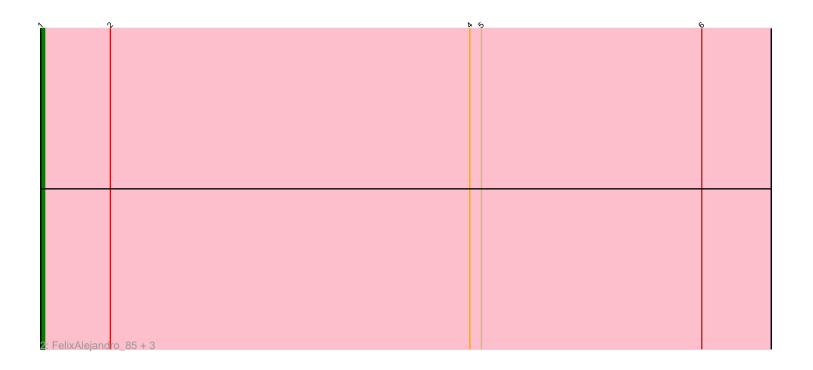# Pham 193107

1: Poland_85 + 4

2: FelixAlejandro_85 + 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 193107 Report

This analysis was run 11/02/24 on database version 579.

Pham number 193107 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Poland_85, Sombrero_82, CinnamonToast_85, Adgers_84, Msay19_85
• Track 2 : FelixAlejandro_85, Butterball_83, Boneham_84, BirksAndSocks_85

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

Genes that call this "Most Annotated" start:
• Adgers_84, BirksAndSocks_85, Boneham_84, Butterball_83, CinnamonToast_85, FelixAlejandro_85, Msay19_85, Poland_85, Sombrero_82,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adgers_84 (CS2), BirksAndSocks_85 (CS2), Boneham_84 (CS2), Butterball_83 (CS2), CinnamonToast_85 (CS2), FelixAlejandro_85 (CS2), Msay19_85 (CS2), Poland_85 (CS2), Sombrero_82 (CS2),

Summary by clusters:

There is one cluster represented in this pham: CS2

Info for manual annotations of cluster CS2:
•Start number 1 was manually annotated 8 times for cluster CS2.

Gene Information:

Gene: Adgers_84 Start: 62278, Stop: 62090, Start Num: 1
Candidate Starts for Adgers_84:
(Start: 1 @62278 has 8 MA's), (2, 62260), (3, 62230), (4, 62167), (5, 62164), (6, 62107),

Gene: BirksAndSocks_85 Start: 63721, Stop: 63533, Start Num: 1
Candidate Starts for BirksAndSocks_85:
(Start: 1 @63721 has 8 MA's), (2, 63703), (4, 63610), (5, 63607), (6, 63550),

Gene: Boneham_84 Start: 63646, Stop: 63458, Start Num: 1
Candidate Starts for Boneham_84:
(Start: 1 @63646 has 8 MA's), (2, 63628), (4, 63535), (5, 63532), (6, 63475),

Gene: Butterball_83 Start: 63651, Stop: 63463, Start Num: 1
Candidate Starts for Butterball_83:
(Start: 1 @63651 has 8 MA's), (2, 63633), (4, 63540), (5, 63537), (6, 63480),

Gene: CinnamonToast_85 Start: 63726, Stop: 63538, Start Num: 1
Candidate Starts for CinnamonToast_85:
(Start: 1 @63726 has 8 MA's), (2, 63708), (3, 63678), (4, 63615), (5, 63612), (6, 63555),

Gene: FelixAlejandro_85 Start: 64076, Stop: 63888, Start Num: 1
Candidate Starts for FelixAlejandro_85:
(Start: 1 @64076 has 8 MA's), (2, 64058), (4, 63965), (5, 63962), (6, 63905),

Gene: Msay19_85 Start: 63962, Stop: 63774, Start Num: 1
Candidate Starts for Msay19_85:
(Start: 1 @63962 has 8 MA's), (2, 63944), (3, 63914), (4, 63851), (5, 63848), (6, 63791),

Gene: Poland_85 Start: 63941, Stop: 63753, Start Num: 1
Candidate Starts for Poland_85:
(Start: 1 @63941 has 8 MA's), (2, 63923), (3, 63893), (4, 63830), (5, 63827), (6, 63770),

Gene: Sombrero_82 Start: 62152, Stop: 61964, Start Num: 1
Candidate Starts for Sombrero_82:
(Start: 1 @62152 has 8 MA's), (2, 62134), (3, 62104), (4, 62041), (5, 62038), (6, 61981),