Pham 196927

1: Gorko_13 + 10

2: CathyBurgh_13 + 1

3: BigShaq_13

4: Dakiti_13

5: Eggsie_13

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 196927 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196927 has 16 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Gorko_13, CinnamonToast_14, Butterball_13, Sombrero_13, RemRem_14, Monty_12, Msay19_14, FelixAlejandro_14, Exiguo_13, Poland_14, Barbochs_13
• Track 2 : CathyBurgh_13, Squibbles_13
• Track 3 : BigShaq_13
• Track 4 : Dakiti_13
• Track 5 : Eggsie_13

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Barbochs_13, Butterball_13, CathyBurgh_13, CinnamonToast_14, Dakiti_13, Exiguo_13, FelixAlejandro_14, Gorko_13, Monty_12, Msay19_14, Poland_14, RemRem_14, Sombrero_13, Squibbles_13,

Genes that have the "Most Annotated" start but do not call it:
• BigShaq_13, Eggsie_13,

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

Summary by start number:

Start 4:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Barbochs_13 (CS2), Butterball_13 (CS2), CathyBurgh_13 (CS2), CinnamonToast_14 (CS2), Dakiti_13 (CS2), Exiguo_13 (CS2), FelixAlejandro_14 (CS2), Gorko_13 (CS2), Monty_12 (CS2), Msay19_14 (CS2), Poland_14 (CS2), RemRem_14 (CS2), Sombrero_13 (CS2),

Squibbles_13 (CS2),

Start 5:
• Found in 3 of 16 (18.8%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BigShaq_13 (CS2), Eggsie_13 (CS2),

Summary by clusters:

There is one cluster represented in this pham: CS2

Info for manual annotations of cluster CS2:
•Start number 4 was manually annotated 10 times for cluster CS2.

Gene Information:
Gene: Barbochs_13 Start: 12484, Stop: 12735, Start Num: 4
Candidate Starts for Barbochs_13:
(3, 12430), (Start: 4 @12484 has 10 MA's), (6, 12565), (7, 12628), (8, 12706),

Gene: BigShaq_13 Start: 12531, Stop: 12737, Start Num: 5
Candidate Starts for BigShaq_13:
(1, 12315), (2, 12336), (3, 12432), (Start: 4 @12486 has 10 MA's), (5, 12531), (6, 12567), (7, 12630),
(8, 12708),

Gene: Butterball_13 Start: 12480, Stop: 12731, Start Num: 4
Candidate Starts for Butterball_13:
(3, 12426), (Start: 4 @12480 has 10 MA's), (6, 12561), (7, 12624), (8, 12702),

Gene: CathyBurgh_13 Start: 13352, Stop: 13603, Start Num: 4
Candidate Starts for CathyBurgh_13:
(3, 13298), (Start: 4 @13352 has 10 MA's), (6, 13433), (7, 13496), (8, 13574),

Gene: CinnamonToast_14 Start: 12516, Stop: 12767, Start Num: 4
Candidate Starts for CinnamonToast_14:
(3, 12462), (Start: 4 @12516 has 10 MA's), (6, 12597), (7, 12660), (8, 12738),

Gene: Dakiti_13 Start: 13354, Stop: 13605, Start Num: 4
Candidate Starts for Dakiti_13:
(3, 13300), (Start: 4 @13354 has 10 MA's), (5, 13399), (6, 13435), (7, 13498), (8, 13576),

Gene: Eggsie_13 Start: 12542, Stop: 12748, Start Num: 5
Candidate Starts for Eggsie_13:
(1, 12326), (2, 12347), (3, 12443), (Start: 4 @12497 has 10 MA's), (5, 12542), (7, 12641), (8, 12719),

Gene: Exiguo_13 Start: 12492, Stop: 12743, Start Num: 4
Candidate Starts for Exiguo_13:
(3, 12438), (Start: 4 @12492 has 10 MA's), (6, 12573), (7, 12636), (8, 12714),

Gene: FelixAlejandro_14 Start: 12678, Stop: 12929, Start Num: 4

Candidate Starts for FelixAlejandro_14:
(3, 12624), (Start: 4 @12678 has 10 MA's), (6, 12759), (7, 12822), (8, 12900),

Gene: Gorko_13 Start: 12484, Stop: 12735, Start Num: 4
Candidate Starts for Gorko_13:
(3, 12430), (Start: 4 @12484 has 10 MA's), (6, 12565), (7, 12628), (8, 12706),

Gene: Monty_12 Start: 12496, Stop: 12747, Start Num: 4
Candidate Starts for Monty_12:
(3, 12442), (Start: 4 @12496 has 10 MA's), (6, 12577), (7, 12640), (8, 12718),

Gene: Msay19_14 Start: 12670, Stop: 12921, Start Num: 4
Candidate Starts for Msay19_14:
(3, 12616), (Start: 4 @12670 has 10 MA's), (6, 12751), (7, 12814), (8, 12892),

Gene: Poland_14 Start: 12646, Stop: 12897, Start Num: 4
Candidate Starts for Poland_14:
(3, 12592), (Start: 4 @12646 has 10 MA's), (6, 12727), (7, 12790), (8, 12868),

Gene: RemRem_14 Start: 12492, Stop: 12743, Start Num: 4
Candidate Starts for RemRem_14:
(3, 12438), (Start: 4 @12492 has 10 MA's), (6, 12573), (7, 12636), (8, 12714),

Gene: Sombrero_13 Start: 12526, Stop: 12777, Start Num: 4
Candidate Starts for Sombrero_13:
(3, 12472), (Start: 4 @12526 has 10 MA's), (6, 12607), (7, 12670), (8, 12748),

Gene: Squibbles_13 Start: 13352, Stop: 13603, Start Num: 4
Candidate Starts for Squibbles_13:
(3, 13298), (Start: 4 @13352 has 10 MA's), (6, 13433), (7, 13496), (8, 13574),