Pham 106989

1: Cerulean_17 + 6

2: Stink_16 + 1

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 106989 Report

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

Pham number 106989 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Cerulean_17, SheldonCooper_17, Iracema64_17, Obama12_17, LHTSCC_17, ChampagnePapi_17, BangNhom_16
• Track 2 : Stink_16, AvatarAhPeg_17

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AvatarAhPeg_17, BangNhom_16, Cerulean_17, ChampagnePapi_17, Iracema64_17, LHTSCC_17, Obama12_17, SheldonCooper_17, Stink_16,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AvatarAhPeg_17 (A4), BangNhom_16 (A4), Cerulean_17 (A4), ChampagnePapi_17 (A4), Iracema64_17 (A4), LHTSCC_17 (A4), Obama12_17 (A4), SheldonCooper_17 (A4), Stink_16 (A4),

Summary by clusters:

There is one cluster represented in this pham: A4

Info for manual annotations of cluster A4:

•Start number 1 was manually annotated 8 times for cluster A4.

Gene Information:
Gene: AvatarAhPeg_17 Start: 12640, Stop: 12954, Start Num: 1
Candidate Starts for AvatarAhPeg_17:
(Start: 1 @12640 has 8 MA's), (2, 12694), (3, 12709), (4, 12733), (5, 12772), (6, 12787), (7, 12823), (8, 12847), (9, 12871), (10, 12877), (11, 12895), (12, 12940),

Gene: BangNhom_16 Start: 12668, Stop: 12982, Start Num: 1
Candidate Starts for BangNhom_16:
(Start: 1 @12668 has 8 MA's), (2, 12722), (3, 12737), (5, 12800), (6, 12815), (7, 12851), (8, 12875), (9, 12899), (10, 12905),

Gene: Cerulean_17 Start: 12669, Stop: 12983, Start Num: 1
Candidate Starts for Cerulean_17:
(Start: 1 @12669 has 8 MA's), (2, 12723), (3, 12738), (5, 12801), (6, 12816), (7, 12852), (8, 12876), (9, 12900), (10, 12906),

Gene: ChampagnePapi_17 Start: 12668, Stop: 12982, Start Num: 1
Candidate Starts for ChampagnePapi_17:
(Start: 1 @12668 has 8 MA's), (2, 12722), (3, 12737), (5, 12800), (6, 12815), (7, 12851), (8, 12875), (9, 12899), (10, 12905),

Gene: Iracema64_17 Start: 12668, Stop: 12982, Start Num: 1
Candidate Starts for Iracema64_17:
(Start: 1 @12668 has 8 MA's), (2, 12722), (3, 12737), (5, 12800), (6, 12815), (7, 12851), (8, 12875), (9, 12899), (10, 12905),

Gene: LHTSCC_17 Start: 12668, Stop: 12982, Start Num: 1
Candidate Starts for LHTSCC_17:
(Start: 1 @12668 has 8 MA's), (2, 12722), (3, 12737), (5, 12800), (6, 12815), (7, 12851), (8, 12875), (9, 12899), (10, 12905),

Gene: Obama12_17 Start: 12670, Stop: 12984, Start Num: 1
Candidate Starts for Obama12_17:
(Start: 1 @12670 has 8 MA's), (2, 12724), (3, 12739), (5, 12802), (6, 12817), (7, 12853), (8, 12877), (9, 12901), (10, 12907),

Gene: SheldonCooper_17 Start: 12669, Stop: 12983, Start Num: 1
Candidate Starts for SheldonCooper_17:
(Start: 1 @12669 has 8 MA's), (2, 12723), (3, 12738), (5, 12801), (6, 12816), (7, 12852), (8, 12876), (9, 12900), (10, 12906),

Gene: Stink_16 Start: 12641, Stop: 12955, Start Num: 1
Candidate Starts for Stink_16:
(Start: 1 @12641 has 8 MA's), (2, 12695), (3, 12710), (4, 12734), (5, 12773), (6, 12788), (7, 12824), (8, 12848), (9, 12872), (10, 12878), (11, 12896), (12, 12941),