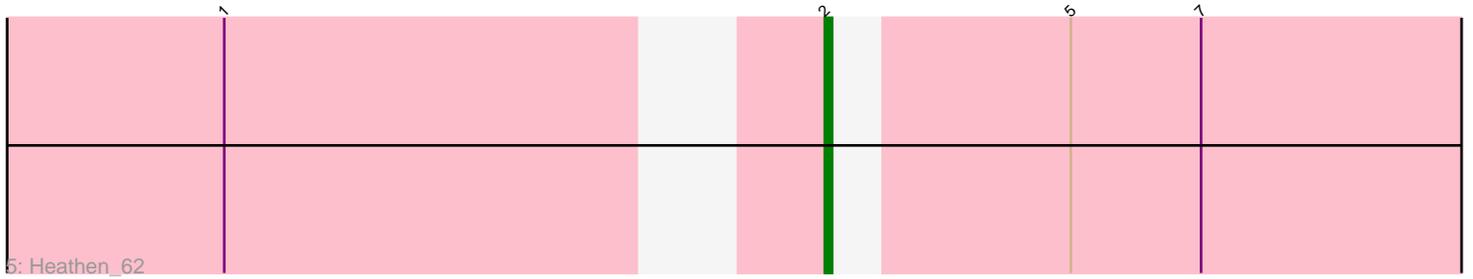
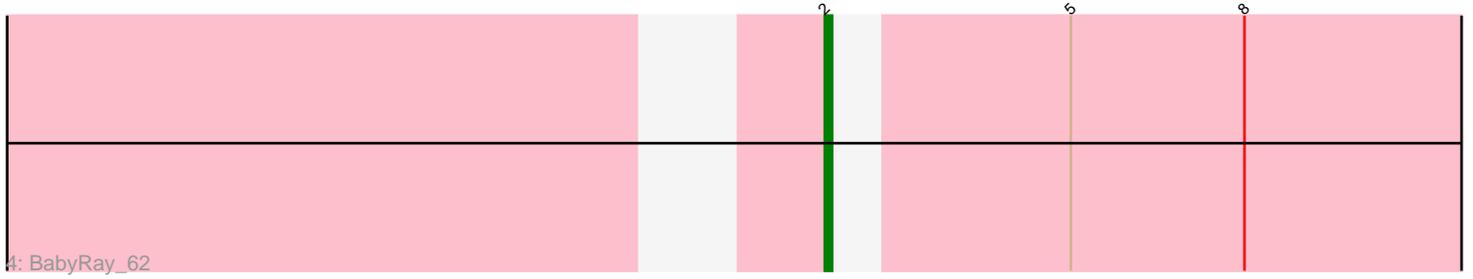
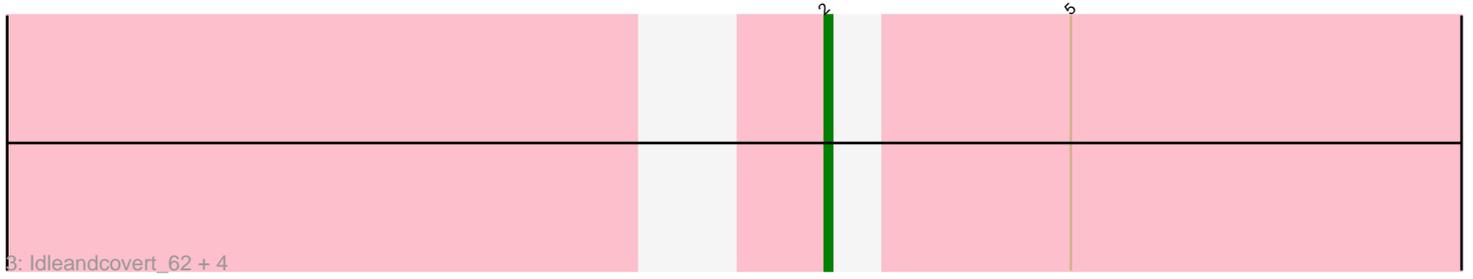
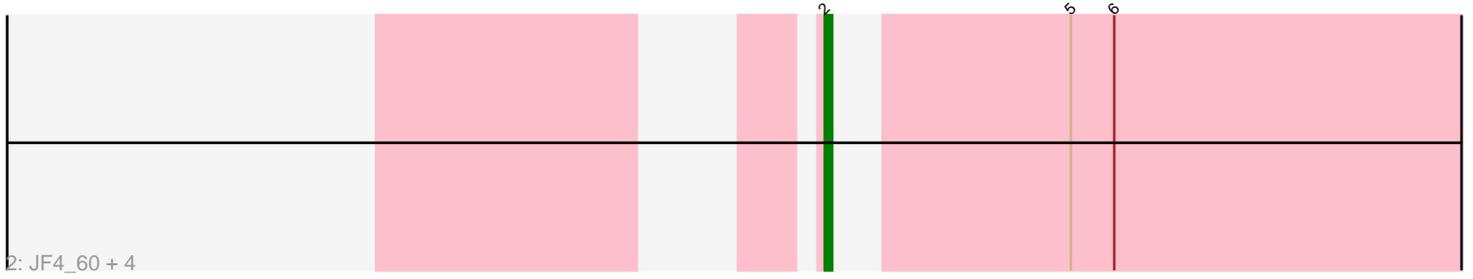
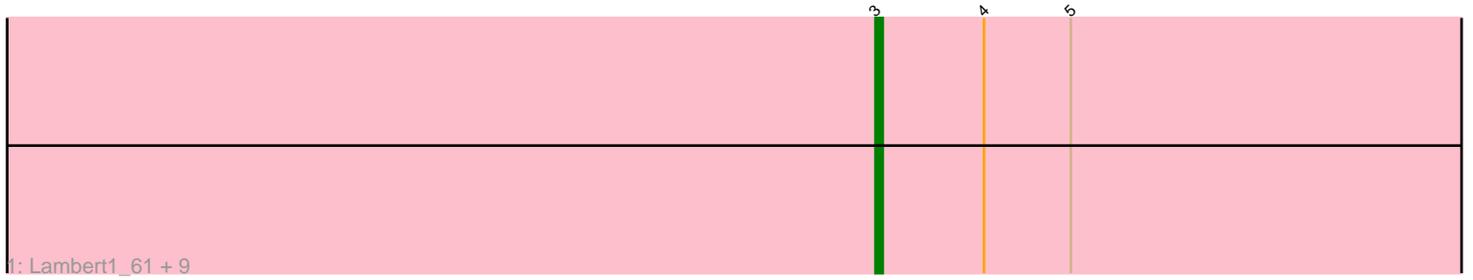


Pham 284177



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 284177 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284177 has 22 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Lambert1_61, Todacoro_61, Noella_61, QuinnKiro_60, Popcicle_61, Margo_61, Hookmount_61, Caviar_61, Pocahontas_61, Panamaxus_59
- Track 2 : JF4_60, JF2_60, Rockstar_60, Phantastic_63, MK4_62
- Track 3 : Idleandcovert_62, TNguyen7_63, BlueBird_64, MA5_62, Giroux_64
- Track 4 : BabyRay_62
- Track 5 : Heathen_62

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 12 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyRay_62, BlueBird_64, Giroux_64, Heathen_62, Idleandcovert_62, JF2_60, JF4_60, MA5_62, MK4_62, Phantastic_63, Rockstar_60, TNguyen7_63,

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

-

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

- Caviar_61, Hookmount_61, Lambert1_61, Margo_61, Noella_61, Panamaxus_59, Pocahontas_61, Popcicle_61, QuinnKiro_60, Todacoro_61,

Summary by start number:

Start 2:

- Found in 12 of 22 (54.5%) of genes in pham
- Manual Annotations of this start: 12 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyRay_62 (A3), BlueBird_64 (A3), Giroux_64 (A3), Heathen_62 (A3), Idleandcovert_62 (A3), JF2_60 (A3), JF4_60 (A3), MA5_62 (A3), MK4_62 (A3), Phantastic_63 (A3), Rockstar_60 (A3), TNguyen7_63 (A3),

Start 3:

- Found in 10 of 22 (45.5%) of genes in pham
- Manual Annotations of this start: 10 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caviar_61 (A3), Hookmount_61 (A3), Lambert1_61 (A3), Margo_61 (A3), Noella_61 (A3), Panamaxus_59 (A3), Pocahontas_61 (A3), Popcicle_61 (A3), QuinnKiro_60 (A3), Todacoro_61 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:

- Start number 2 was manually annotated 12 times for cluster A3.
- Start number 3 was manually annotated 10 times for cluster A3.

Gene Information:

Gene: BabyRay_62 Start: 39415, Stop: 39332, Start Num: 2

Candidate Starts for BabyRay_62:

(Start: 2 @39415 has 12 MA's), (5, 39388), (8, 39364),

Gene: BlueBird_64 Start: 39459, Stop: 39376, Start Num: 2

Candidate Starts for BlueBird_64:

(Start: 2 @39459 has 12 MA's), (5, 39432),

Gene: Caviar_61 Start: 39418, Stop: 39335, Start Num: 3

Candidate Starts for Caviar_61:

(Start: 3 @39418 has 10 MA's), (4, 39403), (5, 39391),

Gene: Giroux_64 Start: 39458, Stop: 39375, Start Num: 2

Candidate Starts for Giroux_64:

(Start: 2 @39458 has 12 MA's), (5, 39431),

Gene: Heathen_62 Start: 39153, Stop: 39070, Start Num: 2

Candidate Starts for Heathen_62:

(1, 39222), (Start: 2 @39153 has 12 MA's), (5, 39126), (7, 39108),

Gene: Hookmount_61 Start: 39419, Stop: 39336, Start Num: 3

Candidate Starts for Hookmount_61:

(Start: 3 @39419 has 10 MA's), (4, 39404), (5, 39392),

Gene: Idleandcovert_62 Start: 39459, Stop: 39376, Start Num: 2

Candidate Starts for Idleandcovert_62:

(Start: 2 @39459 has 12 MA's), (5, 39432),

Gene: JF2_60 Start: 37619, Stop: 37536, Start Num: 2

Candidate Starts for JF2_60:

(Start: 2 @37619 has 12 MA's), (5, 37592), (6, 37586),

Gene: JF4_60 Start: 37619, Stop: 37536, Start Num: 2

Candidate Starts for JF4_60:
(Start: 2 @37619 has 12 MA's), (5, 37592), (6, 37586),

Gene: Lambert1_61 Start: 39418, Stop: 39335, Start Num: 3
Candidate Starts for Lambert1_61:
(Start: 3 @39418 has 10 MA's), (4, 39403), (5, 39391),

Gene: MA5_62 Start: 38819, Stop: 38736, Start Num: 2
Candidate Starts for MA5_62:
(Start: 2 @38819 has 12 MA's), (5, 38792),

Gene: MK4_62 Start: 38903, Stop: 38820, Start Num: 2
Candidate Starts for MK4_62:
(Start: 2 @38903 has 12 MA's), (5, 38876), (6, 38870),

Gene: Margo_61 Start: 39444, Stop: 39361, Start Num: 3
Candidate Starts for Margo_61:
(Start: 3 @39444 has 10 MA's), (4, 39429), (5, 39417),

Gene: Noella_61 Start: 39419, Stop: 39336, Start Num: 3
Candidate Starts for Noella_61:
(Start: 3 @39419 has 10 MA's), (4, 39404), (5, 39392),

Gene: Panamaxus_59 Start: 39418, Stop: 39335, Start Num: 3
Candidate Starts for Panamaxus_59:
(Start: 3 @39418 has 10 MA's), (4, 39403), (5, 39391),

Gene: Phantastic_63 Start: 39080, Stop: 38997, Start Num: 2
Candidate Starts for Phantastic_63:
(Start: 2 @39080 has 12 MA's), (5, 39053), (6, 39047),

Gene: Pocahontas_61 Start: 39415, Stop: 39332, Start Num: 3
Candidate Starts for Pocahontas_61:
(Start: 3 @39415 has 10 MA's), (4, 39400), (5, 39388),

Gene: Popcicle_61 Start: 39415, Stop: 39332, Start Num: 3
Candidate Starts for Popcicle_61:
(Start: 3 @39415 has 10 MA's), (4, 39400), (5, 39388),

Gene: QuinnKiro_60 Start: 39418, Stop: 39335, Start Num: 3
Candidate Starts for QuinnKiro_60:
(Start: 3 @39418 has 10 MA's), (4, 39403), (5, 39391),

Gene: Rockstar_60 Start: 38912, Stop: 38829, Start Num: 2
Candidate Starts for Rockstar_60:
(Start: 2 @38912 has 12 MA's), (5, 38885), (6, 38879),

Gene: TNguyen7_63 Start: 39425, Stop: 39342, Start Num: 2
Candidate Starts for TNguyen7_63:
(Start: 2 @39425 has 12 MA's), (5, 39398),

Gene: Todacoro_61 Start: 39418, Stop: 39335, Start Num: 3
Candidate Starts for Todacoro_61:

(Start: 3 @39418 has 10 MA's), (4, 39403), (5, 39391),