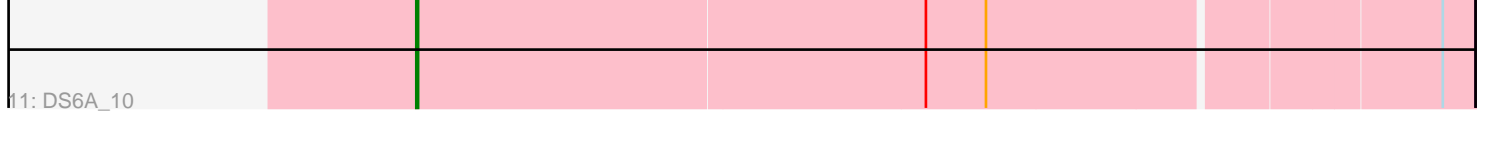
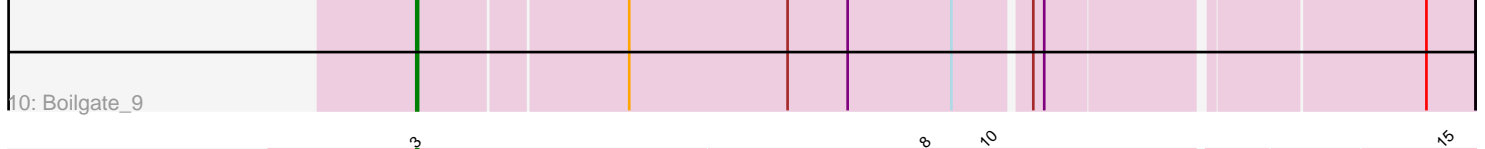
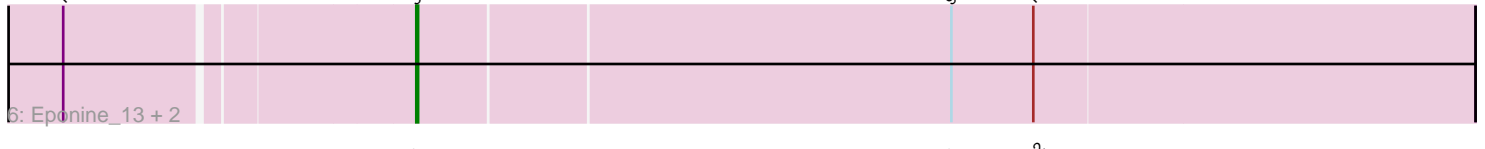
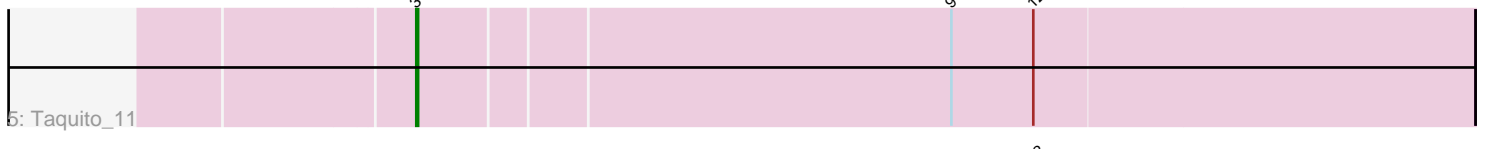
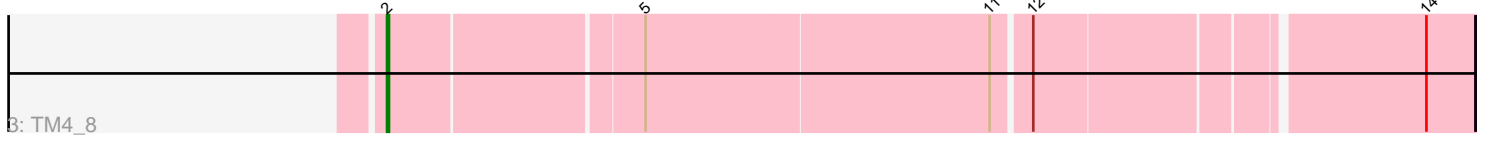
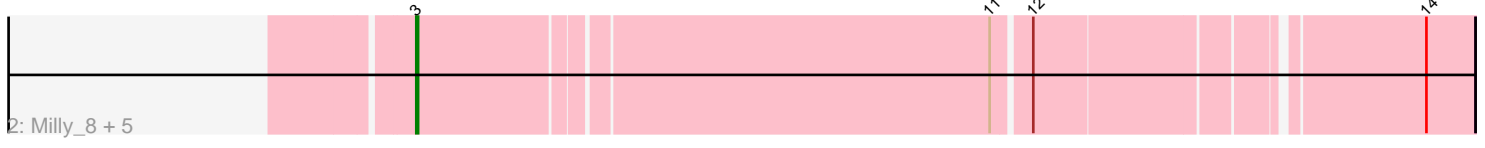
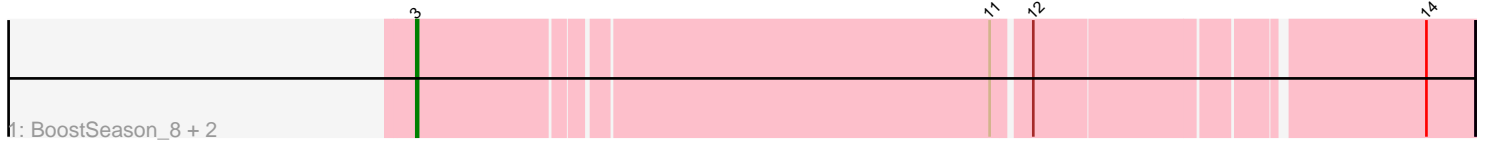


Pham 203167



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 203167 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203167 has 33 members, 1 are drafts.

Phages represented in each track:

- Track 1 : BoostSeason_8, Mufasa_8, ZoeJ_8
- Track 2 : Milly_8, Strobilo_8, DismalFunk_8, Findley_8, DismalStressor_8, Marcoliusprime_8
- Track 3 : TM4_8
- Track 4 : Slarp_13, Cheetobro_13, Mitti_13, Patt_13, Fionnbharth_13, Wintermute_13, Chancellor_13, MissDaisy_13, Kraw_13, OmniCritical_13, Malthus_13, SamScheppers_11
- Track 5 : Taquito_11
- Track 6 : Eponine_13, Juliette_13, Ruthiejr_12
- Track 7 : JF1_13, Y2_13, Y10_13
- Track 8 : Reptar3000_13
- Track 9 : Aminay_10
- Track 10 : Boilgate_9
- Track 11 : DS6A_10

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

The start number called the most often in the published annotations is 3, it was called in 31 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aminay_10, Boilgate_9, BoostSeason_8, Chancellor_13, Cheetobro_13, DS6A_10, DismalFunk_8, DismalStressor_8, Eponine_13, Findley_8, Fionnbharth_13, JF1_13, Juliette_13, Kraw_13, Malthus_13, Marcoliusprime_8, Milly_8, MissDaisy_13, Mitti_13, Mufasa_8, OmniCritical_13, Patt_13, Reptar3000_13, Ruthiejr_12, SamScheppers_11, Slarp_13, Strobilo_8, Taquito_11, Wintermute_13, Y10_13, Y2_13, ZoeJ_8,

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

-

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

- TM4_8,

Summary by start number:

Start 2:

- Found in 1 of 33 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TM4_8 (K2),

Start 3:

- Found in 32 of 33 (97.0%) of genes in pham
- Manual Annotations of this start: 31 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_10 (K7), Boilgate_9 (K8), BoostSeason_8 (K2), Chancellor_13 (K4), Cheetobro_13 (K4), DS6A_10 (singleton), DismalFunk_8 (K2), DismalStressor_8 (K2), Eponine_13 (K4), Findley_8 (K2), Fionnbharth_13 (K4), JF1_13 (K4), Juliette_13 (K4), Kraw_13 (K4), Malthus_13 (K4), Marcoliusprime_8 (K2), Milly_8 (K2), MissDaisy_13 (K4), Mitti_13 (K4), Mufasa_8 (K2), OmniCritical_13 (K4), Patt_13 (K4), Reptar3000_13 (K4), Ruthiejr_12 (K4), SamScheppers_11 (K4), Slarp_13 (K4), Strobilo_8 (K2), Taquito_11 (K4), Wintermute_13 (K4), Y10_13 (K4), Y2_13 (K4), ZoeJ_8 (K2),

Summary by clusters:

There are 5 clusters represented in this pham: K2, singleton, K8, K7, K4,

Info for manual annotations of cluster K2:

- Start number 2 was manually annotated 1 time for cluster K2.
- Start number 3 was manually annotated 9 times for cluster K2.

Info for manual annotations of cluster K4:

- Start number 3 was manually annotated 19 times for cluster K4.

Info for manual annotations of cluster K7:

- Start number 3 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 3 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Aminay_10 Start: 7229, Stop: 7786, Start Num: 3

Candidate Starts for Aminay_10:

(Start: 3 @7229 has 31 MA's), (15, 7769),

Gene: Boilgate_9 Start: 7303, Stop: 7857, Start Num: 3

Candidate Starts for Boilgate_9:

(Start: 3 @7303 has 31 MA's), (4, 7414), (6, 7501), (7, 7534), (9, 7591), (12, 7630), (13, 7636), (14, 7831),

Gene: BoostSeason_8 Start: 5333, Stop: 5878, Start Num: 3

Candidate Starts for BoostSeason_8:

(Start: 3 @5333 has 31 MA's), (11, 5636), (12, 5654), (14, 5852),

Gene: Chancellor_13 Start: 8544, Stop: 9116, Start Num: 3

Candidate Starts for Chancellor_13:

(Start: 3 @8544 has 31 MA's), (9, 8832), (12, 8877),

Gene: Cheetobro_13 Start: 8544, Stop: 9116, Start Num: 3

Candidate Starts for Cheetobro_13:

(Start: 3 @8544 has 31 MA's), (9, 8832), (12, 8877),

Gene: DS6A_10 Start: 7559, Stop: 8122, Start Num: 3

Candidate Starts for DS6A_10:

(Start: 3 @7559 has 31 MA's), (8, 7835), (10, 7868), (15, 8105),

Gene: DismalFunk_8 Start: 5349, Stop: 5891, Start Num: 3

Candidate Starts for DismalFunk_8:

(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: DismalStressor_8 Start: 5349, Stop: 5891, Start Num: 3

Candidate Starts for DismalStressor_8:

(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: Eponine_13 Start: 8420, Stop: 8992, Start Num: 3

Candidate Starts for Eponine_13:

(1, 8240), (Start: 3 @8420 has 31 MA's), (9, 8708), (12, 8753),

Gene: Findley_8 Start: 5349, Stop: 5891, Start Num: 3

Candidate Starts for Findley_8:

(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: Fionnbharth_13 Start: 8534, Stop: 9106, Start Num: 3

Candidate Starts for Fionnbharth_13:

(Start: 3 @8534 has 31 MA's), (9, 8822), (12, 8867),

Gene: JF1_13 Start: 8533, Stop: 9105, Start Num: 3

Candidate Starts for JF1_13:

(Start: 3 @8533 has 31 MA's), (9, 8821), (12, 8866),

Gene: Juliette_13 Start: 8420, Stop: 8992, Start Num: 3

Candidate Starts for Juliette_13:

(1, 8240), (Start: 3 @8420 has 31 MA's), (9, 8708), (12, 8753),

Gene: Kraw_13 Start: 8453, Stop: 9025, Start Num: 3

Candidate Starts for Kraw_13:

(Start: 3 @8453 has 31 MA's), (9, 8741), (12, 8786),

Gene: Malthus_13 Start: 8453, Stop: 9025, Start Num: 3

Candidate Starts for Malthus_13:

(Start: 3 @8453 has 31 MA's), (9, 8741), (12, 8786),

Gene: Marcoliusprime_8 Start: 5349, Stop: 5891, Start Num: 3

Candidate Starts for Marcoliusprime_8:

(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: Milly_8 Start: 5349, Stop: 5891, Start Num: 3
Candidate Starts for Milly_8:
(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: MissDaisy_13 Start: 8319, Stop: 8891, Start Num: 3
Candidate Starts for MissDaisy_13:
(Start: 3 @8319 has 31 MA's), (9, 8607), (12, 8652),

Gene: Mitti_13 Start: 8457, Stop: 9029, Start Num: 3
Candidate Starts for Mitti_13:
(Start: 3 @8457 has 31 MA's), (9, 8745), (12, 8790),

Gene: Mufasa_8 Start: 5333, Stop: 5878, Start Num: 3
Candidate Starts for Mufasa_8:
(Start: 3 @5333 has 31 MA's), (11, 5636), (12, 5654), (14, 5852),

Gene: OmniCritical_13 Start: 8444, Stop: 9016, Start Num: 3
Candidate Starts for OmniCritical_13:
(Start: 3 @8444 has 31 MA's), (9, 8732), (12, 8777),

Gene: Patt_13 Start: 8295, Stop: 8867, Start Num: 3
Candidate Starts for Patt_13:
(Start: 3 @8295 has 31 MA's), (9, 8583), (12, 8628),

Gene: Reptar3000_13 Start: 8297, Stop: 8869, Start Num: 3
Candidate Starts for Reptar3000_13:
(Start: 3 @8297 has 31 MA's), (9, 8585), (12, 8630),

Gene: Ruthiejr_12 Start: 8151, Stop: 8723, Start Num: 3
Candidate Starts for Ruthiejr_12:
(1, 7971), (Start: 3 @8151 has 31 MA's), (9, 8439), (12, 8484),

Gene: SamScheppers_11 Start: 8060, Stop: 8632, Start Num: 3
Candidate Starts for SamScheppers_11:
(Start: 3 @8060 has 31 MA's), (9, 8348), (12, 8393),

Gene: Slarp_13 Start: 8544, Stop: 9116, Start Num: 3
Candidate Starts for Slarp_13:
(Start: 3 @8544 has 31 MA's), (9, 8832), (12, 8877),

Gene: Strobilo_8 Start: 5349, Stop: 5891, Start Num: 3
Candidate Starts for Strobilo_8:
(Start: 3 @5349 has 31 MA's), (11, 5652), (12, 5670), (14, 5865),

Gene: TM4_8 Start: 5384, Stop: 5944, Start Num: 2
Candidate Starts for TM4_8:
(Start: 2 @5384 has 1 MA's), (5, 5516), (11, 5702), (12, 5720), (14, 5918),

Gene: Taquito_11 Start: 8133, Stop: 8702, Start Num: 3
Candidate Starts for Taquito_11:
(Start: 3 @8133 has 31 MA's), (9, 8418), (12, 8463),

Gene: Wintermute_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for Wintermute_13:
(Start: 3 @8533 has 31 MA's), (9, 8821), (12, 8866),

Gene: Y10_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for Y10_13:
(Start: 3 @8533 has 31 MA's), (9, 8821), (12, 8866),

Gene: Y2_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for Y2_13:
(Start: 3 @8533 has 31 MA's), (9, 8821), (12, 8866),

Gene: ZoeJ_8 Start: 5306, Stop: 5842, Start Num: 3
Candidate Starts for ZoeJ_8:
(Start: 3 @5306 has 31 MA's), (11, 5603), (12, 5621), (14, 5816),