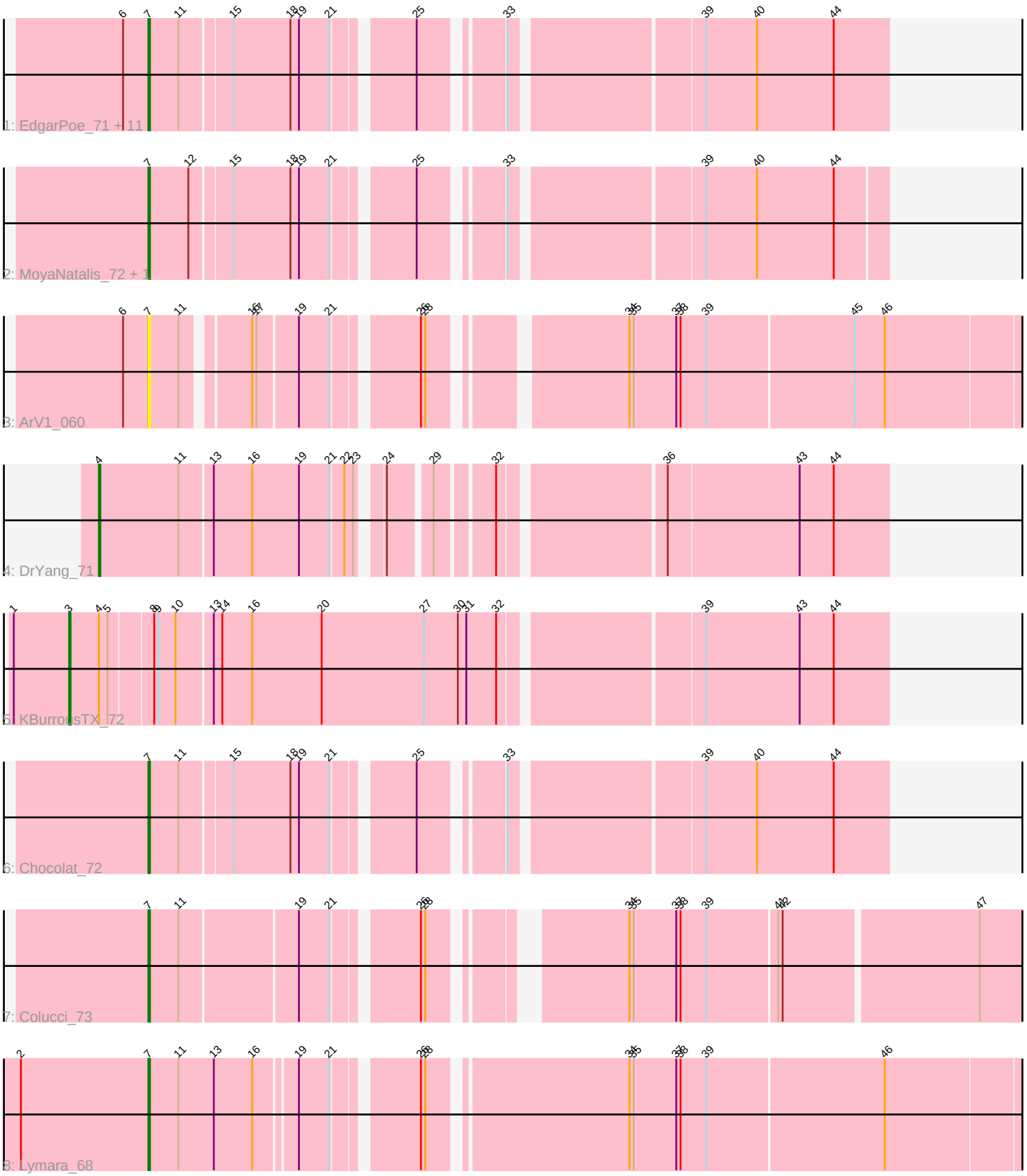
Pham 344418


1: EdgarPoe_71 + 11
2: MoyaNatalis_72 + 1
3: ArV1_060
4: DrYang_71
5: KBurrousTX_72
6: Chocolat_72
7: Colucci_73
8: Lymara_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 344418 Report

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

Pham number 344418 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : EdgarPoe_71, HumptyDumpty_72, Scavito_73, Kabreeze_72, Linus_72, JaNo_71, Mordred_72, RosiePosie_72, Chipper1996_730, Tophat_73, JayCookie_73, Conboy_71
• Track 2 : MoyaNatalis_72, PrincessTrina_73
• Track 3 : ArV1_060
• Track 4 : DrYang_71
• Track 5 : KBurrousTX_72
• Track 6 : Chocolat_72
• Track 7 : Colucci_73
• Track 8 : Lymara_68

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

The start number called the most often in the published annotations is 7, it was called in 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ArV1_060, Chipper1996_730, Chocolat_72, Colucci_73, Conboy_71, EdgarPoe_71, HumptyDumpty_72, JaNo_71, JayCookie_73, Kabreeze_72, Linus_72, Lymara_68, Mordred_72, MoyaNatalis_72, PrincessTrina_73, RosiePosie_72, Scavito_73, Tophat_73,

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

Genes that do not have the "Most Annotated" start:
• DrYang_71, KBurrousTX_72,

Summary by start number:

Start 3:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present

• Phage (with cluster) where this start called: KBurrousTX_72 (AR),

Start 4:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DrYang_71 (AR),

Start 7:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 16 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV1_060 (AR), Chipper1996_730 (AR), Chocolat_72 (AR), Colucci_73 (AR), Conboy_71 (AR), EdgarPoe_71 (AR), HumptyDumpty_72 (AR), JaNo_71 (AR), JayCookie_73 (AR), Kabreeze_72 (AR), Linus_72 (AR), Lymara_68 (AR), Mordred_72 (AR), MoyaNatalis_72 (AR), PrincessTrina_73 (AR), RosiePosie_72 (AR), Scavito_73 (AR), Tophat_73 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 3 was manually annotated 1 time for cluster AR.
•Start number 4 was manually annotated 1 time for cluster AR.
•Start number 7 was manually annotated 16 times for cluster AR.

Gene Information:

Gene: ArV1_060 Start: 47013, Stop: 47588, Start Num: 7
Candidate Starts for ArV1_060:
(6, 46995), (Start: 7 @47013 has 16 MA's), (11, 47034), (16, 47073), (17, 47076), (19, 47103), (21, 47124), (26, 47175), (28, 47178), (34, 47295), (35, 47298), (37, 47328), (38, 47331), (39, 47349), (45, 47451), (46, 47472),

Gene: Chipper1996_730 Start: 48295, Stop: 48762, Start Num: 7
Candidate Starts for Chipper1996_730:
(6, 48277), (Start: 7 @48295 has 16 MA's), (11, 48316), (15, 48349), (18, 48388), (19, 48394), (21, 48415), (25, 48463), (33, 48511), (39, 48634), (40, 48670), (44, 48724),

Gene: Chocolat_72 Start: 48320, Stop: 48787, Start Num: 7
Candidate Starts for Chocolat_72:
(Start: 7 @48320 has 16 MA's), (11, 48341), (15, 48374), (18, 48413), (19, 48419), (21, 48440), (25, 48488), (33, 48536), (39, 48659), (40, 48695), (44, 48749),

Gene: Colucci_73 Start: 48478, Stop: 49047, Start Num: 7
Candidate Starts for Colucci_73:
(Start: 7 @48478 has 16 MA's), (11, 48499), (19, 48577), (21, 48598), (26, 48649), (28, 48652), (34, 48760), (35, 48763), (37, 48793), (38, 48796), (39, 48814), (41, 48862), (42, 48865), (47, 48997),

Gene: Conboy_71 Start: 48159, Stop: 48626, Start Num: 7

Candidate Starts for Conboy_71:
(6, 48141), (Start: 7 @48159 has 16 MA's), (11, 48180), (15, 48213), (18, 48252), (19, 48258), (21, 48279), (25, 48327), (33, 48375), (39, 48498), (40, 48534), (44, 48588),

Gene: DrYang_71 Start: 49409, Stop: 49912, Start Num: 4
Candidate Starts for DrYang_71:
(Start: 4 @49409 has 1 MA's), (11, 49463), (13, 49484), (16, 49511), (19, 49544), (21, 49565), (22, 49574), (23, 49580), (24, 49592), (29, 49619), (32, 49655), (36, 49760), (43, 49850), (44, 49874),

Gene: EdgarPoe_71 Start: 48159, Stop: 48626, Start Num: 7
Candidate Starts for EdgarPoe_71:
(6, 48141), (Start: 7 @48159 has 16 MA's), (11, 48180), (15, 48213), (18, 48252), (19, 48258), (21, 48279), (25, 48327), (33, 48375), (39, 48498), (40, 48534), (44, 48588),

Gene: HumptyDumpty_72 Start: 48280, Stop: 48747, Start Num: 7
Candidate Starts for HumptyDumpty_72:
(6, 48262), (Start: 7 @48280 has 16 MA's), (11, 48301), (15, 48334), (18, 48373), (19, 48379), (21, 48400), (25, 48448), (33, 48496), (39, 48619), (40, 48655), (44, 48709),

Gene: JaNo_71 Start: 48251, Stop: 48718, Start Num: 7
Candidate Starts for JaNo_71:
(6, 48233), (Start: 7 @48251 has 16 MA's), (11, 48272), (15, 48305), (18, 48344), (19, 48350), (21, 48371), (25, 48419), (33, 48467), (39, 48590), (40, 48626), (44, 48680),

Gene: JayCookie_73 Start: 48881, Stop: 49348, Start Num: 7
Candidate Starts for JayCookie_73:
(6, 48863), (Start: 7 @48881 has 16 MA's), (11, 48902), (15, 48935), (18, 48974), (19, 48980), (21, 49001), (25, 49049), (33, 49097), (39, 49220), (40, 49256), (44, 49310),

Gene: KBurrousTX_72 Start: 50080, Stop: 50628, Start Num: 3
Candidate Starts for KBurrousTX_72:
(1, 50041), (Start: 3 @50080 has 1 MA's), (Start: 4 @50101 has 1 MA's), (5, 50107), (8, 50134), (9, 50137), (10, 50149), (13, 50173), (14, 50179), (16, 50200), (20, 50248), (27, 50320), (30, 50344), (31, 50350), (32, 50371), (39, 50500), (43, 50566), (44, 50590),

Gene: Kabreeze_72 Start: 48337, Stop: 48804, Start Num: 7
Candidate Starts for Kabreeze_72:
(6, 48319), (Start: 7 @48337 has 16 MA's), (11, 48358), (15, 48391), (18, 48430), (19, 48436), (21, 48457), (25, 48505), (33, 48553), (39, 48676), (40, 48712), (44, 48766),

Gene: Linus_72 Start: 48458, Stop: 48925, Start Num: 7
Candidate Starts for Linus_72:
(6, 48440), (Start: 7 @48458 has 16 MA's), (11, 48479), (15, 48512), (18, 48551), (19, 48557), (21, 48578), (25, 48626), (33, 48674), (39, 48797), (40, 48833), (44, 48887),

Gene: Lymara_68 Start: 46595, Stop: 47188, Start Num: 7
Candidate Starts for Lymara_68:
(2, 46505), (Start: 7 @46595 has 16 MA's), (11, 46616), (13, 46640), (16, 46667), (19, 46694), (21, 46715), (26, 46766), (28, 46769), (34, 46898), (35, 46901), (37, 46931), (38, 46934), (39, 46952), (46, 47075),

Gene: Mordred_72 Start: 48376, Stop: 48843, Start Num: 7
Candidate Starts for Mordred_72:

(6, 48358), (Start: 7 @48376 has 16 MA's), (11, 48397), (15, 48430), (18, 48469), (19, 48475), (21, 48496), (25, 48544), (33, 48592), (39, 48715), (40, 48751), (44, 48805),

Gene: MoyaNatalis_72 Start: 48330, Stop: 48794, Start Num: 7
Candidate Starts for MoyaNatalis_72:
(Start: 7 @48330 has 16 MA's), (12, 48357), (15, 48384), (18, 48423), (19, 48429), (21, 48450), (25, 48498), (33, 48546), (39, 48669), (40, 48705), (44, 48759),

Gene: PrincessTrina_73 Start: 48363, Stop: 48830, Start Num: 7
Candidate Starts for PrincessTrina_73:
(Start: 7 @48363 has 16 MA's), (12, 48390), (15, 48417), (18, 48456), (19, 48462), (21, 48483), (25, 48531), (33, 48579), (39, 48702), (40, 48738), (44, 48792),

Gene: RosiePosie_72 Start: 48147, Stop: 48614, Start Num: 7
Candidate Starts for RosiePosie_72:
(6, 48129), (Start: 7 @48147 has 16 MA's), (11, 48168), (15, 48201), (18, 48240), (19, 48246), (21, 48267), (25, 48315), (33, 48363), (39, 48486), (40, 48522), (44, 48576),

Gene: Scavito_73 Start: 48425, Stop: 48892, Start Num: 7
Candidate Starts for Scavito_73:
(6, 48407), (Start: 7 @48425 has 16 MA's), (11, 48446), (15, 48479), (18, 48518), (19, 48524), (21, 48545), (25, 48593), (33, 48641), (39, 48764), (40, 48800), (44, 48854),

Gene: Tophat_73 Start: 48296, Stop: 48763, Start Num: 7
Candidate Starts for Tophat_73:
(6, 48278), (Start: 7 @48296 has 16 MA's), (11, 48317), (15, 48350), (18, 48389), (19, 48395), (21, 48416), (25, 48464), (33, 48512), (39, 48635), (40, 48671), (44, 48725),