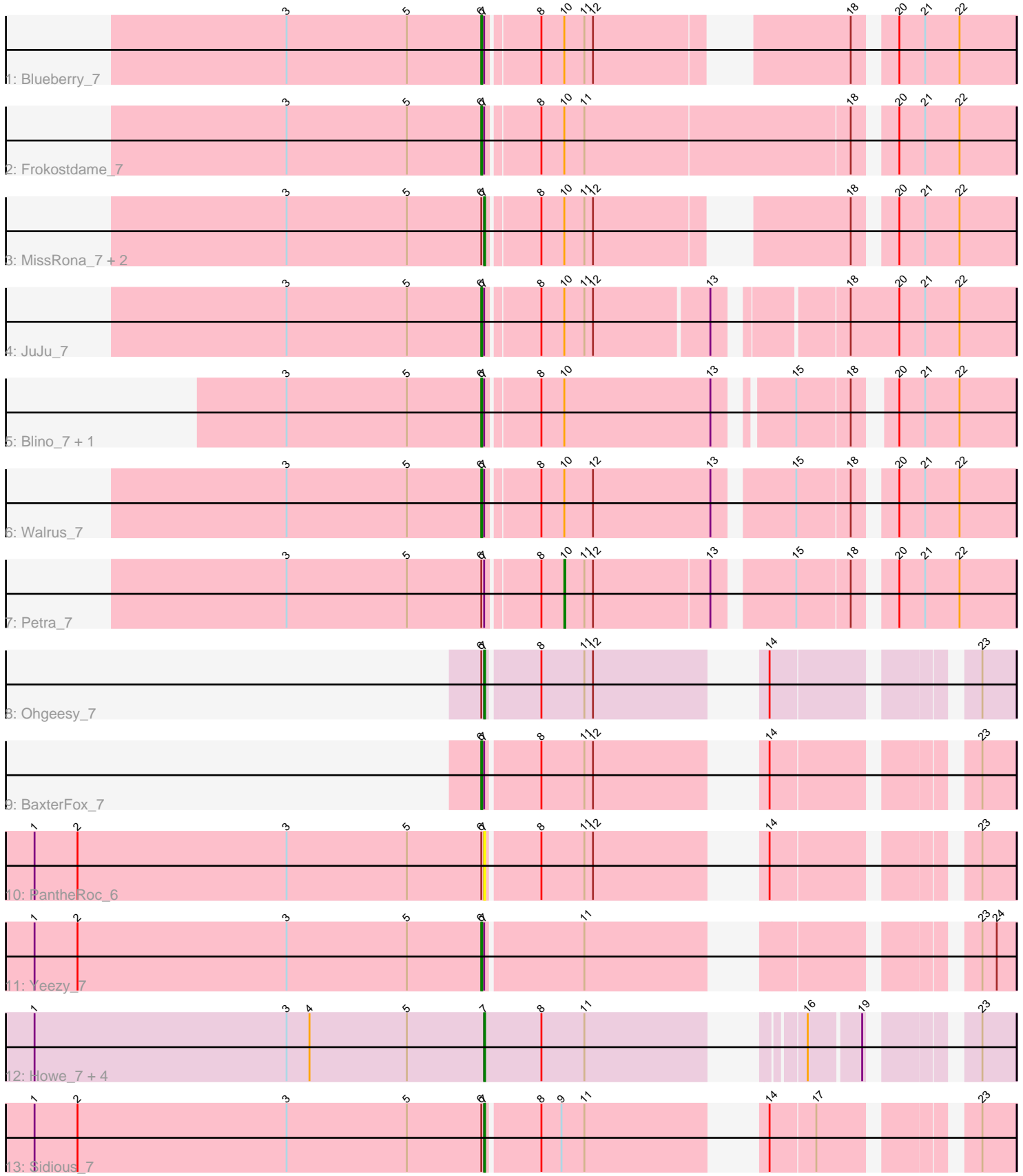


Pham 171788



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 171788 Report

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

Pham number 171788 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Blueberry_7
- Track 2 : Frokostdame_7
- Track 3 : MissRona_7, Gambino_7, Azula_7
- Track 4 : JuJu_7
- Track 5 : Blino_7, CarolAnn_7
- Track 6 : Walrus_7
- Track 7 : Petra_7
- Track 8 : Ohgeesy_7
- Track 9 : BaxterFox_7
- Track 10 : PantheRoc_6
- Track 11 : Yeezy_7
- Track 12 : Howe_7, Adora_7, Twinkle_7, Shlim410_7, Hortense_7
- Track 13 : Sidious_7

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

The start number called the most often in the published annotations is 7, it was called in 10 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_7, Azula_7, Gambino_7, Hortense_7, Howe_7, MissRona_7, Ohgeesy_7, PantheRoc_6, Shlim410_7, Sidious_7, Twinkle_7,

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

- BaxterFox_7, Blino_7, Blueberry_7, CarolAnn_7, Frokostdame_7, JuJu_7, Petra_7, Walrus_7, Yeezy_7,

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

-

Summary by start number:

Start 6:

- Found in 15 of 20 (75.0%) of genes in pham

- Manual Annotations of this start: 8 of 19
- Called 53.3% of time when present
- Phage (with cluster) where this start called: BaxterFox_7 (CZ3), Blino_7 (CV), Blueberry_7 (CV), CarolAnn_7 (CV), Frokostdame_7 (CV), JuJu_7 (CV), Walrus_7 (CV), Yeezy_7 (CZ3),

Start 7:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 19
- Called 55.0% of time when present
- Phage (with cluster) where this start called: Adora_7 (CZ4), Azula_7 (CV), Gambino_7 (CV), Hortense_7 (CZ4), Howe_7 (CZ4), MissRona_7 (CV), Ohgeesy_7 (CZ), PantheRoc_6 (CZ3), Shlim410_7 (CZ4), Sidious_7 (CZ7), Twinkle_7 (CZ4),

Start 10:

- Found in 10 of 20 (50.0%) of genes in pham
- Manual Annotations of this start: 1 of 19
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Petra_7 (CV),

Summary by clusters:

There are 5 clusters represented in this pham: CZ7, CZ3, CV, CZ4, CZ,

Info for manual annotations of cluster CV:

- Start number 6 was manually annotated 6 times for cluster CV.
- Start number 7 was manually annotated 3 times for cluster CV.
- Start number 10 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CZ:

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

Info for manual annotations of cluster CZ3:

- Start number 6 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 7 was manually annotated 5 times for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 7 was manually annotated 1 time for cluster CZ7.

Gene Information:

Gene: Adora_7 Start: 5836, Stop: 6276, Start Num: 7

Candidate Starts for Adora_7:

(1, 5365), (3, 5629), (4, 5653), (5, 5755), (Start: 7 @5836 has 10 MA's), (8, 5896), (11, 5941), (16, 6106), (19, 6157), (23, 6241),

Gene: Azula_7 Start: 5970, Stop: 6446, Start Num: 7

Candidate Starts for Azula_7:

(3, 5763), (5, 5889), (Start: 6 @5967 has 8 MA's), (Start: 7 @5970 has 10 MA's), (8, 6021), (Start: 10 @6045 has 1 MA's), (11, 6066), (12, 6075), (18, 6291), (20, 6324), (21, 6351), (22, 6387),

Gene: BaxterFox_7 Start: 5821, Stop: 6270, Start Num: 6

Candidate Starts for BaxterFox_7:

(Start: 6 @5821 has 8 MA's), (Start: 7 @5824 has 10 MA's), (8, 5875), (11, 5920), (12, 5929), (14, 6058), (23, 6235),

Gene: Blino_7 Start: 5970, Stop: 6470, Start Num: 6

Candidate Starts for Blino_7:

(3, 5766), (5, 5892), (Start: 6 @5970 has 8 MA's), (Start: 7 @5973 has 10 MA's), (8, 6024), (Start: 10 @6048 has 1 MA's), (13, 6201), (15, 6264), (18, 6318), (20, 6348), (21, 6375), (22, 6411),

Gene: Blueberry_7 Start: 5967, Stop: 6446, Start Num: 6

Candidate Starts for Blueberry_7:

(3, 5763), (5, 5889), (Start: 6 @5967 has 8 MA's), (Start: 7 @5970 has 10 MA's), (8, 6021), (Start: 10 @6045 has 1 MA's), (11, 6066), (12, 6075), (18, 6291), (20, 6324), (21, 6351), (22, 6387),

Gene: CarolAnn_7 Start: 5969, Stop: 6469, Start Num: 6

Candidate Starts for CarolAnn_7:

(3, 5765), (5, 5891), (Start: 6 @5969 has 8 MA's), (Start: 7 @5972 has 10 MA's), (8, 6023), (Start: 10 @6047 has 1 MA's), (13, 6200), (15, 6263), (18, 6317), (20, 6347), (21, 6374), (22, 6410),

Gene: Frokostdame_7 Start: 6038, Stop: 6565, Start Num: 6

Candidate Starts for Frokostdame_7:

(3, 5834), (5, 5960), (Start: 6 @6038 has 8 MA's), (Start: 7 @6041 has 10 MA's), (8, 6092), (Start: 10 @6116 has 1 MA's), (11, 6137), (18, 6410), (20, 6443), (21, 6470), (22, 6506),

Gene: Gambino_7 Start: 5970, Stop: 6446, Start Num: 7

Candidate Starts for Gambino_7:

(3, 5763), (5, 5889), (Start: 6 @5967 has 8 MA's), (Start: 7 @5970 has 10 MA's), (8, 6021), (Start: 10 @6045 has 1 MA's), (11, 6066), (12, 6075), (18, 6291), (20, 6324), (21, 6351), (22, 6387),

Gene: Hortense_7 Start: 5836, Stop: 6276, Start Num: 7

Candidate Starts for Hortense_7:

(1, 5365), (3, 5629), (4, 5653), (5, 5755), (Start: 7 @5836 has 10 MA's), (8, 5896), (11, 5941), (16, 6106), (19, 6157), (23, 6241),

Gene: Howe_7 Start: 5836, Stop: 6276, Start Num: 7

Candidate Starts for Howe_7:

(1, 5365), (3, 5629), (4, 5653), (5, 5755), (Start: 7 @5836 has 10 MA's), (8, 5896), (11, 5941), (16, 6106), (19, 6157), (23, 6241),

Gene: JuJu_7 Start: 5980, Stop: 6495, Start Num: 6

Candidate Starts for JuJu_7:

(3, 5776), (5, 5902), (Start: 6 @5980 has 8 MA's), (Start: 7 @5983 has 10 MA's), (8, 6034), (Start: 10 @6058 has 1 MA's), (11, 6079), (12, 6088), (13, 6205), (18, 6322), (20, 6373), (21, 6400), (22, 6436),

Gene: MissRona_7 Start: 5970, Stop: 6446, Start Num: 7

Candidate Starts for MissRona_7:

(3, 5763), (5, 5889), (Start: 6 @5967 has 8 MA's), (Start: 7 @5970 has 10 MA's), (8, 6021), (Start: 10 @6045 has 1 MA's), (11, 6066), (12, 6075), (18, 6291), (20, 6324), (21, 6351), (22, 6387),

Gene: Ohgeesy_7 Start: 5824, Stop: 6270, Start Num: 7

Candidate Starts for Ohgeesy_7:

(Start: 6 @5821 has 8 MA's), (Start: 7 @5824 has 10 MA's), (8, 5875), (11, 5920), (12, 5929), (14, 6058), (23, 6235),

Gene: PantheRoc_6 Start: 5824, Stop: 6270, Start Num: 7

Candidate Starts for PantheRoc_6:

(1, 5353), (2, 5398), (3, 5617), (5, 5743), (Start: 6 @5821 has 8 MA's), (Start: 7 @5824 has 10 MA's), (8, 5875), (11, 5920), (12, 5929), (14, 6058), (23, 6235),

Gene: Petra_7 Start: 6045, Stop: 6476, Start Num: 10

Candidate Starts for Petra_7:

(3, 5763), (5, 5889), (Start: 6 @5967 has 8 MA's), (Start: 7 @5970 has 10 MA's), (8, 6021), (Start: 10 @6045 has 1 MA's), (11, 6066), (12, 6075), (13, 6195), (15, 6267), (18, 6321), (20, 6354), (21, 6381), (22, 6417),

Gene: Shlim410_7 Start: 5836, Stop: 6276, Start Num: 7

Candidate Starts for Shlim410_7:

(1, 5365), (3, 5629), (4, 5653), (5, 5755), (Start: 7 @5836 has 10 MA's), (8, 5896), (11, 5941), (16, 6106), (19, 6157), (23, 6241),

Gene: Sidious_7 Start: 5827, Stop: 6273, Start Num: 7

Candidate Starts for Sidious_7:

(1, 5356), (2, 5401), (3, 5620), (5, 5746), (Start: 6 @5824 has 8 MA's), (Start: 7 @5827 has 10 MA's), (8, 5878), (9, 5899), (11, 5923), (14, 6061), (17, 6106), (23, 6238),

Gene: Twinkle_7 Start: 5836, Stop: 6276, Start Num: 7

Candidate Starts for Twinkle_7:

(1, 5365), (3, 5629), (4, 5653), (5, 5755), (Start: 7 @5836 has 10 MA's), (8, 5896), (11, 5941), (16, 6106), (19, 6157), (23, 6241),

Gene: Walrus_7 Start: 5970, Stop: 6482, Start Num: 6

Candidate Starts for Walrus_7:

(3, 5766), (5, 5892), (Start: 6 @5970 has 8 MA's), (Start: 7 @5973 has 10 MA's), (8, 6024), (Start: 10 @6048 has 1 MA's), (12, 6078), (13, 6201), (15, 6273), (18, 6327), (20, 6360), (21, 6387), (22, 6423),

Gene: Yeezy_7 Start: 5821, Stop: 6270, Start Num: 6

Candidate Starts for Yeezy_7:

(1, 5353), (2, 5398), (3, 5617), (5, 5743), (Start: 6 @5821 has 8 MA's), (Start: 7 @5824 has 10 MA's), (11, 5920), (23, 6235), (24, 6250),