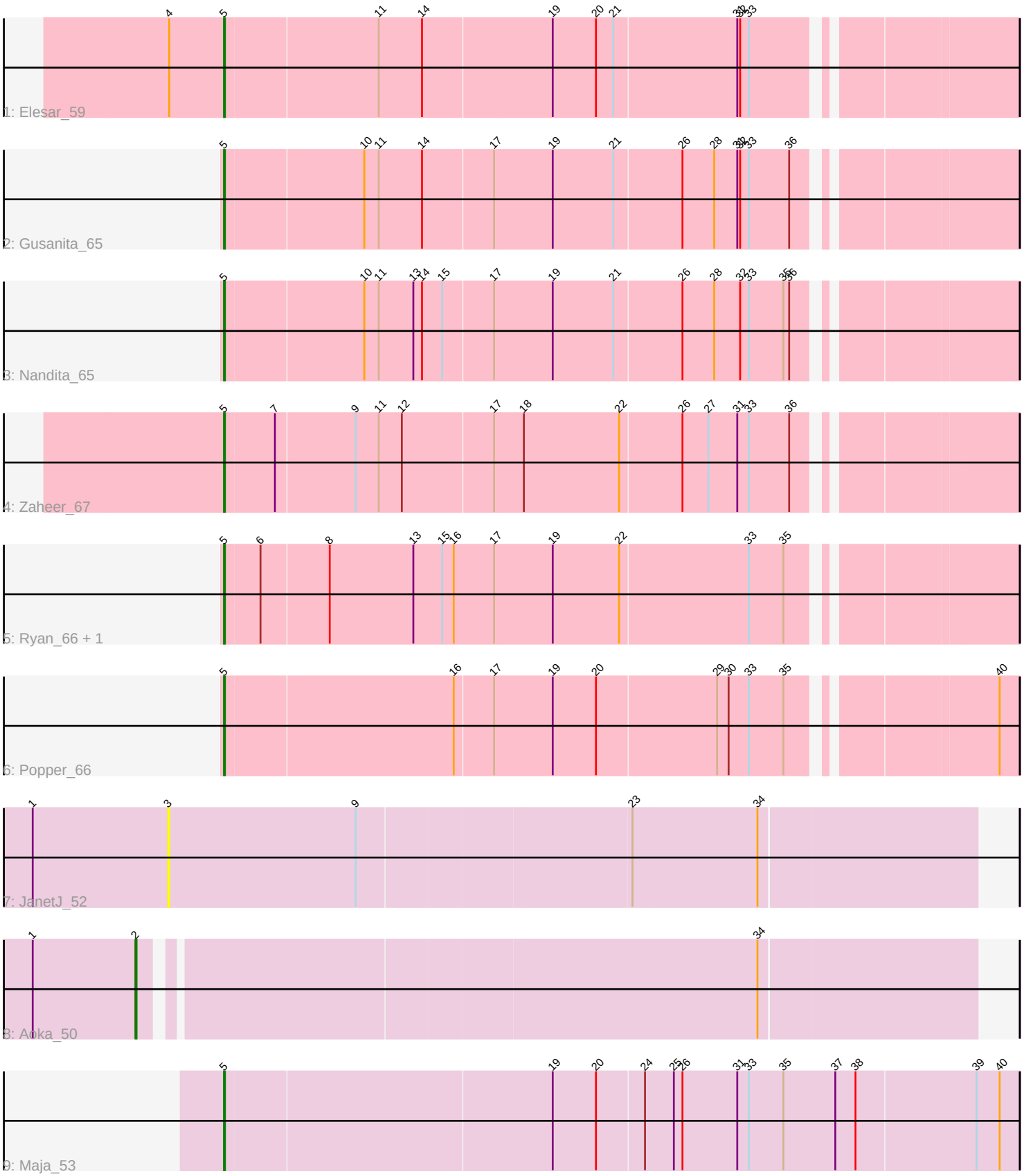
Pham 87631


1: Elesar_59
2: Gusanita_65
3: Nandita_65
4: Zaheer_67
5: Ryan_66 + 1
6: Popper_66
7: JanetJ_52
8: Aoka_50
9: Maja_53

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 87631 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87631 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Elesar_59
• Track 2 : Gusanita_65
• Track 3 : Nandita_65
• Track 4 : Zaheer_67
• Track 5 : Ryan_66, Cole_61
• Track 6 : Popper_66
• Track 7 : JanetJ_52
• Track 8 : Aoka_50
• Track 9 : Maja_53

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cole_61, Elesar_59, Gusanita_65, Maja_53, Nandita_65, Popper_66, Ryan_66, Zaheer_67,

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

Genes that do not have the "Most Annotated" start:
• Aoka_50, JanetJ_52,

Summary by start number:

Start 2:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aoka_50 (FO),

Start 3:

• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JanetJ_52 (FO),

Start 5:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cole_61 (FF), Elesar_59 (FF), Gusanita_65 (FF), Maja_53 (FO), Nandita_65 (FF), Popper_66 (FF), Ryan_66 (FF), Zaheer_67 (FF),

Summary by clusters:

There are 2 clusters represented in this pham: FF, FO,

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FO:
•Start number 2 was manually annotated 1 time for cluster FO.
•Start number 5 was manually annotated 1 time for cluster FO.

Gene Information:

Gene: Aoka_50 Start: 34001, Stop: 34834, Start Num: 2
Candidate Starts for Aoka_50:
(1, 33896), (Start: 2 @34001 has 1 MA's), (34, 34613),

Gene: Cole_61 Start: 39782, Stop: 40561, Start Num: 5
Candidate Starts for Cole_61:
(Start: 5 @39782 has 8 MA's), (6, 39818), (8, 39887), (13, 39974), (15, 40004), (16, 40016), (17, 40055), (19, 40115), (22, 40184), (33, 40316), (35, 40352),

Gene: Elesar_59 Start: 40887, Stop: 41666, Start Num: 5
Candidate Starts for Elesar_59:
(4, 40830), (Start: 5 @40887 has 8 MA's), (11, 41043), (14, 41088), (19, 41220), (20, 41265), (21, 41283), (31, 41409), (32, 41412), (33, 41421),

Gene: Gusanita_65 Start: 40592, Stop: 41371, Start Num: 5
Candidate Starts for Gusanita_65:
(Start: 5 @40592 has 8 MA's), (10, 40733), (11, 40748), (14, 40793), (17, 40865), (19, 40925), (21, 40988), (26, 41057), (28, 41090), (31, 41114), (32, 41117), (33, 41126), (36, 41168),

Gene: JanetJ_52 Start: 34536, Stop: 35357, Start Num: 3
Candidate Starts for JanetJ_52:
(1, 34395), (3, 34536), (9, 34731), (23, 35007), (34, 35136),

Gene: Maja_53 Start: 34859, Stop: 35671, Start Num: 5
Candidate Starts for Maja_53:

(Start: 5 @34859 has 8 MA's), (19, 35192), (20, 35237), (24, 35285), (25, 35315), (26, 35324), (31, 35381), (33, 35393), (35, 35429), (37, 35483), (38, 35504), (39, 35627), (40, 35651),

Gene: Nandita_65 Start: 40326, Stop: 41105, Start Num: 5
Candidate Starts for Nandita_65:
(Start: 5 @40326 has 8 MA's), (10, 40467), (11, 40482), (13, 40518), (14, 40527), (15, 40548), (17, 40599), (19, 40659), (21, 40722), (26, 40791), (28, 40824), (32, 40851), (33, 40860), (35, 40896), (36, 40902),

Gene: Popper_66 Start: 39893, Stop: 40672, Start Num: 5
Candidate Starts for Popper_66:
(Start: 5 @39893 has 8 MA's), (16, 40127), (17, 40166), (19, 40226), (20, 40271), (29, 40394), (30, 40406), (33, 40427), (35, 40463), (40, 40652),

Gene: Ryan_66 Start: 40879, Stop: 41661, Start Num: 5
Candidate Starts for Ryan_66:
(Start: 5 @40879 has 8 MA's), (6, 40915), (8, 40984), (13, 41071), (15, 41101), (16, 41113), (17, 41155), (19, 41215), (22, 41284), (33, 41416), (35, 41452),

Gene: Zaheer_67 Start: 41302, Stop: 42081, Start Num: 5
Candidate Starts for Zaheer_67:
(Start: 5 @41302 has 8 MA's), (7, 41353), (9, 41434), (11, 41458), (12, 41482), (17, 41575), (18, 41605), (22, 41704), (26, 41767), (27, 41794), (31, 41824), (33, 41836), (36, 41878),