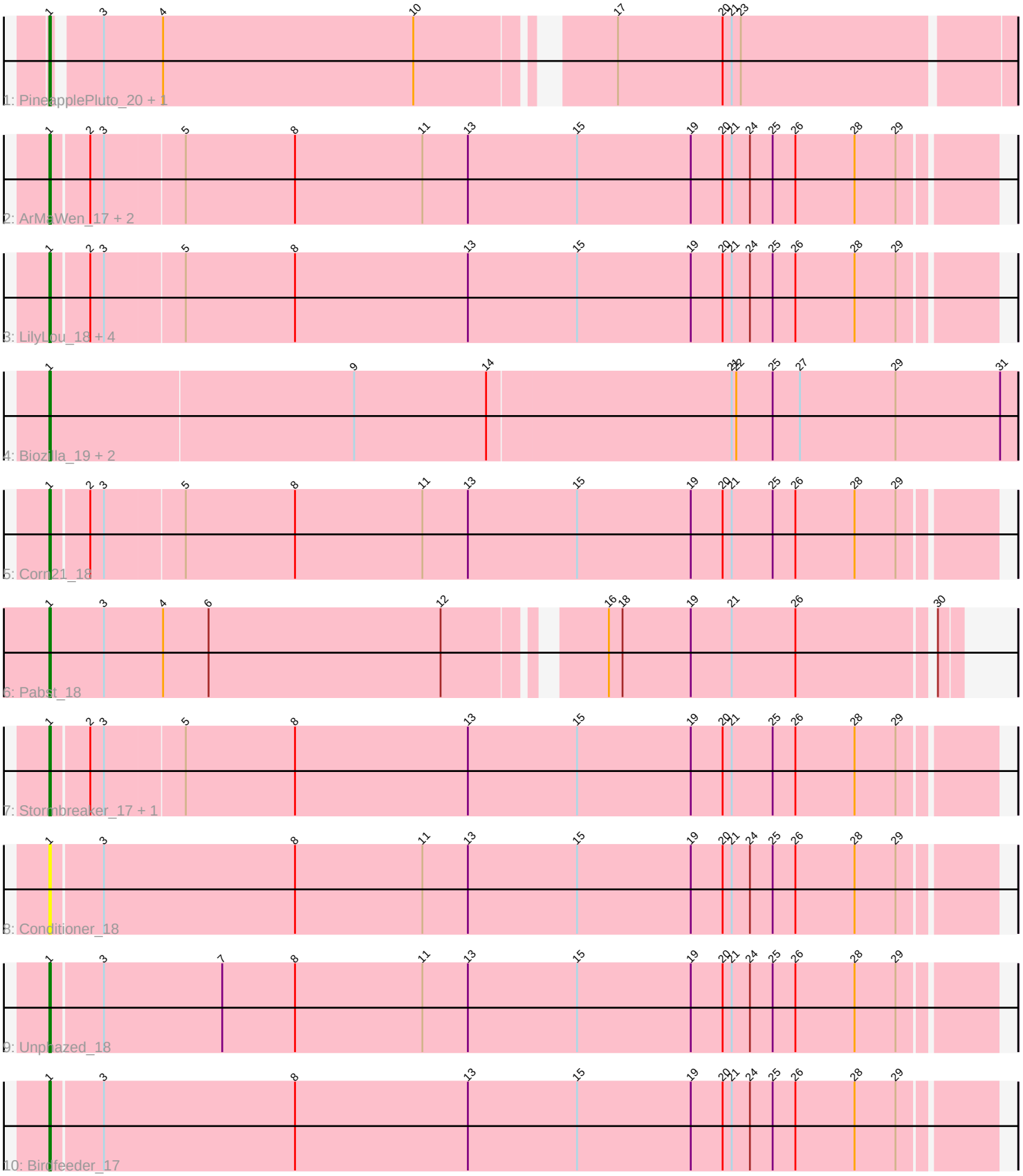
Pham 346182


1: PineapplePluto_20 + 1
2: ArMaWen_17 + 2
3: LilyLou_18 + 4
4: Biozilla_19 + 2
5: Corn21_18
6: Pabst_18
7: Stormbreaker_17 + 1
8: Conditioner_18
9: Unphazed_18
10: Birdfeeder_17

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 346182 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346182 has 20 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PineapplePluto_20, CrunchyBoi_20
• Track 2 : ArMaWen_17, BlueRugrat_17, LesNorah_17
• Track 3 : LilyLou_18, Phogo_18, DumpQuist_17, Dashyla_17, SwissCheezer_17
• Track 4 : Biozilla_19, HitchHiker_20, TicTac_19
• Track 5 : Corn21_18
• Track 6 : Pabst_18
• Track 7 : Stormbreaker_17, Alex44_18
• Track 8 : Conditioner_18
• Track 9 : Unphazed_18
• Track 10 : Birdfeeder_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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alex44_18, ArMaWen_17, Biozilla_19, Birdfeeder_17, BlueRugrat_17, Conditioner_18, Corn21_18, CrunchyBoi_20, Dashyla_17, DumpQuist_17, HitchHiker_20, LesNorah_17, LilyLou_18, Pabst_18, Phogo_18, PineapplePluto_20, Stormbreaker_17, SwissCheezer_17, TicTac_19, Unphazed_18,

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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 19 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alex44_18 (EK1), ArMaWen_17 (EK1), Biozilla_19 (EK1), Birdfeeder_17 (EK1), BlueRugrat_17 (EK1), Conditioner_18 (EK1), Corn21_18 (EK1), CrunchyBoi_20 (EK1), Dashyla_17 (EK1), DumpQuist_17 (EK1), HitchHiker_20 (EK1), LesNorah_17 (EK1), LilyLou_18 (EK1), Pabst_18 (EK1), Phogo_18 (EK1), PineapplePluto_20 (EK1), Stormbreaker_17 (EK1), SwissCheezer_17 (EK1), TicTac_19 (EK1), Unphazed_18 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:
•Start number 1 was manually annotated 19 times for cluster EK1.

Gene Information:

Gene: Alex44_18 Start: 12293, Stop: 11682, Start Num: 1
Candidate Starts for Alex44_18:
(Start: 1 @12293 has 19 MA's), (2, 12269), (3, 12260), (5, 12209), (8, 12137), (13, 12023), (15, 11951), (19, 11876), (20, 11855), (21, 11849), (25, 11822), (26, 11807), (28, 11768), (29, 11741),

Gene: ArMaWen_17 Start: 11877, Stop: 11266, Start Num: 1
Candidate Starts for ArMaWen_17:
(Start: 1 @11877 has 19 MA's), (2, 11853), (3, 11844), (5, 11793), (8, 11721), (11, 11637), (13, 11607), (15, 11535), (19, 11460), (20, 11439), (21, 11433), (24, 11421), (25, 11406), (26, 11391), (28, 11352), (29, 11325),

Gene: Biozilla_19 Start: 12718, Stop: 12086, Start Num: 1
Candidate Starts for Biozilla_19:
(Start: 1 @12718 has 19 MA's), (9, 12520), (14, 12433), (21, 12274), (22, 12271), (25, 12247), (27, 12229), (29, 12166), (31, 12097),

Gene: Birdfeeder_17 Start: 12240, Stop: 11626, Start Num: 1
Candidate Starts for Birdfeeder_17:
(Start: 1 @12240 has 19 MA's), (3, 12207), (8, 12081), (13, 11967), (15, 11895), (19, 11820), (20, 11799), (21, 11793), (24, 11781), (25, 11766), (26, 11751), (28, 11712), (29, 11685),

Gene: BlueRugrat_17 Start: 12311, Stop: 11700, Start Num: 1
Candidate Starts for BlueRugrat_17:
(Start: 1 @12311 has 19 MA's), (2, 12287), (3, 12278), (5, 12227), (8, 12155), (11, 12071), (13, 12041), (15, 11969), (19, 11894), (20, 11873), (21, 11867), (24, 11855), (25, 11840), (26, 11825), (28, 11786), (29, 11759),

Gene: Conditioner_18 Start: 12590, Stop: 11976, Start Num: 1
Candidate Starts for Conditioner_18:
(Start: 1 @12590 has 19 MA's), (3, 12557), (8, 12431), (11, 12347), (13, 12317), (15, 12245), (19, 12170), (20, 12149), (21, 12143), (24, 12131), (25, 12116), (26, 12101), (28, 12062), (29, 12035),

Gene: Corn21_18 Start: 12616, Stop: 12005, Start Num: 1
Candidate Starts for Corn21_18:

(Start: 1 @12616 has 19 MA's), (2, 12592), (3, 12583), (5, 12532), (8, 12460), (11, 12376), (13, 12346), (15, 12274), (19, 12199), (20, 12178), (21, 12172), (25, 12145), (26, 12130), (28, 12091), (29, 12064),

Gene: CrunchyBoi_20 Start: 12670, Stop: 12077, Start Num: 1
Candidate Starts for CrunchyBoi_20:
(Start: 1 @12670 has 19 MA's), (3, 12643), (4, 12604), (10, 12439), (17, 12331), (20, 12262), (21, 12256), (23, 12250),

Gene: Dashyla_17 Start: 11890, Stop: 11279, Start Num: 1
Candidate Starts for Dashyla_17:
(Start: 1 @11890 has 19 MA's), (2, 11866), (3, 11857), (5, 11806), (8, 11734), (13, 11620), (15, 11548), (19, 11473), (20, 11452), (21, 11446), (24, 11434), (25, 11419), (26, 11404), (28, 11365), (29, 11338),

Gene: DumpQuist_17 Start: 11880, Stop: 11269, Start Num: 1
Candidate Starts for DumpQuist_17:
(Start: 1 @11880 has 19 MA's), (2, 11856), (3, 11847), (5, 11796), (8, 11724), (13, 11610), (15, 11538), (19, 11463), (20, 11442), (21, 11436), (24, 11424), (25, 11409), (26, 11394), (28, 11355), (29, 11328),

Gene: HitchHiker_20 Start: 12718, Stop: 12086, Start Num: 1
Candidate Starts for HitchHiker_20:
(Start: 1 @12718 has 19 MA's), (9, 12520), (14, 12433), (21, 12274), (22, 12271), (25, 12247), (27, 12229), (29, 12166), (31, 12097),

Gene: LesNorah_17 Start: 12404, Stop: 11793, Start Num: 1
Candidate Starts for LesNorah_17:
(Start: 1 @12404 has 19 MA's), (2, 12380), (3, 12371), (5, 12320), (8, 12248), (11, 12164), (13, 12134), (15, 12062), (19, 11987), (20, 11966), (21, 11960), (24, 11948), (25, 11933), (26, 11918), (28, 11879), (29, 11852),

Gene: LilyLou_18 Start: 12254, Stop: 11643, Start Num: 1
Candidate Starts for LilyLou_18:
(Start: 1 @12254 has 19 MA's), (2, 12230), (3, 12221), (5, 12170), (8, 12098), (13, 11984), (15, 11912), (19, 11837), (20, 11816), (21, 11810), (24, 11798), (25, 11783), (26, 11768), (28, 11729), (29, 11702),

Gene: Pabst_18 Start: 12378, Stop: 11812, Start Num: 1
Candidate Starts for Pabst_18:
(Start: 1 @12378 has 19 MA's), (3, 12342), (4, 12303), (6, 12273), (12, 12120), (16, 12033), (18, 12024), (19, 11979), (21, 11952), (26, 11910), (30, 11826),

Gene: Phogo_18 Start: 12086, Stop: 11475, Start Num: 1
Candidate Starts for Phogo_18:
(Start: 1 @12086 has 19 MA's), (2, 12062), (3, 12053), (5, 12002), (8, 11930), (13, 11816), (15, 11744), (19, 11669), (20, 11648), (21, 11642), (24, 11630), (25, 11615), (26, 11600), (28, 11561), (29, 11534),

Gene: PineapplePluto_20 Start: 12679, Stop: 12086, Start Num: 1
Candidate Starts for PineapplePluto_20:
(Start: 1 @12679 has 19 MA's), (3, 12652), (4, 12613), (10, 12448), (17, 12340), (20, 12271), (21, 12265), (23, 12259),

Gene: Stormbreaker_17 Start: 12216, Stop: 11605, Start Num: 1
Candidate Starts for Stormbreaker_17:
(Start: 1 @12216 has 19 MA's), (2, 12192), (3, 12183), (5, 12132), (8, 12060), (13, 11946), (15, 11874), (19, 11799), (20, 11778), (21, 11772), (25, 11745), (26, 11730), (28, 11691), (29, 11664),

Gene: SwissCheezer_17 Start: 11853, Stop: 11242, Start Num: 1
Candidate Starts for SwissCheezer_17:
(Start: 1 @11853 has 19 MA's), (2, 11829), (3, 11820), (5, 11769), (8, 11697), (13, 11583), (15, 11511), (19, 11436), (20, 11415), (21, 11409), (24, 11397), (25, 11382), (26, 11367), (28, 11328), (29, 11301),

Gene: TicTac_19 Start: 12730, Stop: 12098, Start Num: 1
Candidate Starts for TicTac_19:
(Start: 1 @12730 has 19 MA's), (9, 12532), (14, 12445), (21, 12286), (22, 12283), (25, 12259), (27, 12241), (29, 12178), (31, 12109),

Gene: Unphazed_18 Start: 12116, Stop: 11502, Start Num: 1
Candidate Starts for Unphazed_18:
(Start: 1 @12116 has 19 MA's), (3, 12083), (7, 12005), (8, 11957), (11, 11873), (13, 11843), (15, 11771), (19, 11696), (20, 11675), (21, 11669), (24, 11657), (25, 11642), (26, 11627), (28, 11588), (29, 11561),