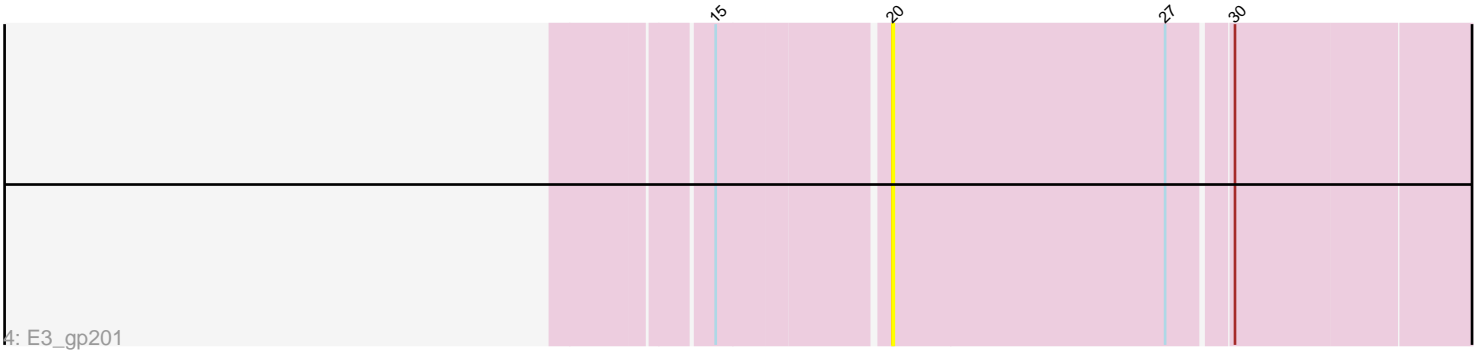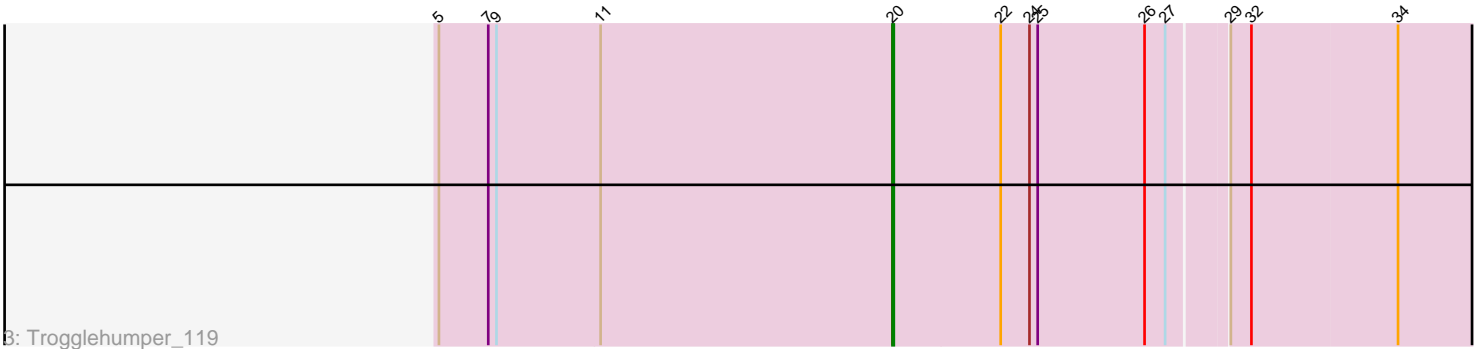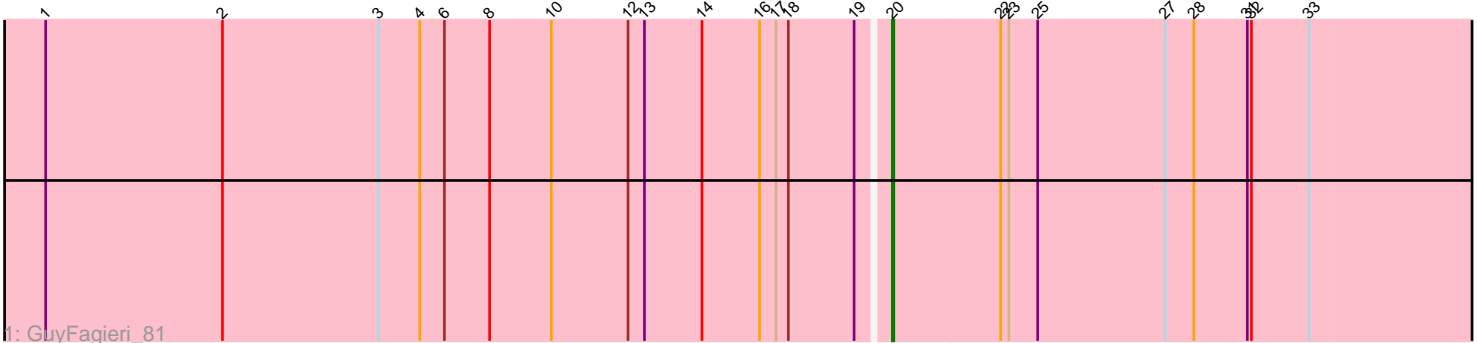# Pham 89148

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 89148 Report

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

Pham number 89148 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GuyFagieri_81
• Track 2 : MacGully_94
• Track 3 : Trogglehumper_119
• Track 4 : E3_gp201

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

The start number called the most often in the published annotations is 20, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• E3_gp201, GuyFagieri_81, MacGully_94, Trogglehumper_119,

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 20:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp201 (singleton), GuyFagieri_81 (CR), MacGully_94 (CR), Trogglehumper_119 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: CR, singleton,

Info for manual annotations of cluster CR:
•Start number 20 was manually annotated 2 times for cluster CR.

Gene Information:

Gene: E3_gp201 Start: 130852, Stop: 131274, Start Num: 20
Candidate Starts for E3_gp201:
(15, 130735), (Start: 20 @130852 has 3 MA's), (27, 131050), (30, 131092),

Gene: GuyFagieri_81 Start: 58701, Stop: 59135, Start Num: 20
Candidate Starts for GuyFagieri_81:
(1, 58095), (2, 58224), (3, 58338), (4, 58368), (6, 58386), (8, 58419), (10, 58464), (12, 58518), (13, 58530), (14, 58572), (16, 58614), (17, 58623), (18, 58632), (19, 58680), (Start: 20 @58701 has 3 MA's), (22, 58779), (23, 58785), (25, 58806), (27, 58899), (28, 58920), (31, 58959), (32, 58962), (33, 59004),

Gene: MacGully_94 Start: 62420, Stop: 62851, Start Num: 20
Candidate Starts for MacGully_94:
(Start: 20 @62420 has 3 MA's), (21, 62471), (23, 62504), (31, 62675), (35, 62795), (36, 62807),

Gene: Trogglehumper_119 Start: 80044, Stop: 79613, Start Num: 20
Candidate Starts for Trogglehumper_119:
(5, 80374), (7, 80338), (9, 80332), (11, 80257), (Start: 20 @80044 has 3 MA's), (22, 79966), (24, 79945), (25, 79939), (26, 79861), (27, 79846), (29, 79807), (32, 79792), (34, 79687),