Pham 106645

1: Alma_35

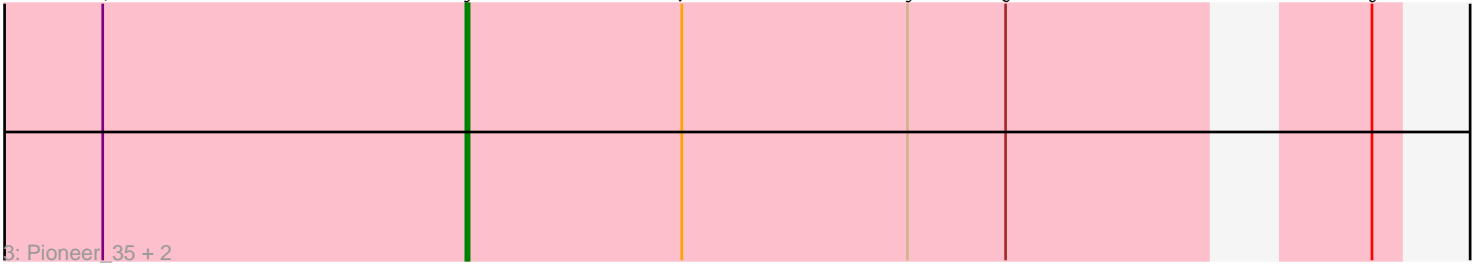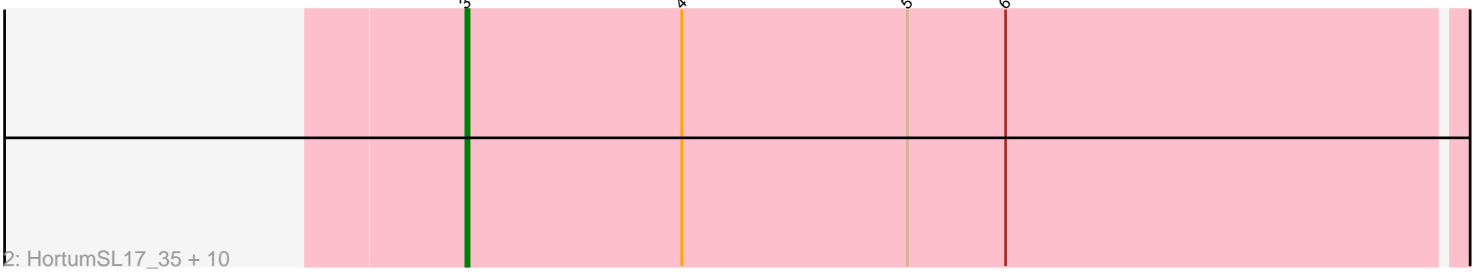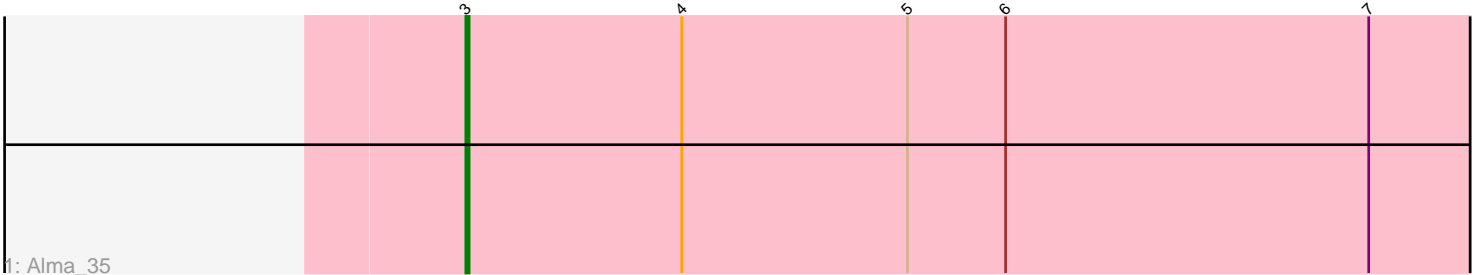2: HortumSL17_35 + 10

3: Pioneer_35 + 2

4: ExplosioNervosa_35

5: LoneWolf_34

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 106645 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106645 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Alma_35
• Track 2 : HortumSL17_35, Myxus_35, Catalina_36, Conquerage_35, Qobbit_35, Phaeder_35, Fayely_35, Eidsmoe_35, Aliter_35, Tubs_35, Priya_35
• Track 3 : Pioneer_35, Phonnegut_35, Beemo_35
• Track 4 : ExplosioNervosa_35
• Track 5 : LoneWolf_34

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

The start number called the most often in the published annotations is 3, it was called in 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_35, Alma_35, Beemo_35, Catalina_36, Conquerage_35, Eidsmoe_35, ExplosioNervosa_35, Fayely_35, HortumSL17_35, Myxus_35, Phaeder_35, Phonnegut_35, Pioneer_35, Priya_35, Qobbit_35, Tubs_35,

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

Genes that do not have the "Most Annotated" start:
• LoneWolf_34,

Summary by start number:

Start 2:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LoneWolf_34 (A9),

Start 3:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 16 of 17

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aliter_35 (A9), Alma_35 (A9), Beemo_35 (A9), Catalina_36 (A9), Conquerage_35 (A9), Eidsmoe_35 (A9), ExplosioNervosa_35 (A9), Fayely_35 (A9), HortumSL17_35 (A9), Myxus_35 (A9), Phaeder_35 (A9), Phonnegut_35 (A9), Pioneer_35 (A9), Priya_35 (A9), Qobbit_35 (A9), Tubs_35 (A9),

Summary by clusters:

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 2 was manually annotated 1 time for cluster A9.
•Start number 3 was manually annotated 16 times for cluster A9.

Gene Information:
Gene: Aliter_35 Start: 26452, Stop: 26874, Start Num: 3
Candidate Starts for Aliter_35:
(Start: 3 @26452 has 16 MA's), (4, 26518), (5, 26587), (6, 26617),

Gene: Alma_35 Start: 26568, Stop: 26876, Start Num: 3
Candidate Starts for Alma_35:
(Start: 3 @26568 has 16 MA's), (4, 26634), (5, 26703), (6, 26733), (7, 26844),

Gene: Beemo_35 Start: 26559, Stop: 26822, Start Num: 3
Candidate Starts for Beemo_35:
(1, 26448), (Start: 3 @26559 has 16 MA's), (4, 26625), (5, 26694), (6, 26724), (8, 26814),

Gene: Catalina_36 Start: 26525, Stop: 26947, Start Num: 3
Candidate Starts for Catalina_36:
(Start: 3 @26525 has 16 MA's), (4, 26591), (5, 26660), (6, 26690),

Gene: Conquerage_35 Start: 26554, Stop: 26976, Start Num: 3
Candidate Starts for Conquerage_35:
(Start: 3 @26554 has 16 MA's), (4, 26620), (5, 26689), (6, 26719),

Gene: Eidsmoe_35 Start: 26588, Stop: 27010, Start Num: 3
Candidate Starts for Eidsmoe_35:
(Start: 3 @26588 has 16 MA's), (4, 26654), (5, 26723), (6, 26753),

Gene: ExplosioNervosa_35 Start: 26593, Stop: 26856, Start Num: 3
Candidate Starts for ExplosioNervosa_35:
(Start: 3 @26593 has 16 MA's), (4, 26659), (5, 26728), (6, 26758), (8, 26848),

Gene: Fayely_35 Start: 26557, Stop: 26979, Start Num: 3
Candidate Starts for Fayely_35:
(Start: 3 @26557 has 16 MA's), (4, 26623), (5, 26692), (6, 26722),

Gene: HortumSL17_35 Start: 26524, Stop: 26946, Start Num: 3
Candidate Starts for HortumSL17_35:

(Start: 3 @26524 has 16 MA's), (4, 26590), (5, 26659), (6, 26689),

Gene: LoneWolf_34 Start: 26103, Stop: 26423, Start Num: 2
Candidate Starts for LoneWolf_34:
(Start: 2 @26103 has 1 MA's), (4, 26181), (5, 26250), (6, 26280), (7, 26391),

Gene: Myxus_35 Start: 26524, Stop: 26946, Start Num: 3
Candidate Starts for Myxus_35:
(Start: 3 @26524 has 16 MA's), (4, 26590), (5, 26659), (6, 26689),

Gene: Phaeder_35 Start: 26524, Stop: 26946, Start Num: 3
Candidate Starts for Phaeder_35:
(Start: 3 @26524 has 16 MA's), (4, 26590), (5, 26659), (6, 26689),

Gene: Phonnegut_35 Start: 26558, Stop: 26821, Start Num: 3
Candidate Starts for Phonnegut_35:
(1, 26447), (Start: 3 @26558 has 16 MA's), (4, 26624), (5, 26693), (6, 26723), (8, 26813),

Gene: Pioneer_35 Start: 26558, Stop: 26821, Start Num: 3
Candidate Starts for Pioneer_35:
(1, 26447), (Start: 3 @26558 has 16 MA's), (4, 26624), (5, 26693), (6, 26723), (8, 26813),

Gene: Priya_35 Start: 26591, Stop: 27013, Start Num: 3
Candidate Starts for Priya_35:
(Start: 3 @26591 has 16 MA's), (4, 26657), (5, 26726), (6, 26756),

Gene: Qobbit_35 Start: 26553, Stop: 26975, Start Num: 3
Candidate Starts for Qobbit_35:
(Start: 3 @26553 has 16 MA's), (4, 26619), (5, 26688), (6, 26718),

Gene: Tubs_35 Start: 26524, Stop: 26946, Start Num: 3
Candidate Starts for Tubs_35:
(Start: 3 @26524 has 16 MA's), (4, 26590), (5, 26659), (6, 26689),