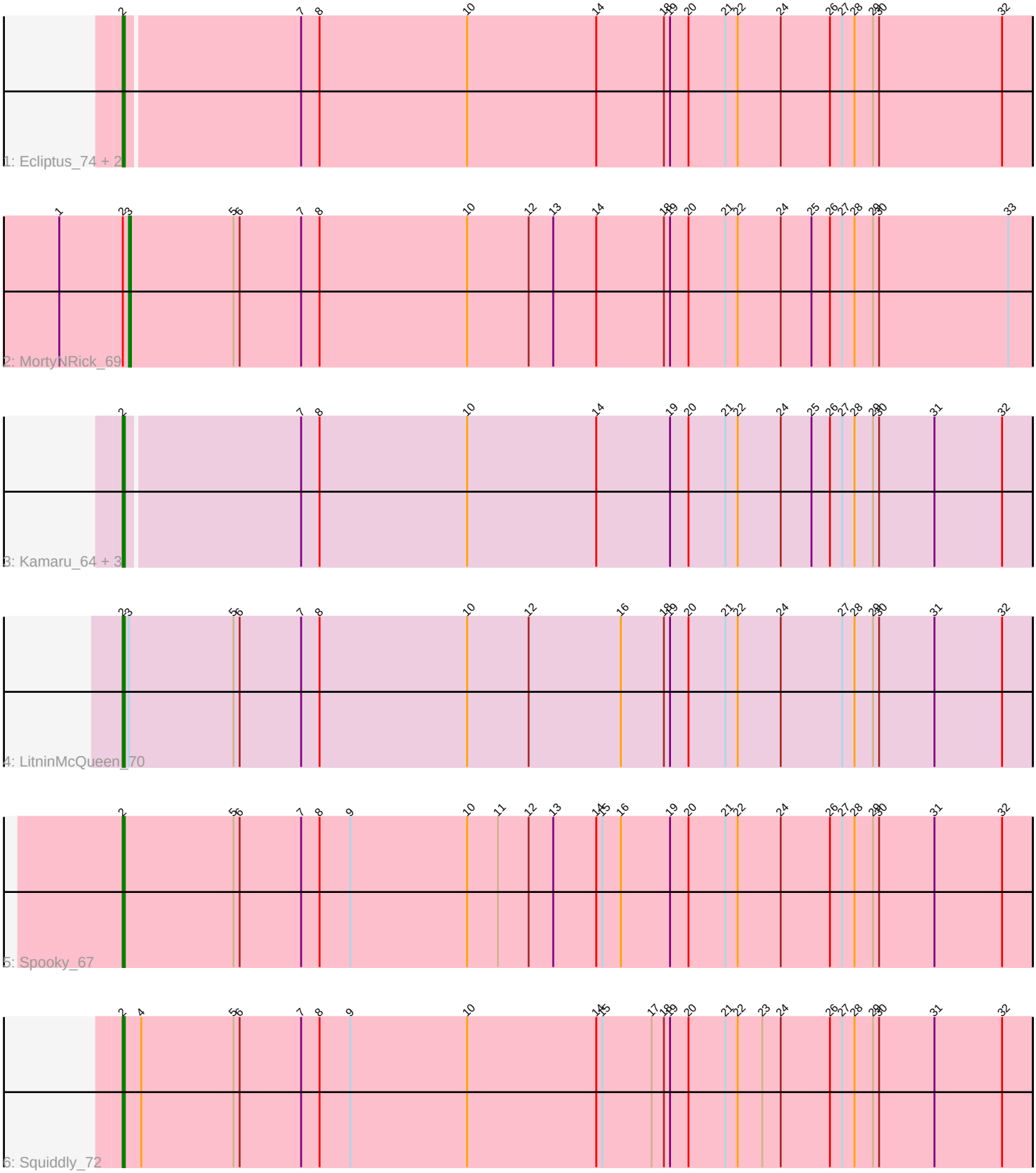
Pham 341247


1: Ecliptus_74 + 2
2: MortyNRick_69
3: Kamaru_64 + 3
4: LitninMcQueen_70
5: Spooky_67
6: Squiddly_72

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 341247 Report

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

Pham number 341247 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ecliptus_74, Kuwabara_71, CheeseTouch_73
• Track 2 : MortyNRick_69
• Track 3 : Kamaru_64, Birdsong_65, Whitney_67, Budski_72
• Track 4 : LitninMcQueen_70
• Track 5 : Spooky_67
• Track 6 : Squiddly_72

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Birdsong_65, Budski_72, CheeseTouch_73, Ecliptus_74, Kamaru_64, Kuwabara_71, LitninMcQueen_70, Spooky_67, Squiddly_72, Whitney_67,

Genes that have the "Most Annotated" start but do not call it:
• MortyNRick_69,

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

Summary by start number:

Start 2:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 90.9% of time when present
• Phage (with cluster) where this start called: Birdsong_65 (DN), Budski_72 (DN), CheeseTouch_73 (DN1), Ecliptus_74 (DN), Kamaru_64 (DN1), Kuwabara_71 (DN4), LitninMcQueen_70 (DN1), Spooky_67 (DN2), Squiddly_72 (DN2), Whitney_67 (DN1),

Start 3:
• Found in 2 of 11 (18.2%) of genes in pham

• Manual Annotations of this start: 1 of 11
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MortyNRick_69 (DN),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN4, DN1, DN2,

Info for manual annotations of cluster DN:
•Start number 2 was manually annotated 3 times for cluster DN.
•Start number 3 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 2 was manually annotated 4 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 2 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN4:
•Start number 2 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Birdsong_65 Start: 40102, Stop: 40542, Start Num: 2
Candidate Starts for Birdsong_65:
(Start: 2 @40102 has 10 MA's), (7, 40186), (8, 40195), (10, 40267), (14, 40330), (19, 40366), (20, 40375), (21, 40393), (22, 40399), (24, 40420), (25, 40435), (26, 40444), (27, 40450), (28, 40456), (29, 40465), (30, 40468), (31, 40495), (32, 40528),

Gene: Budski_72 Start: 42226, Stop: 42666, Start Num: 2
Candidate Starts for Budski_72:
(Start: 2 @42226 has 10 MA's), (7, 42310), (8, 42319), (10, 42391), (14, 42454), (19, 42490), (20, 42499), (21, 42517), (22, 42523), (24, 42544), (25, 42559), (26, 42568), (27, 42574), (28, 42580), (29, 42589), (30, 42592), (31, 42619), (32, 42652),

Gene: CheeseTouch_73 Start: 38992, Stop: 39432, Start Num: 2
Candidate Starts for CheeseTouch_73:
(Start: 2 @38992 has 10 MA's), (7, 39076), (8, 39085), (10, 39157), (14, 39220), (18, 39253), (19, 39256), (20, 39265), (21, 39283), (22, 39289), (24, 39310), (26, 39334), (27, 39340), (28, 39346), (29, 39355), (30, 39358), (32, 39418),

Gene: Ecliptus_74 Start: 44313, Stop: 44753, Start Num: 2
Candidate Starts for Ecliptus_74:
(Start: 2 @44313 has 10 MA's), (7, 44397), (8, 44406), (10, 44478), (14, 44541), (18, 44574), (19, 44577), (20, 44586), (21, 44604), (22, 44610), (24, 44631), (26, 44655), (27, 44661), (28, 44667), (29, 44676), (30, 44679), (32, 44739),

Gene: Kamaru_64 Start: 40287, Stop: 40727, Start Num: 2
Candidate Starts for Kamaru_64:
(Start: 2 @40287 has 10 MA's), (7, 40371), (8, 40380), (10, 40452), (14, 40515), (19, 40551), (20, 40560), (21, 40578), (22, 40584), (24, 40605), (25, 40620), (26, 40629), (27, 40635), (28, 40641), (29,

40650), (30, 40653), (31, 40680), (32, 40713),

Gene: Kuwabara_71 Start: 43641, Stop: 44081, Start Num: 2
Candidate Starts for Kuwabara_71:
(Start: 2 @43641 has 10 MA's), (7, 43725), (8, 43734), (10, 43806), (14, 43869), (18, 43902), (19, 43905), (20, 43914), (21, 43932), (22, 43938), (24, 43959), (26, 43983), (27, 43989), (28, 43995), (29, 44004), (30, 44007), (32, 44067),

Gene: LitninMcQueen_70 Start: 42504, Stop: 42947, Start Num: 2
Candidate Starts for LitninMcQueen_70:
(Start: 2 @42504 has 10 MA's), (Start: 3 @42507 has 1 MA's), (5, 42558), (6, 42561), (7, 42591), (8, 42600), (10, 42672), (12, 42702), (16, 42747), (18, 42768), (19, 42771), (20, 42780), (21, 42798), (22, 42804), (24, 42825), (27, 42855), (28, 42861), (29, 42870), (30, 42873), (31, 42900), (32, 42933),

Gene: MortyNRick_69 Start: 44188, Stop: 44628, Start Num: 3
Candidate Starts for MortyNRick_69:
(1, 44155), (Start: 2 @44185 has 10 MA's), (Start: 3 @44188 has 1 MA's), (5, 44239), (6, 44242), (7, 44272), (8, 44281), (10, 44353), (12, 44383), (13, 44395), (14, 44416), (18, 44449), (19, 44452), (20, 44461), (21, 44479), (22, 44485), (24, 44506), (25, 44521), (26, 44530), (27, 44536), (28, 44542), (29, 44551), (30, 44554), (33, 44617),

Gene: Spooky_67 Start: 41658, Stop: 42101, Start Num: 2
Candidate Starts for Spooky_67:
(Start: 2 @41658 has 10 MA's), (5, 41712), (6, 41715), (7, 41745), (8, 41754), (9, 41769), (10, 41826), (11, 41841), (12, 41856), (13, 41868), (14, 41889), (15, 41892), (16, 41901), (19, 41925), (20, 41934), (21, 41952), (22, 41958), (24, 41979), (26, 42003), (27, 42009), (28, 42015), (29, 42024), (30, 42027), (31, 42054), (32, 42087),

Gene: Squiddly_72 Start: 45976, Stop: 46419, Start Num: 2
Candidate Starts for Squiddly_72:
(Start: 2 @45976 has 10 MA's), (4, 45985), (5, 46030), (6, 46033), (7, 46063), (8, 46072), (9, 46087), (10, 46144), (14, 46207), (15, 46210), (17, 46234), (18, 46240), (19, 46243), (20, 46252), (21, 46270), (22, 46276), (23, 46288), (24, 46297), (26, 46321), (27, 46327), (28, 46333), (29, 46342), (30, 46345), (31, 46372), (32, 46405),

Gene: Whitney_67 Start: 42139, Stop: 42579, Start Num: 2
Candidate Starts for Whitney_67:
(Start: 2 @42139 has 10 MA's), (7, 42223), (8, 42232), (10, 42304), (14, 42367), (19, 42403), (20, 42412), (21, 42430), (22, 42436), (24, 42457), (25, 42472), (26, 42481), (27, 42487), (28, 42493), (29, 42502), (30, 42505), (31, 42532), (32, 42565),