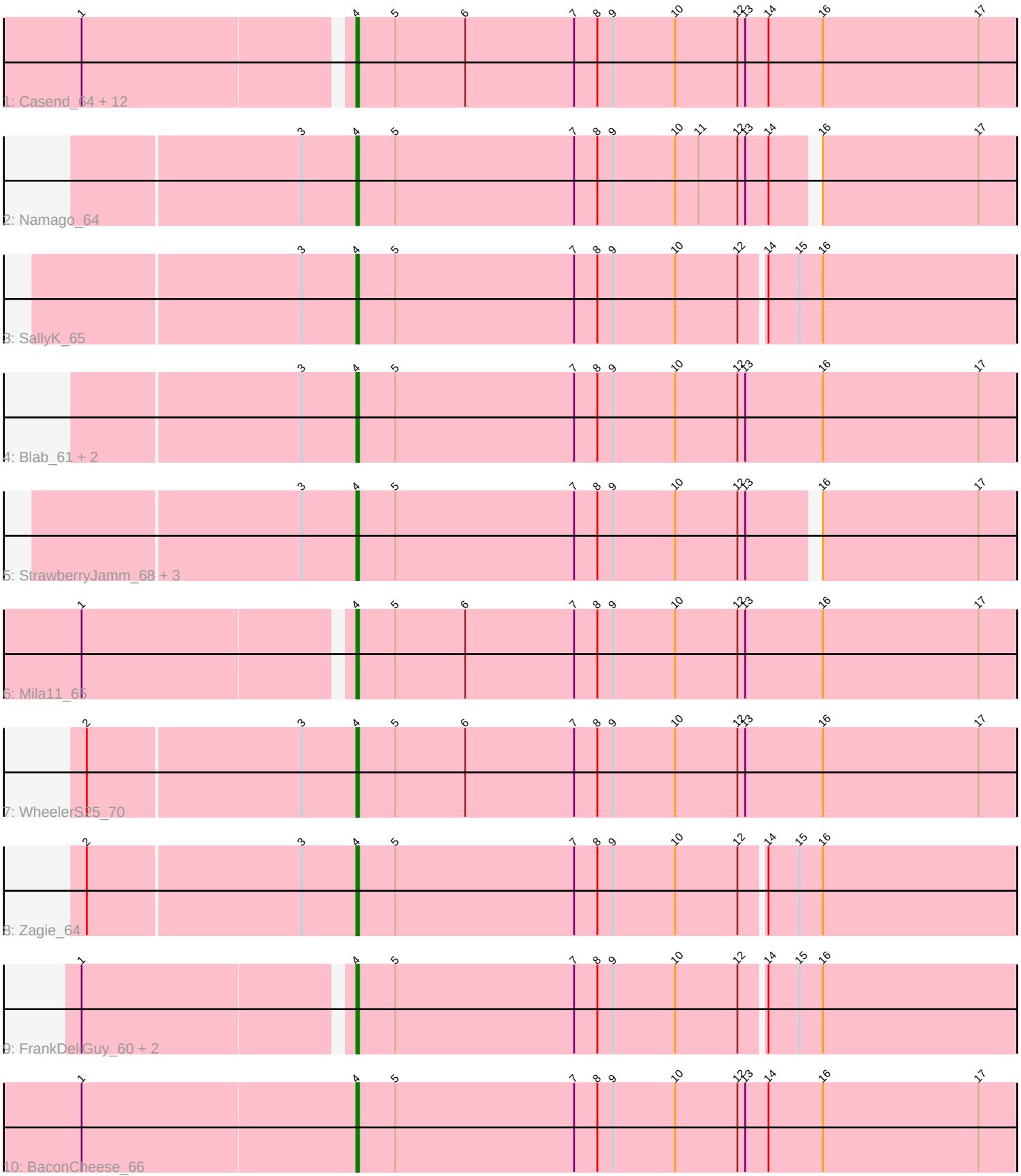
Pham 346025


1: Casend_64 + 12
2: Namago_64
3: SallyK_65
4: Blab_61 + 2
5: StrawberryJamm_68 + 3
6: Mila11_65
7: WheelerS25_70
8: Zagie_64
9: FrankDeliGuy_60 + 2
10: BaconCheese_66

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 346025 Report

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

Pham number 346025 has 29 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Casend_64, Teehee_64, Zhafia_66, Jehoshaphat_65, Llemily_63, Sillytadpoles_64, Phabia_63, DonaldDuck_63, Quammi_61, Viceroy_62, Wheelie_63, Rudy_61, Wayne3_65
• Track 2 : Namago_64
• Track 3 : SallyK_65
• Track 4 : Blab_61, MorillMayhem_65, Lonelysoil_61
• Track 5 : StrawberryJamm_68, Gazebo_62, Hyperion_63, Mashley_63
• Track 6 : Mila11_65
• Track 7 : WheelerS25_70
• Track 8 : Zagie_64
• Track 9 : FrankDeliGuy_60, ZestyBestie_61, EverythinBagel_62
• Track 10 : BaconCheese_66

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:
• BaconCheese_66, Blab_61, Casend_64, DonaldDuck_63, EverythinBagel_62, FrankDeliGuy_60, Gazebo_62, Hyperion_63, Jehoshaphat_65, Llemily_63, Lonelysoil_61, Mashley_63, Mila11_65, MorillMayhem_65, Namago_64, Phabia_63, Quammi_61, Rudy_61, SallyK_65, Sillytadpoles_64, StrawberryJamm_68, Teehee_64, Viceroy_62, Wayne3_65, WheelerS25_70, Wheelie_63, Zagie_64, ZestyBestie_61, Zhafia_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 29 of 29 (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: BaconCheese_66 (EG), Blab_61 (EG), Casend_64 (EG), DonaldDuck_63 (EG), EverythinBagel_62 (EG), FrankDeliGuy_60 (EG), Gazebo_62 (EG), Hyperion_63 (EG), Jehoshaphat_65 (EG), Llemily_63 (EG), Lonelysoil_61 (EG), Mashley_63 (EG), Mila11_65 (EG), MorillMayhem_65 (EG), Namago_64 (EG), Phabia_63 (EG), Quammi_61 (EG), Rudy_61 (EG), SallyK_65 (EG), Sillytadpoles_64 (EG), StrawberryJamm_68 (EG), Teehee_64 (EG), Viceroy_62 (EG), Wayne3_65 (EG), WheelerS25_70 (EG), Wheelie_63 (EG), Zagie_64 (EG), ZestyBestie_61 (EG), Zhafia_66 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 28 times for cluster EG.

Gene Information:

Gene: BaconCheese_66 Start: 46007, Stop: 45753, Start Num: 4
Candidate Starts for BaconCheese_66:
(1, 46109), (Start: 4 @46007 has 28 MA's), (5, 45992), (7, 45923), (8, 45914), (9, 45908), (10, 45884), (12, 45860), (13, 45857), (14, 45848), (16, 45827), (17, 45767),

Gene: Blab_61 Start: 44658, Stop: 44404, Start Num: 4
Candidate Starts for Blab_61:
(3, 44679), (Start: 4 @44658 has 28 MA's), (5, 44643), (7, 44574), (8, 44565), (9, 44559), (10, 44535), (12, 44511), (13, 44508), (16, 44478), (17, 44418),

Gene: Casend_64 Start: 44920, Stop: 44666, Start Num: 4
Candidate Starts for Casend_64:
(1, 45016), (Start: 4 @44920 has 28 MA's), (5, 44905), (6, 44878), (7, 44836), (8, 44827), (9, 44821), (10, 44797), (12, 44773), (13, 44770), (14, 44761), (16, 44740), (17, 44680),

Gene: DonaldDuck_63 Start: 44269, Stop: 44015, Start Num: 4
Candidate Starts for DonaldDuck_63:
(1, 44365), (Start: 4 @44269 has 28 MA's), (5, 44254), (6, 44227), (7, 44185), (8, 44176), (9, 44170), (10, 44146), (12, 44122), (13, 44119), (14, 44110), (16, 44089), (17, 44029),

Gene: EverythinBagel_62 Start: 44756, Stop: 44505, Start Num: 4
Candidate Starts for EverythinBagel_62:
(1, 44852), (Start: 4 @44756 has 28 MA's), (5, 44741), (7, 44672), (8, 44663), (9, 44657), (10, 44633), (12, 44609), (14, 44600), (15, 44588), (16, 44579),

Gene: FrankDeliGuy_60 Start: 44370, Stop: 44119, Start Num: 4
Candidate Starts for FrankDeliGuy_60:
(1, 44466), (Start: 4 @44370 has 28 MA's), (5, 44355), (7, 44286), (8, 44277), (9, 44271), (10, 44247), (12, 44223), (14, 44214), (15, 44202), (16, 44193),

Gene: Gazebo_62 Start: 44711, Stop: 44463, Start Num: 4
Candidate Starts for Gazebo_62:
(3, 44732), (Start: 4 @44711 has 28 MA's), (5, 44696), (7, 44627), (8, 44618), (9, 44612), (10, 44588), (12, 44564), (13, 44561), (16, 44537), (17, 44477),

Gene: Hyperion_63 Start: 44885, Stop: 44637, Start Num: 4
Candidate Starts for Hyperion_63:
(3, 44906), (Start: 4 @44885 has 28 MA's), (5, 44870), (7, 44801), (8, 44792), (9, 44786), (10, 44762), (12, 44738), (13, 44735), (16, 44711), (17, 44651),

Gene: Jehoshaphat_65 Start: 45188, Stop: 44934, Start Num: 4
Candidate Starts for Jehoshaphat_65:
(1, 45284), (Start: 4 @45188 has 28 MA's), (5, 45173), (6, 45146), (7, 45104), (8, 45095), (9, 45089), (10, 45065), (12, 45041), (13, 45038), (14, 45029), (16, 45008), (17, 44948),

Gene: Llemily_63 Start: 43964, Stop: 43710, Start Num: 4
Candidate Starts for Llemily_63:
(1, 44060), (Start: 4 @43964 has 28 MA's), (5, 43949), (6, 43922), (7, 43880), (8, 43871), (9, 43865), (10, 43841), (12, 43817), (13, 43814), (14, 43805), (16, 43784), (17, 43724),

Gene: Lonelysoil_61 Start: 44016, Stop: 43762, Start Num: 4
Candidate Starts for Lonelysoil_61:
(3, 44037), (Start: 4 @44016 has 28 MA's), (5, 44001), (7, 43932), (8, 43923), (9, 43917), (10, 43893), (12, 43869), (13, 43866), (16, 43836), (17, 43776),

Gene: Mashley_63 Start: 44698, Stop: 44450, Start Num: 4
Candidate Starts for Mashley_63:
(3, 44719), (Start: 4 @44698 has 28 MA's), (5, 44683), (7, 44614), (8, 44605), (9, 44599), (10, 44575), (12, 44551), (13, 44548), (16, 44524), (17, 44464),

Gene: Mila11_65 Start: 46065, Stop: 45811, Start Num: 4
Candidate Starts for Mila11_65:
(1, 46161), (Start: 4 @46065 has 28 MA's), (5, 46050), (6, 46023), (7, 45981), (8, 45972), (9, 45966), (10, 45942), (12, 45918), (13, 45915), (16, 45885), (17, 45825),

Gene: MorillMayhem_65 Start: 45076, Stop: 44822, Start Num: 4
Candidate Starts for MorillMayhem_65:
(3, 45097), (Start: 4 @45076 has 28 MA's), (5, 45061), (7, 44992), (8, 44983), (9, 44977), (10, 44953), (12, 44929), (13, 44926), (16, 44896), (17, 44836),

Gene: Namago_64 Start: 44152, Stop: 43904, Start Num: 4
Candidate Starts for Namago_64:
(3, 44173), (Start: 4 @44152 has 28 MA's), (5, 44137), (7, 44068), (8, 44059), (9, 44053), (10, 44029), (11, 44020), (12, 44005), (13, 44002), (14, 43993), (16, 43978), (17, 43918),

Gene: Phabia_63 Start: 44379, Stop: 44125, Start Num: 4
Candidate Starts for Phabia_63:
(1, 44475), (Start: 4 @44379 has 28 MA's), (5, 44364), (6, 44337), (7, 44295), (8, 44286), (9, 44280), (10, 44256), (12, 44232), (13, 44229), (14, 44220), (16, 44199), (17, 44139),

Gene: Quammi_61 Start: 44079, Stop: 43825, Start Num: 4
Candidate Starts for Quammi_61:

(1, 44175), (Start: 4 @44079 has 28 MA's), (5, 44064), (6, 44037), (7, 43995), (8, 43986), (9, 43980), (10, 43956), (12, 43932), (13, 43929), (14, 43920), (16, 43899), (17, 43839),

Gene: Rudy_61 Start: 44115, Stop: 43861, Start Num: 4
Candidate Starts for Rudy_61:
(1, 44211), (Start: 4 @44115 has 28 MA's), (5, 44100), (6, 44073), (7, 44031), (8, 44022), (9, 44016), (10, 43992), (12, 43968), (13, 43965), (14, 43956), (16, 43935), (17, 43875),

Gene: SallyK_65 Start: 45408, Stop: 45157, Start Num: 4
Candidate Starts for SallyK_65:
(3, 45429), (Start: 4 @45408 has 28 MA's), (5, 45393), (7, 45324), (8, 45315), (9, 45309), (10, 45285), (12, 45261), (14, 45252), (15, 45240), (16, 45231),

Gene: Sillytadpoles_64 Start: 43952, Stop: 43698, Start Num: 4
Candidate Starts for Sillytadpoles_64:
(1, 44048), (Start: 4 @43952 has 28 MA's), (5, 43937), (6, 43910), (7, 43868), (8, 43859), (9, 43853), (10, 43829), (12, 43805), (13, 43802), (14, 43793), (16, 43772), (17, 43712),

Gene: StrawberryJamm_68 Start: 44449, Stop: 44201, Start Num: 4
Candidate Starts for StrawberryJamm_68:
(3, 44470), (Start: 4 @44449 has 28 MA's), (5, 44434), (7, 44365), (8, 44356), (9, 44350), (10, 44326), (12, 44302), (13, 44299), (16, 44275), (17, 44215),

Gene: Teehee_64 Start: 45185, Stop: 44931, Start Num: 4
Candidate Starts for Teehee_64:
(1, 45281), (Start: 4 @45185 has 28 MA's), (5, 45170), (6, 45143), (7, 45101), (8, 45092), (9, 45086), (10, 45062), (12, 45038), (13, 45035), (14, 45026), (16, 45005), (17, 44945),

Gene: Viceroy_62 Start: 44085, Stop: 43831, Start Num: 4
Candidate Starts for Viceroy_62:
(1, 44181), (Start: 4 @44085 has 28 MA's), (5, 44070), (6, 44043), (7, 44001), (8, 43992), (9, 43986), (10, 43962), (12, 43938), (13, 43935), (14, 43926), (16, 43905), (17, 43845),

Gene: Wayne3_65 Start: 44948, Stop: 44694, Start Num: 4
Candidate Starts for Wayne3_65:
(1, 45044), (Start: 4 @44948 has 28 MA's), (5, 44933), (6, 44906), (7, 44864), (8, 44855), (9, 44849), (10, 44825), (12, 44801), (13, 44798), (14, 44789), (16, 44768), (17, 44708),

Gene: WheelerS25_70 Start: 45994, Stop: 45740, Start Num: 4
Candidate Starts for WheelerS25_70:
(2, 46093), (3, 46012), (Start: 4 @45994 has 28 MA's), (5, 45979), (6, 45952), (7, 45910), (8, 45901), (9, 45895), (10, 45871), (12, 45847), (13, 45844), (16, 45814), (17, 45754),

Gene: Wheelie_63 Start: 44269, Stop: 44015, Start Num: 4
Candidate Starts for Wheelie_63:
(1, 44365), (Start: 4 @44269 has 28 MA's), (5, 44254), (6, 44227), (7, 44185), (8, 44176), (9, 44170), (10, 44146), (12, 44122), (13, 44119), (14, 44110), (16, 44089), (17, 44029),

Gene: Zagie_64 Start: 44684, Stop: 44433, Start Num: 4
Candidate Starts for Zagie_64:
(2, 44786), (3, 44705), (Start: 4 @44684 has 28 MA's), (5, 44669), (7, 44600), (8, 44591), (9, 44585), (10, 44561), (12, 44537), (14, 44528), (15, 44516), (16, 44507),

Gene: ZestyBestie_61 Start: 44365, Stop: 44114, Start Num: 4
Candidate Starts for ZestyBestie_61:
(1, 44461), (Start: 4 @44365 has 28 MA's), (5, 44350), (7, 44281), (8, 44272), (9, 44266), (10, 44242), (12, 44218), (14, 44209), (15, 44197), (16, 44188),

Gene: Zhafia_66 Start: 44749, Stop: 44495, Start Num: 4
Candidate Starts for Zhafia_66:
(1, 44845), (Start: 4 @44749 has 28 MA's), (5, 44734), (6, 44707), (7, 44665), (8, 44656), (9, 44650), (10, 44626), (12, 44602), (13, 44599), (14, 44590), (16, 44569), (17, 44509),