



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 5925 Report

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

Pham number 5925 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Shifa_15, HyRo_16
- Track 2 : Courthouse_169, Ariel_172, ThreeRngTarjay_168, MiaZeal_175, Superphikiman_170
- Track 3 : Lucky2013_168, Porcelain_172

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_172, Courthouse_169, HyRo_16, Lucky2013_168, MiaZeal_175, Porcelain_172, Shifa_15, Superphikiman_170, ThreeRngTarjay_168,

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 3:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_172 (J), Courthouse_169 (J), HyRo_16 (C1), Lucky2013_168 (J), MiaZeal_175 (J), Porcelain_172 (J), Shifa_15 (C1), Superphikiman_170 (J), ThreeRngTarjay_168 (J),

Summary by clusters:

There are 2 clusters represented in this pham: C1, J,

Info for manual annotations of cluster C1:

- Start number 3 was manually annotated 2 times for cluster C1.

Info for manual annotations of cluster J:

- Start number 3 was manually annotated 7 times for cluster J.

Gene Information:

Gene: Ariel_172 Start: 87642, Stop: 87917, Start Num: 3

Candidate Starts for Ariel_172:

(1, 87474), (Start: 3 @87642 has 9 MA's), (4, 87687), (5, 87690), (6, 87738), (7, 87801), (8, 87888), (9, 87891), (10, 87894),

Gene: Courthouse_169 Start: 88086, Stop: 88361, Start Num: 3

Candidate Starts for Courthouse_169:

(1, 87918), (Start: 3 @88086 has 9 MA's), (4, 88131), (5, 88134), (6, 88182), (7, 88245), (8, 88332), (9, 88335), (10, 88338),

Gene: HyRo_16 Start: 6329, Stop: 6604, Start Num: 3

Candidate Starts for HyRo_16:

(2, 6221), (Start: 3 @6329 has 9 MA's), (4, 6374), (5, 6377), (6, 6425), (7, 6488), (8, 6575), (9, 6578), (10, 6581),

Gene: Lucky2013_168 Start: 87157, Stop: 87432, Start Num: 3

Candidate Starts for Lucky2013_168:

(Start: 3 @87157 has 9 MA's), (4, 87202), (5, 87205), (6, 87253), (7, 87316), (8, 87403), (9, 87406), (10, 87409),

Gene: MiaZeal_175 Start: 88304, Stop: 88579, Start Num: 3

Candidate Starts for MiaZeal_175:

(1, 88136), (Start: 3 @88304 has 9 MA's), (4, 88349), (5, 88352), (6, 88400), (7, 88463), (8, 88550), (9, 88553), (10, 88556),

Gene: Porcelain_172 Start: 88103, Stop: 88378, Start Num: 3

Candidate Starts for Porcelain_172:

(Start: 3 @88103 has 9 MA's), (4, 88148), (5, 88151), (6, 88199), (7, 88262), (8, 88349), (9, 88352), (10, 88355),

Gene: Shifa_15 Start: 5760, Stop: 6035, Start Num: 3

Candidate Starts for Shifa_15:

(2, 5652), (Start: 3 @5760 has 9 MA's), (4, 5805), (5, 5808), (6, 5856), (7, 5919), (8, 6006), (9, 6009), (10, 6012),

Gene: Superphikiman_170 Start: 87782, Stop: 88057, Start Num: 3

Candidate Starts for Superphikiman_170:

(1, 87614), (Start: 3 @87782 has 9 MA's), (4, 87827), (5, 87830), (6, 87878), (7, 87941), (8, 88028), (9, 88031), (10, 88034),

Gene: ThreeRngTarjay_168 Start: 91405, Stop: 91680, Start Num: 3

Candidate Starts for ThreeRngTarjay_168:

(1, 91237), (Start: 3 @91405 has 9 MA's), (4, 91450), (5, 91453), (6, 91501), (7, 91564), (8, 91651), (9, 91654), (10, 91657),