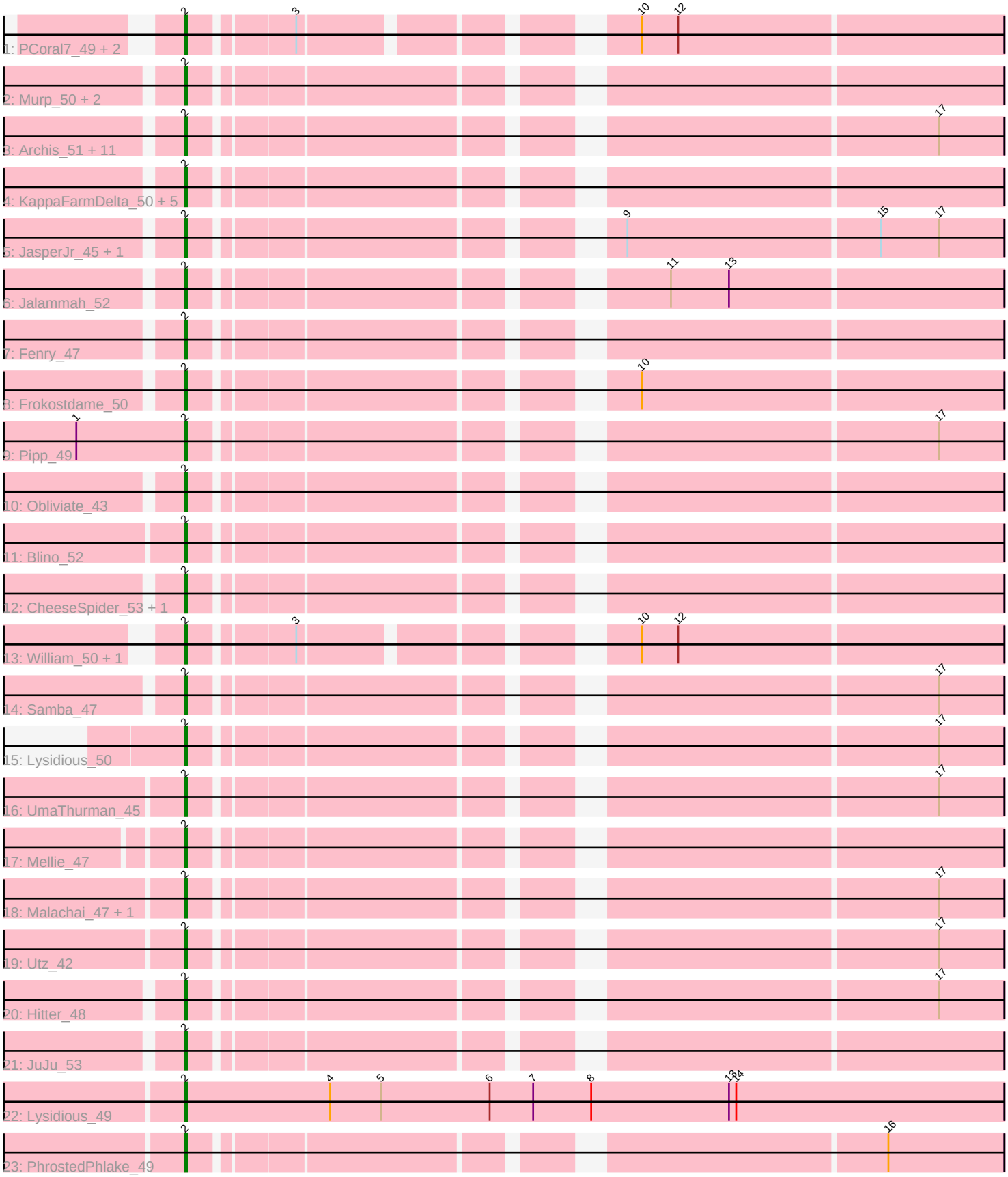
Pham 347743


1: PCoral7_49 + 2
2: Murp_50 + 2
3: Archis_51 + 11
4: KappaFarmDelta_50 + 5
5: JasperJr_45 + 1
6: Jalammah_52
7: Fenry_47
8: Frokostdame_50
9: Pipp_49
10: Obliviate_43
11: Blino_52
12: CheeseSpider_53 + 1
13: William_50 + 1
14: Samba_47
15: Lysidious_50
16: UmaThurman_45
17: Mellie_47
18: Malachai_47 + 1
19: Utz_42
20: Hitter_48
21: JuJu_53
22: Lysidious_49
23: PhrostedPhlake_49

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 347743 Report

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

Pham number 347743 has 47 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PCoral7_49, Toast_49, Fairfaxidum_50
• Track 2 : Murp_50, Soilmate_54, CarolAnn_51
• Track 3 : Archis_51, Melba_47, CaptainKirk2_48, Zilla_46, Petra_44, BlingBling_45, Zarbodnamra_47, Barco_46, Wisp_46, MintFen_48, Delian_51, Walrus_46
• Track 4 : KappaFarmDelta_50, Azula_50, Blueberry_49, MissRona_50, ZiggyZoo_49, Gambino_52
• Track 5 : JasperJr_45, Guacamole_45
• Track 6 : Jalammah_52
• Track 7 : Fenry_47
• Track 8 : Frokostdame_50
• Track 9 : Pipp_49
• Track 10 : Obliviate_43
• Track 11 : Blino_52
• Track 12 : CheeseSpider_53, Wocket_49
• Track 13 : William_50, PrincePatrick_48
• Track 14 : Samba_47
• Track 15 : Lysidious_50
• Track 16 : UmaThurman_45
• Track 17 : Mellie_47
• Track 18 : Malachai_47, Begonia_47
• Track 19 : Utz_42
• Track 20 : Hitter_48
• Track 21 : JuJu_53
• Track 22 : Lysidious_49
• Track 23 : PhrostedPhlake_49

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

The start number called the most often in the published annotations is 2, it was called in 46 of the 46 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archis_51, Azula_50, Barco_46, Begonia_47, BlingBling_45, Blino_52, Blueberry_49, CaptainKirk2_48, CarolAnn_51, CheeseSpider_53, Delian_51,

Fairfaxidum_50, Fenry_47, Frokostdame_50, Gambino_52, Guacamole_45, Hitter_48, Jalammah_52, JasperJr_45, JuJu_53, KappaFarmDelta_50, Lysidious_49, Lysidious_50, Malachai_47, Melba_47, Mellie_47, MintFen_48, MissRona_50, Murp_50, Obliviate_43, PCoral7_49, Petra_44, PhrostedPhlake_49, Pipp_49, PrincePatrick_48, Samba_47, Soilmate_54, Toast_49, UmaThurman_45, Utz_42, Walrus_46, William_50, Wisp_46, Wocket_49, Zarbodnamra_47, ZiggyZoo_49, Zilla_46,

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 2:
• Found in 47 of 47 (100.0%) of genes in pham
• Manual Annotations of this start: 46 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archis_51 (CV), Azula_50 (CV), Barco_46 (CV), Begonia_47 (CV), BlingBling_45 (CV), Blino_52 (CV), Blueberry_49 (CV), CaptainKirk2_48 (CV), CarolAnn_51 (CV), CheeseSpider_53 (CV), Delian_51 (CV), Fairfaxidum_50 (CV), Fenry_47 (CV), Frokostdame_50 (CV), Gambino_52 (CV), Guacamole_45 (CV), Hitter_48 (CV), Jalammah_52 (CV), JasperJr_45 (CV), JuJu_53 (CV), KappaFarmDelta_50 (CV), Lysidious_49 (CV), Lysidious_50 (CV), Malachai_47 (CV), Melba_47 (CV), Mellie_47 (CV), MintFen_48 (CV), MissRona_50 (CV), Murp_50 (CV), Obliviate_43 (CV), PCoral7_49 (CV), Petra_44 (CV), PhrostedPhlake_49 (CV), Pipp_49 (CV), PrincePatrick_48 (CV), Samba_47 (CV), Soilmate_54 (CV), Toast_49 (CV), UmaThurman_45 (CV), Utz_42 (CV), Walrus_46 (CV), William_50 (CV), Wisp_46 (CV), Wocket_49 (CV), Zarbodnamra_47 (CV), ZiggyZoo_49 (CV), Zilla_46 (CV),

Summary by clusters:

There is one cluster represented in this pham: CV

Info for manual annotations of cluster CV:
•Start number 2 was manually annotated 46 times for cluster CV.

Gene Information:

Gene: Archis_51 Start: 34604, Stop: 34906, Start Num: 2
Candidate Starts for Archis_51:
(Start: 2 @34604 has 46 MA's), (17, 34880),

Gene: Azula_50 Start: 36509, Stop: 36811, Start Num: 2
Candidate Starts for Azula_50:
(Start: 2 @36509 has 46 MA's),

Gene: Barco_46 Start: 33654, Stop: 33956, Start Num: 2

Candidate Starts for Barco_46:
(Start: 2 @33654 has 46 MA's), (17, 33930),

Gene: Begonia_47 Start: 36633, Stop: 36935, Start Num: 2
Candidate Starts for Begonia_47:
(Start: 2 @36633 has 46 MA's), (17, 36909),

Gene: BlingBling_45 Start: 34617, Stop: 34919, Start Num: 2
Candidate Starts for BlingBling_45:
(Start: 2 @34617 has 46 MA's), (17, 34893),

Gene: Blino_52 Start: 39811, Stop: 40113, Start Num: 2
Candidate Starts for Blino_52:
(Start: 2 @39811 has 46 MA's),

Gene: Blueberry_49 Start: 36509, Stop: 36811, Start Num: 2
Candidate Starts for Blueberry_49:
(Start: 2 @36509 has 46 MA's),

Gene: CaptainKirk2_48 Start: 33902, Stop: 34204, Start Num: 2
Candidate Starts for CaptainKirk2_48:
(Start: 2 @33902 has 46 MA's), (17, 34178),

Gene: CarolAnn_51 Start: 39810, Stop: 40112, Start Num: 2
Candidate Starts for CarolAnn_51:
(Start: 2 @39810 has 46 MA's),

Gene: CheeseSpider_53 Start: 35584, Stop: 35886, Start Num: 2
Candidate Starts for CheeseSpider_53:
(Start: 2 @35584 has 46 MA's),

Gene: Delian_51 Start: 33900, Stop: 34202, Start Num: 2
Candidate Starts for Delian_51:
(Start: 2 @33900 has 46 MA's), (17, 34176),

Gene: Fairfaxidum_50 Start: 36644, Stop: 36940, Start Num: 2
Candidate Starts for Fairfaxidum_50:
(Start: 2 @36644 has 46 MA's), (3, 36683), (10, 36794), (12, 36809),

Gene: Fenry_47 Start: 35697, Stop: 35999, Start Num: 2
Candidate Starts for Fenry_47:
(Start: 2 @35697 has 46 MA's),

Gene: Frokostdame_50 Start: 36320, Stop: 36622, Start Num: 2
Candidate Starts for Frokostdame_50:
(Start: 2 @36320 has 46 MA's), (10, 36476),

Gene: Gambino_52 Start: 36509, Stop: 36811, Start Num: 2
Candidate Starts for Gambino_52:
(Start: 2 @36509 has 46 MA's),

Gene: Guacamole_45 Start: 34051, Stop: 34353, Start Num: 2
Candidate Starts for Guacamole_45:

(Start: 2 @34051 has 46 MA's), (9, 34201), (15, 34303), (17, 34327),

Gene: Hitter_48 Start: 33696, Stop: 33998, Start Num: 2
Candidate Starts for Hitter_48:
(Start: 2 @33696 has 46 MA's), (17, 33972),

Gene: Jalammah_52 Start: 37013, Stop: 37315, Start Num: 2
Candidate Starts for Jalammah_52:
(Start: 2 @37013 has 46 MA's), (11, 37181), (13, 37205),

Gene: JasperJr_45 Start: 34051, Stop: 34353, Start Num: 2
Candidate Starts for JasperJr_45:
(Start: 2 @34051 has 46 MA's), (9, 34201), (15, 34303), (17, 34327),

Gene: JuJu_53 Start: 37667, Stop: 37969, Start Num: 2
Candidate Starts for JuJu_53:
(Start: 2 @37667 has 46 MA's),

Gene: KappaFarmDelta_50 Start: 34633, Stop: 34935, Start Num: 2
Candidate Starts for KappaFarmDelta_50:
(Start: 2 @34633 has 46 MA's),

Gene: Lysidious_50 Start: 36410, Stop: 36712, Start Num: 2
Candidate Starts for Lysidious_50:
(Start: 2 @36410 has 46 MA's), (17, 36686),

Gene: Lysidious_49 Start: 36075, Stop: 36413, Start Num: 2
Candidate Starts for Lysidious_49:
(Start: 2 @36075 has 46 MA's), (4, 36135), (5, 36156), (6, 36201), (7, 36219), (8, 36243), (13, 36300), (14, 36303),

Gene: Malachai_47 Start: 36633, Stop: 36935, Start Num: 2
Candidate Starts for Malachai_47:
(Start: 2 @36633 has 46 MA's), (17, 36909),

Gene: Melba_47 Start: 34442, Stop: 34744, Start Num: 2
Candidate Starts for Melba_47:
(Start: 2 @34442 has 46 MA's), (17, 34718),

Gene: Mellie_47 Start: 34525, Stop: 34827, Start Num: 2
Candidate Starts for Mellie_47:
(Start: 2 @34525 has 46 MA's),

Gene: MintFen_48 Start: 34516, Stop: 34818, Start Num: 2
Candidate Starts for MintFen_48:
(Start: 2 @34516 has 46 MA's), (17, 34792),

Gene: MissRona_50 Start: 36510, Stop: 36812, Start Num: 2
Candidate Starts for MissRona_50:
(Start: 2 @36510 has 46 MA's),

Gene: Murp_50 Start: 38079, Stop: 38381, Start Num: 2
Candidate Starts for Murp_50:

(Start: 2 @38079 has 46 MA's),

Gene: Obliviate_43 Start: 32292, Stop: 32594, Start Num: 2
Candidate Starts for Obliviate_43:
(Start: 2 @32292 has 46 MA's),

Gene: PCoral7_49 Start: 36061, Stop: 36357, Start Num: 2
Candidate Starts for PCoral7_49:
(Start: 2 @36061 has 46 MA's), (3, 36100), (10, 36211), (12, 36226),

Gene: Petra_44 Start: 32650, Stop: 32952, Start Num: 2
Candidate Starts for Petra_44:
(Start: 2 @32650 has 46 MA's), (17, 32926),

Gene: PhrostedPhlake_49 Start: 33964, Stop: 34266, Start Num: 2
Candidate Starts for PhrostedPhlake_49:
(Start: 2 @33964 has 46 MA's), (16, 34219),

Gene: Pipp_49 Start: 34709, Stop: 35011, Start Num: 2
Candidate Starts for Pipp_49:
(1, 34664), (Start: 2 @34709 has 46 MA's), (17, 34985),

Gene: PrincePatrick_48 Start: 34416, Stop: 34712, Start Num: 2
Candidate Starts for PrincePatrick_48:
(Start: 2 @34416 has 46 MA's), (3, 34455), (10, 34566), (12, 34581),

Gene: Samba_47 Start: 36729, Stop: 37031, Start Num: 2
Candidate Starts for Samba_47:
(Start: 2 @36729 has 46 MA's), (17, 37005),

Gene: Soilmate_54 Start: 39810, Stop: 40112, Start Num: 2
Candidate Starts for Soilmate_54:
(Start: 2 @39810 has 46 MA's),

Gene: Toast_49 Start: 36061, Stop: 36357, Start Num: 2
Candidate Starts for Toast_49:
(Start: 2 @36061 has 46 MA's), (3, 36100), (10, 36211), (12, 36226),

Gene: UmaThurman_45 Start: 34786, Stop: 35088, Start Num: 2
Candidate Starts for UmaThurman_45:
(Start: 2 @34786 has 46 MA's), (17, 35062),

Gene: Utz_42 Start: 35422, Stop: 35724, Start Num: 2
Candidate Starts for Utz_42:
(Start: 2 @35422 has 46 MA's), (17, 35698),

Gene: Walrus_46 Start: 33825, Stop: 34127, Start Num: 2
Candidate Starts for Walrus_46:
(Start: 2 @33825 has 46 MA's), (17, 34101),

Gene: William_50 Start: 36100, Stop: 36396, Start Num: 2
Candidate Starts for William_50:
(Start: 2 @36100 has 46 MA's), (3, 36139), (10, 36250), (12, 36265),

Gene: Wisp_46 Start: 35650, Stop: 35952, Start Num: 2
Candidate Starts for Wisp_46:
(Start: 2 @35650 has 46 MA's), (17, 35926),

Gene: Wocket_49 Start: 34800, Stop: 35102, Start Num: 2
Candidate Starts for Wocket_49:
(Start: 2 @34800 has 46 MA's),

Gene: Zarbodnamra_47 Start: 33924, Stop: 34226, Start Num: 2
Candidate Starts for Zarbodnamra_47:
(Start: 2 @33924 has 46 MA's), (17, 34200),

Gene: ZiggyZoo_49 Start: 36697, Stop: 36999, Start Num: 2
Candidate Starts for ZiggyZoo_49:
(Start: 2 @36697 has 46 MA's),

Gene: Zilla_46 Start: 33671, Stop: 33973, Start Num: 2
Candidate Starts for Zilla_46:
(Start: 2 @33671 has 46 MA's), (17, 33947),