



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 323852 Report

This analysis was run 09/05/26 on database version 662.

Pham number 323852 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : FirePit_15, Kels_15, Ximeno_15
- Track 2 : StrawberryLem_15, SerialPhiller_15, Arielagos_15, Eyoseyas_15
- Track 3 : Bolt007_28
- Track 4 : Prairie_27
- Track 5 : Klevey_28
- Track 6 : CalWood4100_29, Lilmac1015_29

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arielagos_15, Bolt007_28, CalWood4100_29, Eyoseyas_15, FirePit_15, Kels_15, Klevey_28, Lilmac1015_29, Prairie_27, SerialPhiller_15, StrawberryLem_15, Ximeno_15,

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 4:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arielagos_15 (AN), Bolt007_28 (FH), CalWood4100_29 (FH), Eyoseyas_15 (AN), FirePit_15 (AN), Kels_15 (AN), Klevey_28 (FH), Lilmac1015_29 (FH), Prairie_27 (FH), SerialPhiller_15 (AN), StrawberryLem_15 (AN), Ximeno_15 (AN),

Summary by clusters:

There are 2 clusters represented in this pham: FH, AN,

Info for manual annotations of cluster AN:

- Start number 4 was manually annotated 6 times for cluster AN.

Info for manual annotations of cluster FH:

- Start number 4 was manually annotated 4 times for cluster FH.

Gene Information:

Gene: Arielagos_15 Start: 11463, Stop: 12200, Start Num: 4

Candidate Starts for Arielagos_15:

(Start: 4 @11463 has 10 MA's), (5, 11472), (6, 11511), (9, 11604), (10, 11715), (12, 11721), (13, 11763), (14, 11790), (17, 11850), (18, 11877), (20, 11913), (23, 11970), (24, 11976), (26, 12162), (27, 12183),

Gene: Bolt007_28 Start: 21798, Stop: 22505, Start Num: 4

Candidate Starts for Bolt007_28:

(1, 21195), (2, 21249), (3, 21567), (Start: 4 @21798 has 10 MA's), (11, 22053), (14, 22125), (15, 22131), (16, 22152),

Gene: CalWood4100_29 Start: 21788, Stop: 22498, Start Num: 4

Candidate Starts for CalWood4100_29:

(3, 21557), (Start: 4 @21788 has 10 MA's), (8, 21914), (11, 22043), (14, 22115), (16, 22142), (25, 22409),

Gene: Eyoseyas_15 Start: 11463, Stop: 12200, Start Num: 4

Candidate Starts for Eyoseyas_15:

(Start: 4 @11463 has 10 MA's), (5, 11472), (6, 11511), (9, 11604), (10, 11715), (12, 11721), (13, 11763), (14, 11790), (17, 11850), (18, 11877), (20, 11913), (23, 11970), (24, 11976), (26, 12162), (27, 12183),

Gene: FirePit_15 Start: 11463, Stop: 12215, Start Num: 4

Candidate Starts for FirePit_15:

(Start: 4 @11463 has 10 MA's), (5, 11472), (6, 11511), (9, 11604), (10, 11715), (12, 11721), (13, 11763), (14, 11790), (15, 11796), (17, 11850), (18, 11877), (19, 11892), (20, 11913), (21, 11958), (22, 11964), (23, 11985), (26, 12177),

Gene: Kels_15 Start: 11388, Stop: 12140, Start Num: 4

Candidate Starts for Kels_15:

(Start: 4 @11388 has 10 MA's), (5, 11397), (6, 11436), (9, 11529), (10, 11640), (12, 11646), (13, 11688), (14, 11715), (15, 11721), (17, 11775), (18, 11802), (19, 11817), (20, 11838), (21, 11883), (22, 11889), (23, 11910), (26, 12102),

Gene: Klevey_28 Start: 21798, Stop: 22505, Start Num: 4

Candidate Starts for Klevey_28:

(3, 21567), (Start: 4 @21798 has 10 MA's), (7, 21906), (8, 21924), (14, 22125), (16, 22152), (25, 22416),

Gene: Lilmac1015_29 Start: 21788, Stop: 22498, Start Num: 4

Candidate Starts for Lilmac1015_29:

(3, 21557), (Start: 4 @21788 has 10 MA's), (8, 21914), (11, 22043), (14, 22115), (16, 22142), (25, 22409),

Gene: Prairie_27 Start: 21816, Stop: 22526, Start Num: 4

Candidate Starts for Prairie_27:

(3, 21585), (Start: 4 @21816 has 10 MA's), (7, 21924), (8, 21942), (14, 22143), (16, 22170), (25, 22437),

Gene: SerialPhiller_15 Start: 11463, Stop: 12200, Start Num: 4

Candidate Starts for SerialPhiller_15:

(Start: 4 @11463 has 10 MA's), (5, 11472), (6, 11511), (9, 11604), (10, 11715), (12, 11721), (13, 11763), (14, 11790), (17, 11850), (18, 11877), (20, 11913), (23, 11970), (24, 11976), (26, 12162), (27, 12183),

Gene: StrawberryLem_15 Start: 11388, Stop: 12125, Start Num: 4

Candidate Starts for StrawberryLem_15:

(Start: 4 @11388 has 10 MA's), (5, 11397), (6, 11436), (9, 11529), (10, 11640), (12, 11646), (13, 11688), (14, 11715), (17, 11775), (18, 11802), (20, 11838), (23, 11895), (24, 11901), (26, 12087), (27, 12108),

Gene: Ximeno_15 Start: 11463, Stop: 12215, Start Num: 4

Candidate Starts for Ximeno_15:

(Start: 4 @11463 has 10 MA's), (5, 11472), (6, 11511), (9, 11604), (10, 11715), (12, 11721), (13, 11763), (14, 11790), (15, 11796), (17, 11850), (18, 11877), (19, 11892), (20, 11913), (21, 11958), (22, 11964), (23, 11985), (26, 12177),