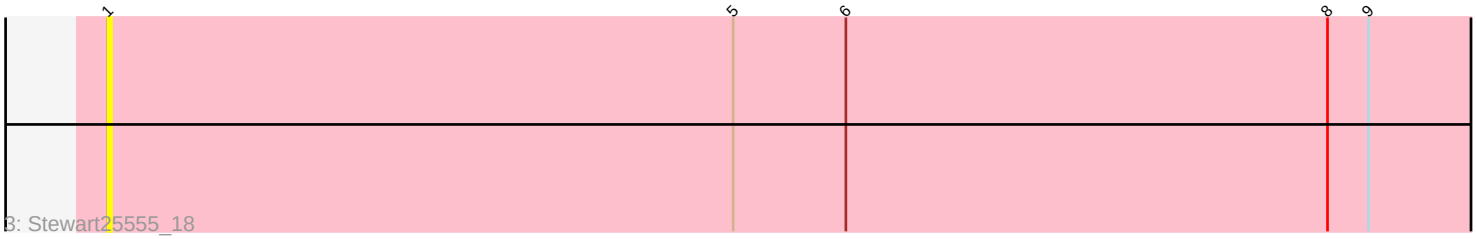
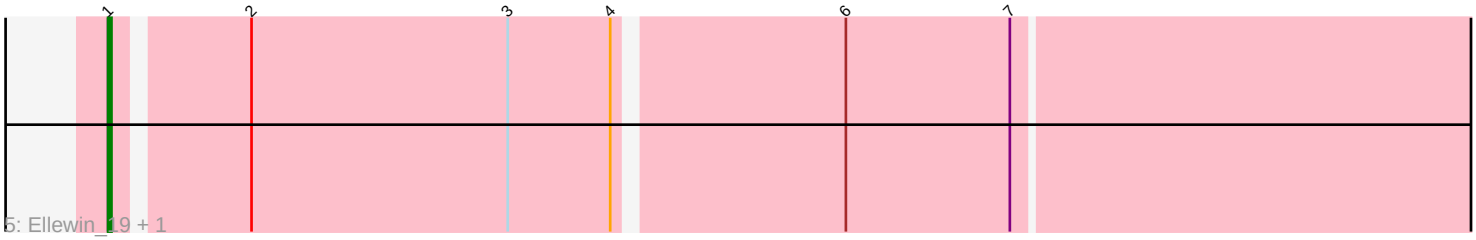
Pham 346232

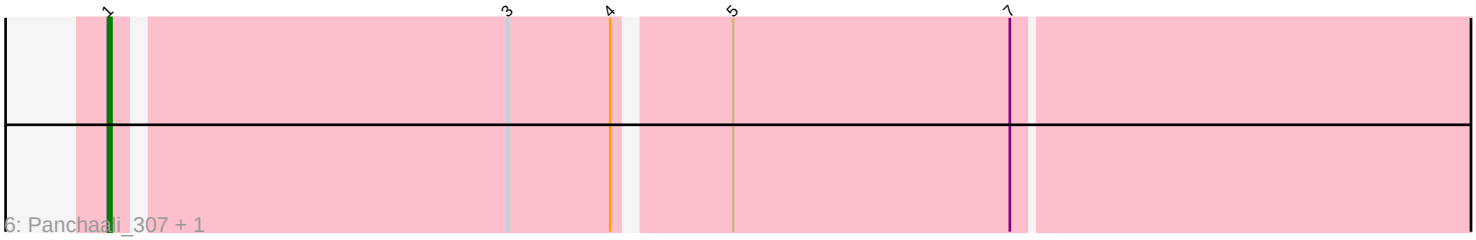

1
2
3
4
7
1: KSunshine22_20 + 1


1
2
3
4
7
2: Artu_20 + 1


1
5
6
8
9
3: Stewart25555_18


1
4
7
4: BooTeria_309 + 7


1
2
3
4
6
7
5: Ellewin_19 + 1


1
3
4
5
7
6: Panchaali_307 + 1

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 346232 Report

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

Pham number 346232 has 17 members, 5 are drafts.

Phages represented in each track:
• Track 1 : KSunshine22_20, KSunshine22_312
• Track 2 : Artu_20, Artu_307
• Track 3 : Stewart25555_18
• Track 4 : BooTeria_309, DunneganBoMo_20, BooTeria_20, DunneganBoMo_315, Emmetator_314, WaddleDee_310, WaddleDee_19, Emmetator_20
• Track 5 : Ellewin_19, Ellewin_312
• Track 6 : Panchaali_307, Panchaali_20

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_20, Artu_307, BooTeria_20, BooTeria_309, DunneganBoMo_20, DunneganBoMo_315, Ellewin_19, Ellewin_312, Emmetator_20, Emmetator_314, KSunshine22_20, KSunshine22_312, Panchaali_20, Panchaali_307, Stewart25555_18, WaddleDee_19, WaddleDee_310,

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 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_20 (FC), Artu_307 (FC), BooTeria_20 (FC), BooTeria_309 (FC), DunneganBoMo_20 (FC), DunneganBoMo_315 (FC), Ellewin_19 (FC), Ellewin_312 (FC), Emmetator_20 (FC),

Emmetator_314 (FC), KSunshine22_20 (FC), KSunshine22_312 (FC), Panchaali_20 (FC), Panchaali_307 (FC), Stewart25555_18 (FC), WaddleDee_19 (FC), WaddleDee_310 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 1 was manually annotated 12 times for cluster FC.

Gene Information:

Gene: Artu_20 Start: 8712, Stop: 9125, Start Num: 1
Candidate Starts for Artu_20:
(Start: 1 @8712 has 12 MA's), (2, 8748), (3, 8823), (4, 8853), (7, 8964),

Gene: Artu_307 Start: 187866, Stop: 188279, Start Num: 1
Candidate Starts for Artu_307:
(Start: 1 @187866 has 12 MA's), (2, 187902), (3, 187977), (4, 188007), (7, 188118),

Gene: BooTeria_309 Start: 188150, Stop: 188563, Start Num: 1
Candidate Starts for BooTeria_309:
(Start: 1 @188150 has 12 MA's), (4, 188291), (7, 188402),

Gene: BooTeria_20 Start: 9241, Stop: 9654, Start Num: 1
Candidate Starts for BooTeria_20:
(Start: 1 @9241 has 12 MA's), (4, 9382), (7, 9493),

Gene: DunneganBoMo_20 Start: 9227, Stop: 9640, Start Num: 1
Candidate Starts for DunneganBoMo_20:
(Start: 1 @9227 has 12 MA's), (4, 9368), (7, 9479),

Gene: DunneganBoMo_315 Start: 188639, Stop: 189052, Start Num: 1
Candidate Starts for DunneganBoMo_315:
(Start: 1 @188639 has 12 MA's), (4, 188780), (7, 188891),

Gene: Ellewin_19 Start: 9039, Stop: 9452, Start Num: 1
Candidate Starts for Ellewin_19:
(Start: 1 @9039 has 12 MA's), (2, 9075), (3, 9150), (4, 9180), (6, 9243), (7, 9291),

Gene: Ellewin_312 Start: 188153, Stop: 188566, Start Num: 1
Candidate Starts for Ellewin_312:
(Start: 1 @188153 has 12 MA's), (2, 188189), (3, 188264), (4, 188294), (6, 188357), (7, 188405),

Gene: Emmetator_314 Start: 187376, Stop: 187789, Start Num: 1
Candidate Starts for Emmetator_314:
(Start: 1 @187376 has 12 MA's), (4, 187517), (7, 187628),

Gene: Emmetator_20 Start: 9076, Stop: 9489, Start Num: 1
Candidate Starts for Emmetator_20:

(Start: 1 @9076 has 12 MA's), (4, 9217), (7, 9328),

Gene: KSunshine22_20 Start: 9566, Stop: 9979, Start Num: 1
Candidate Starts for KSunshine22_20:
(Start: 1 @9566 has 12 MA's), (2, 9602), (3, 9677), (4, 9707), (7, 9818),

Gene: KSunshine22_312 Start: 186467, Stop: 186880, Start Num: 1
Candidate Starts for KSunshine22_312:
(Start: 1 @186467 has 12 MA's), (2, 186503), (3, 186578), (4, 186608), (7, 186719),

Gene: Panchaali_307 Start: 187715, Stop: 188128, Start Num: 1
Candidate Starts for Panchaali_307:
(Start: 1 @187715 has 12 MA's), (3, 187826), (4, 187856), (5, 187886), (7, 187967),

Gene: Panchaali_20 Start: 8657, Stop: 9070, Start Num: 1
Candidate Starts for Panchaali_20:
(Start: 1 @8657 has 12 MA's), (3, 8768), (4, 8798), (5, 8828), (7, 8909),

Gene: Stewart25555_18 Start: 8845, Stop: 9264, Start Num: 1
Candidate Starts for Stewart25555_18:
(Start: 1 @8845 has 12 MA's), (5, 9028), (6, 9061), (8, 9202), (9, 9214),

Gene: WaddleDee_310 Start: 187167, Stop: 187580, Start Num: 1
Candidate Starts for WaddleDee_310:
(Start: 1 @187167 has 12 MA's), (4, 187308), (7, 187419),

Gene: WaddleDee_19 Start: 8972, Stop: 9385, Start Num: 1
Candidate Starts for WaddleDee_19:
(Start: 1 @8972 has 12 MA's), (4, 9113), (7, 9224),