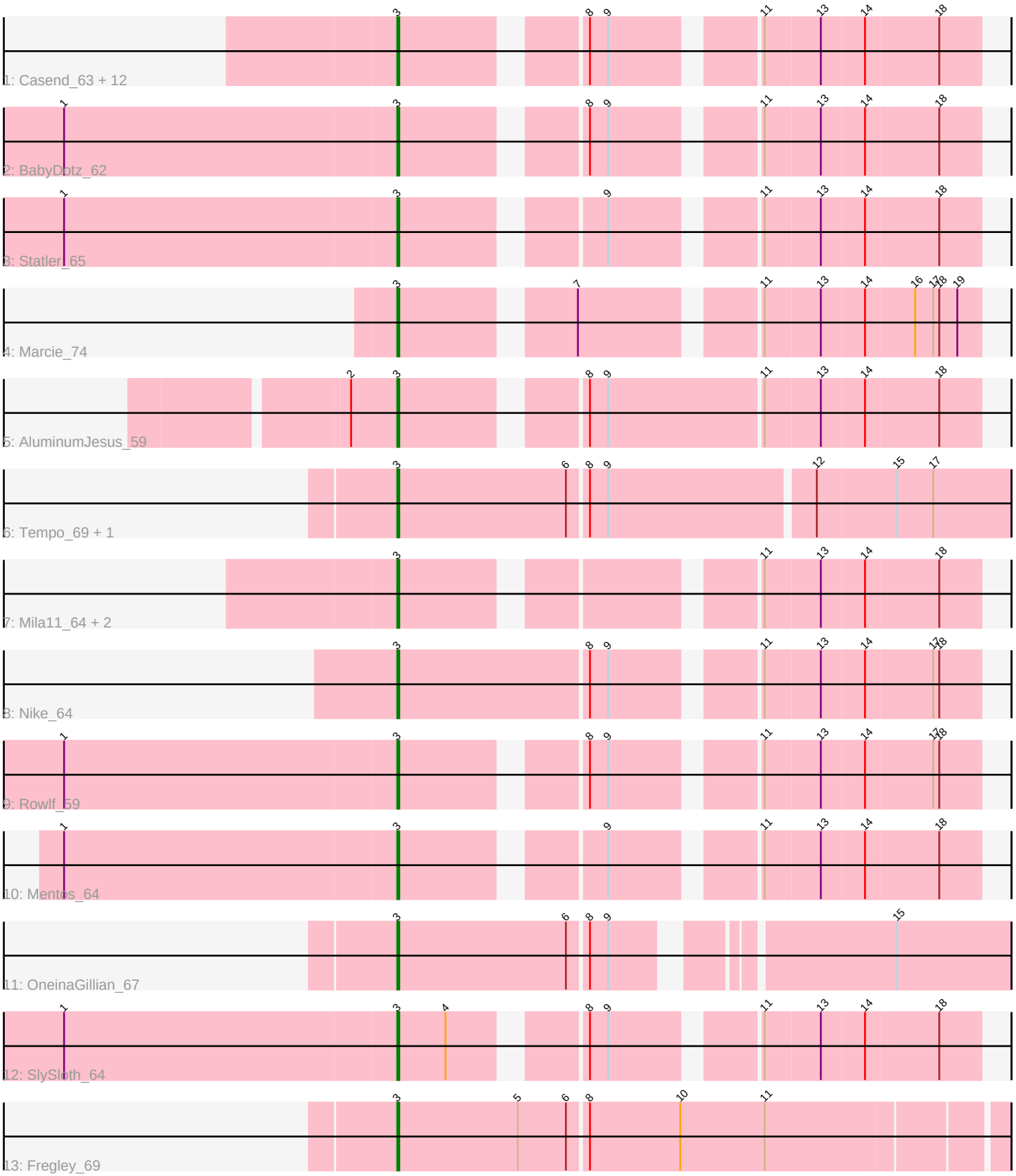
Pham 337026


1: Casend_63 + 12
2: BabyDotz_62
3: Statler_65
4: Marcie_74
5: AluminumJesus_59
6: Tempo_69 + 1
7: Mila11_64 + 2
8: Nike_64
9: Rowlf_69
10: Mentos_64
11: OneinaGillian_67
12: SlySloth_64
13: Fregley_69

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 337026 Report

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

Pham number 337026 has 28 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Casend_63, Teehee_63, Zhafia_65, Jehoshaphat_64, Llemily_62, Sillytadpoles_63, Phabia_62, DonaldDuck_62, Quammi_60, Viceroy_61, Wheelie_62, Rudy_60, Wayne3_64
• Track 2 : BabyDotz_62
• Track 3 : Statler_65
• Track 4 : Marcie_74
• Track 5 : AluminumJesus_59
• Track 6 : Tempo_69, CandC_66
• Track 7 : Mila11_64, MorillMayhem_64, BaconCheese_65
• Track 8 : Nike_64
• Track 9 : Rowlf_59
• Track 10 : Mentos_64
• Track 11 : OneinaGillian_67
• Track 12 : SlySloth_64
• Track 13 : Fregley_69

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

The start number called the most often in the published annotations is 3, it was called in 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_59, BabyDotz_62, BaconCheese_65, CandC_66, Casend_63, DonaldDuck_62, Fregley_69, Jehoshaphat_64, Llemily_62, Marcie_74, Mentos_64, Mila11_64, MorillMayhem_64, Nike_64, OneinaGillian_67, Phabia_62, Quammi_60, Rowlf_59, Rudy_60, Sillytadpoles_63, SlySloth_64, Statler_65, Teehee_63, Tempo_69, Viceroy_61, Wayne3_64, Wheelie_62, Zhafia_65,

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 3:
• 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: AluminumJesus_59 (EG), BabyDotz_62 (EG), BaconCheese_65 (EG), CandC_66 (EG), Casend_63 (EG), DonaldDuck_62 (EG), Fregley_69 (EG), Jehoshaphat_64 (EG), Llemily_62 (EG), Marcie_74 (EG), Mentos_64 (EG), Mila11_64 (EG), MorillMayhem_64 (EG), Nike_64 (EG), OneinaGillian_67 (EG), Phabia_62 (EG), Quammi_60 (EG), Rowlf_59 (EG), Rudy_60 (EG), Sillytadpoles_63 (EG), SlySloth_64 (EG), Statler_65 (EG), Teehee_63 (EG), Tempo_69 (EG), Viceroy_61 (EG), Wayne3_64 (EG), Wheelie_62 (EG), Zhafia_65 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 3 was manually annotated 28 times for cluster EG.

Gene Information:

Gene: AluminumJesus_59 Start: 43763, Stop: 43497, Start Num: 3
Candidate Starts for AluminumJesus_59:
(2, 43784), (Start: 3 @43763 has 28 MA's), (8, 43685), (9, 43676), (11, 43601), (13, 43574), (14, 43553), (18, 43517),

Gene: BabyDotz_62 Start: 45150, Stop: 44896, Start Num: 3
Candidate Starts for BabyDotz_62:
(1, 45312), (Start: 3 @45150 has 28 MA's), (8, 45072), (9, 45063), (11, 45000), (13, 44973), (14, 44952), (18, 44916),

Gene: BaconCheese_65 Start: 45756, Stop: 45502, Start Num: 3
Candidate Starts for BaconCheese_65:
(Start: 3 @45756 has 28 MA's), (11, 45606), (13, 45579), (14, 45558), (18, 45522),

Gene: CandC_66 Start: 44056, Stop: 43760, Start Num: 3
Candidate Starts for CandC_66:
(Start: 3 @44056 has 28 MA's), (6, 43972), (8, 43963), (9, 43954), (12, 43855), (15, 43816), (17, 43798),

Gene: Casend_63 Start: 44669, Stop: 44415, Start Num: 3
Candidate Starts for Casend_63:
(Start: 3 @44669 has 28 MA's), (8, 44591), (9, 44582), (11, 44519), (13, 44492), (14, 44471), (18, 44435),

Gene: DonaldDuck_62 Start: 44018, Stop: 43764, Start Num: 3
Candidate Starts for DonaldDuck_62:

(Start: 3 @44018 has 28 MA's), (8, 43940), (9, 43931), (11, 43868), (13, 43841), (14, 43820), (18, 43784),

Gene: Fregley_69 Start: 44405, Stop: 44112, Start Num: 3
Candidate Starts for Fregley_69:
(Start: 3 @44405 has 28 MA's), (5, 44345), (6, 44321), (8, 44312), (10, 44267), (11, 44225),

Gene: Jehoshaphat_64 Start: 44937, Stop: 44683, Start Num: 3
Candidate Starts for Jehoshaphat_64:
(Start: 3 @44937 has 28 MA's), (8, 44859), (9, 44850), (11, 44787), (13, 44760), (14, 44739), (18, 44703),

Gene: Llemily_62 Start: 43713, Stop: 43459, Start Num: 3
Candidate Starts for Llemily_62:
(Start: 3 @43713 has 28 MA's), (8, 43635), (9, 43626), (11, 43563), (13, 43536), (14, 43515), (18, 43479),

Gene: Marcie_74 Start: 45324, Stop: 45067, Start Num: 3
Candidate Starts for Marcie_74:
(Start: 3 @45324 has 28 MA's), (7, 45249), (11, 45171), (13, 45144), (14, 45123), (16, 45099), (17, 45090), (18, 45087), (19, 45078),

Gene: Mentos_64 Start: 45555, Stop: 45301, Start Num: 3
Candidate Starts for Mentos_64:
(1, 45717), (Start: 3 @45555 has 28 MA's), (9, 45468), (11, 45405), (13, 45378), (14, 45357), (18, 45321),

Gene: Mila11_64 Start: 45814, Stop: 45560, Start Num: 3
Candidate Starts for Mila11_64:
(Start: 3 @45814 has 28 MA's), (11, 45664), (13, 45637), (14, 45616), (18, 45580),

Gene: MorillMayhem_64 Start: 44825, Stop: 44571, Start Num: 3
Candidate Starts for MorillMayhem_64:
(Start: 3 @44825 has 28 MA's), (11, 44675), (13, 44648), (14, 44627), (18, 44591),

Gene: Nike_64 Start: 45316, Stop: 45047, Start Num: 3
Candidate Starts for Nike_64:
(Start: 3 @45316 has 28 MA's), (8, 45223), (9, 45214), (11, 45151), (13, 45124), (14, 45103), (17, 45070), (18, 45067),

Gene: OneinaGillian_67 Start: 44163, Stop: 43885, Start Num: 3
Candidate Starts for OneinaGillian_67:
(Start: 3 @44163 has 28 MA's), (6, 44079), (8, 44070), (9, 44061), (15, 43941),

Gene: Phabia_62 Start: 44128, Stop: 43874, Start Num: 3
Candidate Starts for Phabia_62:
(Start: 3 @44128 has 28 MA's), (8, 44050), (9, 44041), (11, 43978), (13, 43951), (14, 43930), (18, 43894),

Gene: Quammi_60 Start: 43828, Stop: 43574, Start Num: 3
Candidate Starts for Quammi_60:
(Start: 3 @43828 has 28 MA's), (8, 43750), (9, 43741), (11, 43678), (13, 43651), (14, 43630), (18, 43594),

Gene: Rowlf_59 Start: 43771, Stop: 43517, Start Num: 3
Candidate Starts for Rowlf_59:
(1, 43933), (Start: 3 @43771 has 28 MA's), (8, 43693), (9, 43684), (11, 43621), (13, 43594), (14, 43573), (17, 43540), (18, 43537),

Gene: Rudy_60 Start: 43864, Stop: 43610, Start Num: 3
Candidate Starts for Rudy_60:
(Start: 3 @43864 has 28 MA's), (8, 43786), (9, 43777), (11, 43714), (13, 43687), (14, 43666), (18, 43630),

Gene: Sillytadpoles_63 Start: 43701, Stop: 43447, Start Num: 3
Candidate Starts for Sillytadpoles_63:
(Start: 3 @43701 has 28 MA's), (8, 43623), (9, 43614), (11, 43551), (13, 43524), (14, 43503), (18, 43467),

Gene: SlySloth_64 Start: 44418, Stop: 44164, Start Num: 3
Candidate Starts for SlySloth_64:
(1, 44580), (Start: 3 @44418 has 28 MA's), (4, 44394), (8, 44340), (9, 44331), (11, 44268), (13, 44241), (14, 44220), (18, 44184),

Gene: Statler_65 Start: 44487, Stop: 44233, Start Num: 3
Candidate Starts for Statler_65:
(1, 44649), (Start: 3 @44487 has 28 MA's), (9, 44400), (11, 44337), (13, 44310), (14, 44289), (18, 44253),

Gene: Teehee_63 Start: 44934, Stop: 44680, Start Num: 3
Candidate Starts for Teehee_63:
(Start: 3 @44934 has 28 MA's), (8, 44856), (9, 44847), (11, 44784), (13, 44757), (14, 44736), (18, 44700),

Gene: Tempo_69 Start: 44752, Stop: 44456, Start Num: 3
Candidate Starts for Tempo_69:
(Start: 3 @44752 has 28 MA's), (6, 44668), (8, 44659), (9, 44650), (12, 44551), (15, 44512), (17, 44494),

Gene: Viceroy_61 Start: 43834, Stop: 43580, Start Num: 3
Candidate Starts for Viceroy_61:
(Start: 3 @43834 has 28 MA's), (8, 43756), (9, 43747), (11, 43684), (13, 43657), (14, 43636), (18, 43600),

Gene: Wayne3_64 Start: 44697, Stop: 44443, Start Num: 3
Candidate Starts for Wayne3_64:
(Start: 3 @44697 has 28 MA's), (8, 44619), (9, 44610), (11, 44547), (13, 44520), (14, 44499), (18, 44463),

Gene: Wheelie_62 Start: 44018, Stop: 43764, Start Num: 3
Candidate Starts for Wheelie_62:
(Start: 3 @44018 has 28 MA's), (8, 43940), (9, 43931), (11, 43868), (13, 43841), (14, 43820), (18, 43784),

Gene: Zhafia_65 Start: 44498, Stop: 44244, Start Num: 3
Candidate Starts for Zhafia_65:

(Start: 3 @44498 has 28 MA's), (8, 44420), (9, 44411), (11, 44348), (13, 44321), (14, 44300), (18, 44264),