

Pham 5726



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 5726 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5726 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : UNTPL_81, Bogota_81
- Track 2 : JackieB_82, Araceli_81, Henoccus_82
- Track 3 : Intolerant_78
- Track 4 : Stuff_80
- Track 5 : Marky_84
- Track 6 : Microdon_79
- Track 7 : LazerLemon_81
- Track 8 : Crosby_82

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_81, Henoccus_82, JackieB_82, LazerLemon_81, Stuff_80,

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

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

- Bogota_81, Crosby_82, Intolerant_78, Marky_84, Microdon_79, UNTPL_81,

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Crosby_82 (BH),

Start 2:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 11

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Intolerant_78 (BH),

Start 3:

- Found in 5 of 11 (45.5%) 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: Araceli_81 (BH), Henoccus_82 (BH), JackieB_82 (BH), LazerLemon_81 (BH), Stuff_80 (BH),

Start 5:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Bogota_81 (BH), Marky_84 (BH), Microdon_79 (BH), UNTPL_81 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 1 was manually annotated 1 time for cluster BH.
- Start number 2 was manually annotated 1 time for cluster BH.
- Start number 3 was manually annotated 5 times for cluster BH.
- Start number 5 was manually annotated 4 times for cluster BH.

Gene Information:

Gene: Araceli_81 Start: 54603, Stop: 54971, Start Num: 3

Candidate Starts for Araceli_81:

(Start: 3 @54603 has 5 MA's), (Start: 5 @54615 has 4 MA's), (6, 54645), (8, 54672), (13, 54747), (15, 54786), (16, 54822),

Gene: Bogota_81 Start: 53737, Stop: 54084, Start Num: 5

Candidate Starts for Bogota_81:

(Start: 5 @53737 has 4 MA's), (6, 53767), (7, 53785), (14, 53890), (17, 53989), (20, 54046),

Gene: Crosby_82 Start: 53576, Stop: 53935, Start Num: 1

Candidate Starts for Crosby_82:

(Start: 1 @53576 has 1 MA's), (Start: 2 @53585 has 1 MA's), (4, 53591), (6, 53621), (7, 53639), (11, 53699), (19, 53891), (20, 53897), (21, 53915),

Gene: Henoccus_82 Start: 54695, Stop: 55063, Start Num: 3

Candidate Starts for Henoccus_82:

(Start: 3 @54695 has 5 MA's), (Start: 5 @54707 has 4 MA's), (6, 54737), (8, 54764), (13, 54839), (15, 54878), (16, 54914),

Gene: Intolerant_78 Start: 53450, Stop: 53809, Start Num: 2

Candidate Starts for Intolerant_78:

(Start: 1 @53441 has 1 MA's), (Start: 2 @53450 has 1 MA's), (Start: 5 @53462 has 4 MA's), (6, 53492), (7, 53510), (14, 53615), (17, 53714), (20, 53771),

Gene: JackieB_82 Start: 54470, Stop: 54838, Start Num: 3

Candidate Starts for JackieB_82:

(Start: 3 @54470 has 5 MA's), (Start: 5 @54482 has 4 MA's), (6, 54512), (8, 54539), (13, 54614), (15, 54653), (16, 54689),

Gene: LazerLemon_81 Start: 54370, Stop: 54702, Start Num: 3

Candidate Starts for LazerLemon_81:

(Start: 3 @54370 has 5 MA's), (Start: 5 @54382 has 4 MA's), (6, 54412), (10, 54472), (16, 54553), (19, 54646), (20, 54652),

Gene: Marky_84 Start: 54316, Stop: 54636, Start Num: 5

Candidate Starts for Marky_84:

(Start: 5 @54316 has 4 MA's), (15, 54451), (18, 54535), (22, 54616),

Gene: Microdon_79 Start: 52930, Stop: 53250, Start Num: 5

Candidate Starts for Microdon_79:

(Start: 5 @52930 has 4 MA's), (12, 53026), (19, 53194), (22, 53230),

Gene: Stuff_80 Start: 53623, Stop: 53982, Start Num: 3

Candidate Starts for Stuff_80:

(Start: 3 @53623 has 5 MA's), (Start: 5 @53635 has 4 MA's), (6, 53665), (7, 53683), (9, 53728), (14, 53788), (16, 53842), (19, 53938),

Gene: UNTPL_81 Start: 54048, Stop: 54395, Start Num: 5

Candidate Starts for UNTPL_81:

(Start: 5 @54048 has 4 MA's), (6, 54078), (7, 54096), (14, 54201), (17, 54300), (20, 54357),