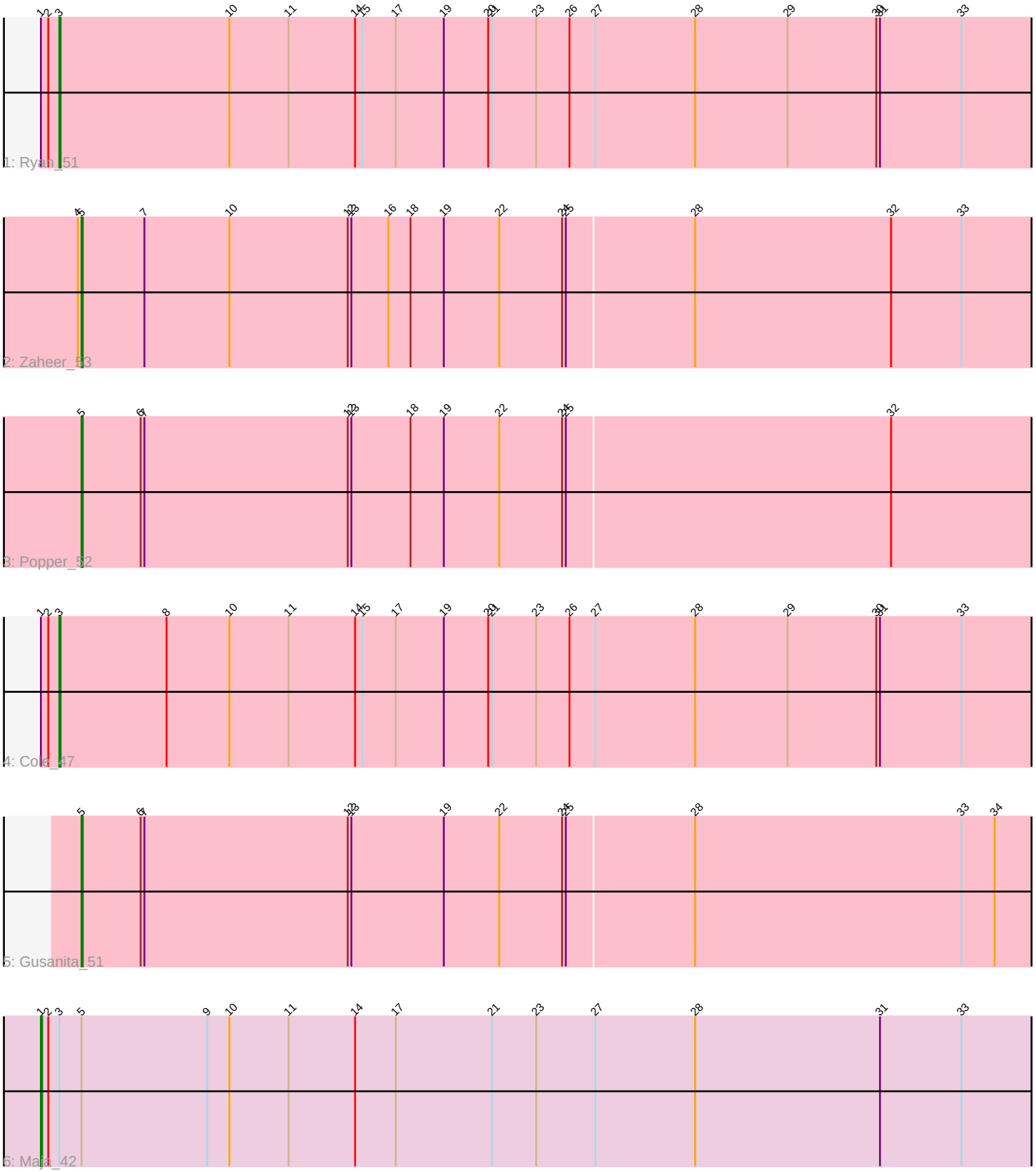
Pham 156979


1: Ryan_51
2: Zaheer_53
3: Popper_32
4: Cole_47
5: Gusanita_51
6: Maja_42

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 156979 Report

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

Pham number 156979 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ryan_51
• Track 2 : Zaheer_53
• Track 3 : Popper_52
• Track 4 : Cole_47
• Track 5 : Gusanita_51
• Track 6 : Maja_42

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gusanita_51, Popper_52, Zaheer_53,

Genes that have the "Most Annotated" start but do not call it:
• Maja_42,

Genes that do not have the "Most Annotated" start:
• Cole_47, Ryan_51,

Summary by start number:

Start 1:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Maja_42 (FO),

Start 3:
• Found in 3 of 6 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Cole_47 (FF), Ryan_51 (FF),

Start 5:
• Found in 4 of 6 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Gusanita_51 (FF), Popper_52 (FF), Zaheer_53 (FF),

Summary by clusters:

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

Info for manual annotations of cluster FF:
•Start number 3 was manually annotated 2 times for cluster FF.
•Start number 5 was manually annotated 3 times for cluster FF.

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

Gene Information:

Gene: Cole_47 Start: 33705, Stop: 34544, Start Num: 3
Candidate Starts for Cole_47:
(Start: 1 @33690 has 1 MA's), (2, 33696), (Start: 3 @33705 has 2 MA's), (8, 33792), (10, 33843), (11, 33891), (14, 33945), (15, 33951), (17, 33978), (19, 34017), (20, 34053), (21, 34056), (23, 34092), (26, 34119), (27, 34140), (28, 34221), (29, 34296), (30, 34368), (31, 34371), (33, 34437),

Gene: Gusanita_51 Start: 34996, Stop: 35799, Start Num: 5
Candidate Starts for Gusanita_51:
(Start: 5 @34996 has 3 MA's), (6, 35044), (7, 35047), (12, 35212), (13, 35215), (19, 35290), (22, 35335), (24, 35386), (25, 35389), (28, 35491), (33, 35707), (34, 35734),

Gene: Maja_42 Start: 30329, Stop: 31183, Start Num: 1
Candidate Starts for Maja_42:
(Start: 1 @30329 has 1 MA's), (2, 30335), (Start: 3 @30344 has 2 MA's), (Start: 5 @30362 has 3 MA's), (9, 30464), (10, 30482), (11, 30530), (14, 30584), (17, 30617), (21, 30695), (23, 30731), (27, 30779), (28, 30860), (31, 31010), (33, 31076),

Gene: Popper_52 Start: 34367, Stop: 35170, Start Num: 5
Candidate Starts for Popper_52:
(Start: 5 @34367 has 3 MA's), (6, 34415), (7, 34418), (12, 34583), (13, 34586), (18, 34634), (19, 34661), (22, 34706), (24, 34757), (25, 34760), (32, 35021),

Gene: Ryan_51 Start: 34472, Stop: 35311, Start Num: 3
Candidate Starts for Ryan_51:
(Start: 1 @34457 has 1 MA's), (2, 34463), (Start: 3 @34472 has 2 MA's), (10, 34610), (11, 34658), (14, 34712), (15, 34718), (17, 34745), (19, 34784), (20, 34820), (21, 34823), (23, 34859), (26, 34886), (27, 34907), (28, 34988), (29, 35063), (30, 35135), (31, 35138), (33, 35204),

Gene: Zaheer_53 Start: 35680, Stop: 36483, Start Num: 5
Candidate Starts for Zaheer_53:

(4, 35677), (Start: 5 @35680 has 3 MA's), (7, 35731), (10, 35800), (12, 35896), (13, 35899), (16, 35929), (18, 35947), (19, 35974), (22, 36019), (24, 36070), (25, 36073), (28, 36175), (32, 36334), (33, 36391),