Pham 203524

1: Breezic_53 + 4

2: BirksAndSocks_58 + 2

3: Adgers_55

4: PokyPuppy_52

5: CinnamonToast_59

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 203524 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203524 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Breezic_53, Monty_52, Hotorobo_53, RemRem_54, Lizzo_53
• Track 2 : BirksAndSocks_58, GourdThymes_53, Boneham_57
• Track 3 : Adgers_55
• Track 4 : PokyPuppy_52
• Track 5 : CinnamonToast_59

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

The start number called the most often in the published annotations is 10, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adgers_55, BirksAndSocks_58, Boneham_57, Breezic_53, CinnamonToast_59, GourdThymes_53, Hotorobo_53, Lizzo_53, Monty_52, PokyPuppy_52, RemRem_54,

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 10:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adgers_55 (CS2), BirksAndSocks_58 (CS2), Boneham_57 (CS2), Breezic_53 (CS2), CinnamonToast_59 (CS2), GourdThymes_53 (CS2), Hotorobo_53 (CS2), Lizzo_53 (CS2), Monty_52 (CS2), PokyPuppy_52 (CS2), RemRem_54 (CS2),

Summary by clusters:

There is one cluster represented in this pham: CS2

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

Gene Information:

Gene: Adgers_55 Start: 47608, Stop: 47459, Start Num: 10
Candidate Starts for Adgers_55:
(1, 47914), (2, 47890), (3, 47854), (4, 47851), (5, 47830), (7, 47719), (9, 47665), (Start: 10 @47608 has 10 MA's), (11, 47557), (12, 47506),

Gene: BirksAndSocks_58 Start: 49472, Stop: 49317, Start Num: 10
Candidate Starts for BirksAndSocks_58:
(2, 49754), (4, 49715), (5, 49694), (7, 49583), (9, 49529), (Start: 10 @49472 has 10 MA's), (11, 49421), (12, 49370),

Gene: Boneham_57 Start: 49373, Stop: 49218, Start Num: 10
Candidate Starts for Boneham_57:
(2, 49655), (4, 49616), (5, 49595), (7, 49484), (9, 49430), (Start: 10 @49373 has 10 MA's), (11, 49322), (12, 49271),

Gene: Breezic_53 Start: 47365, Stop: 47210, Start Num: 10
Candidate Starts for Breezic_53:
(1, 47671), (2, 47647), (4, 47608), (5, 47587), (7, 47476), (9, 47422), (Start: 10 @47365 has 10 MA's), (11, 47314), (12, 47263),

Gene: CinnamonToast_59 Start: 49432, Stop: 49277, Start Num: 10
Candidate Starts for CinnamonToast_59:
(4, 49675), (5, 49654), (6, 49579), (7, 49543), (8, 49534), (9, 49489), (Start: 10 @49432 has 10 MA's), (11, 49381), (12, 49330),

Gene: GourdThymes_53 Start: 47948, Stop: 47793, Start Num: 10
Candidate Starts for GourdThymes_53:
(2, 48230), (4, 48191), (5, 48170), (7, 48059), (9, 48005), (Start: 10 @47948 has 10 MA's), (11, 47897), (12, 47846),

Gene: Hotorobo_53 Start: 47953, Stop: 47798, Start Num: 10
Candidate Starts for Hotorobo_53:
(1, 48259), (2, 48235), (4, 48196), (5, 48175), (7, 48064), (9, 48010), (Start: 10 @47953 has 10 MA's), (11, 47902), (12, 47851),

Gene: Lizzo_53 Start: 47942, Stop: 47787, Start Num: 10
Candidate Starts for Lizzo_53:
(1, 48248), (2, 48224), (4, 48185), (5, 48164), (7, 48053), (9, 47999), (Start: 10 @47942 has 10 MA's), (11, 47891), (12, 47840),

Gene: Monty_52 Start: 47092, Stop: 46937, Start Num: 10
Candidate Starts for Monty_52:
(1, 47398), (2, 47374), (4, 47335), (5, 47314), (7, 47203), (9, 47149), (Start: 10 @47092 has 10 MA's), (11, 47041), (12, 46990),

Gene: PokyPuppy_52 Start: 48400, Stop: 48245, Start Num: 10
Candidate Starts for PokyPuppy_52:
(Start: 10 @48400 has 10 MA's), (11, 48352),

Gene: RemRem_54 Start: 47082, Stop: 46927, Start Num: 10
Candidate Starts for RemRem_54:
(1, 47388), (2, 47364), (4, 47325), (5, 47304), (7, 47193), (9, 47139), (Start: 10 @47082 has 10 MA's),
(11, 47031), (12, 46980),