Pham 203652

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 203652 Report

This analysis was run 01/25/25 on database version 584.

Pham number 203652 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Beleetus_198
• Track 2 : Alone3_203
• Track 3 : Talos_203
• Track 4 : Garnacho_198
• Track 5 : BRock_189
• Track 6 : GiJojo_191
• Track 7 : LuckySocke_200

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alone3_203, LuckySocke_200,

Genes that have the "Most Annotated" start but do not call it:
• Beleetus_198, Garnacho_198, Talos_203,

Genes that do not have the "Most Annotated" start:
• BRock_189, GiJojo_191,

Summary by start number:

Start 6:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Alone3_203 (BS), LuckySocke_200 (BS),

Start 8:
• Found in 1 of 7 (14.3%) 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: GiJojo_191 (BS),

Start 9:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BRock_189 (BS), Beleetus_198 (BS), Garnacho_198 (BS), Talos_203 (BS),

Summary by clusters:

There is one cluster represented in this pham: BS

Info for manual annotations of cluster BS:
•Start number 6 was manually annotated 2 times for cluster BS.
•Start number 8 was manually annotated 1 time for cluster BS.
•Start number 9 was manually annotated 1 time for cluster BS.

Gene Information:

Gene: Alone3_203 Start: 105091, Stop: 105372, Start Num: 6
Candidate Starts for Alone3_203:
(Start: 6 @105091 has 2 MA's), (7, 105136), (Start: 9 @105154 has 1 MA's), (11, 105172), (15, 105211), (20, 105277), (25, 105331), (26, 105340),

Gene: BRock_189 Start: 99449, Stop: 99682, Start Num: 9
Candidate Starts for BRock_189:
(Start: 9 @99449 has 1 MA's), (10, 99464), (12, 99491), (14, 99509), (15, 99515), (16, 99539), (18, 99566),

Gene: Beleetus_198 Start: 103125, Stop: 103343, Start Num: 9
Candidate Starts for Beleetus_198:
(1, 102930), (Start: 6 @103062 has 2 MA's), (7, 103107), (Start: 9 @103125 has 1 MA's), (11, 103143), (15, 103182), (20, 103248), (25, 103302), (26, 103311),

Gene: Garnacho_198 Start: 103279, Stop: 103497, Start Num: 9
Candidate Starts for Garnacho_198:
(2, 103126), (3, 103132), (4, 103135), (Start: 6 @103216 has 2 MA's), (7, 103261), (Start: 9 @103279 has 1 MA's), (13, 103327), (17, 103378), (21, 103408), (23, 103429), (27, 103474),

Gene: GiJojo_191 Start: 104406, Stop: 104630, Start Num: 8
Candidate Starts for GiJojo_191:
(Start: 8 @104406 has 1 MA's), (17, 104511), (19, 104532), (21, 104541), (26, 104598),

Gene: LuckySocke_200 Start: 103000, Stop: 103281, Start Num: 6
Candidate Starts for LuckySocke_200:
(5, 102931), (Start: 6 @103000 has 2 MA's), (7, 103045), (Start: 9 @103063 has 1 MA's), (15, 103120), (23, 103213), (24, 103222),

Gene: Talos_203 Start: 103744, Stop: 103971, Start Num: 9

Candidate Starts for Talos_203:
(Start: 6 @103681 has 2 MA's), (7, 103726), (Start: 9 @103744 has 1 MA's), (13, 103801), (20, 103876), (22, 103885), (23, 103903), (24, 103912), (27, 103948),