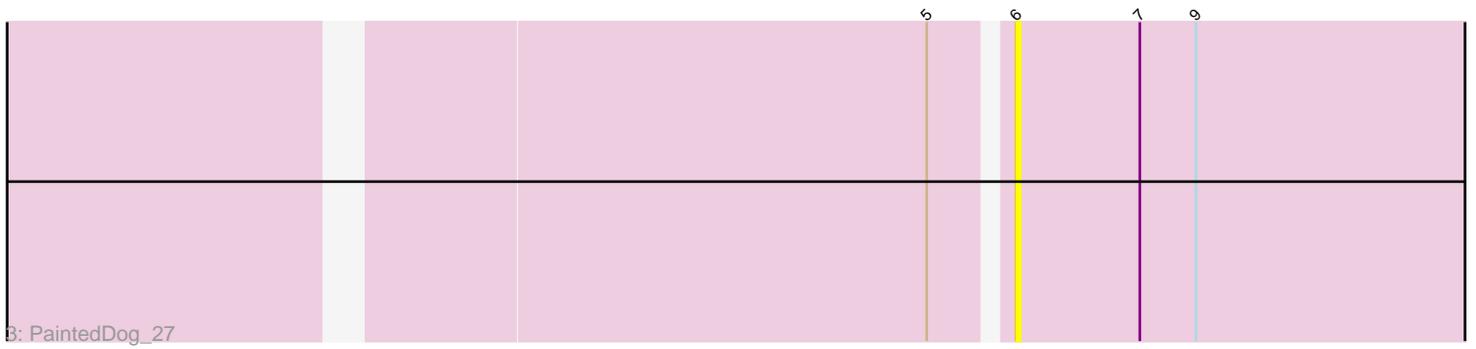
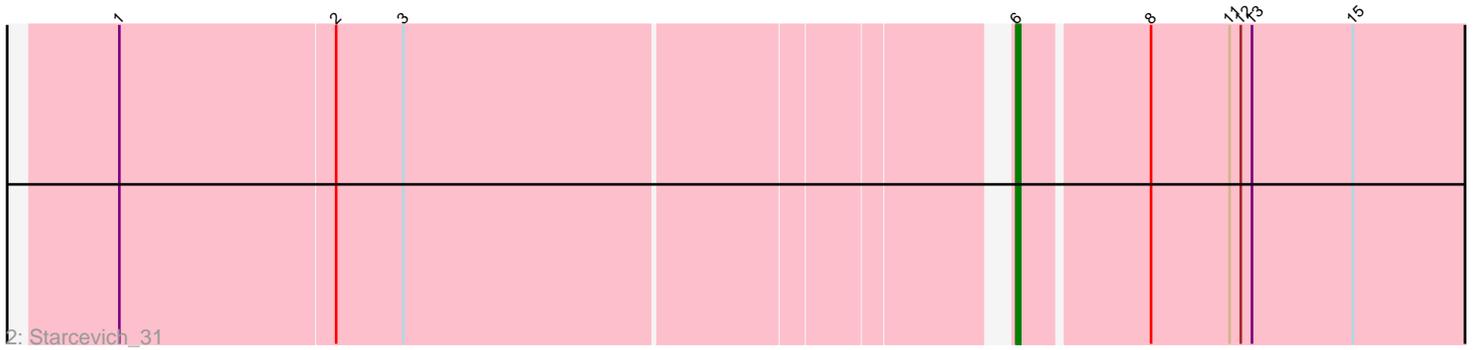
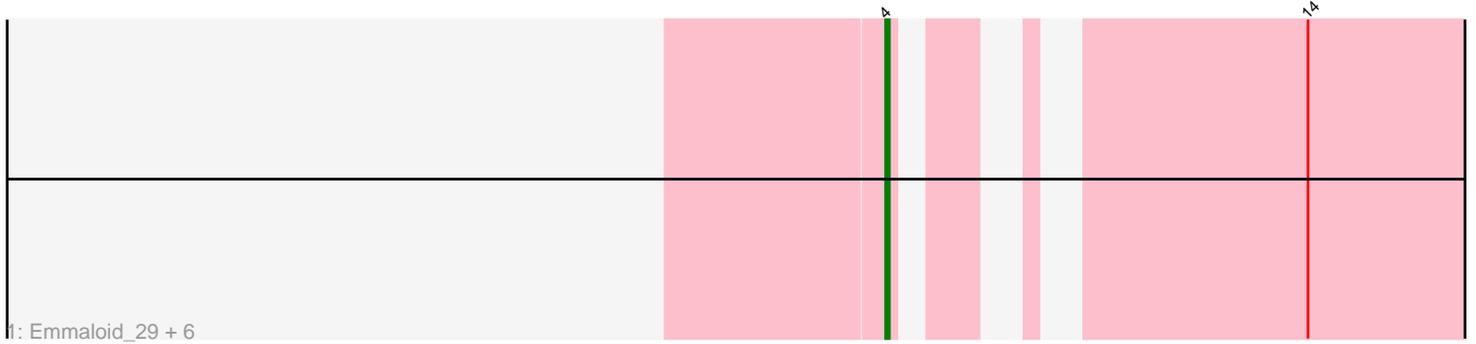


Pham 291654



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 291654 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291654 has 14 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Emmaloid_29, EmiMonkey_28, Peridot_31, Rialto_30, PhilipPhlop_28, LittleShirley_29, Slim_29
- Track 2 : Starcevich_31
- Track 3 : PaintedDog_27
- Track 4 : Shipwreck_27, Bogie_27, Island3_28, Pygmy_27, Brujita_28

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 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bogie_27, Brujita_28, Island3_28, PaintedDog_27, Pygmy_27, Shipwreck_27, Starcevich_31,

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

-

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

- EmiMonkey_28, Emmaloid_29, LittleShirley_29, Peridot_31, PhilipPhlop_28, Rialto_30, Slim_29,

Summary by start number:

Start 4:

- Found in 7 of 14 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiMonkey_28 (F1), Emmaloid_29 (F1), LittleShirley_29 (F1), Peridot_31 (F1), PhilipPhlop_28 (F1), Rialto_30 (F1), Slim_29 (F1),

Start 6:

- Found in 7 of 14 (50.0%) of genes in pham

- Manual Annotations of this start: 6 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bogie_27 (P1), Brujita_28 (I1), Island3_28 (I1), PaintedDog_27 (I1), Pygmy_27 (P1), Shipwreck_27 (P1), Starcevich_31 (F1),

Summary by clusters:

There are 3 clusters represented in this pham: I1, F1, P1,

Info for manual annotations of cluster F1:

- Start number 4 was manually annotated 5 times for cluster F1.
- Start number 6 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster I1:

- Start number 6 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster P1:

- Start number 6 was manually annotated 3 times for cluster P1.

Gene Information:

Gene: Bogie_27 Start: 24738, Stop: 24872, Start Num: 6

Candidate Starts for Bogie_27:

(Start: 6 @24738 has 6 MA's), (7, 24771), (9, 24786), (10, 24789),

Gene: Brujita_28 Start: 25093, Stop: 25227, Start Num: 6

Candidate Starts for Brujita_28:

(Start: 6 @25093 has 6 MA's), (7, 25126), (9, 25141), (10, 25144),

Gene: EmiMonkey_28 Start: 25960, Stop: 26097, Start Num: 4

Candidate Starts for EmiMonkey_28:

(Start: 4 @25960 has 5 MA's), (14, 26041),

Gene: Emmaloid_29 Start: 25807, Stop: 25944, Start Num: 4

Candidate Starts for Emmaloid_29:

(Start: 4 @25807 has 5 MA's), (14, 25888),

Gene: Island3_28 Start: 25093, Stop: 25227, Start Num: 6

Candidate Starts for Island3_28:

(Start: 6 @25093 has 6 MA's), (7, 25126), (9, 25141), (10, 25144),

Gene: LittleShirley_29 Start: 25827, Stop: 25964, Start Num: 4

Candidate Starts for LittleShirley_29:

(Start: 4 @25827 has 5 MA's), (14, 25908),

Gene: PaintedDog_27 Start: 24516, Stop: 24650, Start Num: 6

Candidate Starts for PaintedDog_27:

(5, 24498), (Start: 6 @24516 has 6 MA's), (7, 24549), (9, 24564),

Gene: Peridot_31 Start: 25686, Stop: 25823, Start Num: 4

Candidate Starts for Peridot_31:
(Start: 4 @25686 has 5 MA's), (14, 25767),

Gene: PhlipPhlop_28 Start: 25960, Stop: 26097, Start Num: 4
Candidate Starts for PhlipPhlop_28:
(Start: 4 @25960 has 5 MA's), (14, 26041),

Gene: Pygmy_27 Start: 24738, Stop: 24872, Start Num: 6
Candidate Starts for Pygmy_27:
(Start: 6 @24738 has 6 MA's), (7, 24771), (9, 24786), (10, 24789),

Gene: Rialto_30 Start: 26518, Stop: 26655, Start Num: 4
Candidate Starts for Rialto_30:
(Start: 4 @26518 has 5 MA's), (14, 26599),

Gene: Shipwreck_27 Start: 24716, Stop: 24850, Start Num: 6
Candidate Starts for Shipwreck_27:
(Start: 6 @24716 has 6 MA's), (7, 24749), (9, 24764), (10, 24767),

Gene: Slim_29 Start: 25798, Stop: 25935, Start Num: 4
Candidate Starts for Slim_29:
(Start: 4 @25798 has 5 MA's), (14, 25879),

Gene: Starcevich_31 Start: 26193, Stop: 26324, Start Num: 6
Candidate Starts for Starcevich_31:
(1, 25968), (2, 26025), (3, 26043), (Start: 6 @26193 has 6 MA's), (8, 26226), (11, 26247), (12, 26250),
(13, 26253), (15, 26280),