



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 171820 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171820 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Chocolat_35, Tophat_35, Chipper1996_350, Mordred_35, HumptyDumpty_35, JayCookie_35, MoyaNatalis_35, RosiePosie_35, EdgarPoe_35, Chubster_35, Kabreeze_35, JaNo_35, Scavito_35, Linus_35, Conboy_35, PrincessTrina_35
- Track 2 : DrYang_36
- Track 3 : Colucci_35

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 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chipper1996_350, Chocolat_35, Chubster_35, Colucci_35, Conboy_35, EdgarPoe_35, HumptyDumpty_35, JaNo_35, JayCookie_35, Kabreeze_35, Linus_35, Mordred_35, MoyaNatalis_35, PrincessTrina_35, RosiePosie_35, Scavito_35, Tophat_35,

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:

- DrYang_36,

Summary by start number:

Start 3:

- Found in 17 of 18 (94.4%) of genes in pham
- Manual Annotations of this start: 15 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chipper1996_350 (AR), Chocolat_35 (AR), Chubster_35 (AR), Colucci_35 (AR), Conboy_35 (AR), EdgarPoe_35 (AR), HumptyDumpty_35 (AR), JaNo_35 (AR), JayCookie_35 (AR), Kabreeze_35 (AR), Linus_35 (AR), Mordred_35 (AR), MoyaNatalis_35 (AR), PrincessTrina_35 (AR),

RosiePosie_35 (AR), Scavito_35 (AR), Tophat_35 (AR),

Start 4:

- Found in 1 of 18 (5.6%) of genes in pham
- Manual Annotations of this start: 1 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DrYang_36 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:

- Start number 3 was manually annotated 15 times for cluster AR.
- Start number 4 was manually annotated 1 time for cluster AR.

Gene Information:

Gene: Chipper1996_350 Start: 29519, Stop: 29208, Start Num: 3

Candidate Starts for Chipper1996_350:

(Start: 3 @29519 has 15 MA's), (5, 29510), (6, 29453), (7, 29426), (8, 29357), (9, 29354), (10, 29342), (14, 29219),

Gene: Chocolat_35 Start: 29519, Stop: 29208, Start Num: 3

Candidate Starts for Chocolat_35:

(Start: 3 @29519 has 15 MA's), (5, 29510), (6, 29453), (7, 29426), (8, 29357), (9, 29354), (10, 29342), (14, 29219),

Gene: Chubster_35 Start: 29291, Stop: 28980, Start Num: 3

Candidate Starts for Chubster_35:

(Start: 3 @29291 has 15 MA's), (5, 29282), (6, 29225), (7, 29198), (8, 29129), (9, 29126), (10, 29114), (14, 28991),

Gene: Colucci_35 Start: 29165, Stop: 28857, Start Num: 3

Candidate Starts for Colucci_35:

(1, 29309), (2, 29297), (Start: 3 @29165 has 15 MA's), (6, 29102), (8, 29006), (9, 29003), (10, 28991), (13, 28898), (14, 28868),

Gene: Conboy_35 Start: 29518, Stop: 29207, Start Num: 3

Candidate Starts for Conboy_35:

(Start: 3 @29518 has 15 MA's), (5, 29509), (6, 29452), (7, 29425), (8, 29356), (9, 29353), (10, 29341), (14, 29218),

Gene: DrYang_36 Start: 30909, Stop: 30613, Start Num: 4

Candidate Starts for DrYang_36:

(Start: 4 @30909 has 1 MA's), (6, 30861), (7, 30834), (11, 30720), (12, 30693), (14, 30627),

Gene: EdgarPoe_35 Start: 29518, Stop: 29207, Start Num: 3

Candidate Starts for EdgarPoe_35:

(Start: 3 @29518 has 15 MA's), (5, 29509), (6, 29452), (7, 29425), (8, 29356), (9, 29353), (10, 29341), (14, 29218),

Gene: HumptyDumpty_35 Start: 29517, Stop: 29206, Start Num: 3

Candidate Starts for HumptyDumpty_35:

(Start: 3 @29517 has 15 MA's), (5, 29508), (6, 29451), (7, 29424), (8, 29355), (9, 29352), (10, 29340), (14, 29217),

Gene: JaNo_35 Start: 29517, Stop: 29206, Start Num: 3

Candidate Starts for JaNo_35:

(Start: 3 @29517 has 15 MA's), (5, 29508), (6, 29451), (7, 29424), (8, 29355), (9, 29352), (10, 29340), (14, 29217),

Gene: JayCookie_35 Start: 29521, Stop: 29210, Start Num: 3

Candidate Starts for JayCookie_35:

(Start: 3 @29521 has 15 MA's), (5, 29512), (6, 29455), (7, 29428), (8, 29359), (9, 29356), (10, 29344), (14, 29221),

Gene: Kabreeze_35 Start: 29517, Stop: 29206, Start Num: 3

Candidate Starts for Kabreeze_35:

(Start: 3 @29517 has 15 MA's), (5, 29508), (6, 29451), (7, 29424), (8, 29355), (9, 29352), (10, 29340), (14, 29217),

Gene: Linus_35 Start: 29518, Stop: 29207, Start Num: 3

Candidate Starts for Linus_35:

(Start: 3 @29518 has 15 MA's), (5, 29509), (6, 29452), (7, 29425), (8, 29356), (9, 29353), (10, 29341), (14, 29218),

Gene: Mordred_35 Start: 29517, Stop: 29206, Start Num: 3

Candidate Starts for Mordred_35:

(Start: 3 @29517 has 15 MA's), (5, 29508), (6, 29451), (7, 29424), (8, 29355), (9, 29352), (10, 29340), (14, 29217),

Gene: MoyaNatalis_35 Start: 29521, Stop: 29210, Start Num: 3

Candidate Starts for MoyaNatalis_35:

(Start: 3 @29521 has 15 MA's), (5, 29512), (6, 29455), (7, 29428), (8, 29359), (9, 29356), (10, 29344), (14, 29221),

Gene: PrincessTrina_35 Start: 29521, Stop: 29210, Start Num: 3

Candidate Starts for PrincessTrina_35:

(Start: 3 @29521 has 15 MA's), (5, 29512), (6, 29455), (7, 29428), (8, 29359), (9, 29356), (10, 29344), (14, 29221),

Gene: RosiePosie_35 Start: 29520, Stop: 29209, Start Num: 3

Candidate Starts for RosiePosie_35:

(Start: 3 @29520 has 15 MA's), (5, 29511), (6, 29454), (7, 29427), (8, 29358), (9, 29355), (10, 29343), (14, 29220),

Gene: Scavito_35 Start: 29518, Stop: 29207, Start Num: 3

Candidate Starts for Scavito_35:

(Start: 3 @29518 has 15 MA's), (5, 29509), (6, 29452), (7, 29425), (8, 29356), (9, 29353), (10, 29341), (14, 29218),

Gene: Tophat_35 Start: 29519, Stop: 29208, Start Num: 3

Candidate Starts for Tophat_35:

(Start: 3 @29519 has 15 MA's), (5, 29510), (6, 29453), (7, 29426), (8, 29357), (9, 29354), (10, 29342), (14, 29219),