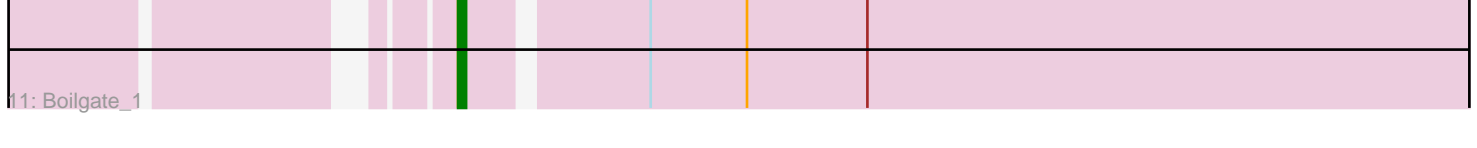
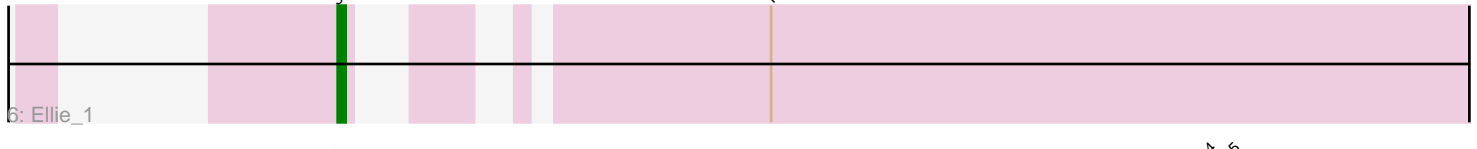
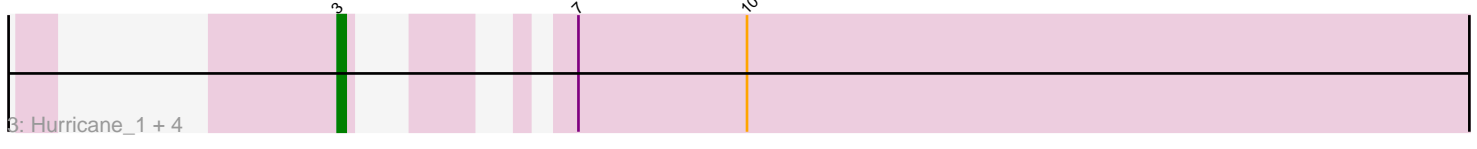
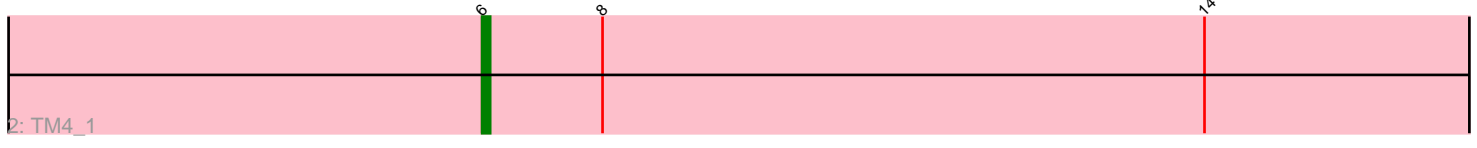
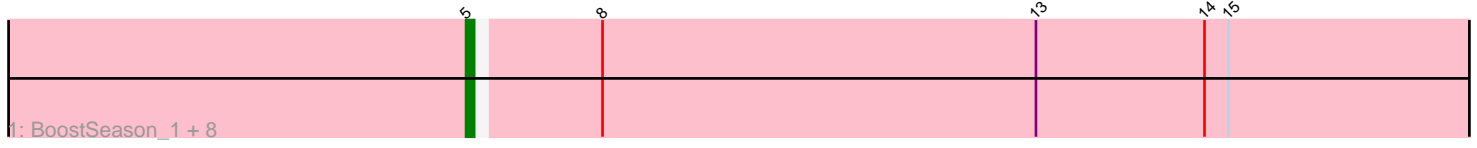


Pham 163697



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 163697 Report

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

Pham number 163697 has 46 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BoostSeason_1, Milly_1, Strobilo_1, DismalFunk_1, Mufasa_1, DismalStressor_1, Findley_1, Marcoliusprime_1, ZoeJ_1
- Track 2 : TM4_1
- Track 3 : Hurricane_1, Keshu_1, ShedlockHolmes_1, Pixie_1, TBond007_1
- Track 4 : MacnCheese_1, Pharb_1, TribbleTrouble_1
- Track 5 : Fionnbharth_1, MissDaisy_1, Juliette_1, Eponine_1, Y10_01, Slarp_1, Taquito_1, JF1_1, OmniCritical_1, SamScheppers_1, Patt_1, Y2_01, Malthus_1, Reptar3000_1, Cheetobro_1, Ruthiejr_1, Wintermute_1, Chancellor_1, Mitti_1
- Track 6 : Ellie_1
- Track 7 : Hammy_1, Amohnition_1, DarthP_1
- Track 8 : Fefferhead_1, Amgine_1
- Track 9 : Ekdilam_1
- Track 10 : Aminay_1
- Track 11 : Boilgate_1

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

The start number called the most often in the published annotations is 4, it was called in 20 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Boilgate_1, Chancellor_1, Cheetobro_1, Eponine_1, Fionnbharth_1, JF1_1, Juliette_1, Malthus_1, MissDaisy_1, Mitti_1, OmniCritical_1, Patt_1, Reptar3000_1, Ruthiejr_1, SamScheppers_1, Slarp_1, Taquito_1, Wintermute_1, Y10_01, Y2_01,

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

-

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

- Amgine_1, Aminay_1, Amohnition_1, BoostSeason_1, DarthP_1, DismalFunk_1, DismalStressor_1, Ekdilam_1, Ellie_1, Fefferhead_1, Findley_1, Hammy_1, Hurricane_1, Keshu_1, MacnCheese_1, Marcoliusprime_1, Milly_1, Mufasa_1, Pharb_1, Pixie_1, ShedlockHolmes_1, Strobilo_1, TBond007_1, TM4_1, TribbleTrouble_1, ZoeJ_1,

Summary by start number:

Start 1:

- Found in 1 of 46 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_1 (K7),

Start 3:

- Found in 15 of 46 (32.6%) of genes in pham
- Manual Annotations of this start: 15 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amgine_1 (K6), Amohnton_1 (K6), DarthP_1 (K6), Ekdilam_1 (K6), Ellie_1 (K6), Fefferhead_1 (K6), Hammy_1 (K6), Hurricane_1 (K3), Keshu_1 (K3), MacnCheese_1 (K3), Pharb_1 (K3), Pixie_1 (K3), ShedlockHolmes_1 (K3), TBond007_1 (K3), TribbleTrouble_1 (K3),

Start 4:

- Found in 20 of 46 (43.5%) of genes in pham
- Manual Annotations of this start: 20 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_1 (K8), Chancellor_1 (K4), Cheetobro_1 (K4), Eponine_1 (K4), Fionnbharth_1 (K4), JF1_1 (K4), Juliette_1 (K4), Malthus_1 (K4), MissDaisy_1 (K4), Mitti_1 (K4), OmniCritical_1 (K4), Patt_1 (K4), Reptar3000_1 (K4), Ruthiejr_1 (K4), SamScheppers_1 (K4), Slarp_1 (K4), Taquito_1 (K4), Wintermute_1 (K4), Y10_01 (K4), Y2_01 (K4),

Start 5:

- Found in 9 of 46 (19.6%) of genes in pham
- Manual Annotations of this start: 8 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoostSeason_1 (K2), DismalFunk_1 (K2), DismalStressor_1 (K2), Findley_1 (K2), Marcoliusprime_1 (K2), Milly_1 (K2), Mufasa_1 (K2), Strobilo_1 (K2), ZoeJ_1 (K2),

Start 6:

- Found in 1 of 46 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TM4_1 (K2),

Summary by clusters:

There are 6 clusters represented in this pham: K3, K2, K7, K6, K4, K8,

Info for manual annotations of cluster K2:

- Start number 5 was manually annotated 8 times for cluster K2.
- Start number 6 was manually annotated 1 time for cluster K2.

Info for manual annotations of cluster K3:

- Start number 3 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 4 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K6:

- Start number 3 was manually annotated 7 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 1 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 4 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Amgine_1 Start: 52, Stop: 195, Start Num: 3

Candidate Starts for Amgine_1:

(Start: 3 @52 has 15 MA's), (10, 88), (11, 91),

Gene: Aminay_1 Start: 67, Stop: 231, Start Num: 1

Candidate Starts for Aminay_1:

(Start: 1 @67 has 1 MA's), (2, 70), (10, 127),

Gene: Amohnition_1 Start: 70, Stop: 210, Start Num: 3

Candidate Starts for Amohnition_1:

(Start: 3 @70 has 15 MA's), (14, 163), (15, 166),

Gene: Boilgate_1 Start: 62, Stop: 202, Start Num: 4

Candidate Starts for Boilgate_1:

(Start: 4 @62 has 20 MA's), (9, 83), (10, 95), (12, 110),

Gene: BoostSeason_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for BoostSeason_1:

(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: Chancellor_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for Chancellor_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Cheetobro_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for Cheetobro_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: DarthP_1 Start: 70, Stop: 210, Start Num: 3

Candidate Starts for DarthP_1:

(Start: 3 @70 has 15 MA's), (14, 163), (15, 166),

Gene: DismalFunk_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for DismalFunk_1:

(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: DismalStressor_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for DismalStressor_1:
(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: Ekdilam_1 Start: 69, Stop: 209, Start Num: 3
Candidate Starts for Ekdilam_1:
(Start: 3 @69 has 15 MA's), (14, 162), (15, 165),

Gene: Ellie_1 Start: 52, Stop: 195, Start Num: 3
Candidate Starts for Ellie_1:
(Start: 3 @52 has 15 MA's), (11, 91),

Gene: Eponine_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Eponine_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Fefferhead_1 Start: 52, Stop: 195, Start Num: 3
Candidate Starts for Fefferhead_1:
(Start: 3 @52 has 15 MA's), (10, 88), (11, 91),

Gene: Findley_1 Start: 88, Stop: 222, Start Num: 5
Candidate Starts for Findley_1:
(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: Fionnbharth_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Fionnbharth_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Hammy_1 Start: 70, Stop: 210, Start Num: 3
Candidate Starts for Hammy_1:
(Start: 3 @70 has 15 MA's), (14, 163), (15, 166),

Gene: Hurricane_1 Start: 51, Stop: 194, Start Num: 3
Candidate Starts for Hurricane_1:
(Start: 3 @51 has 15 MA's), (7, 66), (10, 87),

Gene: JF1_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for JF1_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Juliette_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Juliette_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Keshu_1 Start: 51, Stop: 194, Start Num: 3
Candidate Starts for Keshu_1:
(Start: 3 @51 has 15 MA's), (7, 66), (10, 87),

Gene: MacnCheese_1 Start: 51, Stop: 197, Start Num: 3
Candidate Starts for MacnCheese_1:
(Start: 3 @51 has 15 MA's), (10, 90),

Gene: Malthus_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Malthus_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Marcoliusprime_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for Marcoliusprime_1:

(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: Milly_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for Milly_1:

(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: MissDaisy_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for MissDaisy_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Mitti_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for Mitti_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Mufasa_1 Start: 88, Stop: 222, Start Num: 5

Candidate Starts for Mufasa_1:

(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: OmniCritical_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for OmniCritical_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Patt_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for Patt_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Pharb_1 Start: 51, Stop: 191, Start Num: 3

Candidate Starts for Pharb_1:

(Start: 3 @51 has 15 MA's), (10, 87),

Gene: Pixie_1 Start: 51, Stop: 194, Start Num: 3

Candidate Starts for Pixie_1:

(Start: 3 @51 has 15 MA's), (7, 66), (10, 87),

Gene: Reptar3000_1 Start: 116, Stop: 253, Start Num: 4

Candidate Starts for Reptar3000_1:

(Start: 4 @116 has 20 MA's), (9, 140), (10, 152),

Gene: Ruthiejr_1 Start: 117, Stop: 254, Start Num: 4

Candidate Starts for Ruthiejr_1:

(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: SamScheppers_1 Start: 116, Stop: 253, Start Num: 4

Candidate Starts for SamScheppers_1:

(Start: 4 @116 has 20 MA's), (9, 140), (10, 152),

Gene: ShedlockHolmes_1 Start: 51, Stop: 194, Start Num: 3

Candidate Starts for ShedlockHolmes_1:

(Start: 3 @51 has 15 MA's), (7, 66), (10, 87),

Gene: Slarp_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Slarp_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Strobilo_1 Start: 88, Stop: 222, Start Num: 5
Candidate Starts for Strobilo_1:
(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),

Gene: TBond007_1 Start: 51, Stop: 194, Start Num: 3
Candidate Starts for TBond007_1:
(Start: 3 @51 has 15 MA's), (7, 66), (10, 87),

Gene: TM4_1 Start: 100, Stop: 234, Start Num: 6
Candidate Starts for TM4_1:
(Start: 6 @100 has 1 MA's), (8, 115), (14, 190),

Gene: Taquito_1 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Taquito_1:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: TribelTrouble_1 Start: 51, Stop: 197, Start Num: 3
Candidate Starts for TribelTrouble_1:
(Start: 3 @51 has 15 MA's), (10, 90),

Gene: Wintermute_1 Start: 116, Stop: 253, Start Num: 4
Candidate Starts for Wintermute_1:
(Start: 4 @116 has 20 MA's), (9, 140), (10, 152),

Gene: Y10_01 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Y10_01:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: Y2_01 Start: 117, Stop: 254, Start Num: 4
Candidate Starts for Y2_01:
(Start: 4 @117 has 20 MA's), (9, 141), (10, 153),

Gene: ZoeJ_1 Start: 88, Stop: 222, Start Num: 5
Candidate Starts for ZoeJ_1:
(Start: 5 @88 has 8 MA's), (8, 103), (13, 157), (14, 178), (15, 181),