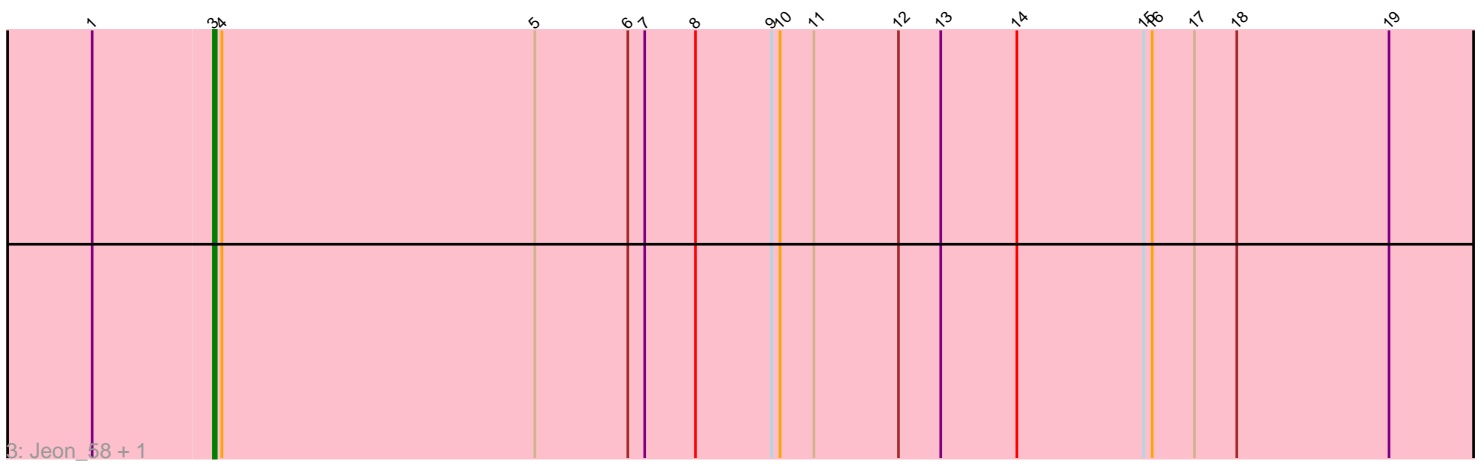
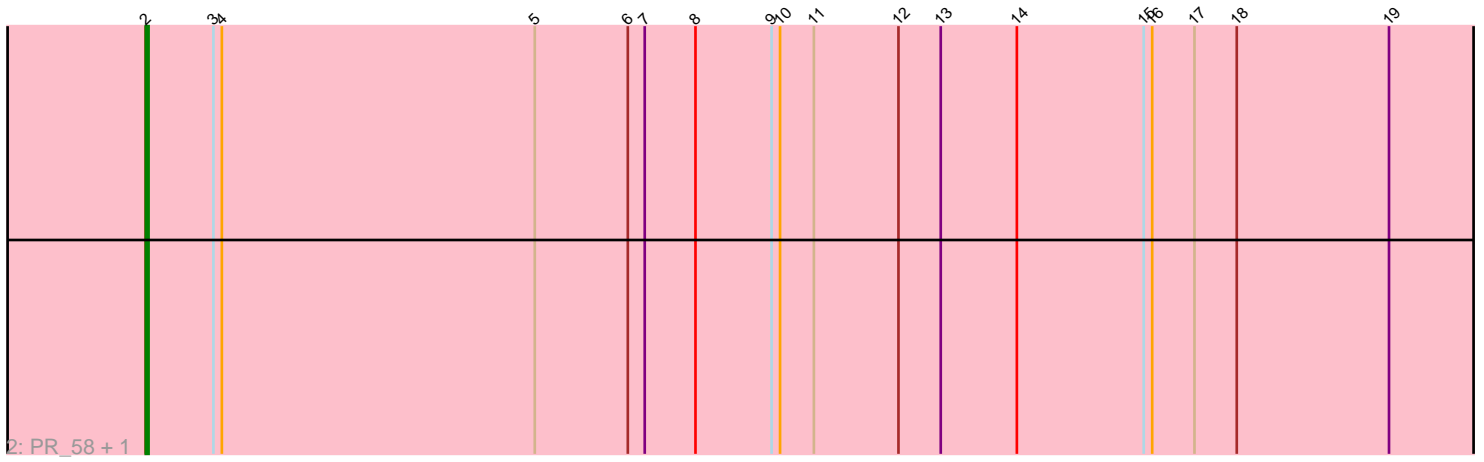
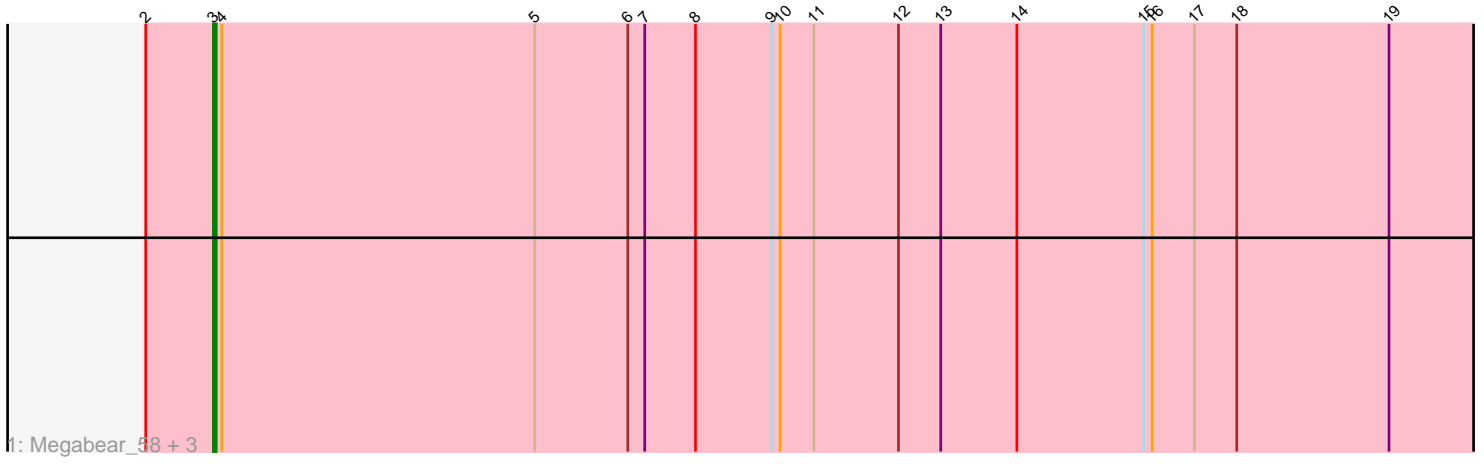


Pham 6197



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 6197 Report

This analysis was run 07/09/24 on database version 566.

Pham number 6197 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Megabear_58, Cepens_58, Taptic_58, Argie_59
- Track 2 : PR_58, D12_57
- Track 3 : Jeon_58, GodPhather_59

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 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argie_59, Cepens_58, GodPhather_59, Jeon_58, Megabear_58, Taptic_58,

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

- D12_57, PR_58,

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

-

Summary by start number:

Start 2:

- Found in 6 of 8 (75.0%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 33.3% of time when present
- Phage (with cluster) where this start called: D12_57 (W), PR_58 (W),

Start 3:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Argie_59 (W), Cepens_58 (W), GodPhather_59 (W), Jeon_58 (W), Megabear_58 (W), Taptic_58 (W),

Summary by clusters:

There is one cluster represented in this pham: W

Info for manual annotations of cluster W:

- Start number 2 was manually annotated 2 times for cluster W.
- Start number 3 was manually annotated 6 times for cluster W.

Gene Information:

Gene: Argie_59 Start: 46819, Stop: 47322, Start Num: 3

Candidate Starts for Argie_59:

(Start: 2 @46795 has 2 MA's), (Start: 3 @46819 has 6 MA's), (4, 46822), (5, 46933), (6, 46966), (7, 46972), (8, 46990), (9, 47017), (10, 47020), (11, 47032), (12, 47062), (13, 47077), (14, 47104), (15, 47149), (16, 47152), (17, 47167), (18, 47182), (19, 47236),

Gene: Cepens_58 Start: 46534, Stop: 47037, Start Num: 3

Candidate Starts for Cepens_58:

(Start: 2 @46510 has 2 MA's), (Start: 3 @46534 has 6 MA's), (4, 46537), (5, 46648), (6, 46681), (7, 46687), (8, 46705), (9, 46732), (10, 46735), (11, 46747), (12, 46777), (13, 46792), (14, 46819), (15, 46864), (16, 46867), (17, 46882), (18, 46897), (19, 46951),

Gene: D12_57 Start: 47058, Stop: 47585, Start Num: 2

Candidate Starts for D12_57:

(Start: 2 @47058 has 2 MA's), (Start: 3 @47082 has 6 MA's), (4, 47085), (5, 47196), (6, 47229), (7, 47235), (8, 47253), (9, 47280), (10, 47283), (11, 47295), (12, 47325), (13, 47340), (14, 47367), (15, 47412), (16, 47415), (17, 47430), (18, 47445), (19, 47499),

Gene: GodPhather_59 Start: 47321, Stop: 47824, Start Num: 3

Candidate Starts for GodPhather_59:

(1, 47279), (Start: 3 @47321 has 6 MA's), (4, 47324), (5, 47435), (6, 47468), (7, 47474), (8, 47492), (9, 47519), (10, 47522), (11, 47534), (12, 47564), (13, 47579), (14, 47606), (15, 47651), (16, 47654), (17, 47669), (18, 47684), (19, 47738),

Gene: Jeon_58 Start: 47063, Stop: 47566, Start Num: 3

Candidate Starts for Jeon_58:

(1, 47021), (Start: 3 @47063 has 6 MA's), (4, 47066), (5, 47177), (6, 47210), (7, 47216), (8, 47234), (9, 47261), (10, 47264), (11, 47276), (12, 47306), (13, 47321), (14, 47348), (15, 47393), (16, 47396), (17, 47411), (18, 47426), (19, 47480),

Gene: Megabear_58 Start: 46455, Stop: 46958, Start Num: 3

Candidate Starts for Megabear_58:

(Start: 2 @46431 has 2 MA's), (Start: 3 @46455 has 6 MA's), (4, 46458), (5, 46569), (6, 46602), (7, 46608), (8, 46626), (9, 46653), (10, 46656), (11, 46668), (12, 46698), (13, 46713), (14, 46740), (15, 46785), (16, 46788), (17, 46803), (18, 46818), (19, 46872),

Gene: PR_58 Start: 47035, Stop: 47562, Start Num: 2

Candidate Starts for PR_58:

(Start: 2 @47035 has 2 MA's), (Start: 3 @47059 has 6 MA's), (4, 47062), (5, 47173), (6, 47206), (7, 47212), (8, 47230), (9, 47257), (10, 47260), (11, 47272), (12, 47302), (13, 47317), (14, 47344), (15, 47389), (16, 47392), (17, 47407), (18, 47422), (19, 47476),

Gene: Taptic_58 Start: 46455, Stop: 46958, Start Num: 3

Candidate Starts for Taptic_58:

(Start: 2 @46431 has 2 MA's), (Start: 3 @46455 has 6 MA's), (4, 46458), (5, 46569), (6, 46602), (7, 46608), (8, 46626), (9, 46653), (10, 46656), (11, 46668), (12, 46698), (13, 46713), (14, 46740), (15, 46785), (16, 46788), (17, 46803), (18, 46818), (19, 46872),