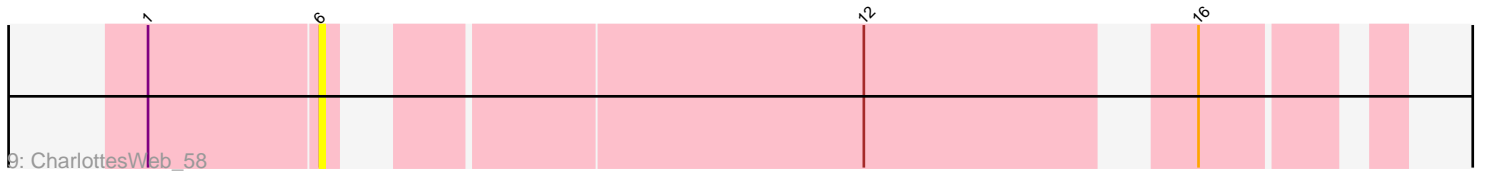
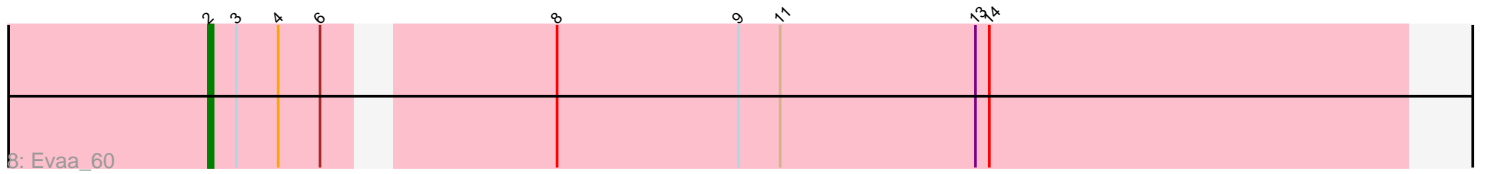
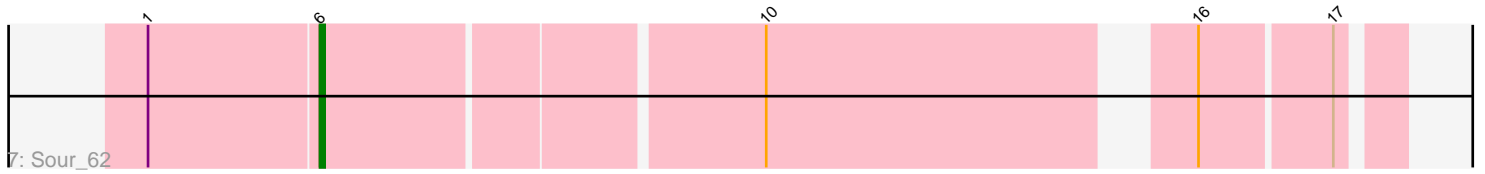
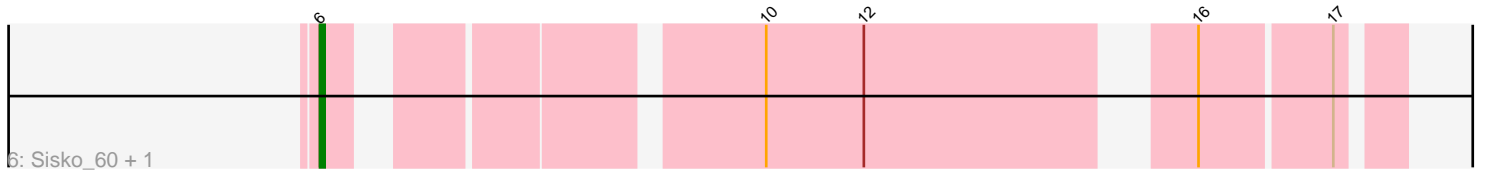
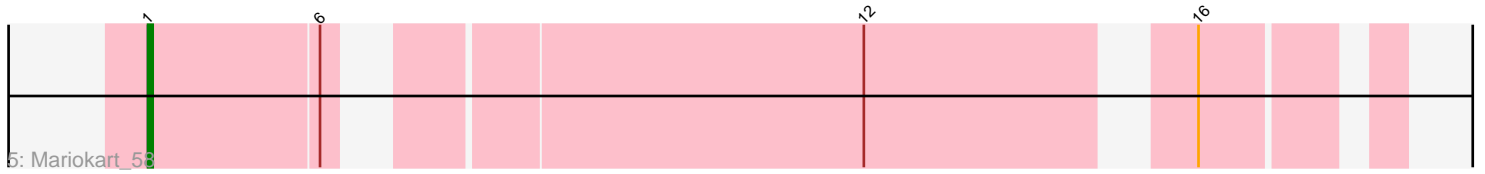
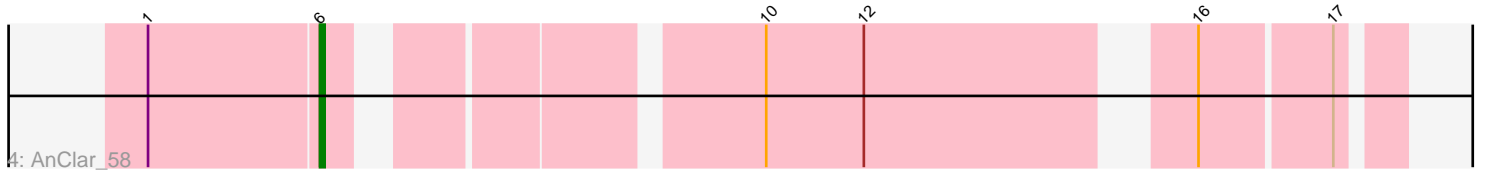
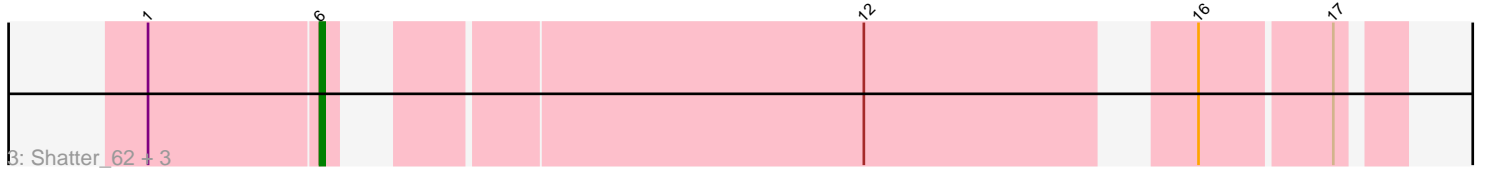
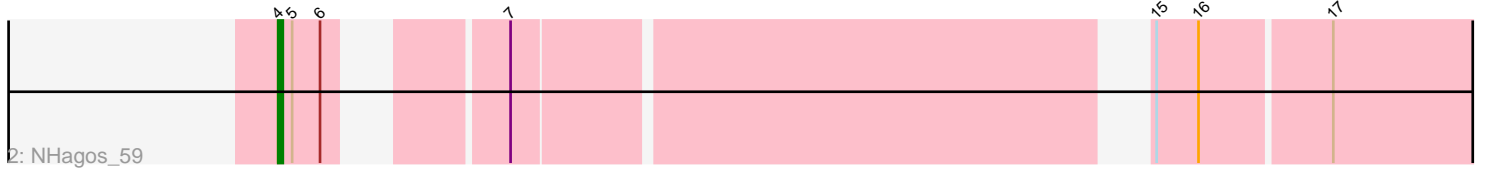
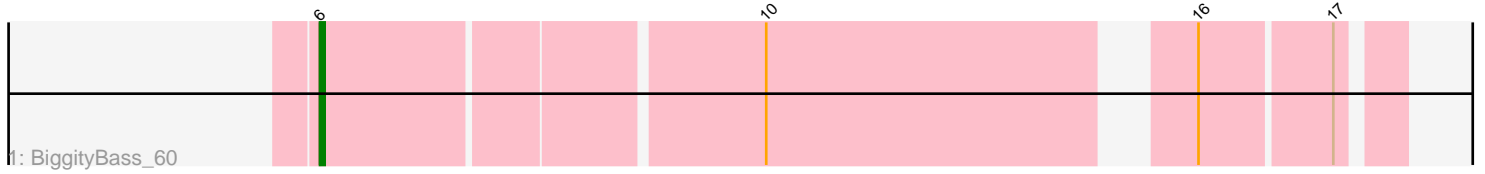


Pham 158290



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 158290 Report

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

Pham number 158290 has 13 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BiggityBass_60
- Track 2 : NHagos_59
- Track 3 : Shatter_62, Axumite_62, Ligma_62, Fresco_62
- Track 4 : AnClar_58
- Track 5 : Mariokart_58
- Track 6 : Sisko_60, Yago84_59
- Track 7 : Sour_62
- Track 8 : Evaa_60
- Track 9 : CharlottesWeb_58

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

The start number called the most often in the published annotations is 6, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnClar_58, Axumite_62, BiggityBass_60, CharlottesWeb_58, Fresco_62, Ligma_62, Shatter_62, Sisko_60, Sour_62, Yago84_59,

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

- Evaa_60, Mariokart_58, NHagos_59,

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

-

Summary by start number:

Start 1:

- Found in 8 of 13 (61.5%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Mariokart_58 (DR),

Start 2:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Evaa_60 (DR),

Start 4:

- Found in 2 of 13 (15.4%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 50.0% of time when present
- Phage (with cluster) where this start called: NHagos_59 (DR),

Start 6:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 10
- Called 76.9% of time when present
- Phage (with cluster) where this start called: AnClar_58 (DR), Axumite_62 (DR), BiggityBass_60 (DR), CharlottesWeb_58 (DR), Fresco_62 (DR), Ligma_62 (DR), Shatter_62 (DR), Sisko_60 (DR), Sour_62 (DR), Yago84_59 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

- Start number 1 was manually annotated 1 time for cluster DR.
- Start number 2 was manually annotated 1 time for cluster DR.
- Start number 4 was manually annotated 1 time for cluster DR.
- Start number 6 was manually annotated 7 times for cluster DR.

Gene Information:

Gene: AnClar_58 Start: 51779, Stop: 51976, Start Num: 6

Candidate Starts for AnClar_58:

(Start: 1 @51743 has 1 MA's), (Start: 6 @51779 has 7 MA's), (10, 51857), (12, 51878), (16, 51938), (17, 51965),

Gene: Axumite_62 Start: 50626, Stop: 50826, Start Num: 6

Candidate Starts for Axumite_62:

(Start: 1 @50590 has 1 MA's), (Start: 6 @50626 has 7 MA's), (12, 50728), (16, 50788), (17, 50815),

Gene: BiggityBass_60 Start: 52323, Stop: 52532, Start Num: 6

Candidate Starts for BiggityBass_60:

(Start: 6 @52323 has 7 MA's), (10, 52413), (16, 52494), (17, 52521),

Gene: CharlottesWeb_58 Start: 49213, Stop: 49410, Start Num: 6

Candidate Starts for CharlottesWeb_58:

(Start: 1 @49177 has 1 MA's), (Start: 6 @49213 has 7 MA's), (12, 49315), (16, 49375),

Gene: Evaa_60 Start: 49769, Stop: 50017, Start Num: 2

Candidate Starts for Evaa_60:

(Start: 2 @49769 has 1 MA's), (3, 49775), (Start: 4 @49784 has 1 MA's), (Start: 6 @49793 has 7 MA's), (8, 49835), (9, 49874), (11, 49883), (13, 49925), (14, 49928),

Gene: Fresco_62 Start: 50626, Stop: 50826, Start Num: 6

Candidate Starts for Fresco_62:

(Start: 1 @50590 has 1 MA's), (Start: 6 @50626 has 7 MA's), (12, 50728), (16, 50788), (17, 50815),

Gene: Ligma_62 Start: 50626, Stop: 50826, Start Num: 6

Candidate Starts for Ligma_62:

(Start: 1 @50590 has 1 MA's), (Start: 6 @50626 has 7 MA's), (12, 50728), (16, 50788), (17, 50815),

Gene: Mariokart_58 Start: 49462, Stop: 49695, Start Num: 1

Candidate Starts for Mariokart_58:

(Start: 1 @49462 has 1 MA's), (Start: 6 @49498 has 7 MA's), (12, 49600), (16, 49660),

Gene: NHagos_59 Start: 49828, Stop: 50055, Start Num: 4

Candidate Starts for NHagos_59:

(Start: 4 @49828 has 1 MA's), (5, 49831), (Start: 6 @49837 has 7 MA's), (7, 49864), (15, 49987), (16, 49996), (17, 50023),

Gene: Shatter_62 Start: 50626, Stop: 50826, Start Num: 6

Candidate Starts for Shatter_62:

(Start: 1 @50590 has 1 MA's), (Start: 6 @50626 has 7 MA's), (12, 50728), (16, 50788), (17, 50815),

Gene: Sisko_60 Start: 50847, Stop: 51044, Start Num: 6

Candidate Starts for Sisko_60:

(Start: 6 @50847 has 7 MA's), (10, 50925), (12, 50946), (16, 51006), (17, 51033),

Gene: Sour_62 Start: 53064, Stop: 53273, Start Num: 6

Candidate Starts for Sour_62:

(Start: 1 @53028 has 1 MA's), (Start: 6 @53064 has 7 MA's), (10, 53154), (16, 53235), (17, 53262),

Gene: Yago84_59 Start: 50332, Stop: 50529, Start Num: 6

Candidate Starts for Yago84_59:

(Start: 6 @50332 has 7 MA's), (10, 50410), (12, 50431), (16, 50491), (17, 50518),