



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 5990 Report

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

Pham number 5990 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : RayTheFireFly_57, Hedwig_53
- Track 2 : DirtyBoi_52
- Track 3 : Coriander_49, Doggs_47
- Track 4 : DonkeyMan_43, Tarzan_44
- Track 5 : Santhid_43, Reyja_44
- Track 6 : Heinz_45, Hibiscus_45
- Track 7 : Jojo24_43

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

Genes that call this "Most Annotated" start:

- DonkeyMan_43, Heinz_45, Hibiscus_45, Jojo24_43, Reyja_44, Santhid_43, Tarzan_44,

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:

- Coriander_49, DirtyBoi_52, Doggs_47, Hedwig_53, RayTheFireFly_57,

Summary by start number:

Start 3:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coriander_49 (DB), DirtyBoi_52 (DB), Doggs_47 (DB), Hedwig_53 (DB), RayTheFireFly_57 (DB),

Start 4:

- Found in 7 of 12 (58.3%) of genes in pham

- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DonkeyMan_43 (DY), Heinz_45 (DY), Hibiscus_45 (DY), Jojo24_43 (DY), Reyja_44 (DY), Santhid_43 (DY), Tarzan_44 (DY),

Summary by clusters:

There are 2 clusters represented in this pham: DB, DY,

Info for manual annotations of cluster DB:

- Start number 3 was manually annotated 4 times for cluster DB.

Info for manual annotations of cluster DY:

- Start number 4 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: Coriander_49 Start: 34807, Stop: 35007, Start Num: 3

Candidate Starts for Coriander_49:

(Start: 3 @34807 has 4 MA's),

Gene: DirtyBoi_52 Start: 34985, Stop: 35179, Start Num: 3

Candidate Starts for DirtyBoi_52:

(1, 34895), (Start: 3 @34985 has 4 MA's),

Gene: Doggs_47 Start: 35675, Stop: 35869, Start Num: 3

Candidate Starts for Doggs_47:

(Start: 3 @35675 has 4 MA's),

Gene: DonkeyMan_43 Start: 31159, Stop: 31341, Start Num: 4

Candidate Starts for DonkeyMan_43:

(Start: 4 @31159 has 5 MA's),

Gene: Hedwig_53 Start: 35415, Stop: 35609, Start Num: 3

Candidate Starts for Hedwig_53:

(1, 35316), (Start: 3 @35415 has 4 MA's),

Gene: Heinz_45 Start: 29193, Stop: 29366, Start Num: 4

Candidate Starts for Heinz_45:

(2, 29145), (Start: 4 @29193 has 5 MA's), (5, 29202), (6, 29331),

Gene: Hibiscus_45 Start: 29142, Stop: 29315, Start Num: 4

Candidate Starts for Hibiscus_45:

(2, 29094), (Start: 4 @29142 has 5 MA's), (5, 29151), (6, 29280),

Gene: Jojo24_43 Start: 29815, Stop: 29994, Start Num: 4

Candidate Starts for Jojo24_43:

(Start: 4 @29815 has 5 MA's),

Gene: RayTheFireFly_57 Start: 36594, Stop: 36788, Start Num: 3

Candidate Starts for RayTheFireFly_57:
(1, 36495), (Start: 3 @36594 has 4 MA's),

Gene: Reyja_44 Start: 30246, Stop: 30431, Start Num: 4
Candidate Starts for Reyja_44:
(Start: 4 @30246 has 5 MA's), (7, 30402),

Gene: Santhid_43 Start: 28534, Stop: 28719, Start Num: 4
Candidate Starts for Santhid_43:
(Start: 4 @28534 has 5 MA's), (7, 28690),

Gene: Tarzan_44 Start: 29641, Stop: 29823, Start Num: 4
Candidate Starts for Tarzan_44:
(Start: 4 @29641 has 5 MA's),