



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 307214 Report

This analysis was run 09/05/26 on database version 662.

Pham number 307214 has 8 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Skitty_59, Merpity_66, Hum25_67
- Track 2 : MrSmee_64
- Track 3 : Pitbull_65
- Track 4 : Raya_63
- Track 5 : Skyerus_58, Neroxid_63

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Hum25_67, Merpity_66, Skitty_59,

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:

- MrSmee_64, Neroxid_63, Pitbull_65, Raya_63, Skyerus_58,

Summary by start number:

Start 1:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 25.0% of time when present
- Phage (with cluster) where this start called: MrSmee_64 (FQ1),

Start 4:

- Found in 4 of 8 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Raya_63 (FQ2),

Start 5:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Pitbull_65 (FQ1),

Start 8:

- Found in 3 of 8 (37.5%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_67 (FQ1), Merpity_66 (FQ1), Skitty_59 (FQ1),

Start 10:

- Found in 4 of 8 (50.0%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Neroxid_63 (FQ2), Skyerus_58 (FQ2),

Summary by clusters:

There are 2 clusters represented in this pham: FQ2, FQ1,

Info for manual annotations of cluster FQ1:

- Start number 1 was manually annotated 1 time for cluster FQ1.
- Start number 5 was manually annotated 1 time for cluster FQ1.
- Start number 8 was manually annotated 2 times for cluster FQ1.

Gene Information:

Gene: Hum25_67 Start: 37145, Stop: 37354, Start Num: 8

Candidate Starts for Hum25_67:

(6, 37136), (Start: 8 @37145 has 2 MA's), (11, 37292), (12, 37313), (13, 37316), (15, 37346),

Gene: Merpity_66 Start: 36993, Stop: 37202, Start Num: 8

Candidate Starts for Merpity_66:

(6, 36984), (Start: 8 @36993 has 2 MA's), (11, 37140), (12, 37161), (13, 37164), (15, 37194),

Gene: MrSmee_64 Start: 36687, Stop: 37013, Start Num: 1

Candidate Starts for MrSmee_64:

(Start: 1 @36687 has 1 MA's), (2, 36699), (3, 36708), (4, 36753), (7, 36801), (10, 36804), (11, 36951), (12, 36972), (13, 36975), (14, 36981), (15, 37005),

Gene: Neroxid_63 Start: 35934, Stop: 36143, Start Num: 10

Candidate Starts for Neroxid_63:

(Start: 1 @35817 has 1 MA's), (2, 35829), (3, 35838), (4, 35883), (7, 35931), (10, 35934), (11, 36081), (12, 36102), (13, 36105), (14, 36111), (15, 36135),

Gene: Pitbull_65 Start: 36588, Stop: 36815, Start Num: 5

Candidate Starts for Pitbull_65:

(Start: 5 @36588 has 1 MA's), (9, 36606), (11, 36753), (12, 36774), (13, 36777), (15, 36807),

Gene: Raya_63 Start: 35883, Stop: 36143, Start Num: 4

Candidate Starts for Raya_63:

(Start: 1 @35817 has 1 MA's), (2, 35829), (3, 35838), (4, 35883), (7, 35931), (10, 35934), (11, 36081), (12, 36102), (13, 36105), (14, 36111), (15, 36135),

Gene: Skitty_59 Start: 35043, Stop: 35252, Start Num: 8

Candidate Starts for Skitty_59:

(6, 35034), (Start: 8 @35043 has 2 MA's), (11, 35190), (12, 35211), (13, 35214), (15, 35244),

Gene: Skyerus_58 Start: 34052, Stop: 34261, Start Num: 10

Candidate Starts for Skyerus_58:

(Start: 1 @33935 has 1 MA's), (2, 33947), (3, 33956), (4, 34001), (7, 34049), (10, 34052), (11, 34199), (12, 34220), (13, 34223), (14, 34229), (15, 34253),