

Pham 153845



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 153845 Report

This analysis was run 04/05/24 on database version 557.

Pham number 153845 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Indlovu_24
- Track 2 : 40BC_022
- Track 3 : 39HC_022
- Track 4 : Saguaro_27
- Track 5 : Thonko_25
- Track 6 : CRB2_29
- Track 7 : PenguinLover67_28

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

The start number called the most often in the published annotations is 5, it was called in 2 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 40BC_022, CRB2_29, Saguaro_27,

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

- 39HC_022,

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

- Indlovu_24, PenguinLover67_28, Thonko_25,

Summary by start number:

Start 3:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: 39HC_022 (B6),

Start 5:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 75.0% of time when present

- Phage (with cluster) where this start called: 40BC_022 (B6), CRB2_29 (B9), Saguaro_27 (B7),

Start 6:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Thonko_25 (B8),

Start 10:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PenguinLover67_28 (B9),

Start 11:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Indlovu_24 (B11),

Summary by clusters:

There are 5 clusters represented in this pham: B6, B7, B8, B9, B11,

Info for manual annotations of cluster B11:

- Start number 11 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B7:

- Start number 5 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B8:

- Start number 6 was manually annotated 1 time for cluster B8.

Info for manual annotations of cluster B9:

- Start number 5 was manually annotated 1 time for cluster B9.
- Start number 10 was manually annotated 1 time for cluster B9.

Gene Information:

Gene: 39HC_022 Start: 18307, Stop: 19038, Start Num: 3

Candidate Starts for 39HC_022:

(3, 18307), (4, 18340), (Start: 5 @18370 has 2 MA's), (8, 18397), (14, 18490), (15, 18496), (17, 18514), (18, 18589), (23, 18709), (29, 18865), (32, 18928), (35, 18943), (37, 18979), (39, 19003),

Gene: 40BC_022 Start: 18370, Stop: 19038, Start Num: 5

Candidate Starts for 40BC_022:

(3, 18307), (4, 18340), (Start: 5 @18370 has 2 MA's), (8, 18397), (14, 18490), (15, 18496), (17, 18514), (18, 18589), (23, 18709), (29, 18865), (32, 18928), (35, 18943), (37, 18979), (39, 19003),

Gene: CRB2_29 Start: 21997, Stop: 22677, Start Num: 5

Candidate Starts for CRB2_29:

(Start: 5 @21997 has 2 MA's), (13, 22096), (16, 22132), (20, 22300), (32, 22549), (35, 22564), (36, 22591), (37, 22600), (39, 22624), (40, 22627),

Gene: Indlovu_24 Start: 19514, Stop: 20113, Start Num: 11

Candidate Starts for Indlovu_24:

(Start: 6 @19475 has 1 MA's), (Start: 11 @19514 has 1 MA's), (19, 19715), (21, 19730), (26, 19787), (32, 19982), (35, 19997), (36, 20024), (40, 20060),

Gene: PenguinLover67_28 Start: 21391, Stop: 22002, Start Num: 10

Candidate Starts for PenguinLover67_28:

(1, 21145), (2, 21208), (7, 21358), (9, 21370), (Start: 10 @21391 has 1 MA's), (19, 21610), (21, 21625), (25, 21682), (26, 21688), (32, 21883), (35, 21898), (36, 21925), (37, 21934), (40, 21961),

Gene: Saguaro_27 Start: 21191, Stop: 21841, Start Num: 5

Candidate Starts for Saguaro_27:

(Start: 5 @21191 has 2 MA's), (27, 21521), (29, 21647), (32, 21710), (35, 21725), (40, 21788),

Gene: Thonko_25 Start: 17603, Stop: 18328, Start Num: 6

Candidate Starts for Thonko_25:

(1, 17396), (Start: 6 @17603 has 1 MA's), (12, 17663), (22, 17936), (24, 17969), (28, 18044), (30, 18134), (31, 18140), (32, 18176), (33, 18179), (34, 18188), (35, 18191), (38, 18236),