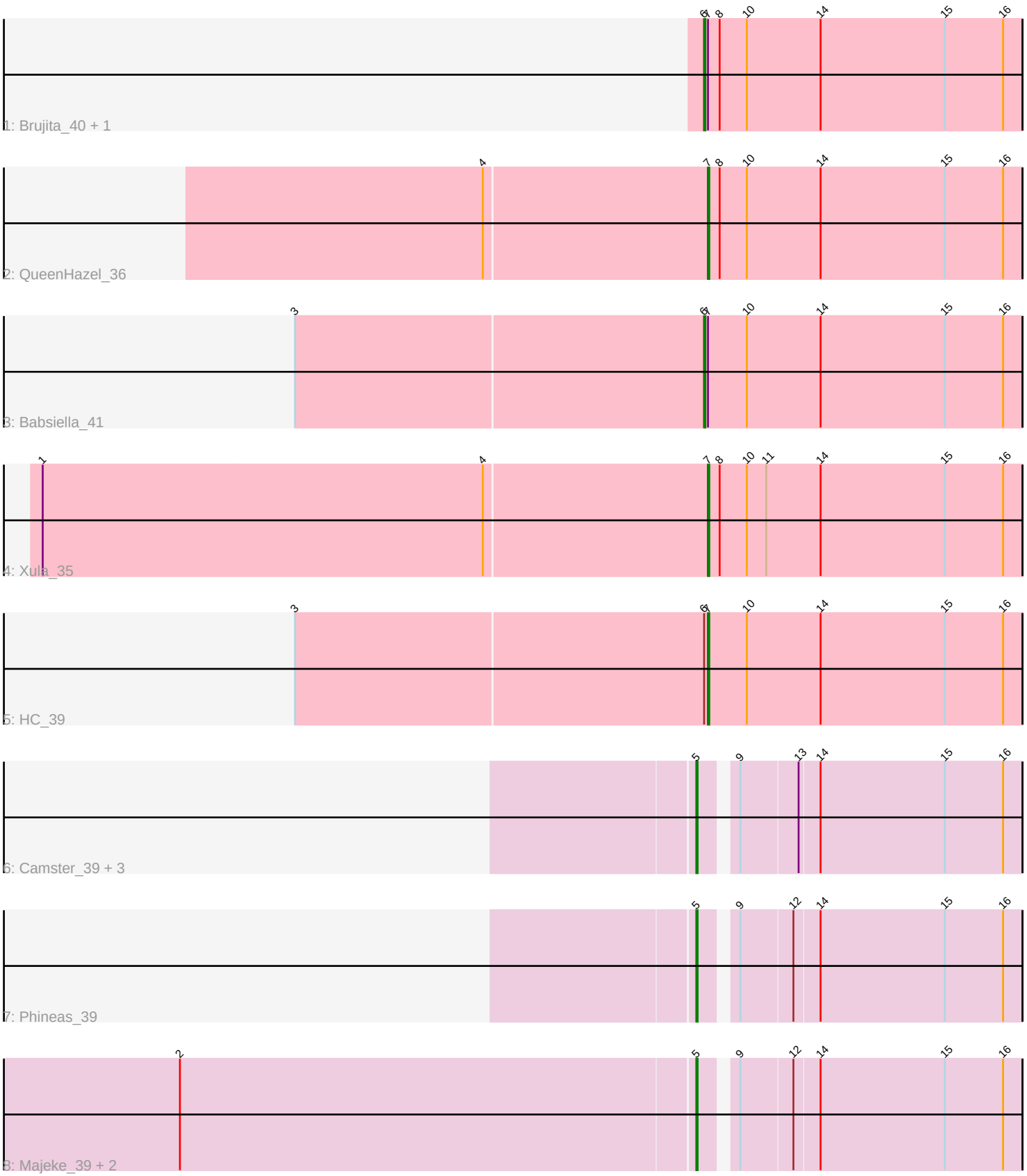
Pham 348168


6
7
8
10
14
15
16
1: Brujita_40 + 1
4
6
7
8
10
14
15
16
2: QueenHazel_36
3
6
7
10
14
15
16
3: Babsiella_41
1
4
6
7
8
10
11
14
15
16
4: Xula_35
3
6
7
10
14
15
16
5: HC_39
5
9
13
14
15
16
6: Camster_39 + 3
5
9
12
14
15
16
7: Phineas_39
2
5
9
12
14
15
16
8: Majeke_39 + 2

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 348168 Report

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

Pham number 348168 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Brujita_40, Island3_40
• Track 2 : QueenHazel_36
• Track 3 : Babsiella_41
• Track 4 : Xula_35
• Track 5 : HC_39
• Track 6 : Camster_39, Shipwreck_41, Bogie_41, Pygmy_41
• Track 7 : Phineas_39
• Track 8 : Majeke_39, Phegasus_39, Mangethe_39

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 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bogie_41, Camster_39, Majeke_39, Mangethe_39, Phegasus_39, Phineas_39, Pygmy_41, Shipwreck_41,

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

Genes that do not have the "Most Annotated" start:
• Babsiella_41, Brujita_40, HC_39, Island3_40, QueenHazel_36, Xula_35,

Summary by start number:

Start 5:
• Found in 8 of 14 (57.1%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bogie_41 (P1), Camster_39 (P1), Majeke_39 (P1), Mangethe_39 (P1), Phegasus_39 (P1), Phineas_39 (P1), Pygmy_41 (P1), Shipwreck_41 (P1),

Start 6:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Babsiella_41 (I1), Brujita_40 (I1), Island3_40 (I1),

Start 7:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 50.0% of time when present
• Phage (with cluster) where this start called: HC_39 (I1), QueenHazel_36 (I1), Xula_35 (I1),

Summary by clusters:

There are 2 clusters represented in this pham: I1, P1,

Info for manual annotations of cluster I1:
•Start number 6 was manually annotated 3 times for cluster I1.
•Start number 7 was manually annotated 3 times for cluster I1.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 8 times for cluster P1.

Gene Information:

Gene: Babsiella_41 Start: 31234, Stop: 31479, Start Num: 6
Candidate Starts for Babsiella_41:
(3, 30922), (Start: 6 @31234 has 3 MA's), (Start: 7 @31237 has 3 MA's), (10, 31267), (14, 31324), (15, 31420), (16, 31465),

Gene: Bogie_41 Start: 32086, Stop: 32319, Start Num: 5
Candidate Starts for Bogie_41:
(Start: 5 @32086 has 8 MA's), (9, 32107), (13, 32149), (14, 32164), (15, 32260), (16, 32305),

Gene: Brujita_40 Start: 31964, Stop: 32209, Start Num: 6
Candidate Starts for Brujita_40:
(Start: 6 @31964 has 3 MA's), (Start: 7 @31967 has 3 MA's), (8, 31976), (10, 31997), (14, 32054), (15, 32150), (16, 32195),

Gene: Camster_39 Start: 30333, Stop: 30566, Start Num: 5
Candidate Starts for Camster_39:
(Start: 5 @30333 has 8 MA's), (9, 30354), (13, 30396), (14, 30411), (15, 30507), (16, 30552),

Gene: HC_39 Start: 30018, Stop: 30260, Start Num: 7
Candidate Starts for HC_39:
(3, 29703), (Start: 6 @30015 has 3 MA's), (Start: 7 @30018 has 3 MA's), (10, 30048), (14, 30105), (15, 30201), (16, 30246),

Gene: Island3_40 Start: 31964, Stop: 32209, Start Num: 6

Candidate Starts for Island3_40:
(Start: 6 @31964 has 3 MA's), (Start: 7 @31967 has 3 MA's), (8, 31976), (10, 31997), (14, 32054), (15, 32150), (16, 32195),

Gene: Majeke_39 Start: 30351, Stop: 30584, Start Num: 5
Candidate Starts for Majeke_39:
(2, 29958), (Start: 5 @30351 has 8 MA's), (9, 30372), (12, 30411), (14, 30429), (15, 30525), (16, 30570),

Gene: Mangethe_39 Start: 30351, Stop: 30584, Start Num: 5
Candidate Starts for Mangethe_39:
(2, 29958), (Start: 5 @30351 has 8 MA's), (9, 30372), (12, 30411), (14, 30429), (15, 30525), (16, 30570),

Gene: Phegasus_39 Start: 30318, Stop: 30551, Start Num: 5
Candidate Starts for Phegasus_39:
(2, 29925), (Start: 5 @30318 has 8 MA's), (9, 30339), (12, 30378), (14, 30396), (15, 30492), (16, 30537),

Gene: Phineas_39 Start: 30678, Stop: 30911, Start Num: 5
Candidate Starts for Phineas_39:
(Start: 5 @30678 has 8 MA's), (9, 30699), (12, 30738), (14, 30756), (15, 30852), (16, 30897),

Gene: Pygmy_41 Start: 32142, Stop: 32375, Start Num: 5
Candidate Starts for Pygmy_41:
(Start: 5 @32142 has 8 MA's), (9, 32163), (13, 32205), (14, 32220), (15, 32316), (16, 32361),

Gene: QueenHazel_36 Start: 30012, Stop: 30254, Start Num: 7
Candidate Starts for QueenHazel_36:
(4, 29841), (Start: 7 @30012 has 3 MA's), (8, 30021), (10, 30042), (14, 30099), (15, 30195), (16, 30240),

Gene: Shipwreck_41 Start: 32117, Stop: 32350, Start Num: 5
Candidate Starts for Shipwreck_41:
(Start: 5 @32117 has 8 MA's), (9, 32138), (13, 32180), (14, 32195), (15, 32291), (16, 32336),

Gene: Xula_35 Start: 29536, Stop: 29778, Start Num: 7
Candidate Starts for Xula_35:
(1, 29026), (4, 29365), (Start: 7 @29536 has 3 MA's), (8, 29545), (10, 29566), (11, 29581), (14, 29623), (15, 29719), (16, 29764),