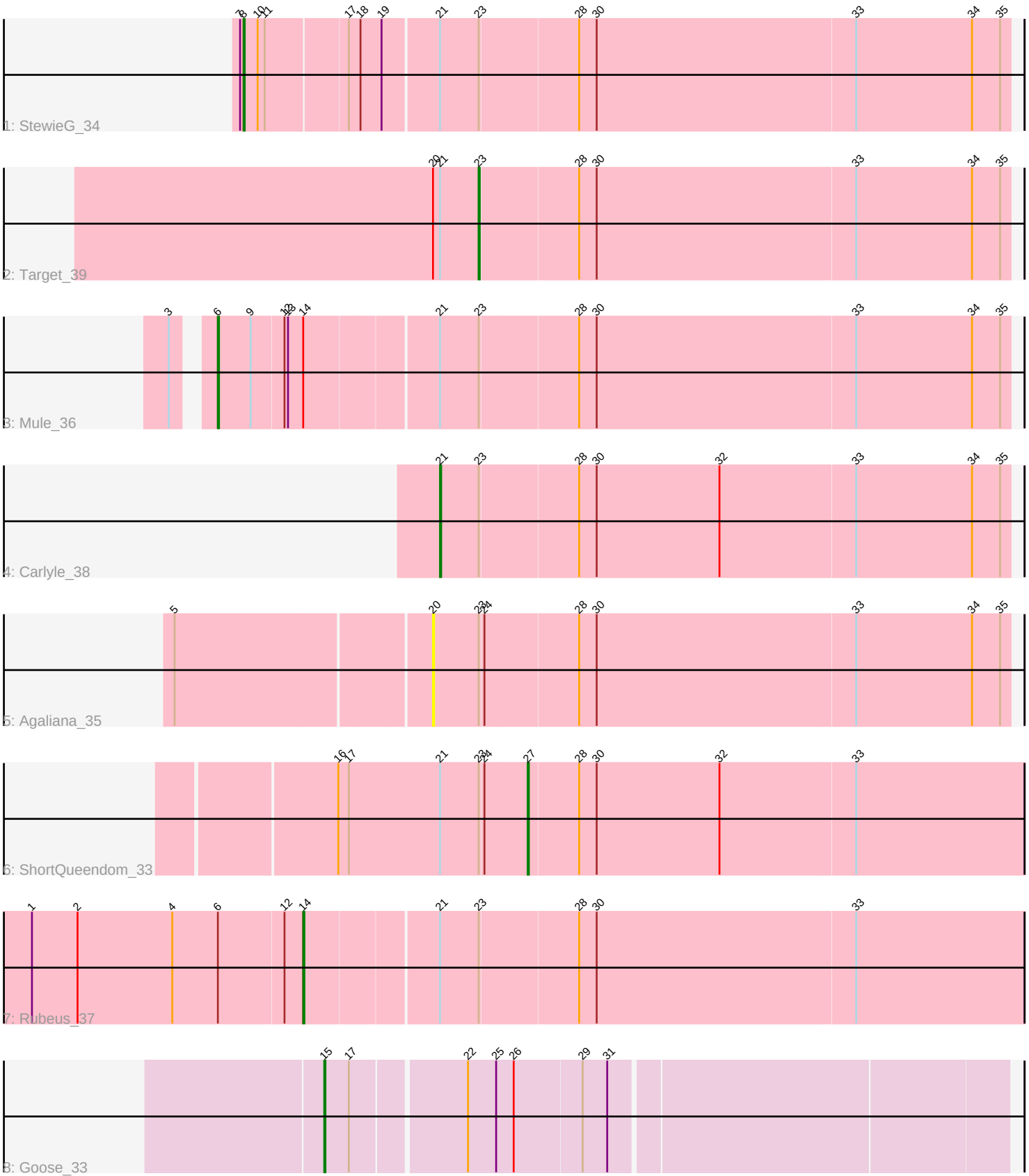
Pham 346465


1: StewieG_34
2: Target_39
3: Mule_36
4: Carlyle_38
5: Agaliana_35
6: ShortQueendom_33
7: Rubeus_37
8: Goose_33

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 346465 Report

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

Pham number 346465 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : StewieG_34
• Track 2 : Target_39
• Track 3 : Mule_36
• Track 4 : Carlyle_38
• Track 5 : Agaliana_35
• Track 6 : ShortQueendom_33
• Track 7 : Rubeus_37
• Track 8 : Goose_33

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

The start number called the most often in the published annotations is 27, it was called in 1 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ShortQueendom_33,

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

Genes that do not have the "Most Annotated" start:
• Agaliana_35, Carlyle_38, Goose_33, Mule_36, Rubeus_37, StewieG_34, Target_39,

Summary by start number:

Start 6:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Mule_36 (A1),

Start 8:
• 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: StewieG_34 (A1),

Start 14:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rubeus_37 (A1),

Start 15:
• 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: Goose_33 (A10),

Start 20:
• Found in 2 of 8 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Agaliana_35 (A1),

Start 21:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Carlyle_38 (A1),

Start 23:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Target_39 (A1),

Start 27:
• 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: ShortQueendom_33 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, A10,

Info for manual annotations of cluster A1:
•Start number 6 was manually annotated 1 time for cluster A1.
•Start number 8 was manually annotated 1 time for cluster A1.
•Start number 14 was manually annotated 1 time for cluster A1.
•Start number 21 was manually annotated 1 time for cluster A1.
•Start number 23 was manually annotated 1 time for cluster A1.
•Start number 27 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

•Start number 15 was manually annotated 1 time for cluster A10.

Gene Information:

Gene: Agaliana_35 Start: 27302, Stop: 27787, Start Num: 20
Candidate Starts for Agaliana_35:
(5, 27092), (20, 27302), (Start: 23 @27341 has 1 MA's), (24, 27344), (28, 27422), (30, 27437), (33, 27656), (34, 27755), (35, 27779),

Gene: Carlyle_38 Start: 29159, Stop: 29638, Start Num: 21
Candidate Starts for Carlyle_38:
(Start: 21 @29159 has 1 MA's), (Start: 23 @29192 has 1 MA's), (28, 29273), (30, 29288), (32, 29393), (33, 29507), (34, 29606), (35, 29630),

Gene: Goose_33 Start: 25719, Stop: 25162, Start Num: 15
Candidate Starts for Goose_33:
(Start: 15 @25719 has 1 MA's), (17, 25698), (22, 25605), (25, 25581), (26, 25566), (29, 25509), (31, 25488),

Gene: Mule_36 Start: 28491, Stop: 29147, Start Num: 6
Candidate Starts for Mule_36:
(3, 28467), (Start: 6 @28491 has 1 MA's), (9, 28518), (12, 28545), (13, 28548), (Start: 14 @28560 has 1 MA's), (Start: 21 @28668 has 1 MA's), (Start: 23 @28701 has 1 MA's), (28, 28782), (30, 28797), (33, 29016), (34, 29115), (35, 29139),

Gene: Rubeus_37 Start: 28670, Stop: 29269, Start Num: 14
Candidate Starts for Rubeus_37:
(1, 28442), (2, 28481), (4, 28562), (Start: 6 @28601 has 1 MA's), (12, 28655), (Start: 14 @28670 has 1 MA's), (Start: 21 @28778 has 1 MA's), (Start: 23 @28811 has 1 MA's), (28, 28892), (30, 28907), (33, 29126),

Gene: ShortQueendom_33 Start: 27229, Stop: 27648, Start Num: 27
Candidate Starts for ShortQueendom_33:
(16, 27070), (17, 27079), (Start: 21 @27157 has 1 MA's), (Start: 23 @27190 has 1 MA's), (24, 27193), (Start: 27 @27229 has 1 MA's), (28, 27271), (30, 27286), (32, 27391), (33, 27505),

Gene: StewieG_34 Start: 28041, Stop: 28676, Start Num: 8
Candidate Starts for StewieG_34:
(7, 28038), (Start: 8 @28041 has 1 MA's), (10, 28053), (11, 28059), (17, 28125), (18, 28134), (19, 28152), (Start: 21 @28197 has 1 MA's), (Start: 23 @28230 has 1 MA's), (28, 28311), (30, 28326), (33, 28545), (34, 28644), (35, 28668),

Gene: Target_39 Start: 29828, Stop: 30274, Start Num: 23
Candidate Starts for Target_39:
(20, 29789), (Start: 21 @29795 has 1 MA's), (Start: 23 @29828 has 1 MA's), (28, 29909), (30, 29924), (33, 30143), (34, 30242), (35, 30266),