Pham 291701

1: Faja_15
2: Sashimi_16
3: PetriParty_12
4: PorkBelly_12
5: TripleJ_13
6: Kukla_13 + 1
7: DreamEater_13
8: GUPitcher_13
9: Pitbull_13
10: Hum25_13
11: LuckyBarnes_19

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 291701 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291701 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Faja_15
• Track 2 : Sashimi_16
• Track 3 : PetriParty_12
• Track 4 : PorkBelly_12
• Track 5 : TripleJ_13
• Track 6 : Kukla_13, EvePickles_15
• Track 7 : DreamEater_13
• Track 8 : GUPitcher_13
• Track 9 : Pitbull_13
• Track 10 : Hum25_13
• Track 11 : LuckyBarnes_19

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EvePickles_15, Faja_15, GUPitcher_13, Kukla_13, PetriParty_12, Sashimi_16, TripleJ_13,

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

Genes that do not have the "Most Annotated" start:
• DreamEater_13, Hum25_13, LuckyBarnes_19, Pitbull_13, PorkBelly_12,

Summary by start number:

Start 1:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: EvePickles_15 (AY), Faja_15 (AY), GUPitcher_13 (FJ), Kukla_13 (FJ), PetriParty_12 (FJ), Sashimi_16 (AY), TripleJ_13 (FJ),

Start 2:
• Found in 2 of 12 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DreamEater_13 (FJ), PorkBelly_12 (FJ),

Start 3:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_13 (FQ), LuckyBarnes_19 (singleton), Pitbull_13 (FQ),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FQ, FJ, singleton,

Info for manual annotations of cluster AY:
•Start number 1 was manually annotated 3 times for cluster AY.

Info for manual annotations of cluster FJ:
•Start number 1 was manually annotated 2 times for cluster FJ.

Info for manual annotations of cluster FQ:
•Start number 3 was manually annotated 2 times for cluster FQ.

Gene Information:

Gene: DreamEater_13 Start: 8967, Stop: 9488, Start Num: 2
Candidate Starts for DreamEater_13:
(2, 8967), (4, 8982), (6, 9069), (13, 9210), (15, 9249), (18, 9291), (22, 9366), (28, 9447),

Gene: EvePickles_15 Start: 9172, Stop: 9693, Start Num: 1
Candidate Starts for EvePickles_15:
(Start: 1 @9172 has 5 MA's), (4, 9193), (13, 9412), (18, 9493), (22, 9568), (28, 9649), (30, 9661),

Gene: Faja_15 Start: 9116, Stop: 9637, Start Num: 1
Candidate Starts for Faja_15:
(Start: 1 @9116 has 5 MA's), (4, 9137), (13, 9356), (22, 9512), (27, 9584), (28, 9593), (30, 9605),

Gene: GUPitcher_13 Start: 8607, Stop: 9128, Start Num: 1
Candidate Starts for GUPitcher_13:
(Start: 1 @8607 has 5 MA's), (4, 8628), (13, 8847), (18, 8928), (22, 9003), (25, 9033), (28, 9084), (30, 9096),

Gene: Hum25_13 Start: 7904, Stop: 8419, Start Num: 3
Candidate Starts for Hum25_13:

(Start: 3 @7904 has 3 MA's), (8, 8024), (9, 8027), (16, 8207), (20, 8249),

Gene: Kukla_13 Start: 8634, Stop: 9155, Start Num: 1
Candidate Starts for Kukla_13:
(Start: 1 @8634 has 5 MA's), (4, 8655), (13, 8874), (18, 8955), (22, 9030), (28, 9111), (30, 9123),

Gene: LuckyBarnes_19 Start: 11489, Stop: 12013, Start Num: 3
Candidate Starts for LuckyBarnes_19:
(Start: 3 @11489 has 3 MA's), (12, 11714), (19, 11825), (26, 11918), (29, 11969), (31, 11984),

Gene: PetriParty_12 Start: 8914, Stop: 9435, Start Num: 1
Candidate Starts for PetriParty_12:
(Start: 1 @8914 has 5 MA's), (4, 8935), (13, 9154), (14, 9181), (18, 9235), (22, 9310), (25, 9340), (28, 9391), (30, 9403),

Gene: Pitbull_13 Start: 7534, Stop: 8049, Start Num: 3
Candidate Starts for Pitbull_13:
(Start: 3 @7534 has 3 MA's), (8, 7654), (16, 7837), (20, 7879),

Gene: PorkBelly_12 Start: 8601, Stop: 9119, Start Num: 2
Candidate Starts for PorkBelly_12:
(2, 8601), (5, 8682), (7, 8724), (10, 8748), (11, 8811), (13, 8841), (17, 8919), (18, 8922), (21, 8967), (23, 9006), (24, 9009), (26, 9030),

Gene: Sashimi_16 Start: 9234, Stop: 9755, Start Num: 1
Candidate Starts for Sashimi_16:
(Start: 1 @9234 has 5 MA's), (4, 9255), (13, 9474), (18, 9555), (22, 9630), (27, 9702), (28, 9711), (30, 9723),

Gene: TripleJ_13 Start: 8929, Stop: 9450, Start Num: 1
Candidate Starts for TripleJ_13:
(Start: 1 @8929 has 5 MA's), (4, 8950), (13, 9169), (14, 9196), (18, 9250), (22, 9325), (28, 9406), (30, 9418),