



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 135941 Report

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

Pham number 135941 has 16 members, 9 are drafts.

Phages represented in each track:

- Track 1 : YoungHarleezy_69
- Track 2 : Faja_71
- Track 3 : Hestia_62
- Track 4 : BenchScraper_68, Richie_73, Raphaella_69
- Track 5 : Seahorse_75
- Track 6 : AbbyDaisy_71
- Track 7 : Globfish_70
- Track 8 : Sashimi_70
- Track 9 : Phrank15_74
- Track 10 : Raqqa_66
- Track 11 : BillyTP_71
- Track 12 : MargaretKali_50, Kumotta_54
- Track 13 : Khuang_49

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

The start number called the most often in the published annotations is 11, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_71, BenchScraper_68, BillyTP_71, Faja_71, Globfish_70, Hestia_62, Phrank15_74, Raphaella_69, Raqqa_66, Richie_73, Sashimi_70, Seahorse_75, YoungHarleezy_69,

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:

- Khuang_49, Kumotta_54, MargaretKali_50,

Summary by start number:

Start 9:

- Found in 1 of 16 (6.2%) of genes in pham

- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Khuang_49 (UNK),

Start 10:

- Found in 2 of 16 (12.5%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumotta_54 (FB), MargaretKali_50 (FB),

Start 11:

- Found in 13 of 16 (81.2%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_71 (AY), BenchScraper_68 (AY), BillyTP_71 (AY), Faja_71 (AY), Globfish_70 (AY), Hestia_62 (AY), Phrank15_74 (AY), Raphaella_69 (AY), Raqqa_66 (AY), Richie_73 (AY), Sashimi_70 (AY), Seahorse_75 (AY), YoungHarleezy_69 (AY),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FB, UNK,

Info for manual annotations of cluster AY:

- Start number 11 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster FB:

- Start number 10 was manually annotated 2 times for cluster FB.

Gene Information:

Gene: AbbyDaisy_71 Start: 38196, Stop: 38375, Start Num: 11

Candidate Starts for AbbyDaisy_71:

(Start: 11 @38196 has 5 MA's), (16, 38283),

Gene: BenchScraper_68 Start: 36878, Stop: 37075, Start Num: 11

Candidate Starts for BenchScraper_68:

(5, 36758), (6, 36785), (Start: 11 @36878 has 5 MA's), (16, 36962), (18, 36983),

Gene: BillyTP_71 Start: 38733, Stop: 38930, Start Num: 11

Candidate Starts for BillyTP_71:

(5, 38613), (6, 38640), (Start: 11 @38733 has 5 MA's), (16, 38817), (18, 38838), (20, 38871),

Gene: Faja_71 Start: 38483, Stop: 38680, Start Num: 11

Candidate Starts for Faja_71:

(1, 38258), (5, 38363), (6, 38390), (Start: 11 @38483 has 5 MA's), (16, 38567), (18, 38588),

Gene: Globfish_70 Start: 37587, Stop: 37763, Start Num: 11

Candidate Starts for Globfish_70:

(5, 37467), (6, 37494), (Start: 11 @37587 has 5 MA's), (16, 37671), (17, 37686),

Gene: Hestia_62 Start: 34706, Stop: 34903, Start Num: 11

Candidate Starts for Hestia_62:

(2, 34511), (5, 34586), (6, 34613), (Start: 11 @34706 has 5 MA's), (16, 34790), (18, 34811),

Gene: Khuang_49 Start: 29765, Stop: 29962, Start Num: 9

Candidate Starts for Khuang_49:

(9, 29765), (12, 29792), (14, 29843), (21, 29930),

Gene: Kumotta_54 Start: 31812, Stop: 31997, Start Num: 10

Candidate Starts for Kumotta_54:

(2, 31620), (3, 31632), (7, 31725), (Start: 10 @31812 has 2 MA's), (16, 31908),

Gene: MargaretKali_50 Start: 30430, Stop: 30615, Start Num: 10

Candidate Starts for MargaretKali_50:

(2, 30238), (3, 30250), (7, 30343), (Start: 10 @30430 has 2 MA's), (16, 30526),

Gene: Phrank15_74 Start: 37855, Stop: 38034, Start Num: 11

Candidate Starts for Phrank15_74:

(Start: 11 @37855 has 5 MA's), (16, 37942),

Gene: Raphaella_69 Start: 36976, Stop: 37152, Start Num: 11

Candidate Starts for Raphaella_69:

(5, 36856), (6, 36883), (Start: 11 @36976 has 5 MA's), (16, 37060), (18, 37081),

Gene: Raqqa_66 Start: 35298, Stop: 35495, Start Num: 11

Candidate Starts for Raqqa_66:

(5, 35178), (6, 35205), (Start: 11 @35298 has 5 MA's), (16, 35382),

Gene: Richie_73 Start: 38781, Stop: 38957, Start Num: 11

Candidate Starts for Richie_73:

(5, 38661), (6, 38688), (Start: 11 @38781 has 5 MA's), (16, 38865), (18, 38886),

Gene: Sashimi_70 Start: 37898, Stop: 38074, Start Num: 11

Candidate Starts for Sashimi_70:

(6, 37805), (Start: 11 @37898 has 5 MA's), (16, 37982),

Gene: Seahorse_75 Start: 39938, Stop: 40120, Start Num: 11

Candidate Starts for Seahorse_75:

(8, 39926), (Start: 11 @39938 has 5 MA's), (13, 39959), (15, 40019), (19, 40067),

Gene: YoungHarleezy_69 Start: 37188, Stop: 37385, Start Num: 11

Candidate Starts for YoungHarleezy_69:

(4, 37059), (6, 37095), (Start: 11 @37188 has 5 MA's), (16, 37272), (18, 37293), (20, 37326),