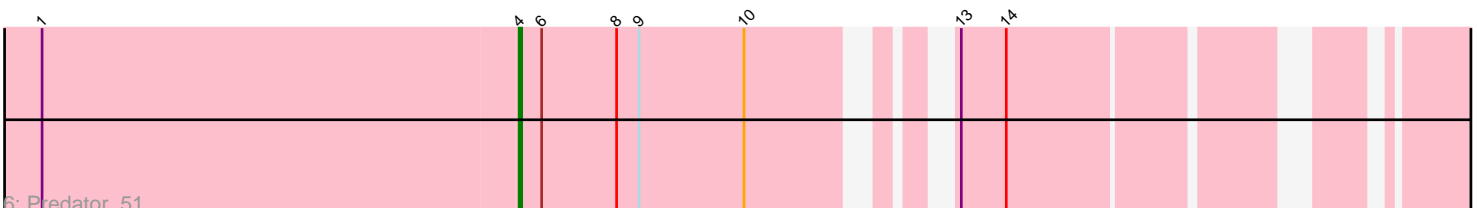
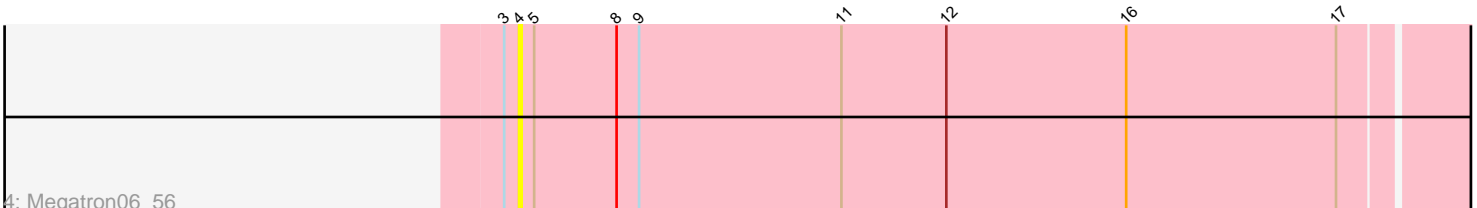


Pham 27980



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 27980 Report

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

Pham number 27980 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Cborch11_54
- Track 2 : Oaker_52, Konstantine_56, Beckerton_52
- Track 3 : Puissant_52
- Track 4 : Megatron06_56
- Track 5 : Thumb_53, Damien_53
- Track 6 : Predator_51
- Track 7 : Phreeze_51

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beckerton_52, Damien_53, Konstantine_56, Megatron06_56, Oaker_52, Phreeze_51, Predator_51, Puissant_52, Thumb_53,

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

- Cborch11_54,

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

-

Summary by start number:

Start 3:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Cborch11_54 (H1),

Start 4:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 8

- Called 90.0% of time when present
- Phage (with cluster) where this start called: Beckerton_52 (H1), Damien_53 (H1), Konstantine_56 (H1), Megatron06_56 (H1), Oaker_52 (H1), Phreeze_51 (H1), Predator_51 (H1), Puissant_52 (H1), Thumb_53 (H1),

Summary by clusters:

There is one cluster represented in this pham: H1

Info for manual annotations of cluster H1:

- Start number 3 was manually annotated 1 time for cluster H1.
- Start number 4 was manually annotated 7 times for cluster H1.

Gene Information:

Gene: Beckerton_52 Start: 42627, Stop: 43061, Start Num: 4

Candidate Starts for Beckerton_52:

(Start: 3 @42621 has 1 MA's), (Start: 4 @42627 has 7 MA's), (5, 42633), (7, 42648), (8, 42666), (9, 42675), (12, 42798), (15, 42837),

Gene: Cborch11_54 Start: 42137, Stop: 42577, Start Num: 3

Candidate Starts for Cborch11_54:

(Start: 3 @42137 has 1 MA's), (Start: 4 @42143 has 7 MA's), (5, 42149), (7, 42164), (8, 42182), (9, 42191), (12, 42314), (16, 42386), (17, 42470),

Gene: Damien_53 Start: 42106, Stop: 42540, Start Num: 4

Candidate Starts for Damien_53:

(Start: 3 @42100 has 1 MA's), (Start: 4 @42106 has 7 MA's), (5, 42112), (8, 42145), (9, 42154), (12, 42277), (15, 42316),

Gene: Konstantine_56 Start: 42937, Stop: 43371, Start Num: 4

Candidate Starts for Konstantine_56:

(Start: 3 @42931 has 1 MA's), (Start: 4 @42937 has 7 MA's), (5, 42943), (7, 42958), (8, 42976), (9, 42985), (12, 43108), (15, 43147),

Gene: Megatron06_56 Start: 42683, Stop: 43117, Start Num: 4

Candidate Starts for Megatron06_56:

(Start: 3 @42677 has 1 MA's), (Start: 4 @42683 has 7 MA's), (5, 42689), (8, 42722), (9, 42731), (11, 42812), (12, 42854), (16, 42926), (17, 43010),

Gene: Oaker_52 Start: 42398, Stop: 42832, Start Num: 4

Candidate Starts for Oaker_52:

(Start: 3 @42392 has 1 MA's), (Start: 4 @42398 has 7 MA's), (5, 42404), (7, 42419), (8, 42437), (9, 42446), (12, 42569), (15, 42608),

Gene: Phreeze_51 Start: 41703, Stop: 42137, Start Num: 4

Candidate Starts for Phreeze_51:

(Start: 3 @41697 has 1 MA's), (Start: 4 @41703 has 7 MA's), (5, 41709), (8, 41742), (9, 41751), (12, 41874), (16, 41946), (17, 42030),

Gene: Predator_51 Start: 40021, Stop: 40395, Start Num: 4

Candidate Starts for Predator_51:

(1, 39832), (Start: 4 @40021 has 7 MA's), (6, 40030), (8, 40060), (9, 40069), (10, 40111), (13, 40168), (14, 40186),

Gene: Puissant_52 Start: 41772, Stop: 42212, Start Num: 4

Candidate Starts for Puissant_52:

(2, 41688), (Start: 4 @41772 has 7 MA's), (5, 41778), (7, 41793), (8, 41811), (9, 41820), (12, 41943), (18, 42120), (19, 42123),

Gene: Thumb_53 Start: 42138, Stop: 42572, Start Num: 4

Candidate Starts for Thumb_53:

(Start: 3 @42132 has 1 MA's), (Start: 4 @42138 has 7 MA's), (5, 42144), (8, 42177), (9, 42186), (12, 42309), (15, 42348),