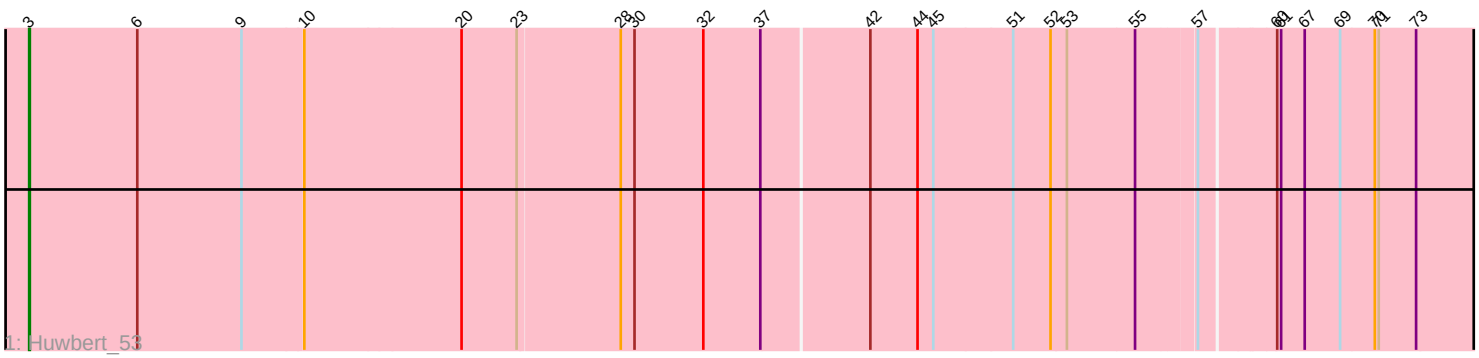
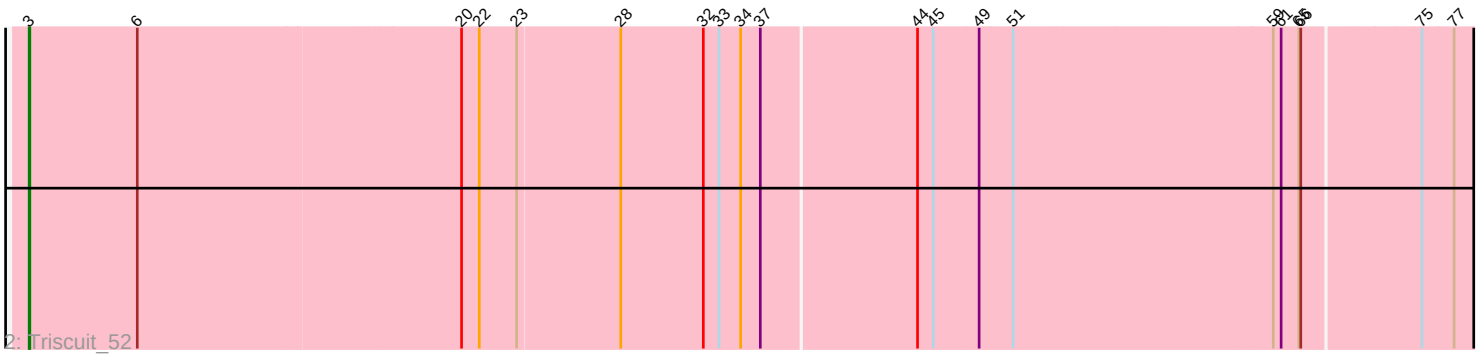
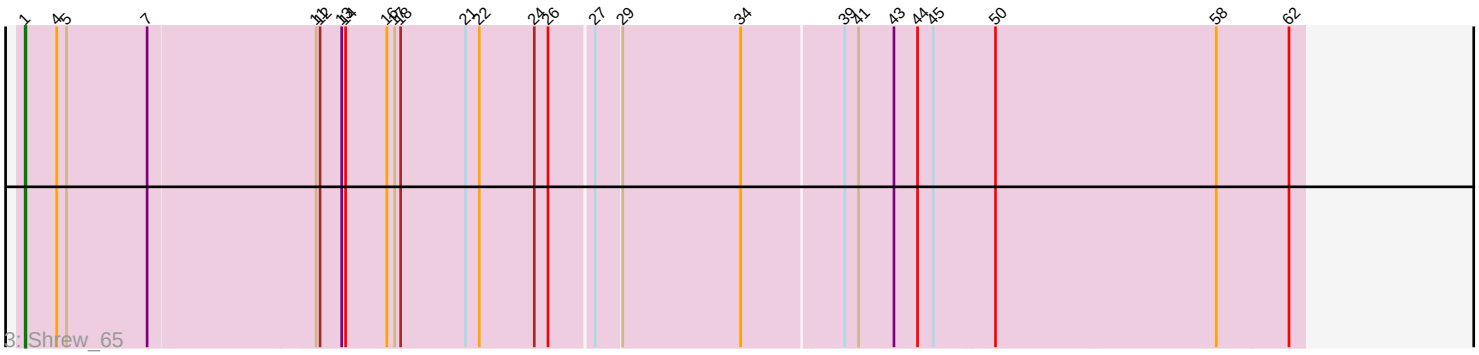
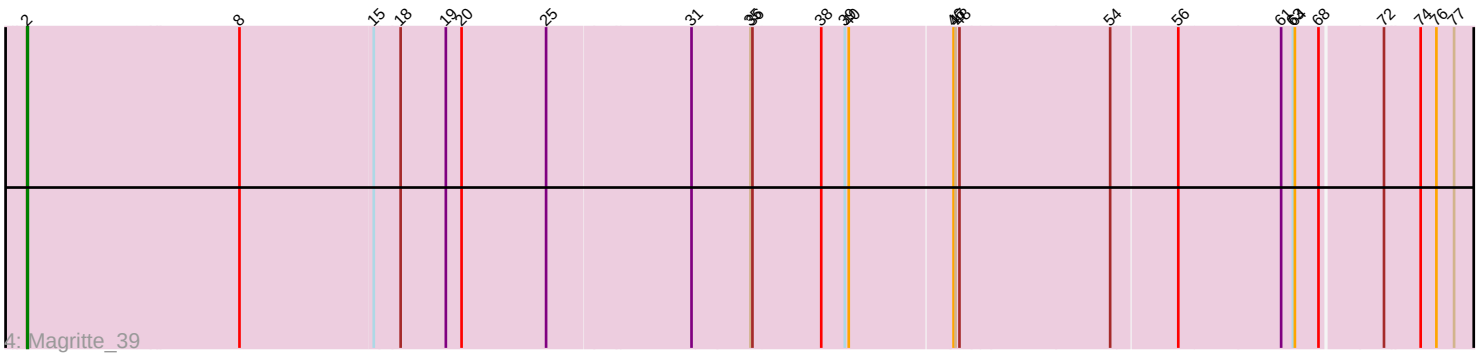
Pham 346642









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 346642 Report

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

Pham number 346642 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Huwbert_53
• Track 2 : Triscuit_52
• Track 3 : Shrew_65
• Track 4 : Magritte_39

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Huwbert_53, Triscuit_52,

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

Genes that do not have the "Most Annotated" start:
• Magritte_39, Shrew_65,

Summary by start number:

Start 1:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shrew_65 (singleton),

Start 2:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Magritte_39 (singleton),

Start 3:

• Found in 2 of 4 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Huwbert_53 (GG), Triscuit_52 (GG),

Summary by clusters:

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

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

Gene Information:

Gene: Huwbert_53 Start: 32539, Stop: 34689, Start Num: 3
Candidate Starts for Huwbert_53:
(Start: 3 @32539 has 2 MA's), (6, 32704), (9, 32863), (10, 32953), (20, 33190), (23, 33274), (28, 33427), (30, 33448), (32, 33553), (37, 33640), (42, 33796), (44, 33868), (45, 33892), (51, 34012), (52, 34069), (53, 34093), (55, 34195), (57, 34276), (60, 34381), (61, 34387), (67, 34423), (69, 34477), (70, 34528), (71, 34534), (73, 34591),

Gene: Magritte_39 Start: 41115, Stop: 43271, Start Num: 2
Candidate Starts for Magritte_39:
(Start: 2 @41115 has 1 MA's), (8, 41433), (15, 41634), (18, 41673), (19, 41742), (20, 41766), (25, 41895), (31, 42108), (35, 42195), (36, 42198), (38, 42300), (39, 42336), (40, 42342), (46, 42495), (47, 42498), (48, 42504), (54, 42729), (56, 42825), (61, 42978), (63, 42996), (64, 42999), (68, 43035), (72, 43125), (74, 43179), (76, 43203), (77, 43230),

Gene: Shrew_65 Start: 37066, Stop: 38961, Start Num: 1
Candidate Starts for Shrew_65:
(Start: 1 @37066 has 1 MA's), (4, 37114), (5, 37129), (7, 37249), (11, 37492), (12, 37498), (13, 37531), (14, 37537), (16, 37597), (17, 37609), (18, 37618), (21, 37717), (22, 37738), (24, 37819), (26, 37840), (27, 37903), (29, 37939), (34, 38119), (39, 38269), (41, 38290), (43, 38344), (44, 38380), (45, 38404), (50, 38497), (58, 38830), (62, 38938),

Gene: Triscuit_52 Start: 32444, Stop: 34600, Start Num: 3
Candidate Starts for Triscuit_52:
(Start: 3 @32444 has 2 MA's), (6, 32609), (20, 33092), (22, 33119), (23, 33176), (28, 33329), (32, 33455), (33, 33479), (34, 33512), (37, 33542), (44, 33770), (45, 33794), (49, 33863), (51, 33914), (59, 34301), (61, 34313), (65, 34340), (66, 34343), (75, 34511), (77, 34559),