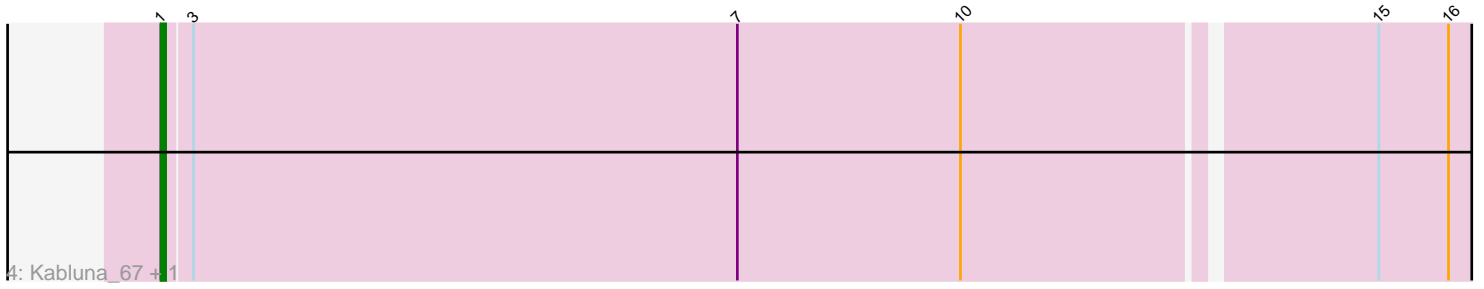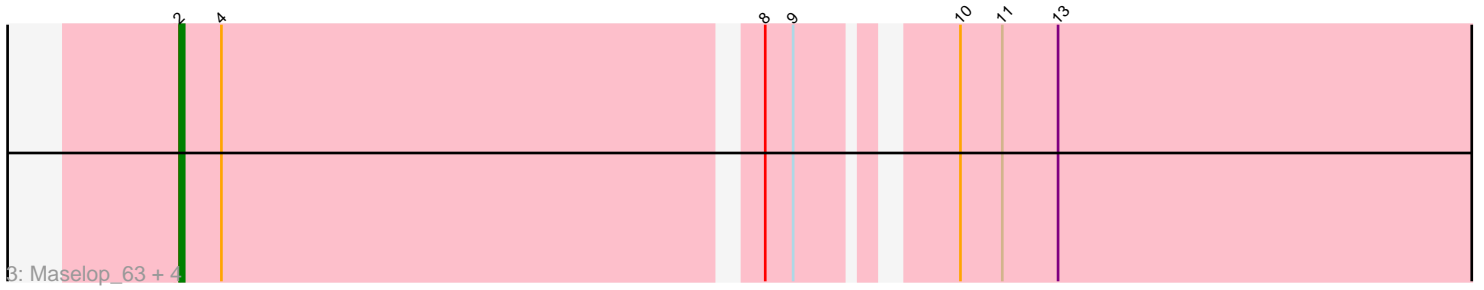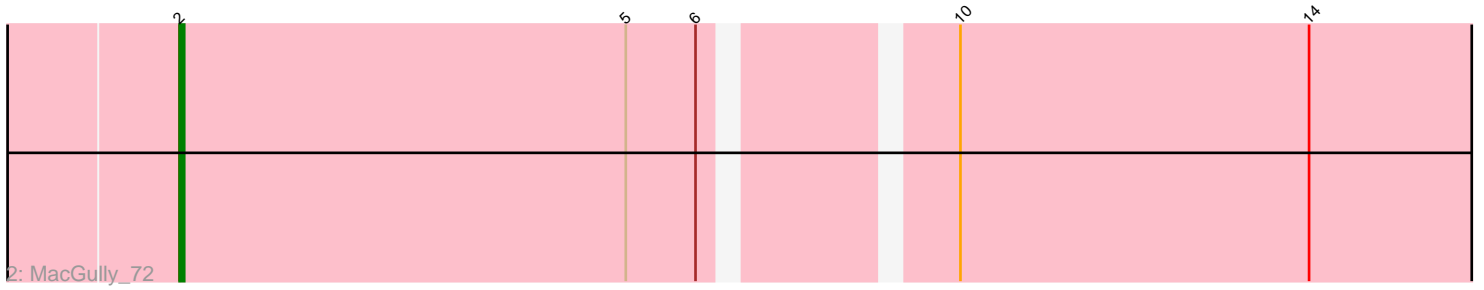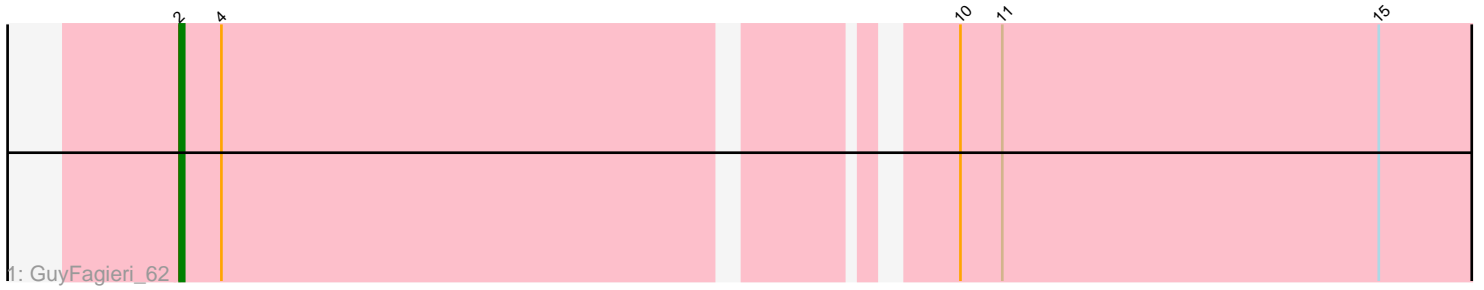# Zoomed Pham 214822

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 214822 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214822 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GuyFagieri_62
• Track 2 : MacGully_72
• Track 3 : Maselop_63, CoffeeBean_63, Braxoaddie_63, Polyyuki_63, Apiary_63
• Track 4 : Kabluna_67, Bonum_68
• Track 5 : Scuba_74, Fury_73, Pleakley_73

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 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apiary_63, Braxoaddie_63, CoffeeBean_63, GuyFagieri_62, MacGully_72, Maselop_63, Polyyuki_63,

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

Genes that do not have the "Most Annotated" start:
• Bonum_68, Fury_73, Kabluna_67, Pleakley_73, Scuba_74,

Summary by start number:

Start 1:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bonum_68 (CR2), Fury_73 (CR5), Kabluna_67 (CR2), Pleakley_73 (CR5), Scuba_74 (CR5),

Start 2:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Apiary_63 (CR), Braxoaddie_63 (CR), CoffeeBean_63 (CR), GuyFagieri_62 (CR), MacGully_72 (CR), Maselop_63 (CR), Polyyuki_63 (CR),

Summary by clusters:

There are 3 clusters represented in this pham: CR2, CR, CR5,

Info for manual annotations of cluster CR:
•Start number 2 was manually annotated 7 times for cluster CR.

Info for manual annotations of cluster CR2:
•Start number 1 was manually annotated 2 times for cluster CR2.

Info for manual annotations of cluster CR5:
•Start number 1 was manually annotated 2 times for cluster CR5.

Gene Information:

Gene: Apiary_63 Start: 47507, Stop: 46644, Start Num: 2
Candidate Starts for Apiary_63:
(Start: 2 @47507 has 7 MA's), (4, 47498), (8, 47387), (9, 47381), (10, 47354), (11, 47345), (13, 47333), (17, 47201), (18, 47192), (20, 47144), (24, 47072), (27, 46976), (28, 46955), (33, 46850),

Gene: Bonum_68 Start: 50826, Stop: 49897, Start Num: 1
Candidate Starts for Bonum_68:
(Start: 1 @50826 has 4 MA's), (3, 50820), (7, 50703), (10, 50655), (15, 50571), (16, 50556), (19, 50472), (20, 50451), (21, 50418), (22, 50406), (29, 50220), (30, 50157), (34, 50025), (35, 49995),

Gene: Braxoaddie_63 Start: 47496, Stop: 46633, Start Num: 2
Candidate Starts for Braxoaddie_63:
(Start: 2 @47496 has 7 MA's), (4, 47487), (8, 47376), (9, 47370), (10, 47343), (11, 47334), (13, 47322), (17, 47190), (18, 47181), (20, 47133), (24, 47061), (27, 46965), (28, 46944), (33, 46839),

Gene: CoffeeBean_63 Start: 47454, Stop: 46591, Start Num: 2
Candidate Starts for CoffeeBean_63:
(Start: 2 @47454 has 7 MA's), (4, 47445), (8, 47334), (9, 47328), (10, 47301), (11, 47292), (13, 47280), (17, 47148), (18, 47139), (20, 47091), (24, 47019), (27, 46923), (28, 46902), (33, 46797),

Gene: Fury_73 Start: 50445, Stop: 49570, Start Num: 1
Candidate Starts for Fury_73:
(Start: 1 @50445 has 4 MA's), (7, 50322), (10, 50286), (12, 50274), (16, 50187), (19, 50103), (24, 50001), (25, 49998), (26, 49914), (34, 49674),

Gene: GuyFagieri_62 Start: 47543, Stop: 46830, Start Num: 2
Candidate Starts for GuyFagieri_62:
(Start: 2 @47543 has 7 MA's), (4, 47534), (10, 47390), (11, 47381), (15, 47300), (17, 47237), (18, 47228), (20, 47180), (23, 47117), (24, 47108), (27, 47012),

Gene: Kabluna_67 Start: 50155, Stop: 49232, Start Num: 1
Candidate Starts for Kabluna_67:

(Start: 1 @50155 has 4 MA's), (3, 50149), (7, 50032), (10, 49984), (15, 49900), (16, 49885), (19, 49801), (20, 49780), (21, 49747), (22, 49735), (29, 49549), (30, 49486), (34, 49354), (35, 49324),

Gene: MacGully_72 Start: 50738, Stop: 49836, Start Num: 2
Candidate Starts for MacGully_72:
(Start: 2 @50738 has 7 MA's), (5, 50642), (6, 50627), (10, 50582), (14, 50507), (18, 50420), (25, 50282), (31, 50075), (32, 50048), (36, 49895),

Gene: Maselop_63 Start: 47530, Stop: 46667, Start Num: 2
Candidate Starts for Maselop_63:
(Start: 2 @47530 has 7 MA's), (4, 47521), (8, 47410), (9, 47404), (10, 47377), (11, 47368), (13, 47356), (17, 47224), (18, 47215), (20, 47167), (24, 47095), (27, 46999), (28, 46978), (33, 46873),

Gene: Pleakley_73 Start: 50446, Stop: 49571, Start Num: 1
Candidate Starts for Pleakley_73:
(Start: 1 @50446 has 4 MA's), (7, 50323), (10, 50287), (12, 50275), (16, 50188), (19, 50104), (24, 50002), (25, 49999), (26, 49915), (34, 49675),

Gene: Polyyuki_63 Start: 47519, Stop: 46656, Start Num: 2
Candidate Starts for Polyyuki_63:
(Start: 2 @47519 has 7 MA's), (4, 47510), (8, 47399), (9, 47393), (10, 47366), (11, 47357), (13, 47345), (17, 47213), (18, 47204), (20, 47156), (24, 47084), (27, 46988), (28, 46967), (33, 46862),

Gene: Scuba_74 Start: 50531, Stop: 49665, Start Num: 1
Candidate Starts for Scuba_74:
(Start: 1 @50531 has 4 MA's), (7, 50408), (10, 50372), (12, 50360), (16, 50273), (19, 50189), (24, 50087), (25, 50084), (26, 50000), (34, 49772),