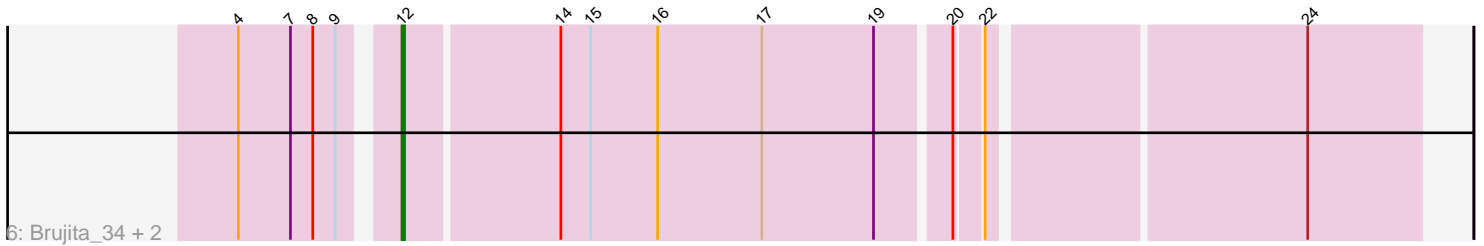
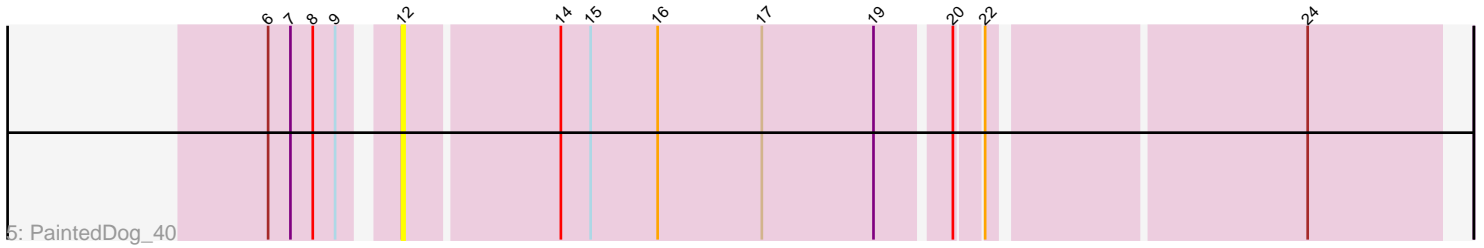
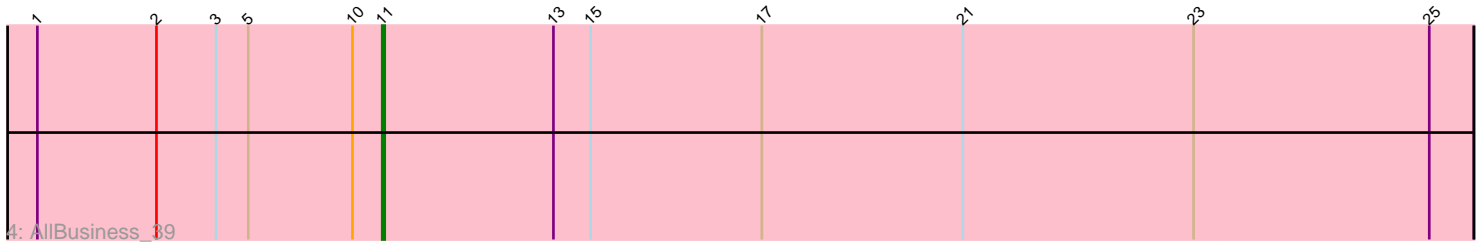
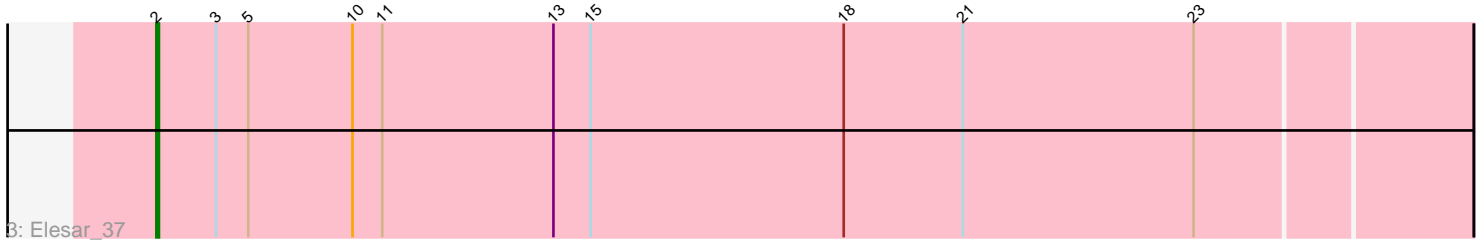
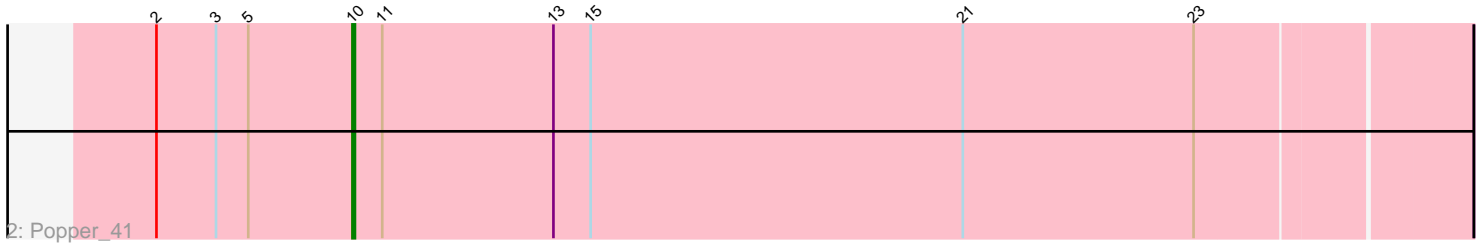
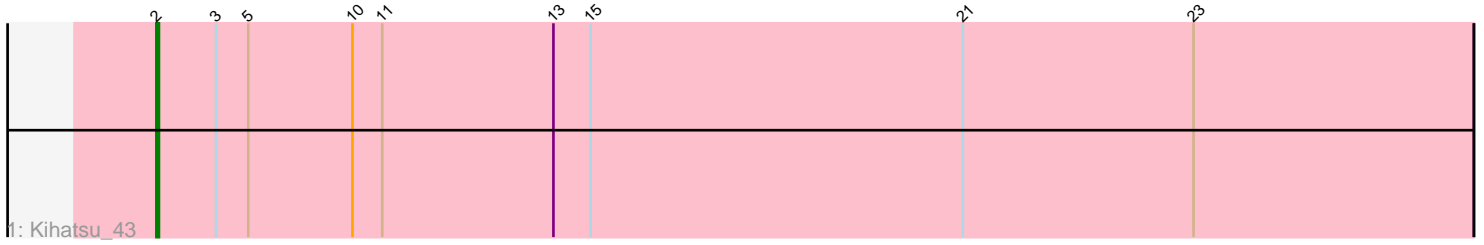


Pham 295410



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 295410 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295410 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kihatsu_43
- Track 2 : Popper_41
- Track 3 : Elesar_37
- Track 4 : AllBusiness_39
- Track 5 : PaintedDog_40
- Track 6 : 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 12, it was called in 3 of the 7 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:

-

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

- AllBusiness_39, Elesar_37, Kihatsu_43, Popper_41,

Summary by start number:

Start 2:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Elesar_37 (FF), Kihatsu_43 (FF),

Start 10:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Popper_41 (FF),

Start 11:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 25.0% of time when present
- Phage (with cluster) where this start called: AllBusiness_39 (FF),

Start 12:

- Found in 4 of 8 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Babsiella_34 (I1), Brujita_34 (I1), Island3_34 (I1), PaintedDog_40 (I1),

Summary by clusters:

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

Info for manual annotations of cluster FF:

- Start number 2 was manually annotated 2 times for cluster FF.
- Start number 10 was manually annotated 1 time for cluster FF.
- Start number 11 was manually annotated 1 time for cluster FF.

Info for manual annotations of cluster I1:

- Start number 12 was manually annotated 3 times for cluster I1.

Gene Information:

Gene: AllBusiness_39 Start: 31045, Stop: 30608, Start Num: 11

Candidate Starts for AllBusiness_39:

(1, 31183), (Start: 2 @31135 has 2 MA's), (3, 31111), (5, 31099), (Start: 10 @31057 has 1 MA's), (Start: 11 @31045 has 1 MA's), (13, 30976), (15, 30961), (17, 30892), (21, 30811), (23, 30718), (25, 30625),

Gene: Babsiella_34 Start: 28570, Stop: 28175, Start Num: 12

Candidate Starts for Babsiella_34:

(4, 28627), (7, 28606), (8, 28597), (9, 28588), (Start: 12 @28570 has 3 MA's), (14, 28510), (15, 28498), (16, 28471), (17, 28429), (19, 28384), (20, 28357), (22, 28348), (24, 28228),

Gene: Brujita_34 Start: 29468, Stop: 29082, Start Num: 12

Candidate Starts for Brujita_34:

(4, 29525), (7, 29504), (8, 29495), (9, 29486), (Start: 12 @29468 has 3 MA's), (14, 29408), (15, 29396), (16, 29369), (17, 29327), (19, 29282), (20, 29255), (22, 29246), (24, 29126),

Gene: Elesar_37 Start: 30914, Stop: 30393, Start Num: 2

Candidate Starts for Elesar_37:

(Start: 2 @30914 has 2 MA's), (3, 30890), (5, 30878), (Start: 10 @30836 has 1 MA's), (Start: 11 @30824 has 1 MA's), (13, 30755), (15, 30740), (18, 30638), (21, 30590), (23, 30497),

Gene: Island3_34 Start: 29468, Stop: 29082, Start Num: 12

Candidate Starts for Island3_34:

(4, 29525), (7, 29504), (8, 29495), (9, 29486), (Start: 12 @29468 has 3 MA's), (14, 29408), (15, 29396), (16, 29369), (17, 29327), (19, 29282), (20, 29255), (22, 29246), (24, 29126),

Gene: Kihatsu_43 Start: 31043, Stop: 30516, Start Num: 2

Candidate Starts for Kihatsu_43:

(Start: 2 @31043 has 2 MA's), (3, 31019), (5, 31007), (Start: 10 @30965 has 1 MA's), (Start: 11 @30953 has 1 MA's), (13, 30884), (15, 30869), (21, 30719), (23, 30626),

Gene: PaintedDog_40 Start: 31112, Stop: 30717, Start Num: 12

Candidate Starts for PaintedDog_40:

(6, 31157), (7, 31148), (8, 31139), (9, 31130), (Start: 12 @31112 has 3 MA's), (14, 31052), (15, 31040), (16, 31013), (17, 30971), (19, 30926), (20, 30899), (22, 30890), (24, 30770),

Gene: Popper_41 Start: 29991, Stop: 29548, Start Num: 10

Candidate Starts for Popper_41:

(Start: 2 @30069 has 2 MA's), (3, 30045), (5, 30033), (Start: 10 @29991 has 1 MA's), (Start: 11 @29979 has 1 MA's), (13, 29910), (15, 29895), (21, 29745), (23, 29652),