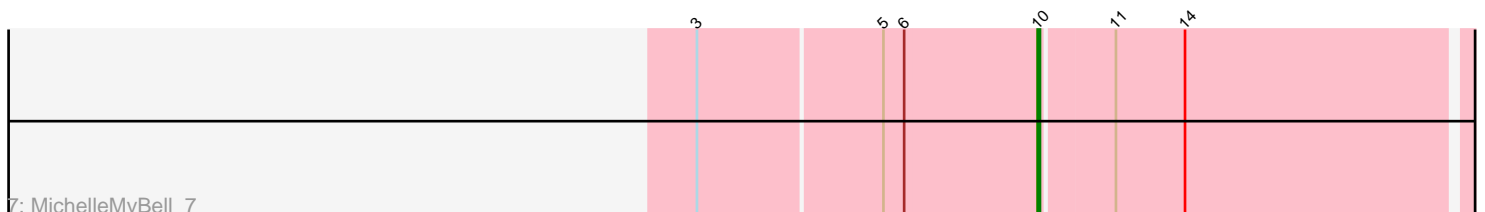
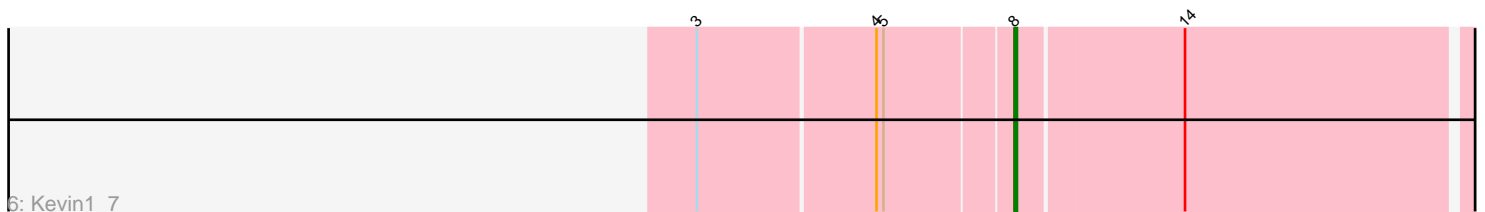
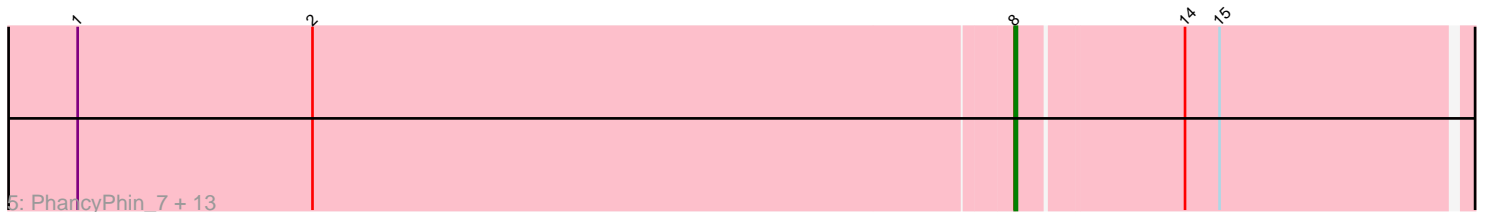
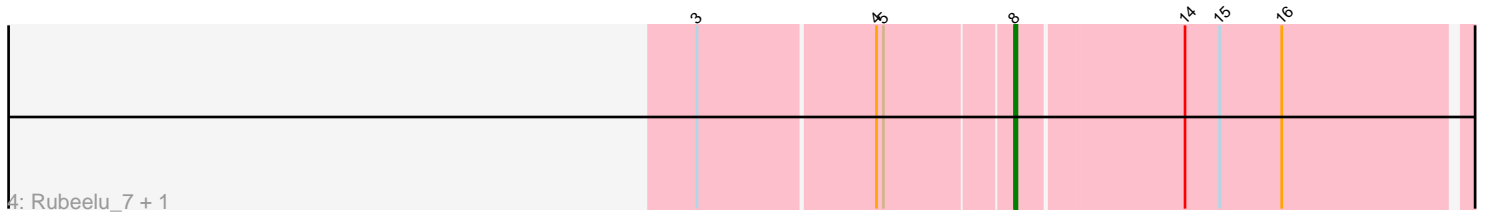
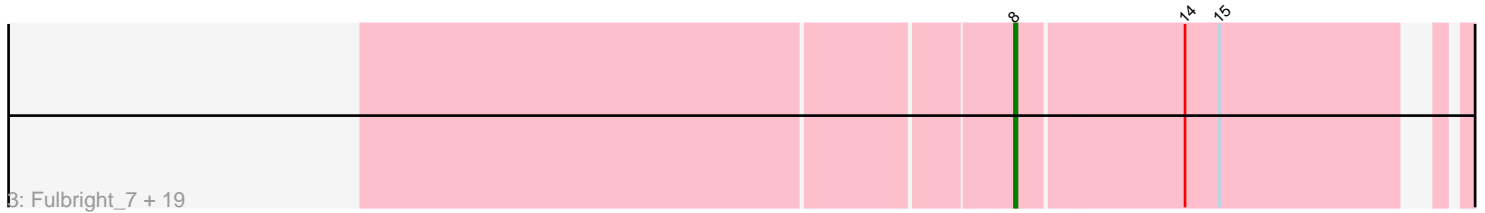
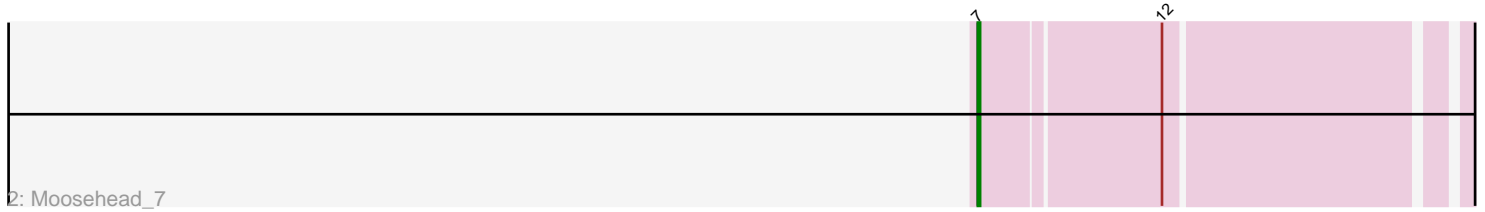
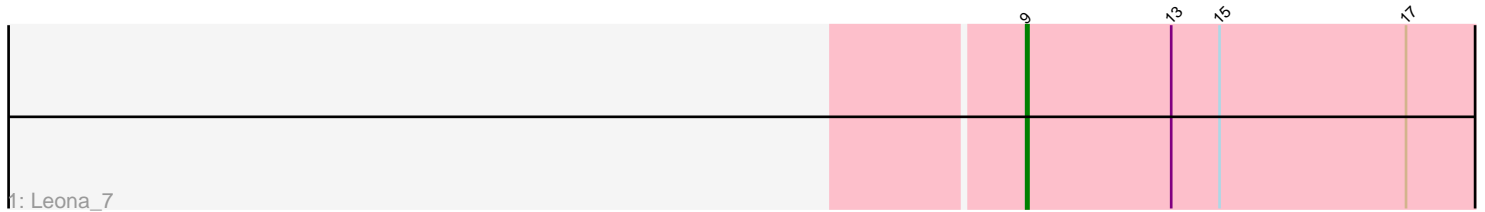


Pham 163736



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 163736 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163736 has 40 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Leona_7
- Track 2 : Moosehead_7
- Track 3 : Fulbright_7, Xeno_7, Aggie_7, Philonius_7, Charlie_7, Duplicity_7, Andies_7, Gex_7, Pipsqueaks_7, Schnauzer_7, Smurph_7, Carcharodon_7, Xerxes_7, Silvafighter_7, Journey_7, Chewbacca_7, Tapioca_7, Phloss_7, Magsby_7, Parmesanjohn_7
- Track 4 : Rubeelu_7, Butters_7
- Track 5 : PhancyPhin_7, SpongeBob_7, Purgamenstris_7, Nenae_7, Jamie19_7, Phrann_7, BabeRuth_7, Raymond7_7, ShrimpFriedEgg_7, Panchino_7, Redi_7, Rebel_7, Shweta_7, SkinnyPete_7
- Track 6 : Kevin1_7
- Track 7 : MichelleMyBell_7

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

The start number called the most often in the published annotations is 8, it was called in 36 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aggie_7, Andies_7, BabeRuth_7, Butters_7, Carcharodon_7, Charlie_7, Chewbacca_7, Duplicity_7, Fulbright_7, Gex_7, Jamie19_7, Journey_7, Kevin1_7, Magsby_7, Nenae_7, Panchino_7, Parmesanjohn_7, PhancyPhin_7, Philonius_7, Phloss_7, Phrann_7, Pipsqueaks_7, Purgamenstris_7, Raymond7_7, Rebel_7, Redi_7, Rubeelu_7, Schnauzer_7, ShrimpFriedEgg_7, Shweta_7, Silvafighter_7, SkinnyPete_7, Smurph_7, SpongeBob_7, Tapioca_7, Xeno_7, Xerxes_7,

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

-

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

- Leona_7, MichelleMyBell_7, Moosehead_7,

Summary by start number:

Start 7:

- Found in 1 of 40 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moosehead_7 (CZ6),

Start 8:

- Found in 37 of 40 (92.5%) of genes in pham
- Manual Annotations of this start: 36 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aggie_7 (N), Andies_7 (N), BabeRuth_7 (N), Bitters_7 (N), Carcharodon_7 (N), Charlie_7 (N), Chewbacca_7 (N), Duplicity_7 (N), Fulbright_7 (N), Gex_7 (N), Jamie19_7 (N), Journey_7 (N), Kevin1_7 (N), Magsby_7 (N), Nенаe_7 (N), Panchino_7 (N), Parmesanjohn_7 (N), PhancyPhin_7 (N), Philonius_7 (N), Phloss_7 (N), Phrann_7 (N), Pipsqueaks_7 (N), Purgamenstris_7 (N), Raymond7_7 (N), Rebel_7 (N), Redi_7 (N), Rubeelu_7 (N), Schnauzer_7 (N), ShrimpFriedEgg_7 (N), Shweta_7 (N), Silvafighter_7 (N), SkinnyPete_7 (N), Smurph_7 (N), SpongeBob_7 (N), Tapioca_7 (N), Xeno_7 (N), Xerxes_7 (N),

Start 9:

- Found in 1 of 40 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leona_7 (AS3),

Start 10:

- Found in 1 of 40 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MichelleMyBell_7 (N),

Summary by clusters:

There are 3 clusters represented in this pham: AS3, CZ6, N,

Info for manual annotations of cluster AS3:

- Start number 9 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster CZ6:

- Start number 7 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster N:

- Start number 8 was manually annotated 36 times for cluster N.
- Start number 10 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Aggie_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Aggie_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Andies_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Andies_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: BabeRuth_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for BabeRuth_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Butters_7 Start: 5729, Stop: 5977, Start Num: 8

Candidate Starts for Butters_7:

(3, 5600), (4, 5675), (5, 5678), (Start: 8 @5729 has 36 MA's), (14, 5798), (15, 5813), (16, 5840),

Gene: Carcharodon_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Carcharodon_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Charlie_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Charlie_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Chewbacca_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Chewbacca_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Duplicity_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Duplicity_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Fulbright_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Fulbright_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Gex_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Gex_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Jamie19_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for Jamie19_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Journey_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Journey_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Kevin1_7 Start: 5729, Stop: 5977, Start Num: 8

Candidate Starts for Kevin1_7:

(3, 5600), (4, 5675), (5, 5678), (Start: 8 @5729 has 36 MA's), (14, 5798),

Gene: Leona_7 Start: 6489, Stop: 6743, Start Num: 9

Candidate Starts for Leona_7:

(Start: 9 @6489 has 1 MA's), (13, 6552), (15, 6573), (17, 6654),

Gene: Magsby_7 Start: 5730, Stop: 5963, Start Num: 8
Candidate Starts for Magsby_7:
(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: MichelleMyBell_7 Start: 5758, Stop: 5997, Start Num: 10
Candidate Starts for MichelleMyBell_7:
(3, 5614), (5, 5692), (6, 5701), (Start: 10 @5758 has 1 MA's), (11, 5788), (14, 5818),

Gene: Moosehead_7 Start: 5649, Stop: 5903, Start Num: 7
Candidate Starts for Moosehead_7:
(Start: 7 @5649 has 1 MA's), (12, 5724),

Gene: Nenae_7 Start: 5753, Stop: 6004, Start Num: 8
Candidate Starts for Nenae_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Panchino_7 Start: 5753, Stop: 5980, Start Num: 8
Candidate Starts for Panchino_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Parmesanjohn_7 Start: 5730, Stop: 5963, Start Num: 8
Candidate Starts for Parmesanjohn_7:
(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: PhancyPhin_7 Start: 5753, Stop: 6004, Start Num: 8
Candidate Starts for PhancyPhin_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Philonius_7 Start: 5730, Stop: 5963, Start Num: 8
Candidate Starts for Philonius_7:
(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Phloss_7 Start: 5730, Stop: 5963, Start Num: 8
Candidate Starts for Phloss_7:
(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Phrann_7 Start: 5753, Stop: 6004, Start Num: 8
Candidate Starts for Phrann_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Pipsqueaks_7 Start: 5730, Stop: 5963, Start Num: 8
Candidate Starts for Pipsqueaks_7:
(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Purgamenstris_7 Start: 5753, Stop: 6004, Start Num: 8
Candidate Starts for Purgamenstris_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Raymond7_7 Start: 5753, Stop: 6004, Start Num: 8
Candidate Starts for Raymond7_7:
(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Rebel_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for Rebel_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Redi_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for Redi_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Rubeelu_7 Start: 5729, Stop: 5977, Start Num: 8

Candidate Starts for Rubeelu_7:

(3, 5600), (4, 5675), (5, 5678), (Start: 8 @5729 has 36 MA's), (14, 5798), (15, 5813), (16, 5840),

Gene: Schnauzer_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Schnauzer_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: ShrimpFriedEgg_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for ShrimpFriedEgg_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Shweta_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for Shweta_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Silvafighter_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Silvafighter_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: SkinnyPete_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for SkinnyPete_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Smurph_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Smurph_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: SpongeBob_7 Start: 5753, Stop: 6004, Start Num: 8

Candidate Starts for SpongeBob_7:

(1, 5351), (2, 5453), (Start: 8 @5753 has 36 MA's), (14, 5822), (15, 5837),

Gene: Tapioca_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Tapioca_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Xeno_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Xeno_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),

Gene: Xerxes_7 Start: 5730, Stop: 5963, Start Num: 8

Candidate Starts for Xerxes_7:

(Start: 8 @5730 has 36 MA's), (14, 5799), (15, 5814),