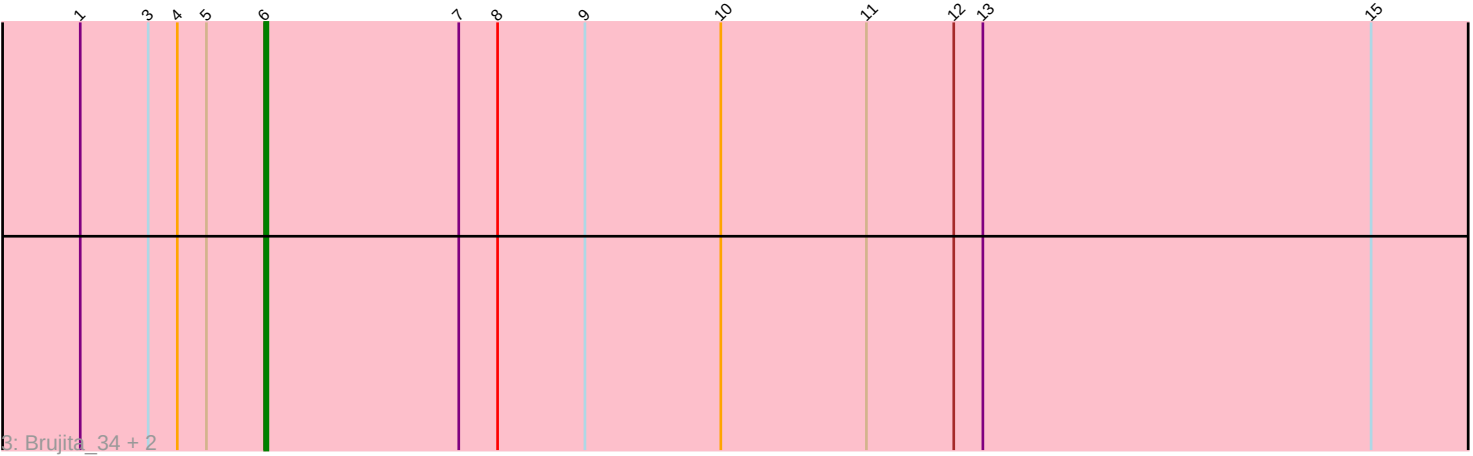
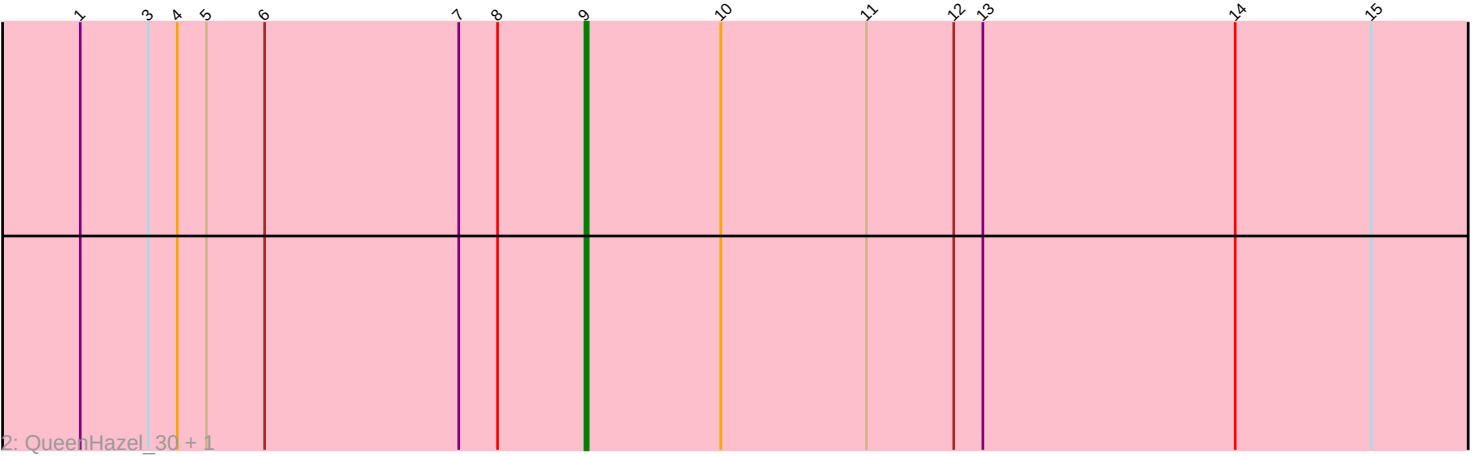
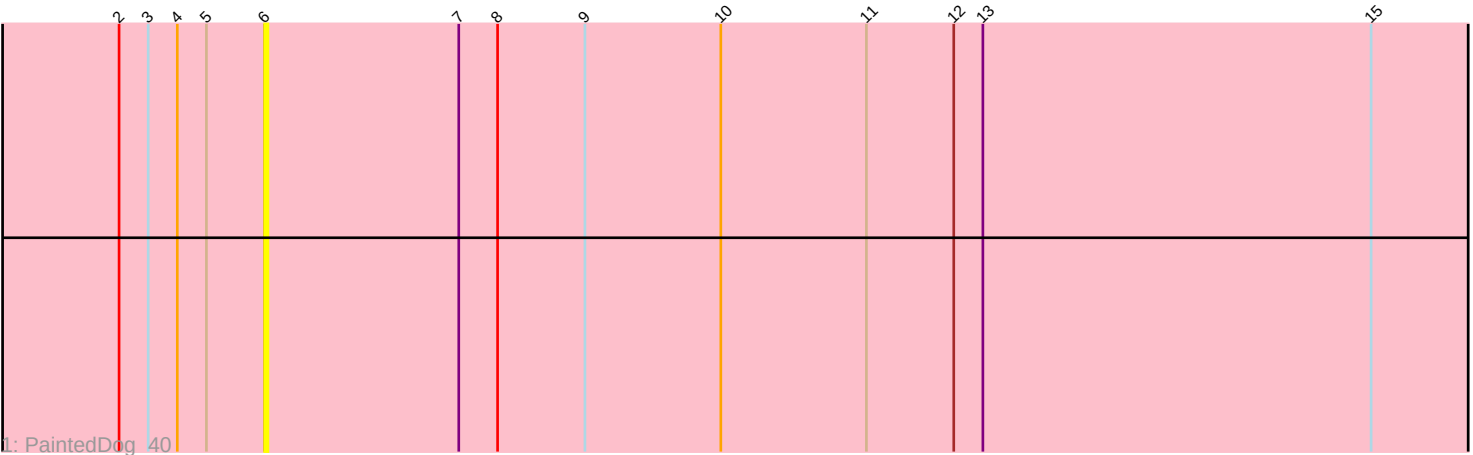




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 281308 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281308 has 6 members, 1 are drafts.

Phages represented in each track:

- Track 1 : PaintedDog_40
- Track 2 : QueenHazel_30, Xula_29
- Track 3 : Brujita_34, Island3_34, Babsiella_34

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Babsiella_34, Brujita_34, Island3_34, PaintedDog_40,

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

- QueenHazel_30, Xula_29,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 6:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Babsiella_34 (I1), Brujita_34 (I1), Island3_34 (I1), PaintedDog_40 (I1),

Start 9:

- Found in 6 of 6 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 33.3% of time when present
- Phage (with cluster) where this start called: QueenHazel_30 (I1), Xula_29 (I1),

Summary by clusters:

There is one cluster represented in this pham: I1

Info for manual annotations of cluster I1:

- Start number 6 was manually annotated 3 times for cluster I1.
- Start number 9 was manually annotated 2 times for cluster I1.

Gene Information:

Gene: Babsiella_34 Start: 28570, Stop: 28175, Start Num: 6

Candidate Starts for Babsiella_34:

(1, 28627), (3, 28606), (4, 28597), (5, 28588), (Start: 6 @28570 has 3 MA's), (7, 28510), (8, 28498), (Start: 9 @28471 has 2 MA's), (10, 28429), (11, 28384), (12, 28357), (13, 28348), (15, 28228),

Gene: Brujita_34 Start: 29468, Stop: 29082, Start Num: 6

Candidate Starts for Brujita_34:

(1, 29525), (3, 29504), (4, 29495), (5, 29486), (Start: 6 @29468 has 3 MA's), (7, 29408), (8, 29396), (Start: 9 @29369 has 2 MA's), (10, 29327), (11, 29282), (12, 29255), (13, 29246), (15, 29126),

Gene: Island3_34 Start: 29468, Stop: 29082, Start Num: 6

Candidate Starts for Island3_34:

(1, 29525), (3, 29504), (4, 29495), (5, 29486), (Start: 6 @29468 has 3 MA's), (7, 29408), (8, 29396), (Start: 9 @29369 has 2 MA's), (10, 29327), (11, 29282), (12, 29255), (13, 29246), (15, 29126),

Gene: PaintedDog_40 Start: 31112, Stop: 30717, Start Num: 6

Candidate Starts for PaintedDog_40:

(2, 31157), (3, 31148), (4, 31139), (5, 31130), (Start: 6 @31112 has 3 MA's), (7, 31052), (8, 31040), (Start: 9 @31013 has 2 MA's), (10, 30971), (11, 30926), (12, 30899), (13, 30890), (15, 30770),

Gene: QueenHazel_30 Start: 27405, Stop: 27109, Start Num: 9

Candidate Starts for QueenHazel_30:

(1, 27561), (3, 27540), (4, 27531), (5, 27522), (Start: 6 @27504 has 3 MA's), (7, 27444), (8, 27432), (Start: 9 @27405 has 2 MA's), (10, 27363), (11, 27318), (12, 27291), (13, 27282), (14, 27204), (15, 27162),

Gene: Xula_29 Start: 26929, Stop: 26633, Start Num: 9

Candidate Starts for Xula_29:

(1, 27085), (3, 27064), (4, 27055), (5, 27046), (Start: 6 @27028 has 3 MA's), (7, 26968), (8, 26956), (Start: 9 @26929 has 2 MA's), (10, 26887), (11, 26842), (12, 26815), (13, 26806), (14, 26728), (15, 26686),