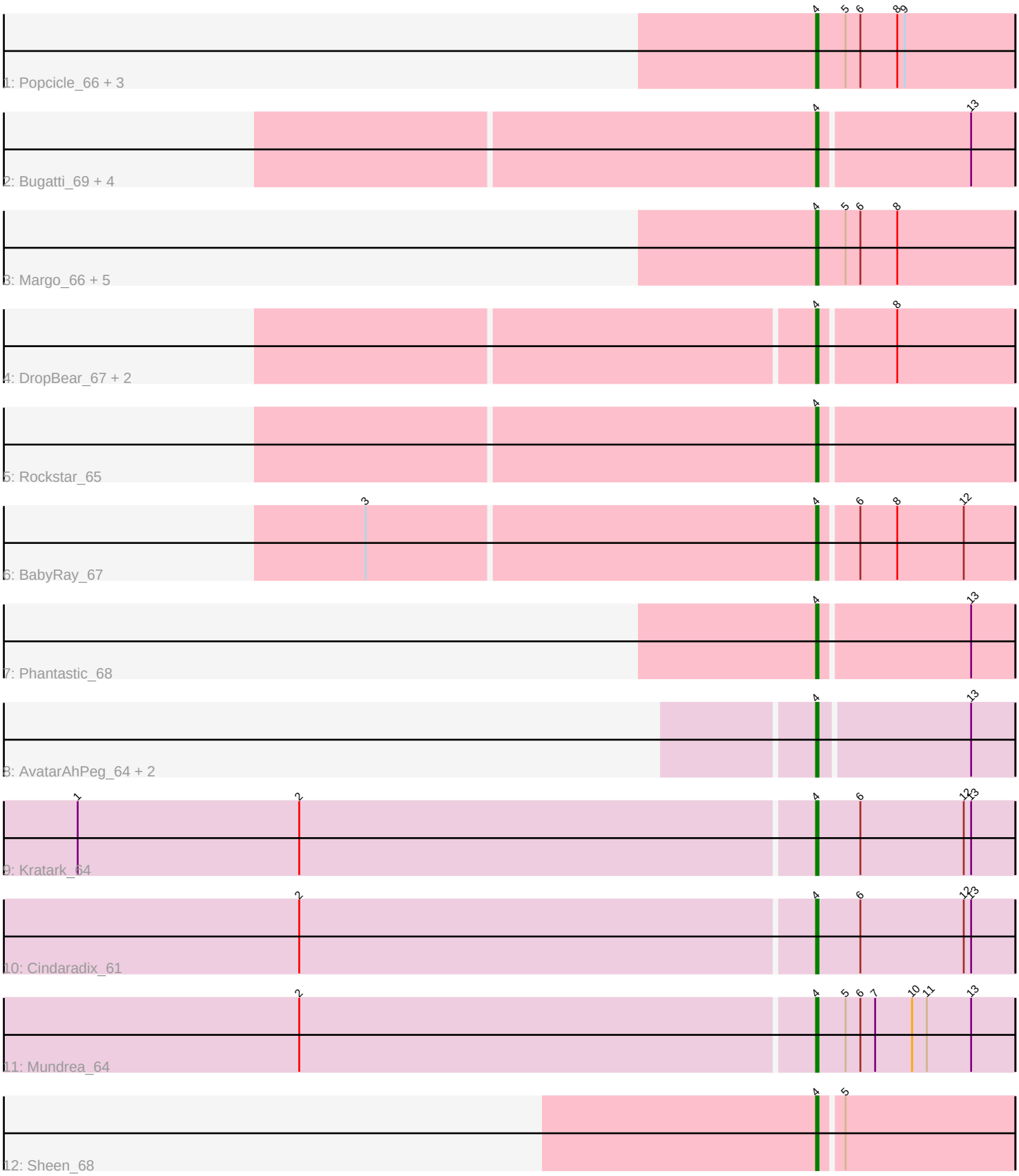
Pham 342452


1: Popcicle_66 + 3
2: Bugatti_69 + 4
3: Margo_66 + 5
4: DropBear_67 + 2
5: Rockstar_65
6: BabyRay_67
7: Phantastic_68
8: AvatarAhPeg_64 + 2
9: Kratark_64
10: Cindaradix_61
11: Mundrea_64
12: Sheen_68

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 342452 Report

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

Pham number 342452 has 28 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Popcicle_66, QuinnKiro_65, Panamaxus_64, Todacoro_66
• Track 2 : Bugatti_69, Puppy_67, Idleandcovert_67, BlueBird_69, Giroux_69
• Track 3 : Margo_66, Texage_64, Hookmount_66, Caviar_66, Lambert1_66, Noella_66
• Track 4 : DropBear_67, HelDan_66, Kachowdy_67
• Track 5 : Rockstar_65
• Track 6 : BabyRay_67
• Track 7 : Phantastic_68
• Track 8 : AvatarAhPeg_64, Miramae_64, Stink_64
• Track 9 : Kratark_64
• Track 10 : Cindaradix_61
• Track 11 : Mundrea_64
• Track 12 : Sheen_68

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AvatarAhPeg_64, BabyRay_67, BlueBird_69, Bugatti_69, Caviar_66, Cindaradix_61, DropBear_67, Giroux_69, HelDan_66, Hookmount_66, Idleandcovert_67, Kachowdy_67, Kratark_64, Lambert1_66, Margo_66, Miramae_64, Mundrea_64, Noella_66, Panamaxus_64, Phantastic_68, Popcicle_66, Puppy_67, QuinnKiro_65, Rockstar_65, Sheen_68, Stink_64, Texage_64, Todacoro_66,

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 4:
• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 28 of 28
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AvatarAhPeg_64 (A4), BabyRay_67 (A3), BlueBird_69 (A3), Bugatti_69 (A3), Caviar_66 (A3), Cindaradix_61 (A4), DropBear_67 (A3), Giroux_69 (A3), HelDan_66 (A3), Hookmount_66 (A3), Idleandcovert_67 (A3), Kachowdy_67 (A3), Kratark_64 (A4), Lambert1_66 (A3), Margo_66 (A3), Miramae_64 (A4), Mundrea_64 (A4), Noella_66 (A3), Panamaxus_64 (A3), Phantastic_68 (A3), Popcicle_66 (A3), Puppy_67 (A3), QuinnKiro_65 (A3), Rockstar_65 (A3), Sheen_68 (A7), Stink_64 (A4), Texage_64 (A3), Todacoro_66 (A3),

Summary by clusters:

There are 3 clusters represented in this pham: A3, A4, A7,

Info for manual annotations of cluster A3:
•Start number 4 was manually annotated 21 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 4 was manually annotated 6 times for cluster A4.

Info for manual annotations of cluster A7:
•Start number 4 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: AvatarAhPeg_64 Start: 42105, Stop: 42028, Start Num: 4
Candidate Starts for AvatarAhPeg_64:
(Start: 4 @42105 has 28 MA's), (13, 42045),

Gene: BabyRay_67 Start: 41792, Stop: 41715, Start Num: 4
Candidate Starts for BabyRay_67:
(3, 41972), (Start: 4 @41792 has 28 MA's), (6, 41777), (8, 41762), (12, 41735),

Gene: BlueBird_69 Start: 41839, Stop: 41762, Start Num: 4
Candidate Starts for BlueBird_69:
(Start: 4 @41839 has 28 MA's), (13, 41779),

Gene: Bugatti_69 Start: 41839, Stop: 41762, Start Num: 4
Candidate Starts for Bugatti_69:
(Start: 4 @41839 has 28 MA's), (13, 41779),

Gene: Caviar_66 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Caviar_66:
(Start: 4 @41792 has 28 MA's), (5, 41780), (6, 41774), (8, 41759),

Gene: Cindaradix_61 Start: 41847, Stop: 41767, Start Num: 4
Candidate Starts for Cindaradix_61:
(2, 42054), (Start: 4 @41847 has 28 MA's), (6, 41829), (12, 41787), (13, 41784),

Gene: DropBear_67 Start: 41741, Stop: 41664, Start Num: 4
Candidate Starts for DropBear_67:
(Start: 4 @41741 has 28 MA's), (8, 41711),

Gene: Giroux_69 Start: 41838, Stop: 41761, Start Num: 4
Candidate Starts for Giroux_69:
(Start: 4 @41838 has 28 MA's), (13, 41778),

Gene: HelDan_66 Start: 41746, Stop: 41669, Start Num: 4
Candidate Starts for HelDan_66:
(Start: 4 @41746 has 28 MA's), (8, 41716),

Gene: Hookmount_66 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Hookmount_66:
(Start: 4 @41793 has 28 MA's), (5, 41781), (6, 41775), (8, 41760),

Gene: Idleandcovert_67 Start: 41839, Stop: 41762, Start Num: 4
Candidate Starts for Idleandcovert_67:
(Start: 4 @41839 has 28 MA's), (13, 41779),

Gene: Kachowdy_67 Start: 41782, Stop: 41705, Start Num: 4
Candidate Starts for Kachowdy_67:
(Start: 4 @41782 has 28 MA's), (8, 41752),

Gene: Kratark_64 Start: 41982, Stop: 41902, Start Num: 4
Candidate Starts for Kratark_64:
(1, 42279), (2, 42189), (Start: 4 @41982 has 28 MA's), (6, 41964), (12, 41922), (13, 41919),

Gene: Lambert1_66 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Lambert1_66:
(Start: 4 @41792 has 28 MA's), (5, 41780), (6, 41774), (8, 41759),

Gene: Margo_66 Start: 41818, Stop: 41738, Start Num: 4
Candidate Starts for Margo_66:
(Start: 4 @41818 has 28 MA's), (5, 41806), (6, 41800), (8, 41785),

Gene: Miramae_64 Start: 41767, Stop: 41690, Start Num: 4
Candidate Starts for Miramae_64:
(Start: 4 @41767 has 28 MA's), (13, 41707),

Gene: Mundrea_64 Start: 42235, Stop: 42155, Start Num: 4
Candidate Starts for Mundrea_64:
(2, 42442), (Start: 4 @42235 has 28 MA's), (5, 42223), (6, 42217), (7, 42211), (10, 42196), (11, 42190), (13, 42172),

Gene: Noella_66 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Noella_66:
(Start: 4 @41793 has 28 MA's), (5, 41781), (6, 41775), (8, 41760),

Gene: Panamaxus_64 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Panamaxus_64:
(Start: 4 @41792 has 28 MA's), (5, 41780), (6, 41774), (8, 41759), (9, 41756),

Gene: Phantastic_68 Start: 41454, Stop: 41377, Start Num: 4
Candidate Starts for Phantastic_68:
(Start: 4 @41454 has 28 MA's), (13, 41394),

Gene: Popcicle_66 Start: 41789, Stop: 41709, Start Num: 4
Candidate Starts for Popcicle_66:
(Start: 4 @41789 has 28 MA's), (5, 41777), (6, 41771), (8, 41756), (9, 41753),

Gene: Puppy_67 Start: 41458, Stop: 41381, Start Num: 4
Candidate Starts for Puppy_67:
(Start: 4 @41458 has 28 MA's), (13, 41398),

Gene: QuinnKiro_65 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for QuinnKiro_65:
(Start: 4 @41792 has 28 MA's), (5, 41780), (6, 41774), (8, 41759), (9, 41756),

Gene: Rockstar_65 Start: 41280, Stop: 41203, Start Num: 4
Candidate Starts for Rockstar_65:
(Start: 4 @41280 has 28 MA's),

Gene: Sheen_68 Start: 45498, Stop: 45421, Start Num: 4
Candidate Starts for Sheen_68:
(Start: 4 @45498 has 28 MA's), (5, 45489),

Gene: Stink_64 Start: 42047, Stop: 41970, Start Num: 4
Candidate Starts for Stink_64:
(Start: 4 @42047 has 28 MA's), (13, 41987),

Gene: Texage_64 Start: 41793, Stop: 41713, Start Num: 4
Candidate Starts for Texage_64:
(Start: 4 @41793 has 28 MA's), (5, 41781), (6, 41775), (8, 41760),

Gene: Todacoro_66 Start: 41792, Stop: 41712, Start Num: 4
Candidate Starts for Todacoro_66:
(Start: 4 @41792 has 28 MA's), (5, 41780), (6, 41774), (8, 41759), (9, 41756),