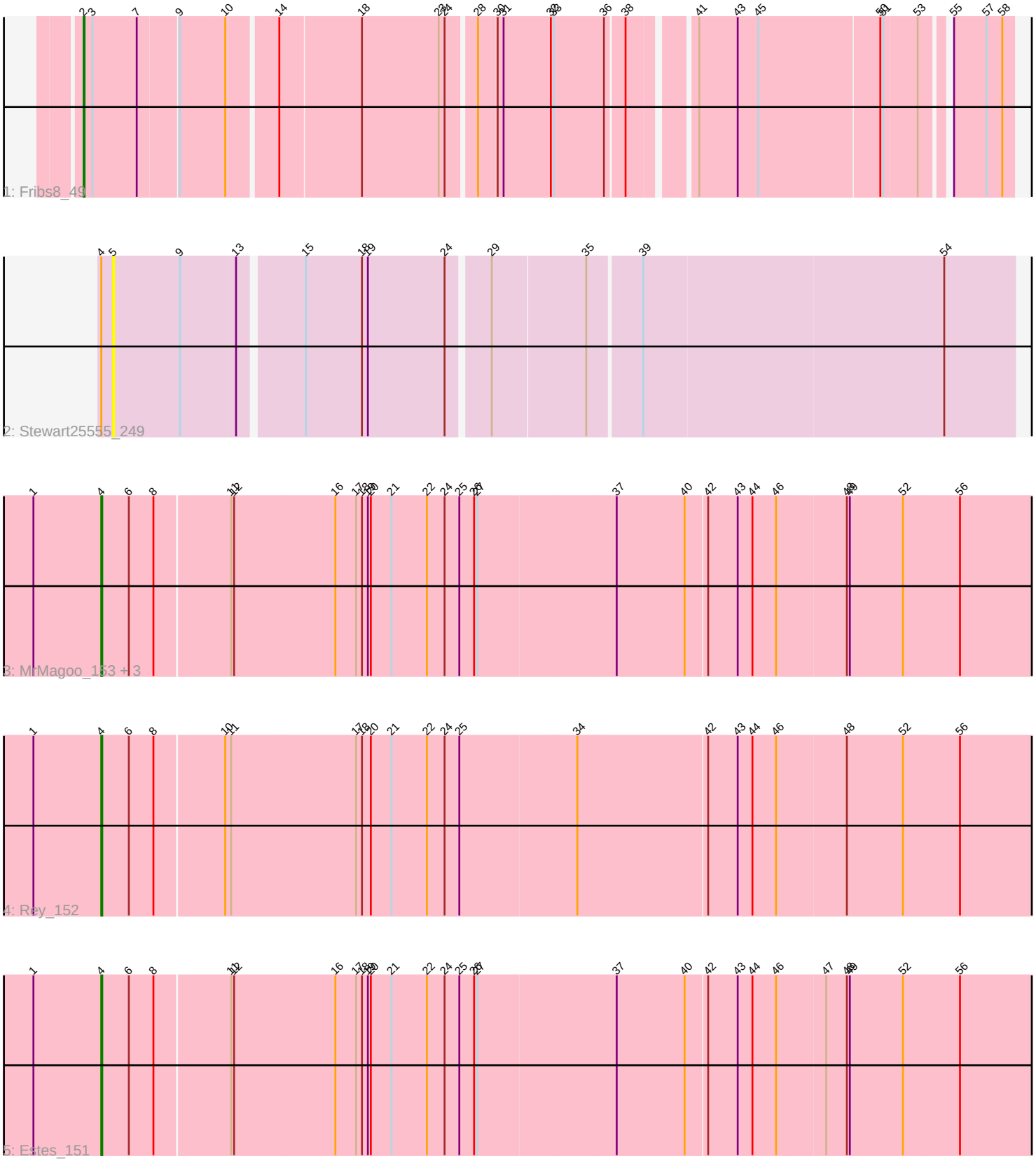
Pham 348311


1: Fribs8_49
2: Stewart25555_249
3: MrMagoo_153 +3
4: Rey_152
5: Estes_151

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 348311 Report

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

Pham number 348311 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Fribs8_49
• Track 2 : Stewart25555_249
• Track 3 : MrMagoo_153, GardenSalsa_151, GenevaB15_152, Aziz_149
• Track 4 : Rey_152
• Track 5 : Estes_151

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aziz_149, Estes_151, GardenSalsa_151, GenevaB15_152, MrMagoo_153, Rey_152,

Genes that have the "Most Annotated" start but do not call it:
• Stewart25555_249,

Genes that do not have the "Most Annotated" start:
• Fribs8_49,

Summary by start number:

Start 2:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fribs8_49 (CT),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Aziz_149 (M2), Estes_151 (M2), GardenSalsa_151 (M2), GenevaB15_152 (M2), MrMagoo_153 (M2), Rey_152 (M2),

Start 5:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stewart25555_249 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: FC, CT, M2,

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

Info for manual annotations of cluster M2:
•Start number 4 was manually annotated 6 times for cluster M2.

Gene Information:

Gene: Aziz_149 Start: 72720, Stop: 71782, Start Num: 4
Candidate Starts for Aziz_149:
(1, 72789), (Start: 4 @72720 has 6 MA's), (6, 72693), (8, 72669), (11, 72594), (12, 72591), (16, 72489), (17, 72468), (18, 72462), (19, 72456), (20, 72453), (21, 72432), (22, 72396), (24, 72378), (25, 72363), (26, 72348), (27, 72345), (37, 72207), (40, 72138), (42, 72117), (43, 72087), (44, 72072), (46, 72048), (48, 71979), (49, 71976), (52, 71922), (56, 71865),

Gene: Estes_151 Start: 73089, Stop: 72151, Start Num: 4
Candidate Starts for Estes_151:
(1, 73158), (Start: 4 @73089 has 6 MA's), (6, 73062), (8, 73038), (11, 72963), (12, 72960), (16, 72858), (17, 72837), (18, 72831), (19, 72825), (20, 72822), (21, 72801), (22, 72765), (24, 72747), (25, 72732), (26, 72717), (27, 72714), (37, 72576), (40, 72507), (42, 72486), (43, 72456), (44, 72441), (46, 72417), (47, 72369), (48, 72348), (49, 72345), (52, 72291), (56, 72234),

Gene: Fribs8_49 Start: 38551, Stop: 37679, Start Num: 2
Candidate Starts for Fribs8_49:
(Start: 2 @38551 has 1 MA's), (3, 38542), (7, 38497), (9, 38458), (10, 38413), (14, 38368), (18, 38287), (23, 38209), (24, 38203), (28, 38176), (30, 38158), (31, 38152), (32, 38104), (33, 38101), (36, 38050), (38, 38032), (41, 37975), (43, 37936), (45, 37915), (50, 37795), (51, 37792), (53, 37759), (55, 37738), (57, 37705), (58, 37690),

Gene: GardenSalsa_151 Start: 73256, Stop: 72318, Start Num: 4
Candidate Starts for GardenSalsa_151:
(1, 73325), (Start: 4 @73256 has 6 MA's), (6, 73229), (8, 73205), (11, 73130), (12, 73127), (16, 73025), (17, 73004), (18, 72998), (19, 72992), (20, 72989), (21, 72968), (22, 72932), (24, 72914), (25, 72899), (26, 72884), (27, 72881), (37, 72743), (40, 72674), (42, 72653), (43, 72623), (44, 72608), (46, 72584), (48, 72515), (49, 72512), (52, 72458), (56, 72401),

Gene: GenevaB15_152 Start: 72720, Stop: 71782, Start Num: 4

Candidate Starts for GenevaB15_152:
(1, 72789), (Start: 4 @72720 has 6 MA's), (6, 72693), (8, 72669), (11, 72594), (12, 72591), (16, 72489), (17, 72468), (18, 72462), (19, 72456), (20, 72453), (21, 72432), (22, 72396), (24, 72378), (25, 72363), (26, 72348), (27, 72345), (37, 72207), (40, 72138), (42, 72117), (43, 72087), (44, 72072), (46, 72048), (48, 71979), (49, 71976), (52, 71922), (56, 71865),

Gene: MrMagoo_153 Start: 73257, Stop: 72319, Start Num: 4
Candidate Starts for MrMagoo_153:
(1, 73326), (Start: 4 @73257 has 6 MA's), (6, 73230), (8, 73206), (11, 73131), (12, 73128), (16, 73026), (17, 73005), (18, 72999), (19, 72993), (20, 72990), (21, 72969), (22, 72933), (24, 72915), (25, 72900), (26, 72885), (27, 72882), (37, 72744), (40, 72675), (42, 72654), (43, 72624), (44, 72609), (46, 72585), (48, 72516), (49, 72513), (52, 72459), (56, 72402),

Gene: Rey_152 Start: 72507, Stop: 71569, Start Num: 4
Candidate Starts for Rey_152:
(1, 72576), (Start: 4 @72507 has 6 MA's), (6, 72480), (8, 72456), (10, 72387), (11, 72381), (17, 72255), (18, 72249), (20, 72240), (21, 72219), (22, 72183), (24, 72165), (25, 72150), (34, 72033), (42, 71904), (43, 71874), (44, 71859), (46, 71835), (48, 71766), (52, 71709), (56, 71652),

Gene: Stewart25555_249 Start: 161740, Stop: 162612, Start Num: 5
Candidate Starts for Stewart25555_249:
(Start: 4 @161728 has 6 MA's), (5, 161740), (9, 161806), (13, 161860), (15, 161920), (18, 161977), (19, 161983), (24, 162061), (29, 162100), (35, 162190), (39, 162241), (54, 162541),