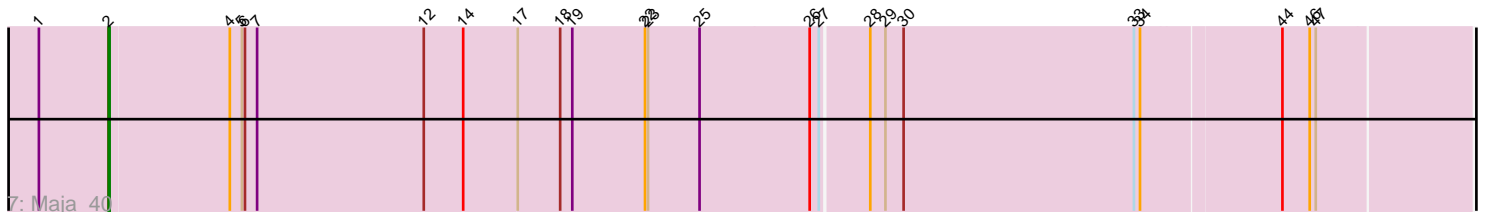
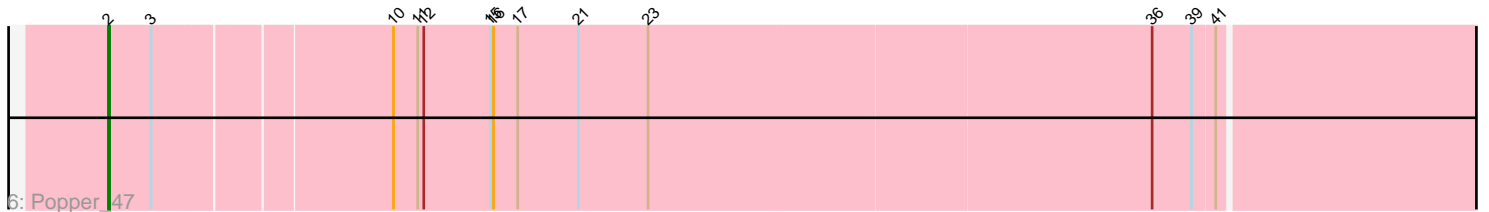
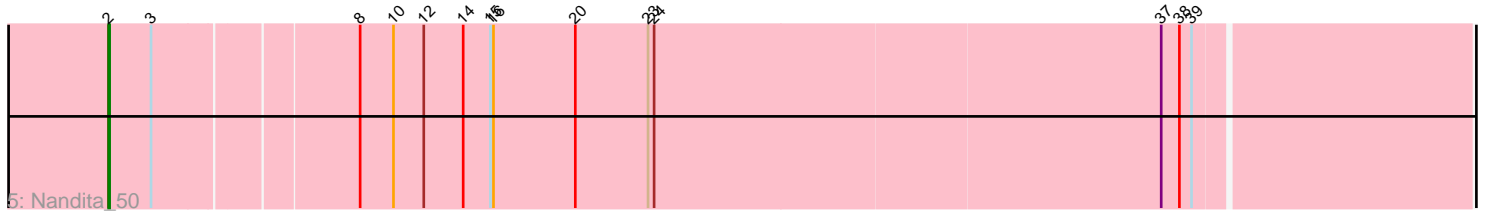
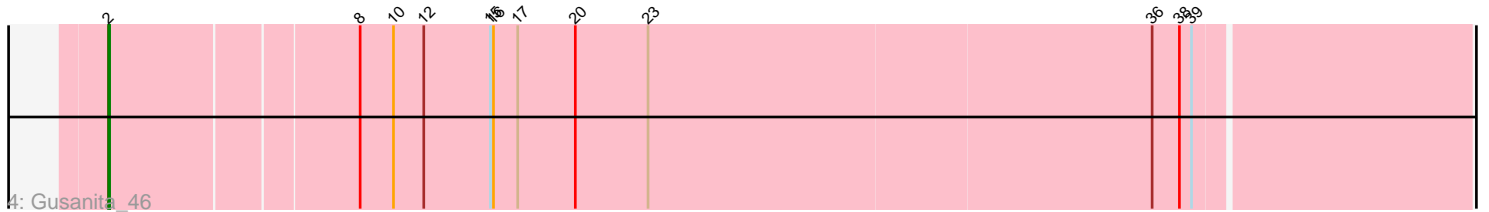
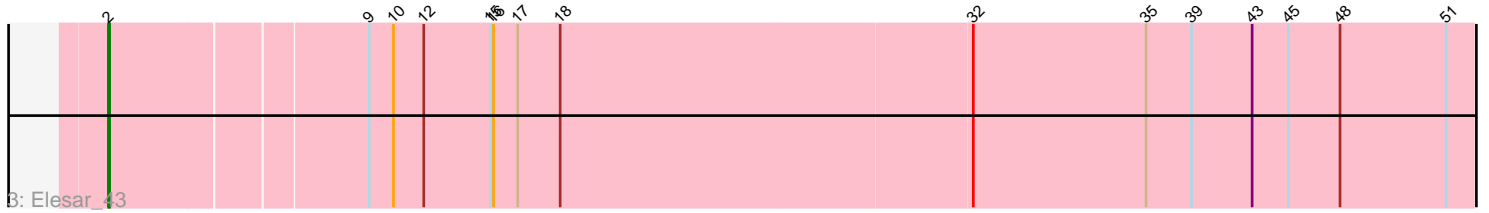
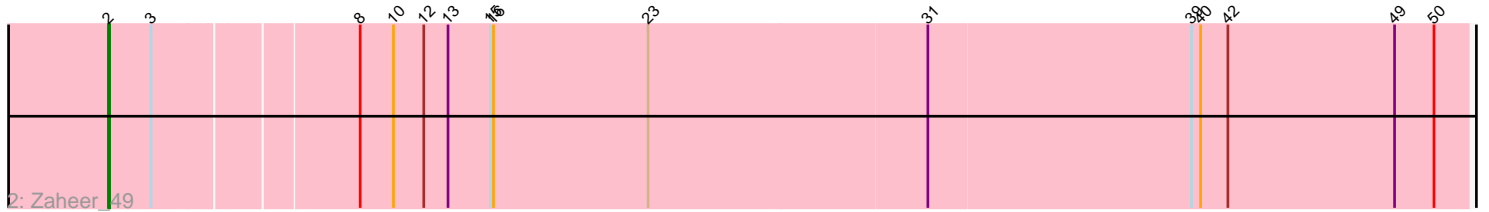
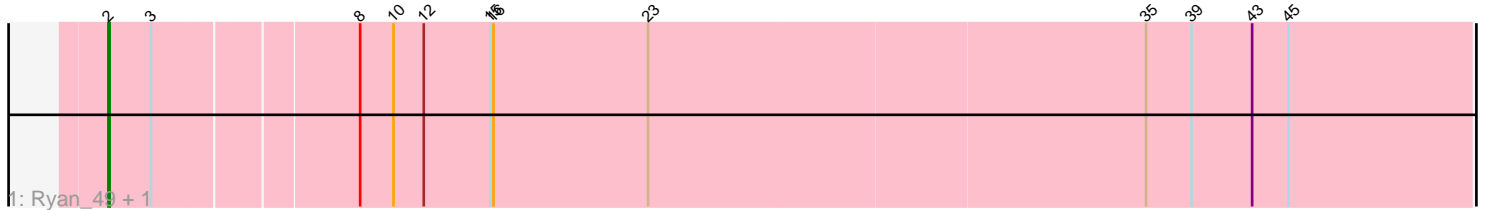


Pham 28013



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 28013 Report

This analysis was run 04/28/24 on database version 559.

Pham number 28013 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Ryan_49, Cole_45
- Track 2 : Zaheer_49
- Track 3 : Elesar_43
- Track 4 : Gusanita_46
- Track 5 : Nandita_50
- Track 6 : Popper_47
- Track 7 : Maja_40

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cole_45, Elesar_43, Gusanita_46, Maja_40, Nandita_50, Popper_47, Ryan_49, Zaheer_49,

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

-

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

-

Summary by start number:

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cole_45 (FF), Elesar_43 (FF), Gusanita_46 (FF), Maja_40 (FO), Nandita_50 (FF), Popper_47 (FF), Ryan_49 (FF), Zaheer_49 (FF),

Summary by clusters:

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

Info for manual annotations of cluster FF:

- Start number 2 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.

Gene Information:

Gene: Cole_45 Start: 31843, Stop: 33207, Start Num: 2

Candidate Starts for Cole_45:

(Start: 2 @31843 has 8 MA's), (3, 31885), (8, 32074), (10, 32107), (12, 32137), (15, 32203), (16, 32206), (23, 32359), (35, 32845), (39, 32890), (43, 32950), (45, 32986),

Gene: Elesar_43 Start: 32906, Stop: 34252, Start Num: 2

Candidate Starts for Elesar_43:

(Start: 2 @32906 has 8 MA's), (9, 33146), (10, 33170), (12, 33200), (15, 33266), (16, 33269), (17, 33293), (18, 33335), (32, 33737), (35, 33908), (39, 33953), (43, 34013), (45, 34049), (48, 34100), (51, 34205),

Gene: Gusanita_46 Start: 32574, Stop: 33932, Start Num: 2

Candidate Starts for Gusanita_46:

(Start: 2 @32574 has 8 MA's), (8, 32805), (10, 32838), (12, 32868), (15, 32934), (16, 32937), (17, 32961), (20, 33018), (23, 33090), (36, 33582), (38, 33609), (39, 33621),

Gene: Maja_40 Start: 28626, Stop: 29954, Start Num: 2

Candidate Starts for Maja_40:

(1, 28557), (Start: 2 @28626 has 8 MA's), (4, 28743), (5, 28755), (6, 28758), (7, 28770), (12, 28935), (14, 28974), (17, 29025), (18, 29067), (19, 29079), (22, 29151), (23, 29154), (25, 29205), (26, 29313), (27, 29322), (28, 29367), (29, 29382), (30, 29400), (33, 29628), (34, 29634), (44, 29766), (46, 29793), (47, 29799),

Gene: Nandita_50 Start: 32364, Stop: 33722, Start Num: 2

Candidate Starts for Nandita_50:

(Start: 2 @32364 has 8 MA's), (3, 32406), (8, 32595), (10, 32628), (12, 32658), (14, 32697), (15, 32724), (16, 32727), (20, 32808), (23, 32880), (24, 32886), (37, 33381), (38, 33399), (39, 33411),

Gene: Popper_47 Start: 31973, Stop: 33337, Start Num: 2

Candidate Starts for Popper_47:

(Start: 2 @31973 has 8 MA's), (3, 32015), (10, 32237), (11, 32261), (12, 32267), (15, 32333), (16, 32336), (17, 32360), (21, 32420), (23, 32489), (36, 32981), (39, 33020), (41, 33041),

Gene: Ryan_49 Start: 32610, Stop: 33974, Start Num: 2

Candidate Starts for Ryan_49:

(Start: 2 @32610 has 8 MA's), (3, 32652), (8, 32841), (10, 32874), (12, 32904), (15, 32970), (16, 32973), (23, 33126), (35, 33612), (39, 33657), (43, 33717), (45, 33753),

Gene: Zaheer_49 Start: 33207, Stop: 34574, Start Num: 2

Candidate Starts for Zaheer_49:

(Start: 2 @33207 has 8 MA's), (3, 33249), (8, 33438), (10, 33471), (12, 33501), (13, 33525), (15, 33567), (16, 33570), (23, 33723), (31, 33996), (39, 34254), (40, 34263), (42, 34290), (49, 34455), (50, 34494),