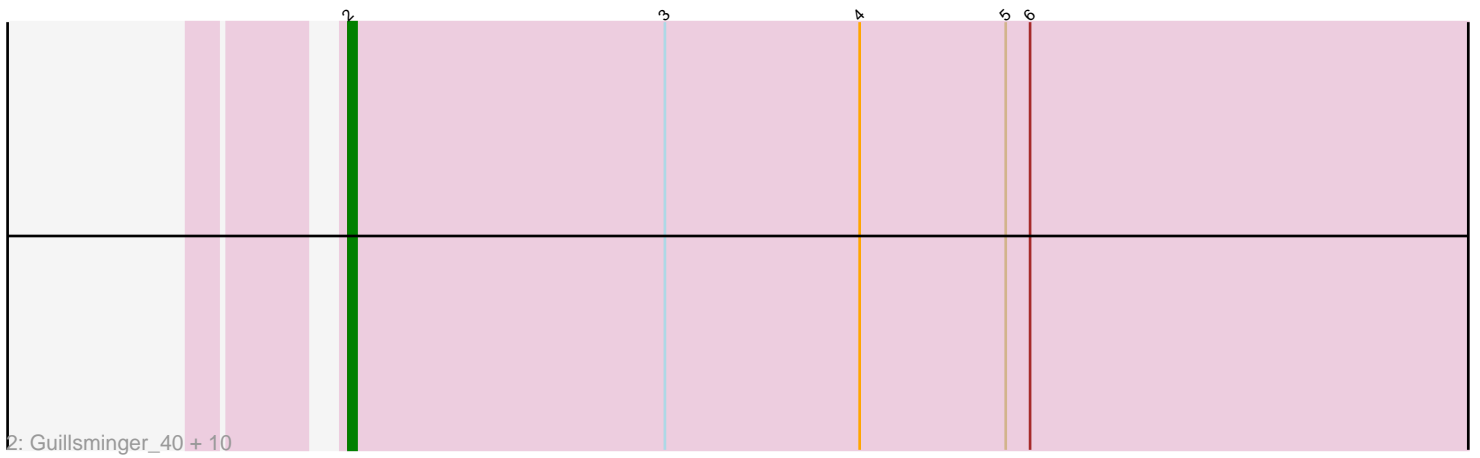


Pham 5263



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 5263 Report

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

Pham number 5263 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MalagasyRose_42
- Track 2 : Guillsminger_40, Heftyboy_39, Leston_39, Paola_39, Miryou_42, Feyre_39, OkiRoe_39, SoSeph_39, Thyatira_41, Gengar_39, Waterfoul_40
- Track 3 : Omnicron_42, Rando14_41

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Feyre_39, Gengar_39, Guillsminger_40, Heftyboy_39, Leston_39, MalagasyRose_42, Miryou_42, OkiRoe_39, Omnicron_42, Paola_39, Rando14_41, SoSeph_39, Thyatira_41, Waterfoul_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 2:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Feyre_39 (K5), Gengar_39 (K5), Guillsminger_40 (K5), Heftyboy_39 (K5), Leston_39 (K5), MalagasyRose_42 (AG), Miryou_42 (K5), OkiRoe_39 (K5), Omnicron_42 (K5), Paola_39 (K5), Rando14_41 (K5), SoSeph_39 (K5), Thyatira_41 (K5), Waterfoul_40 (K5),

Summary by clusters:

There are 2 clusters represented in this pham: AG, K5,

Info for manual annotations of cluster AG:

- Start number 2 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster K5:

- Start number 2 was manually annotated 12 times for cluster K5.

Gene Information:

Gene: Feyre_39 Start: 32700, Stop: 32840, Start Num: 2

Candidate Starts for Feyre_39:

(Start: 2 @32700 has 13 MA's), (3, 32739), (4, 32763), (5, 32781), (6, 32784),

Gene: Gengar_39 Start: 32810, Stop: 32950, Start Num: 2

Candidate Starts for Gengar_39:

(Start: 2 @32810 has 13 MA's), (3, 32849), (4, 32873), (5, 32891), (6, 32894),

Gene: Guillsminger_40 Start: 32781, Stop: 32921, Start Num: 2

Candidate Starts for Guillsminger_40:

(Start: 2 @32781 has 13 MA's), (3, 32820), (4, 32844), (5, 32862), (6, 32865),

Gene: Heftyboy_39 Start: 32927, Stop: 33067, Start Num: 2

Candidate Starts for Heftyboy_39:

(Start: 2 @32927 has 13 MA's), (3, 32966), (4, 32990), (5, 33008), (6, 33011),

Gene: Leston_39 Start: 32911, Stop: 33051, Start Num: 2

Candidate Starts for Leston_39:

(Start: 2 @32911 has 13 MA's), (3, 32950), (4, 32974), (5, 32992), (6, 32995),

Gene: MalagasyRose_42 Start: 32374, Stop: 32508, Start Num: 2

Candidate Starts for MalagasyRose_42:

(1, 32362), (Start: 2 @32374 has 13 MA's), (5, 32455), (7, 32470),

Gene: Miryou_42 Start: 35113, Stop: 35253, Start Num: 2

Candidate Starts for Miryou_42:

(Start: 2 @35113 has 13 MA's), (3, 35152), (4, 35176), (5, 35194), (6, 35197),

Gene: OkiRoe_39 Start: 32783, Stop: 32923, Start Num: 2

Candidate Starts for OkiRoe_39:

(Start: 2 @32783 has 13 MA's), (3, 32822), (4, 32846), (5, 32864), (6, 32867),

Gene: Omnicron_42 Start: 32402, Stop: 32542, Start Num: 2

Candidate Starts for Omnicron_42:

(Start: 2 @32402 has 13 MA's), (3, 32441), (4, 32465), (5, 32483), (6, 32486), (8, 32510),

Gene: Paola_39 Start: 32781, Stop: 32921, Start Num: 2

Candidate Starts for Paola_39:

(Start: 2 @32781 has 13 MA's), (3, 32820), (4, 32844), (5, 32862), (6, 32865),

Gene: Rando14_41 Start: 31973, Stop: 32113, Start Num: 2

Candidate Starts for Rando14_41:

(Start: 2 @31973 has 13 MA's), (3, 32012), (4, 32036), (5, 32054), (6, 32057), (8, 32081),

Gene: SoSeph_39 Start: 32927, Stop: 33067, Start Num: 2

Candidate Starts for SoSeph_39:

(Start: 2 @32927 has 13 MA's), (3, 32966), (4, 32990), (5, 33008), (6, 33011),

Gene: Thyatira_41 Start: 35128, Stop: 35268, Start Num: 2

Candidate Starts for Thyatira_41:

(Start: 2 @35128 has 13 MA's), (3, 35167), (4, 35191), (5, 35209), (6, 35212),

Gene: Waterfoul_40 Start: 33022, Stop: 33162, Start Num: 2

Candidate Starts for Waterfoul_40:

(Start: 2 @33022 has 13 MA's), (3, 33061), (4, 33085), (5, 33103), (6, 33106),