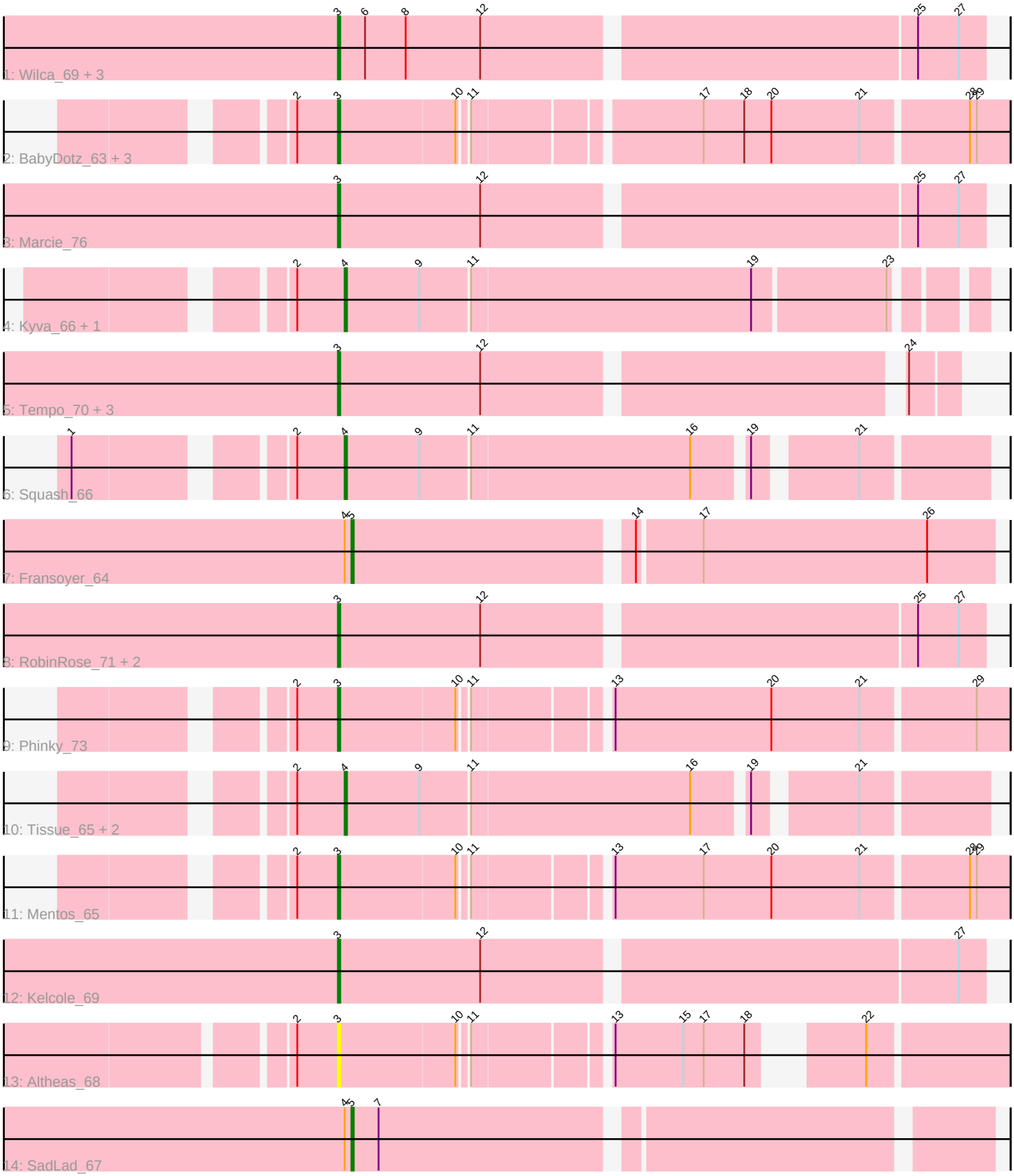
Pham 346041


1: Wilca_69 + 3
2: BabyDotz_63 + 3
3: Marcie_76
4: Kyva_66 + 1
5: Tempo_70 + 3
6: Squash_66
7: Fransoyer_64
8: RobinRose_71 + 2
9: Phinky_73
10: Tissue_65 + 2
11: Mentos_65
12: Kelcole_69
13: Altheas_68
14: SadLad_67

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 346041 Report

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

Pham number 346041 has 28 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Wilca_69, Pepe25_67, Spiderpig_69, BirdInFrench_69
• Track 2 : BabyDotz_63, Rowlf_60, Statler_66, SlySloth_65
• Track 3 : Marcie_76
• Track 4 : Kyva_66, Grassboy_66
• Track 5 : Tempo_70, OneinaGillian_68, CandC_67, Fregley_70
• Track 6 : Squash_66
• Track 7 : Fransoyer_64
• Track 8 : RobinRose_71, KillerQueen_72, Romm_71
• Track 9 : Phinky_73
• Track 10 : Tissue_65, Nike_65, Judebell_64
• Track 11 : Mentos_65
• Track 12 : Kelcole_69
• Track 13 : Altheas_68
• Track 14 : SadLad_67

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 17 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altheas_68, BabyDotz_63, BirdInFrench_69, CandC_67, Fregley_70, Kelcole_69, KillerQueen_72, Marcie_76, Mentos_65, OneinaGillian_68, Pepe25_67, Phinky_73, RobinRose_71, Romm_71, Rowlf_60, SlySloth_65, Spiderpig_69, Statler_66, Tempo_70, Wilca_69,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Fransoyer_64, Grassboy_66, Judebell_64, Kyva_66, Nike_65, SadLad_67, Squash_66, Tissue_65,

Summary by start number:

Start 3:
• Found in 20 of 28 (71.4%) of genes in pham
• Manual Annotations of this start: 17 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altheas_68 (EG), BabyDotz_63 (EG), BirdInFrench_69 (EG), CandC_67 (EG), Fregley_70 (EG), Kelcole_69 (EG), KillerQueen_72 (EG), Marcie_76 (EG), Mentos_65 (EG), OneinaGillian_68 (EG), Pepe25_67 (EG), Phinky_73 (EG), RobinRose_71 (EG), Romm_71 (EG), Rowlf_60 (EG), SlySloth_65 (EG), Spiderpig_69 (EG), Statler_66 (EG), Tempo_70 (EG), Wilca_69 (EG),

Start 4:
• Found in 8 of 28 (28.6%) of genes in pham
• Manual Annotations of this start: 6 of 25
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Grassboy_66 (EG), Judebell_64 (EG), Kyva_66 (EG), Nike_65 (EG), Squash_66 (EG), Tissue_65 (EG),

Start 5:
• Found in 2 of 28 (7.1%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fransoyer_64 (EG), SadLad_67 (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 17 times for cluster EG.
•Start number 4 was manually annotated 6 times for cluster EG.
•Start number 5 was manually annotated 2 times for cluster EG.

Gene Information:

Gene: Altheas_68 Start: 45402, Stop: 45145, Start Num: 3
Candidate Starts for Altheas_68:
(2, 45420), (Start: 3 @45402 has 17 MA's), (10, 45351), (11, 45348), (13, 45294), (15, 45264), (17, 45255), (18, 45237), (22, 45204),

Gene: BabyDotz_63 Start: 45425, Stop: 45147, Start Num: 3
Candidate Starts for BabyDotz_63:
(2, 45443), (Start: 3 @45425 has 17 MA's), (10, 45374), (11, 45371), (17, 45278), (18, 45260), (20, 45248), (21, 45209), (28, 45164), (29, 45161),

Gene: BirdInFrench_69 Start: 45105, Stop: 44830, Start Num: 3
Candidate Starts for BirdInFrench_69:
(Start: 3 @45105 has 17 MA's), (6, 45093), (8, 45075), (12, 45042), (25, 44859), (27, 44841),

Gene: CandC_67 Start: 44307, Stop: 44053, Start Num: 3

Candidate Starts for CandC_67:
(Start: 3 @44307 has 17 MA's), (12, 44244), (24, 44073),

Gene: Fransoyer_64 Start: 46369, Stop: 46097, Start Num: 5
Candidate Starts for Fransoyer_64:
(Start: 4 @46372 has 6 MA's), (Start: 5 @46369 has 2 MA's), (14, 46252), (17, 46225), (26, 46126),

Gene: Fregley_70 Start: 44656, Stop: 44402, Start Num: 3
Candidate Starts for Fregley_70:
(Start: 3 @44656 has 17 MA's), (12, 44593), (24, 44422),

Gene: Grassboy_66 Start: 45240, Stop: 44974, Start Num: 4
Candidate Starts for Grassboy_66:
(2, 45261), (Start: 4 @45240 has 6 MA's), (9, 45207), (11, 45186), (19, 45063), (23, 45006),

Gene: Judebell_64 Start: 44542, Stop: 44279, Start Num: 4
Candidate Starts for Judebell_64:
(2, 44563), (Start: 4 @44542 has 6 MA's), (9, 44509), (11, 44488), (16, 44392), (19, 44371), (21, 44332),

Gene: Kelcole_69 Start: 44879, Stop: 44604, Start Num: 3
Candidate Starts for Kelcole_69:
(Start: 3 @44879 has 17 MA's), (12, 44816), (27, 44615),

Gene: KillerQueen_72 Start: 45114, Stop: 44839, Start Num: 3
Candidate Starts for KillerQueen_72:
(Start: 3 @45114 has 17 MA's), (12, 45051), (25, 44868), (27, 44850),

Gene: Kyva_66 Start: 45263, Stop: 44997, Start Num: 4
Candidate Starts for Kyva_66:
(2, 45284), (Start: 4 @45263 has 6 MA's), (9, 45230), (11, 45209), (19, 45086), (23, 45029),

Gene: Marcie_76 Start: 45775, Stop: 45500, Start Num: 3
Candidate Starts for Marcie_76:
(Start: 3 @45775 has 17 MA's), (12, 45712), (25, 45529), (27, 45511),

Gene: Mentos_65 Start: 45830, Stop: 45552, Start Num: 3
Candidate Starts for Mentos_65:
(2, 45848), (Start: 3 @45830 has 17 MA's), (10, 45779), (11, 45776), (13, 45722), (17, 45683), (20, 45653), (21, 45614), (28, 45569), (29, 45566),

Gene: Nike_65 Start: 45576, Stop: 45313, Start Num: 4
Candidate Starts for Nike_65:
(2, 45597), (Start: 4 @45576 has 6 MA's), (9, 45543), (11, 45522), (16, 45426), (19, 45405), (21, 45366),

Gene: OneinaGillian_68 Start: 44414, Stop: 44160, Start Num: 3
Candidate Starts for OneinaGillian_68:
(Start: 3 @44414 has 17 MA's), (12, 44351), (24, 44180),

Gene: Pepe25_67 Start: 44024, Stop: 43749, Start Num: 3
Candidate Starts for Pepe25_67:
(Start: 3 @44024 has 17 MA's), (6, 44012), (8, 43994), (12, 43961), (25, 43778), (27, 43760),

Gene: Phinky_73 Start: 46720, Stop: 46442, Start Num: 3
Candidate Starts for Phinky_73:
(2, 46738), (Start: 3 @46720 has 17 MA's), (10, 46669), (11, 46666), (13, 46612), (20, 46543), (21, 46504), (29, 46456),

Gene: RobinRose_71 Start: 45063, Stop: 44788, Start Num: 3
Candidate Starts for RobinRose_71:
(Start: 3 @45063 has 17 MA's), (12, 45000), (25, 44817), (27, 44799),

Gene: Romm_71 Start: 45060, Stop: 44785, Start Num: 3
Candidate Starts for Romm_71:
(Start: 3 @45060 has 17 MA's), (12, 44997), (25, 44814), (27, 44796),

Gene: Rowlf_60 Start: 44046, Stop: 43768, Start Num: 3
Candidate Starts for Rowlf_60:
(2, 44064), (Start: 3 @44046 has 17 MA's), (10, 43995), (11, 43992), (17, 43899), (18, 43881), (20, 43869), (21, 43830), (28, 43785), (29, 43782),

Gene: SadLad_67 Start: 47480, Stop: 47217, Start Num: 5
Candidate Starts for SadLad_67:
(Start: 4 @47483 has 6 MA's), (Start: 5 @47480 has 2 MA's), (7, 47468),

Gene: SlySloth_65 Start: 44693, Stop: 44415, Start Num: 3
Candidate Starts for SlySloth_65:
(2, 44711), (Start: 3 @44693 has 17 MA's), (10, 44642), (11, 44639), (17, 44546), (18, 44528), (20, 44516), (21, 44477), (28, 44432), (29, 44429),

Gene: Spiderpig_69 Start: 45094, Stop: 44819, Start Num: 3
Candidate Starts for Spiderpig_69:
(Start: 3 @45094 has 17 MA's), (6, 45082), (8, 45064), (12, 45031), (25, 44848), (27, 44830),

Gene: Squash_66 Start: 45411, Stop: 45148, Start Num: 4
Candidate Starts for Squash_66:
(1, 45513), (2, 45432), (Start: 4 @45411 has 6 MA's), (9, 45378), (11, 45357), (16, 45261), (19, 45240), (21, 45201),

Gene: Statler_66 Start: 44762, Stop: 44484, Start Num: 3
Candidate Starts for Statler_66:
(2, 44780), (Start: 3 @44762 has 17 MA's), (10, 44711), (11, 44708), (17, 44615), (18, 44597), (20, 44585), (21, 44546), (28, 44501), (29, 44498),

Gene: Tempo_70 Start: 45003, Stop: 44749, Start Num: 3
Candidate Starts for Tempo_70:
(Start: 3 @45003 has 17 MA's), (12, 44940), (24, 44769),

Gene: Tissue_65 Start: 45109, Stop: 44846, Start Num: 4
Candidate Starts for Tissue_65:
(2, 45130), (Start: 4 @45109 has 6 MA's), (9, 45076), (11, 45055), (16, 44959), (19, 44938), (21, 44899),

Gene: Wilca_69 Start: 45105, Stop: 44830, Start Num: 3
Candidate Starts for Wilca_69:

(Start: 3 @45105 has 17 MA's), (6, 45093), (8, 45075), (12, 45042), (25, 44859), (27, 44841),