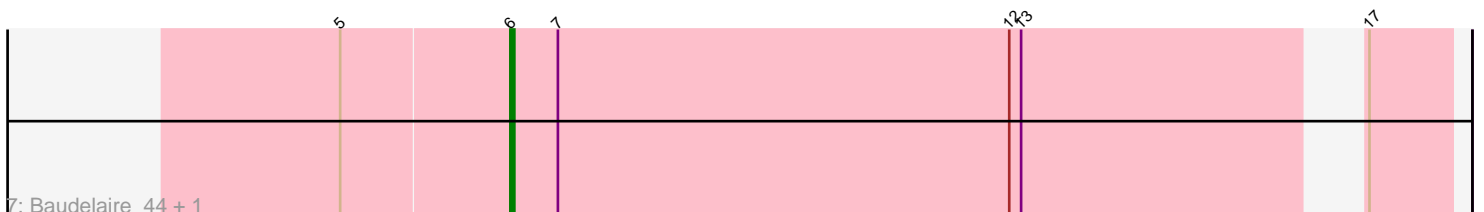
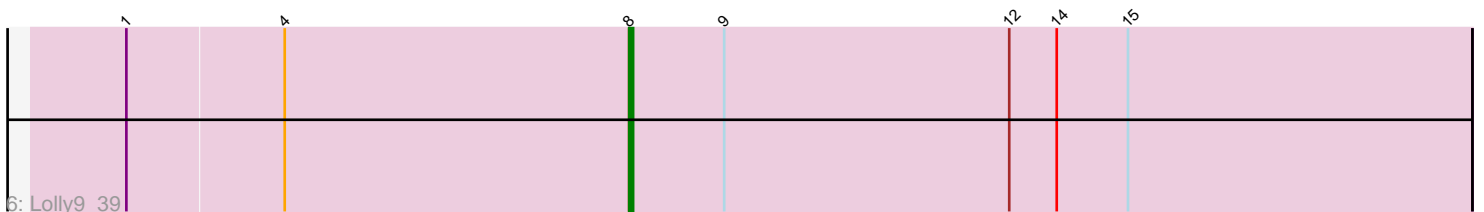
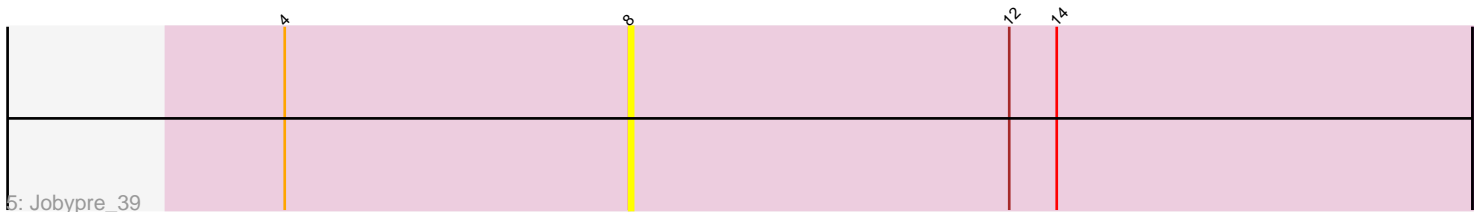
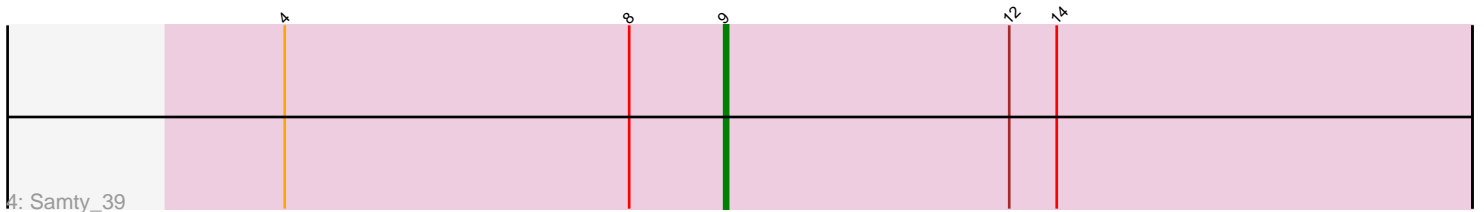
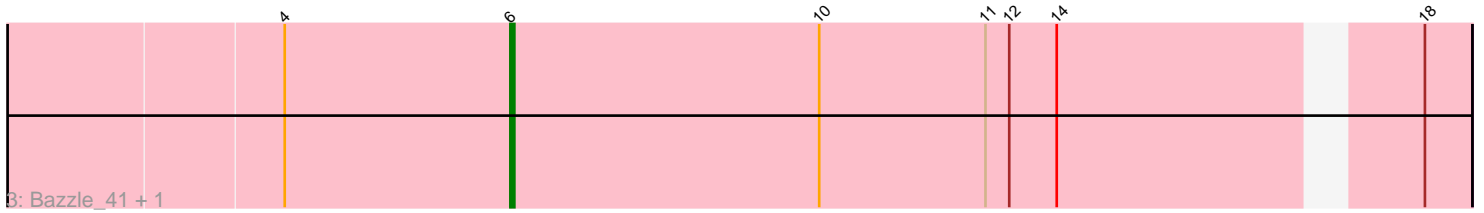
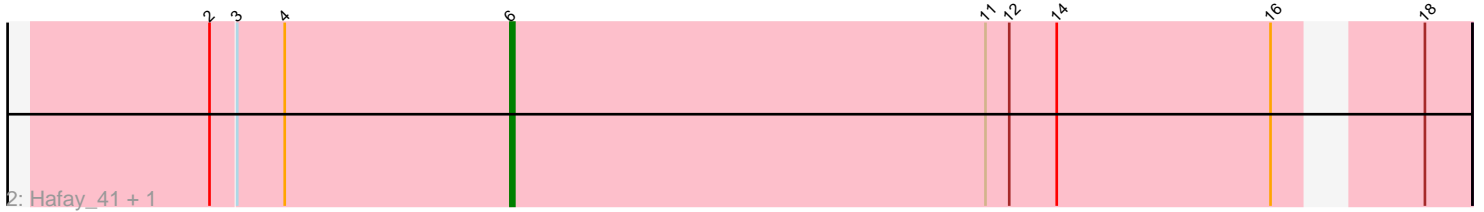
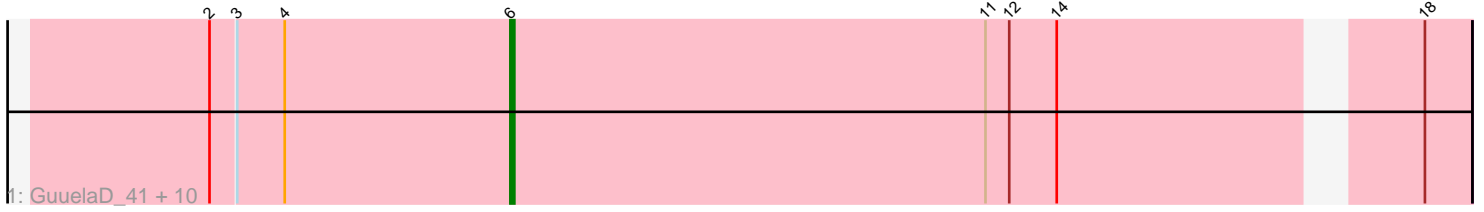


Pham 171792



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 171792 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171792 has 20 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GuuelaD_41, Zakai_41, Gardann_41, Netyap_41, Itos_40, Gabriela_41, BigCheese_41, Finemlucis_41, Crossroads_41, BobsGarage_41, Miley16_41
- Track 2 : Hafay_41, Wilder_41
- Track 3 : Bazzle_41, Archie_41
- Track 4 : Samty_39
- Track 5 : Jobypre_39
- Track 6 : Lolly9_39
- Track 7 : Baudelaire_44, Aegeus_44

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 16 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aegeus_44, Archie_41, Baudelaire_44, Bazzle_41, BigCheese_41, BobsGarage_41, Crossroads_41, Finemlucis_41, Gabriela_41, Gardann_41, GuuelaD_41, Hafay_41, Itos_40, Miley16_41, Netyap_41, Wilder_41, Zakai_41,

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

-

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

- Jobypre_39, Lolly9_39, Samty_39,

Summary by start number:

Start 6:

- Found in 17 of 20 (85.0%) of genes in pham
- Manual Annotations of this start: 16 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_44 (L5), Archie_41 (L2), Baudelaire_44 (L5), Bazzle_41 (L2), BigCheese_41 (L2), BobsGarage_41 (L2), Crossroads_41 (L2), Finemlucis_41 (L2), Gabriela_41 (L2), Gardann_41 (L2),

GuuelaD_41 (L2), Hafay_41 (L2), Itos_40 (L2), Miley16_41 (L2), Netyap_41 (L2), Wilder_41 (L2), Zakai_41 (L2),

Start 8:

- Found in 3 of 20 (15.0%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Jobypre_39 (L3), Lolly9_39 (L3),

Start 9:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Samty_39 (L3),

Summary by clusters:

There are 3 clusters represented in this pham: L5, L2, L3,

Info for manual annotations of cluster L2:

- Start number 6 was manually annotated 14 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 8 was manually annotated 1 time for cluster L3.
- Start number 9 was manually annotated 1 time for cluster L3.

Info for manual annotations of cluster L5:

- Start number 6 was manually annotated 2 times for cluster L5.

Gene Information:

Gene: Aegeus_44 Start: 36838, Stop: 37059, Start Num: 6

Candidate Starts for Aegeus_44:

(5, 36796), (Start: 6 @36838 has 16 MA's), (7, 36850), (12, 36964), (13, 36967), (17, 37039),

Gene: Archie_41 Start: 34671, Stop: 34901, Start Num: 6

Candidate Starts for Archie_41:

(4, 34614), (Start: 6 @34671 has 16 MA's), (10, 34749), (11, 34791), (12, 34797), (14, 34809), (18, 34890),

Gene: Baudelaire_44 Start: 36838, Stop: 37059, Start Num: 6

Candidate Starts for Baudelaire_44:

(5, 36796), (Start: 6 @36838 has 16 MA's), (7, 36850), (12, 36964), (13, 36967), (17, 37039),

Gene: Bazzle_41 Start: 34703, Stop: 34933, Start Num: 6

Candidate Starts for Bazzle_41:

(4, 34646), (Start: 6 @34703 has 16 MA's), (10, 34781), (11, 34823), (12, 34829), (14, 34841), (18, 34922),

Gene: BigCheese_41 Start: 34467, Stop: 34697, Start Num: 6

Candidate Starts for BigCheese_41:

(2, 34392), (3, 34398), (4, 34410), (Start: 6 @34467 has 16 MA's), (11, 34587), (12, 34593), (14, 34605), (18, 34686),

Gene: BobsGarage_41 Start: 34467, Stop: 34697, Start Num: 6

Candidate Starts for BobsGarage_41:

(2, 34392), (3, 34398), (4, 34410), (Start: 6 @34467 has 16 MA's), (11, 34587), (12, 34593), (14, 34605), (18, 34686),

Gene: Crossroads_41 Start: 34469, Stop: 34699, Start Num: 6

Candidate Starts for Crossroads_41:

(2, 34394), (3, 34400), (4, 34412), (Start: 6 @34469 has 16 MA's), (11, 34589), (12, 34595), (14, 34607), (18, 34688),

Gene: Finemlucis_41 Start: 34743, Stop: 34973, Start Num: 6

Candidate Starts for Finemlucis_41:

(2, 34668), (3, 34674), (4, 34686), (Start: 6 @34743 has 16 MA's), (11, 34863), (12, 34869), (14, 34881), (18, 34962),

Gene: Gabriela_41 Start: 34729, Stop: 34959, Start Num: 6

Candidate Starts for Gabriela_41:

(2, 34654), (3, 34660), (4, 34672), (Start: 6 @34729 has 16 MA's), (11, 34849), (12, 34855), (14, 34867), (18, 34948),

Gene: Gardann_41 Start: 34468, Stop: 34698, Start Num: 6

Candidate Starts for Gardann_41:

(2, 34393), (3, 34399), (4, 34411), (Start: 6 @34468 has 16 MA's), (11, 34588), (12, 34594), (14, 34606), (18, 34687),

Gene: GuuelaD_41 Start: 34506, Stop: 34736, Start Num: 6

Candidate Starts for GuuelaD_41:

(2, 34431), (3, 34437), (4, 34449), (Start: 6 @34506 has 16 MA's), (11, 34626), (12, 34632), (14, 34644), (18, 34725),

Gene: Hafay_41 Start: 34501, Stop: 34731, Start Num: 6

Candidate Starts for Hafay_41:

(2, 34426), (3, 34432), (4, 34444), (Start: 6 @34501 has 16 MA's), (11, 34621), (12, 34627), (14, 34639), (16, 34693), (18, 34720),

Gene: Itos_40 Start: 33373, Stop: 33603, Start Num: 6

Candidate Starts for Itos_40:

(2, 33298), (3, 33304), (4, 33316), (Start: 6 @33373 has 16 MA's), (11, 33493), (12, 33499), (14, 33511), (18, 33592),

Gene: Jobypre_39 Start: 34742, Stop: 34954, Start Num: 8

Candidate Starts for Jobypre_39:

(4, 34655), (Start: 8 @34742 has 1 MA's), (12, 34838), (14, 34850),

Gene: Lolly9_39 Start: 34550, Stop: 34762, Start Num: 8

Candidate Starts for Lolly9_39:

(1, 34424), (4, 34463), (Start: 8 @34550 has 1 MA's), (Start: 9 @34574 has 1 MA's), (12, 34646), (14, 34658), (15, 34676),

Gene: Miley16_41 Start: 34467, Stop: 34697, Start Num: 6

Candidate Starts for Miley16_41:

(2, 34392), (3, 34398), (4, 34410), (Start: 6 @34467 has 16 MA's), (11, 34587), (12, 34593), (14, 34605), (18, 34686),

Gene: Netyap_41 Start: 34467, Stop: 34697, Start Num: 6

Candidate Starts for Netyap_41:

(2, 34392), (3, 34398), (4, 34410), (Start: 6 @34467 has 16 MA's), (11, 34587), (12, 34593), (14, 34605), (18, 34686),

Gene: Samty_39 Start: 34767, Stop: 34955, Start Num: 9

Candidate Starts for Samty_39:

(4, 34656), (Start: 8 @34743 has 1 MA's), (Start: 9 @34767 has 1 MA's), (12, 34839), (14, 34851),

Gene: Wilder_41 Start: 34473, Stop: 34703, Start Num: 6

Candidate Starts for Wilder_41:

(2, 34398), (3, 34404), (4, 34416), (Start: 6 @34473 has 16 MA's), (11, 34593), (12, 34599), (14, 34611), (16, 34665), (18, 34692),

Gene: Zakai_41 Start: 34725, Stop: 34955, Start Num: 6

Candidate Starts for Zakai_41:

(2, 34650), (3, 34656), (4, 34668), (Start: 6 @34725 has 16 MA's), (11, 34845), (12, 34851), (14, 34863), (18, 34944),