Pham 284243

1: MargaretKali_12
2: Alatato_10
3: Rooter_11 + 1
4: BrayBeast_11
5: Kumotta_12
6: Shoya_10 + 1
7: Pigu_11
8: PrairieDogTown_12 + 1
9: NoSwimming_13 + 1
10: CocoCinnamon_15
11: Maja_11
12: Aoka_12
13: JanetJ_12

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 284243 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284243 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : MargaretKali_12
• Track 2 : Alatato_10
• Track 3 : Rooter_11, Sarge_11
• Track 4 : BrayBeast_11
• Track 5 : Kumotta_12
• Track 6 : Shoya_10, JeanClaude_11
• Track 7 : Pigu_11
• Track 8 : PrairieDogTown_12, EvenBluerMoon_12
• Track 9 : NoSwimming_13, Scotia_13
• Track 10 : CocoCinnamon_15
• Track 11 : Maja_11
• Track 12 : Aoka_12
• Track 13 : JanetJ_12

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_10, Aoka_12, BrayBeast_11, CocoCinnamon_15, EvenBluerMoon_12, JanetJ_12, JeanClaude_11, Kumotta_12, Maja_11, MargaretKali_12, NoSwimming_13, Pigu_11, PrairieDogTown_12, Rooter_11, Sarge_11, Scotia_13, Shoya_10,

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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_10 (FB), Aoka_12 (FO), BrayBeast_11 (FB), CocoCinnamon_15 (FO), EvenBluerMoon_12 (FO), JanetJ_12 (FO), JeanClaude_11 (FB), Kumotta_12 (FB), Maja_11 (FO), MargaretKali_12 (FB), NoSwimming_13 (FO), Pigu_11 (FB), PrairieDogTown_12 (FO), Rooter_11 (FB), Sarge_11 (FB), Scotia_13 (FO), Shoya_10 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: FB, FO,

Info for manual annotations of cluster FB:
•Start number 1 was manually annotated 6 times for cluster FB.

Info for manual annotations of cluster FO:
•Start number 1 was manually annotated 8 times for cluster FO.

Gene Information:

Gene: Alatato_10 Start: 7192, Stop: 7572, Start Num: 1
Candidate Starts for Alatato_10:
(Start: 1 @7192 has 14 MA's), (4, 7252), (5, 7270), (8, 7357), (9, 7363), (13, 7459), (14, 7465), (17, 7534),

Gene: Aoka_12 Start: 8710, Stop: 9090, Start Num: 1
Candidate Starts for Aoka_12:
(Start: 1 @8710 has 14 MA's), (11, 8923), (12, 8935), (15, 9007), (16, 9022),

Gene: BrayBeast_11 Start: 7602, Stop: 7979, Start Num: 1
Candidate Starts for BrayBeast_11:
(Start: 1 @7602 has 14 MA's), (4, 7659), (6, 7716), (7, 7743), (8, 7764), (9, 7770), (14, 7872), (16, 7908), (17, 7941),

Gene: CocoCinnamon_15 Start: 8936, Stop: 9316, Start Num: 1
Candidate Starts for CocoCinnamon_15:
(Start: 1 @8936 has 14 MA's), (8, 9101), (9, 9107), (13, 9203), (14, 9209), (16, 9245), (17, 9278),

Gene: EvenBluerMoon_12 Start: 8744, Stop: 9133, Start Num: 1
Candidate Starts for EvenBluerMoon_12:
(Start: 1 @8744 has 14 MA's), (7, 8891), (11, 8957), (12, 8969),

Gene: JanetJ_12 Start: 8526, Stop: 8915, Start Num: 1
Candidate Starts for JanetJ_12:
(Start: 1 @8526 has 14 MA's), (8, 8694), (11, 8739), (12, 8751), (15, 8823), (17, 8871),

Gene: JeanClaude_11 Start: 7509, Stop: 7886, Start Num: 1
Candidate Starts for JeanClaude_11:
(Start: 1 @7509 has 14 MA's), (6, 7623), (7, 7650), (8, 7671), (14, 7779), (16, 7815), (17, 7848),

Gene: Kumotta_12 Start: 8443, Stop: 8820, Start Num: 1
Candidate Starts for Kumotta_12:
(Start: 1 @8443 has 14 MA's), (7, 8584), (8, 8605), (9, 8611), (11, 8650), (13, 8707), (14, 8713), (16, 8749), (17, 8782),

Gene: Maja_11 Start: 8064, Stop: 8444, Start Num: 1
Candidate Starts for Maja_11:
(Start: 1 @8064 has 14 MA's), (3, 8112), (5, 8142), (7, 8208), (8, 8229), (9, 8235), (14, 8337), (16, 8373), (17, 8406),

Gene: MargaretKali_12 Start: 8078, Stop: 8455, Start Num: 1
Candidate Starts for MargaretKali_12:
(Start: 1 @8078 has 14 MA's), (4, 8135), (7, 8219), (8, 8240), (9, 8246), (11, 8285), (13, 8342), (14, 8348), (16, 8384), (17, 8417),

Gene: NoSwimming_13 Start: 9693, Stop: 10082, Start Num: 1
Candidate Starts for NoSwimming_13:
(Start: 1 @9693 has 14 MA's), (2, 9726), (8, 9861), (10, 9879), (15, 9990), (16, 10005),

Gene: Pigu_11 Start: 7154, Stop: 7531, Start Num: 1
Candidate Starts for Pigu_11:
(Start: 1 @7154 has 14 MA's), (4, 7211), (5, 7229), (7, 7295), (8, 7316), (9, 7322), (14, 7424), (16, 7460), (17, 7493),

Gene: PrairieDogTown_12 Start: 8746, Stop: 9135, Start Num: 1
Candidate Starts for PrairieDogTown_12:
(Start: 1 @8746 has 14 MA's), (7, 8893), (11, 8959), (12, 8971),

Gene: Rooter_11 Start: 7146, Stop: 7523, Start Num: 1
Candidate Starts for Rooter_11:
(Start: 1 @7146 has 14 MA's), (6, 7260), (7, 7287), (8, 7308), (13, 7410), (14, 7416), (16, 7452), (17, 7485),

Gene: Sarge_11 Start: 7513, Stop: 7890, Start Num: 1
Candidate Starts for Sarge_11:
(Start: 1 @7513 has 14 MA's), (6, 7627), (7, 7654), (8, 7675), (13, 7777), (14, 7783), (16, 7819), (17, 7852),

Gene: Scotia_13 Start: 9699, Stop: 10088, Start Num: 1
Candidate Starts for Scotia_13:
(Start: 1 @9699 has 14 MA's), (2, 9732), (8, 9867), (10, 9885), (15, 9996), (16, 10011),

Gene: Shoya_10 Start: 7149, Stop: 7526, Start Num: 1
Candidate Starts for Shoya_10:
(Start: 1 @7149 has 14 MA's), (6, 7263), (7, 7290), (8, 7311), (14, 7419), (16, 7455), (17, 7488),