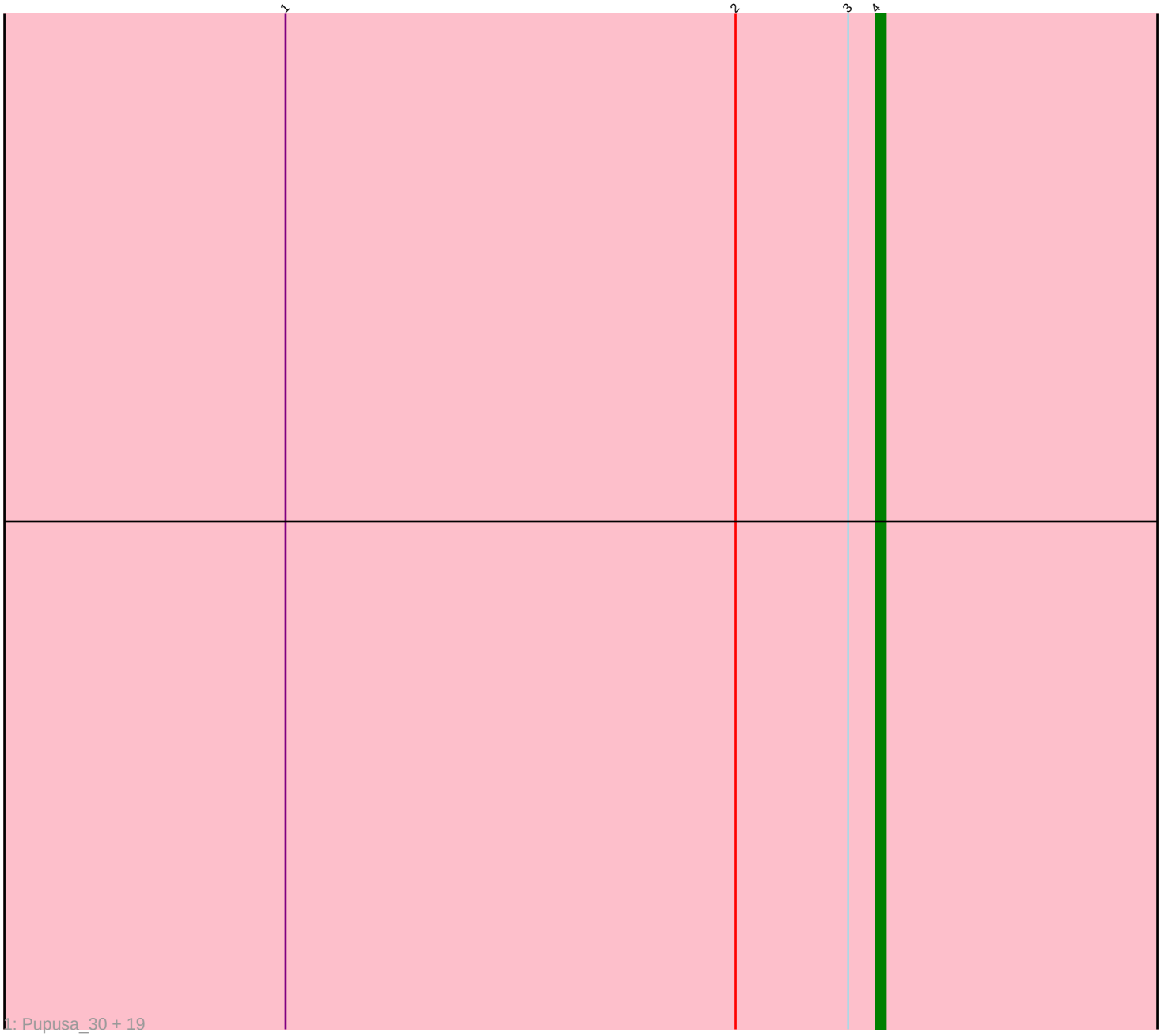
Pham 329443



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 329443 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329443 has 20 members, 15 are drafts.

Phages represented in each track:
• Track 1 : Pupusa_30, Bowman_26, Concombre_24, LookingGlass_27, JigglyPuff_25, EggyFarm_29, Demodog_23, PurduePete_24, Atlantean_24, JayJay_28, BigCity_29, Moiqah_19, Moby_19, SoilZilla_22, PharkleMinkus_31, Grasshills_29, SiwenD96_25, GoldenSnow_30, Maguvora_31, Tainan_30

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atlantean_24, BigCity_29, Bowman_26, Concombre_24, Demodog_23, EggyFarm_29, GoldenSnow_30, Grasshills_29, JayJay_28, JigglyPuff_25, LookingGlass_27, Maguvora_31, Moby_19, Moiqah_19, PharkleMinkus_31, Pupusa_30, PurduePete_24, SiwenD96_25, SoilZilla_22, Tainan_30,

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 4:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atlantean_24 (C1), BigCity_29 (C1), Bowman_26 (C1), Concombre_24 (C1), Demodog_23 (C1), EggyFarm_29 (C1), GoldenSnow_30 (C1), Grasshills_29 (C1), JayJay_28 (C1), JigglyPuff_25 (C1), LookingGlass_27 (C1), Maguvora_31 (C1), Moby_19 (C1), Moiqah_19 (C1), PharkleMinkus_31 (C1), Pupusa_30 (C1), PurduePete_24 (C1), SiwenD96_25 (C1), SoilZilla_22 (C1), Tainan_30 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 4 was manually annotated 5 times for cluster C1.

Gene Information:

Gene: Atlantean_24 Start: 7258, Stop: 7536, Start Num: 4
Candidate Starts for Atlantean_24:
(1, 7195), (2, 7243), (3, 7255), (Start: 4 @7258 has 5 MA's),

Gene: BigCity_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for BigCity_29:
(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 5 MA's),

Gene: Bowman_26 Start: 8332, Stop: 8616, Start Num: 4
Candidate Starts for Bowman_26:
(1, 8269), (2, 8317), (3, 8329), (Start: 4 @8332 has 5 MA's),

Gene: Concombre_24 Start: 8288, Stop: 8566, Start Num: 4
Candidate Starts for Concombre_24:
(1, 8225), (2, 8273), (3, 8285), (Start: 4 @8288 has 5 MA's),

Gene: Demodog_23 Start: 8288, Stop: 8566, Start Num: 4
Candidate Starts for Demodog_23:
(1, 8225), (2, 8273), (3, 8285), (Start: 4 @8288 has 5 MA's),

Gene: EggyFarm_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for EggyFarm_29:
(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 5 MA's),

Gene: GoldenSnow_30 Start: 9911, Stop: 10189, Start Num: 4
Candidate Starts for GoldenSnow_30:
(1, 9848), (2, 9896), (3, 9908), (Start: 4 @9911 has 5 MA's),

Gene: Grasshills_29 Start: 9318, Stop: 9596, Start Num: 4
Candidate Starts for Grasshills_29:
(1, 9255), (2, 9303), (3, 9315), (Start: 4 @9318 has 5 MA's),

Gene: JayJay_28 Start: 8309, Stop: 8587, Start Num: 4
Candidate Starts for JayJay_28:
(1, 8246), (2, 8294), (3, 8306), (Start: 4 @8309 has 5 MA's),

Gene: JigglyPuff_25 Start: 8337, Stop: 8615, Start Num: 4
Candidate Starts for JigglyPuff_25:
(1, 8274), (2, 8322), (3, 8334), (Start: 4 @8337 has 5 MA's),

Gene: LookingGlass_27 Start: 8577, Stop: 8855, Start Num: 4

Candidate Starts for LookingGlass_27:
(1, 8514), (2, 8562), (3, 8574), (Start: 4 @8577 has 5 MA's),

Gene: Maguvora_31 Start: 9913, Stop: 10191, Start Num: 4
Candidate Starts for Maguvora_31:
(1, 9850), (2, 9898), (3, 9910), (Start: 4 @9913 has 5 MA's),

Gene: Moby_19 Start: 5333, Stop: 5617, Start Num: 4
Candidate Starts for Moby_19:
(1, 5270), (2, 5318), (3, 5330), (Start: 4 @5333 has 5 MA's),

Gene: Moiqah_19 Start: 5333, Stop: 5617, Start Num: 4
Candidate Starts for Moiqah_19:
(1, 5270), (2, 5318), (3, 5330), (Start: 4 @5333 has 5 MA's),

Gene: PharkleMinkus_31 Start: 9912, Stop: 10190, Start Num: 4
Candidate Starts for PharkleMinkus_31:
(1, 9849), (2, 9897), (3, 9909), (Start: 4 @9912 has 5 MA's),

Gene: Pupusa_30 Start: 9911, Stop: 10189, Start Num: 4
Candidate Starts for Pupusa_30:
(1, 9848), (2, 9896), (3, 9908), (Start: 4 @9911 has 5 MA's),

Gene: PurduePete_24 Start: 8058, Stop: 8336, Start Num: 4
Candidate Starts for PurduePete_24:
(1, 7995), (2, 8043), (3, 8055), (Start: 4 @8058 has 5 MA's),

Gene: SiwenD96_25 Start: 8689, Stop: 8967, Start Num: 4
Candidate Starts for SiwenD96_25:
(1, 8626), (2, 8674), (3, 8686), (Start: 4 @8689 has 5 MA's),

Gene: SoilZilla_22 Start: 8046, Stop: 8324, Start Num: 4
Candidate Starts for SoilZilla_22:
(1, 7983), (2, 8031), (3, 8043), (Start: 4 @8046 has 5 MA's),

Gene: Tainan_30 Start: 9911, Stop: 10189, Start Num: 4
Candidate Starts for Tainan_30:
(1, 9848), (2, 9896), (3, 9908), (Start: 4 @9911 has 5 MA's),