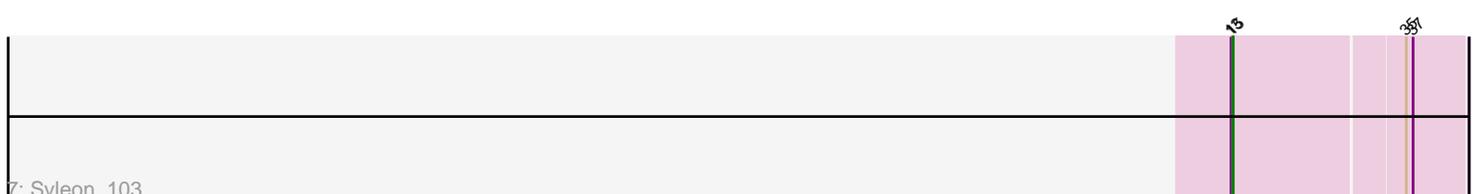
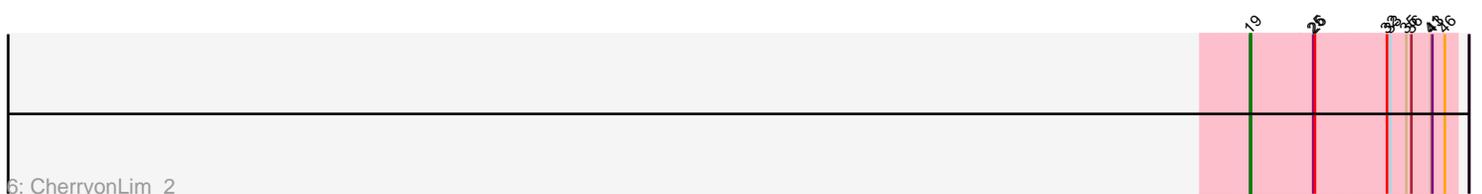
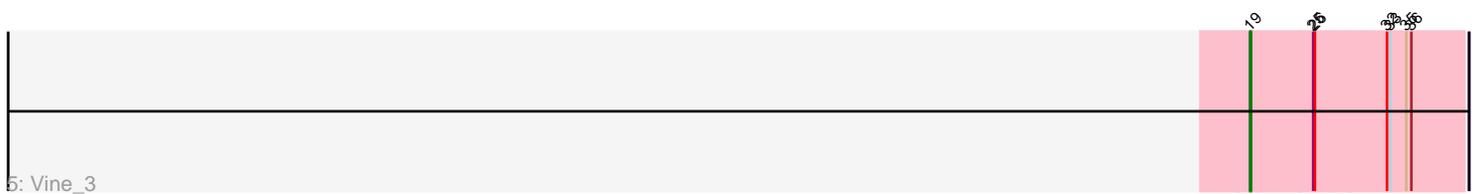


Pham 284480



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 284480 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284480 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Koko_64
- Track 2 : CloudWang3_63
- Track 3 : WRightOn_2
- Track 4 : JPandJE_2
- Track 5 : Vine_3
- Track 6 : CherryonLim_2
- Track 7 : Syleon_103
- Track 8 : Wolfstar_46

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

The start number called the most often in the published annotations is 19, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryonLim_2, Vine_3,

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

- Wolfstar_46,

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

- CloudWang3_63, JPandJE_2, Koko_64, Syleon_103, WRightOn_2,

Summary by start number:

Start 11:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Koko_64 (A6),

Start 14:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 8

- Called 50.0% of time when present
- Phage (with cluster) where this start called: CloudWang3_63 (A6),

Start 15:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Syleon_103 (DU1),

Start 16:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JPandJE_2 (BF),

Start 19:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 66.7% of time when present
- Phage (with cluster) where this start called: CherryonLim_2 (CT), Vine_3 (CT),

Start 21:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: WRightOn_2 (BF),

Start 22:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wolfstar_46 (ED),

Summary by clusters:

There are 5 clusters represented in this pham: ED, BF, CT, DU1, A6,

Info for manual annotations of cluster A6:

- Start number 11 was manually annotated 1 time for cluster A6.
- Start number 14 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster BF:

- Start number 16 was manually annotated 1 time for cluster BF.
- Start number 21 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster CT:

- Start number 19 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster DU1:

- Start number 15 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster ED:

- Start number 22 was manually annotated 1 time for cluster ED.

Gene Information:

Gene: CherryonLim_2 Start: 640, Stop: 990, Start Num: 19

Candidate Starts for CherryonLim_2:

(Start: 19 @640 has 2 MA's), (25, 748), (26, 751), (32, 874), (33, 880), (35, 907), (36, 916), (41, 949), (43, 952), (46, 970),

Gene: CloudWang3_63 Start: 38546, Stop: 38136, Start Num: 14

Candidate Starts for CloudWang3_63:

(Start: 11 @38564 has 1 MA's), (Start: 14 @38546 has 1 MA's), (24, 38423), (30, 38318), (34, 38258), (38, 38228), (44, 38183), (45, 38180), (47, 38159),

Gene: JPandJE_2 Start: 2649, Stop: 3017, Start Num: 16

Candidate Starts for JPandJE_2:

(5, 2298), (Start: 16 @2649 has 1 MA's), (18, 2658), (23, 2760), (27, 2796), (28, 2820), (29, 2832), (32, 2883),

Gene: Koko_64 Start: 38904, Stop: 38476, Start Num: 11

Candidate Starts for Koko_64:

(Start: 11 @38904 has 1 MA's), (Start: 14 @38886 has 1 MA's), (24, 38763), (30, 38658), (34, 38598), (38, 38568), (44, 38523), (45, 38520), (47, 38499),

Gene: Syleon_103 Start: 59026, Stop: 59409, Start Num: 15

Candidate Starts for Syleon_103:

(13, 59023), (Start: 15 @59026 has 1 MA's), (35, 59308), (37, 59320),

Gene: Vine_3 Start: 1265, Stop: 1630, Start Num: 19

Candidate Starts for Vine_3:

(Start: 19 @1265 has 2 MA's), (25, 1373), (26, 1376), (32, 1499), (33, 1505), (35, 1532), (36, 1541),

Gene: WRightOn_2 Start: 2629, Stop: 2976, Start Num: 21

Candidate Starts for WRightOn_2:

(20, 2626), (Start: 21 @2629 has 1 MA's), (23, 2707), (26, 2731), (28, 2776), (29, 2788), (39, 2905), (40, 2914), (48, 2968),

Gene: Wolfstar_46 Start: 22950, Stop: 22588, Start Num: 22

Candidate Starts for Wolfstar_46:

(1, 25128), (2, 24834), (3, 24786), (4, 23553), (6, 23208), (7, 23199), (8, 23154), (9, 23139), (10, 23100), (12, 23016), (17, 22992), (Start: 19 @22968 has 2 MA's), (Start: 22 @22950 has 1 MA's), (31, 22752), (42, 22653),