Pham 272539

1: PorkBelly_60
2: GUPitcher_80
3: DreamEater_81
4: Kukla_82
5: TripleJ_81
6: PetriParty_81
7: LuckyBarnes_3

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 272539 Report

This analysis was run 02/07/26 on database version 634.

Pham number 272539 has 7 members, 4 are drafts.

Phages represented in each track:
• Track 1 : PorkBelly_60
• Track 2 : GUPitcher_80
• Track 3 : DreamEater_81
• Track 4 : Kukla_82
• Track 5 : TripleJ_81
• Track 6 : PetriParty_81
• Track 7 : LuckyBarnes_3

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

The start number called the most often in the published annotations is 14, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• LuckyBarnes_3, PorkBelly_60,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• DreamEater_81, GUPitcher_80, Kukla_82, PetriParty_81, TripleJ_81,

Summary by start number:

Start 12:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_81 (FJ), PetriParty_81 (FJ), TripleJ_81 (FJ),

Start 13:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GUPitcher_80 (FJ),

Start 14:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LuckyBarnes_3 (singleton), PorkBelly_60 (FJ),

Start 16:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kukla_82 (FJ),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, FJ,

Info for manual annotations of cluster FJ:
•Start number 12 was manually annotated 1 time for cluster FJ.
•Start number 16 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: DreamEater_81 Start: 43961, Stop: 44611, Start Num: 12
Candidate Starts for DreamEater_81:
(Start: 12 @43961 has 1 MA's), (15, 43994), (19, 44060), (23, 44108), (26, 44159), (29, 44186), (30, 44192), (31, 44198), (36, 44270), (38, 44297), (54, 44558), (55, 44570),

Gene: GUPitcher_80 Start: 44251, Stop: 44880, Start Num: 13
Candidate Starts for GUPitcher_80:
(9, 44110), (13, 44251), (18, 44320), (24, 44401), (26, 44428), (28, 44449), (30, 44461), (36, 44539), (55, 44839),

Gene: Kukla_82 Start: 44547, Stop: 45155, Start Num: 16
Candidate Starts for Kukla_82:
(Start: 16 @44547 has 1 MA's), (24, 44676), (26, 44703), (36, 44814), (38, 44841), (40, 44889), (47, 45009), (48, 45036), (55, 45114),

Gene: LuckyBarnes_3 Start: 726, Stop: 1346, Start Num: 14
Candidate Starts for LuckyBarnes_3:
(Start: 14 @726 has 1 MA's), (17, 771), (20, 816), (21, 828), (22, 837), (32, 957), (34, 972), (36, 1014), (37, 1041), (39, 1053), (41, 1089), (42, 1107), (44, 1152), (45, 1185), (50, 1245), (51, 1251), (53, 1284), (55, 1305), (57, 1320), (58, 1326),

Gene: PetriParty_81 Start: 43126, Stop: 43773, Start Num: 12
Candidate Starts for PetriParty_81:
(Start: 12 @43126 has 1 MA's), (15, 43159), (23, 43273), (26, 43324), (27, 43336), (33, 43381), (35, 43414), (36, 43435), (38, 43462), (41, 43516), (47, 43630), (54, 43723), (55, 43735),

Gene: PorkBelly_60 Start: 45798, Stop: 46433, Start Num: 14
Candidate Starts for PorkBelly_60:
(Start: 14 @45798 has 1 MA's), (25, 45966), (43, 46212), (44, 46230), (46, 46260), (47, 46272), (49, 46314), (52, 46341), (55, 46377), (56, 46380), (59, 46425), (60, 46428),

Gene: TripleJ_81 Start: 43166, Stop: 43816, Start Num: 12
Candidate Starts for TripleJ_81:
(1, 42815), (2, 42851), (3, 42854), (4, 42860), (5, 42905), (6, 42926), (7, 43001), (8, 43037), (10, 43061), (11, 43145), (Start: 12 @43166 has 1 MA's), (15, 43199), (19, 43265), (23, 43313), (26, 43364), (36, 43475), (38, 43502), (40, 43550), (41, 43556), (47, 43670), (55, 43775),