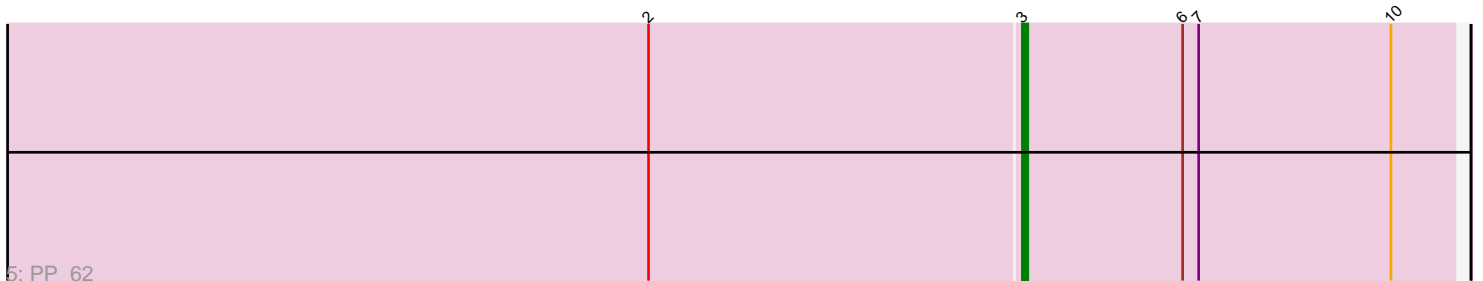
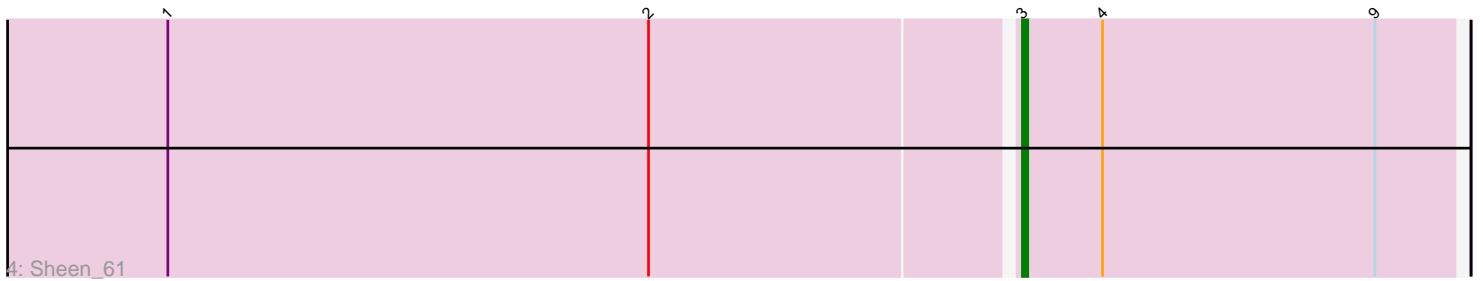
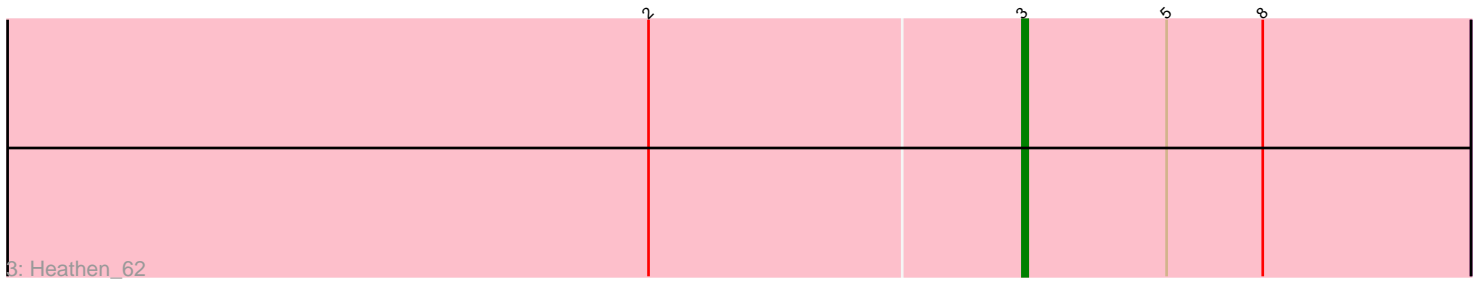
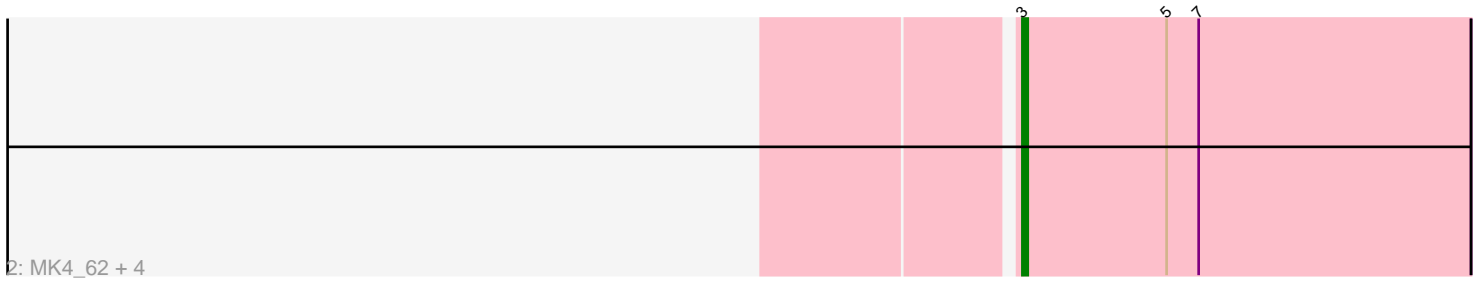
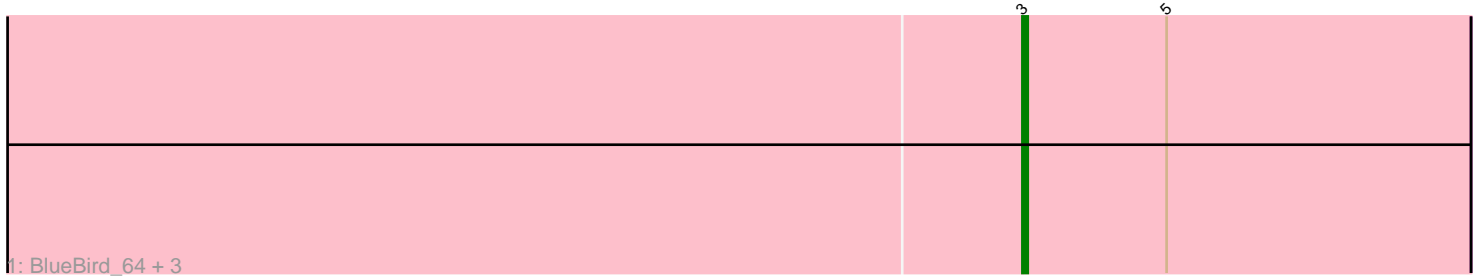


Pham 158324



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 158324 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158324 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : BlueBird_64, MA5_62, Idleandcovert_62, TNguyen7_63
- Track 2 : MK4_62, JF4_60, Phantastic_63, Rockstar_60, JF2_60
- Track 3 : Heathen_62
- Track 4 : Sheen_61
- Track 5 : PP_62

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueBird_64, Heathen_62, Idleandcovert_62, JF2_60, JF4_60, MA5_62, MK4_62, PP_62, Phantastic_63, Rockstar_60, Sheen_61, TNguyen7_63,

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 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueBird_64 (A3), Heathen_62 (A3), Idleandcovert_62 (A3), JF2_60 (A3), JF4_60 (A3), MA5_62 (A3), MK4_62 (A3), PP_62 (A7), Phantastic_63 (A3), Rockstar_60 (A3), Sheen_61 (A7), TNguyen7_63 (A3),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A7,

Info for manual annotations of cluster A3:

•Start number 3 was manually annotated 10 times for cluster A3.

Info for manual annotations of cluster A7:

•Start number 3 was manually annotated 2 times for cluster A7.

Gene Information:

Gene: BlueBird_64 Start: 39459, Stop: 39376, Start Num: 3

Candidate Starts for BlueBird_64:

(Start: 3 @39459 has 12 MA's), (5, 39432),

Gene: Heathen_62 Start: 39153, Stop: 39070, Start Num: 3

Candidate Starts for Heathen_62:

(2, 39222), (Start: 3 @39153 has 12 MA's), (5, 39126), (8, 39108),

Gene: Idleandcovert_62 Start: 39459, Stop: 39376, Start Num: 3

Candidate Starts for Idleandcovert_62:

(Start: 3 @39459 has 12 MA's), (5, 39432),

Gene: JF2_60 Start: 37619, Stop: 37536, Start Num: 3

Candidate Starts for JF2_60:

(Start: 3 @37619 has 12 MA's), (5, 37592), (7, 37586),

Gene: JF4_60 Start: 37619, Stop: 37536, Start Num: 3

Candidate Starts for JF4_60:

(Start: 3 @37619 has 12 MA's), (5, 37592), (7, 37586),

Gene: MA5_62 Start: 38819, Stop: 38736, Start Num: 3

Candidate Starts for MA5_62:

(Start: 3 @38819 has 12 MA's), (5, 38792),

Gene: MK4_62 Start: 38903, Stop: 38820, Start Num: 3

Candidate Starts for MK4_62:

(Start: 3 @38903 has 12 MA's), (5, 38876), (7, 38870),

Gene: PP_62 Start: 43352, Stop: 43272, Start Num: 3

Candidate Starts for PP_62:

(2, 43421), (Start: 3 @43352 has 12 MA's), (6, 43322), (7, 43319), (10, 43283),

Gene: Phantastic_63 Start: 39080, Stop: 38997, Start Num: 3

Candidate Starts for Phantastic_63:

(Start: 3 @39080 has 12 MA's), (5, 39053), (7, 39047),

Gene: Rockstar_60 Start: 38912, Stop: 38829, Start Num: 3

Candidate Starts for Rockstar_60:

(Start: 3 @38912 has 12 MA's), (5, 38885), (7, 38879),

Gene: Sheen_61 Start: 42251, Stop: 42171, Start Num: 3

Candidate Starts for Sheen_61:

(1, 42407), (2, 42317), (Start: 3 @42251 has 12 MA's), (4, 42236), (9, 42185),

Gene: TNguyen7_63 Start: 39425, Stop: 39342, Start Num: 3

Candidate Starts for TNguyen7_63:

(Start: 3 @39425 has 12 MA's), (5, 39398),