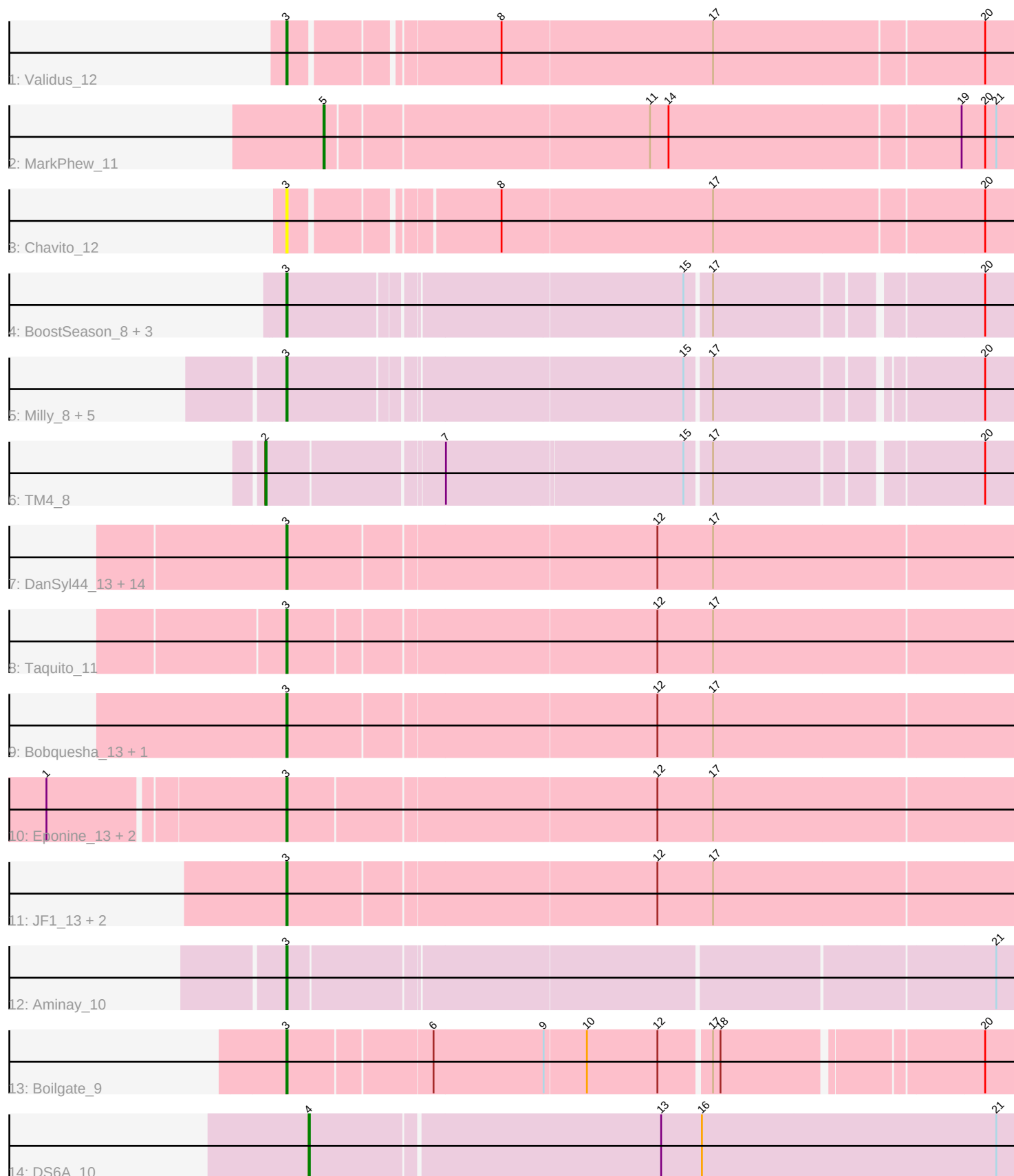


Pham 280603



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 280603 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280603 has 41 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Validus_12
- Track 2 : MarkPhew_11
- Track 3 : Chavito_12
- Track 4 : BoostSeason_8, Doughnut_8, Mufasa_8, ZoeJ_8
- Track 5 : Milly_8, Strobilo_8, DismalFunk_8, Findley_8, DismalStressor_8, Marcoliusprime_8
- Track 6 : TM4_8
- Track 7 : DanSyl44_13, Lebo14_13, Mitti_13, Fionnbharth_13, Patt_13, Cheetobro_13, Wintermute_13, Chancellor_13, YasnayaPolyana_13, Slarp_13, MissDaisy_13, Kraw_13, OmniCritical_13, Malthus_13, SamScheppers_11
- Track 8 : Taquito_11
- Track 9 : Bobquesha_13, Reptar3000_13
- Track 10 : Eponine_13, Juliette_13, Ruthiejr_12
- Track 11 : JF1_13, Y2_13, Y10_13
- Track 12 : Aminay_10
- Track 13 : Boilgate_9
- Track 14 : 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 35 of the 38 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aminay_10, Bobquesha_13, Boilgate_9, BoostSeason_8, Chancellor_13, Chavito_12, Cheetobro_13, DanSyl44_13, DismalFunk_8, DismalStressor_8, Doughnut_8, Eponine_13, Findley_8, Fionnbharth_13, JF1_13, Juliette_13, Kraw_13, Lebo14_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, Validus_12, Wintermute_13, Y10_13, Y2_13, YasnayaPolyana_13, ZoeJ_8,

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

-

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

- DS6A_10, MarkPhew_11, TM4_8,

Summary by start number:

Start 2:

- Found in 1 of 41 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: TM4_8 (K2),

Start 3:

- Found in 38 of 41 (92.7%) of genes in pham
- Manual Annotations of this start: 35 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_10 (K7), Bobquesha_13 (K4), Boilgate_9 (K8), BoostSeason_8 (K2), Chancellor_13 (K4), Chavito_12 (K1), Cheetobro_13 (K4), DanSyl44_13 (K4), DismalFunk_8 (K2), DismalStressor_8 (K2), Doughnut_8 (K2), Eponine_13 (K4), Findley_8 (K2), Fionnbharth_13 (K4), JF1_13 (K4), Juliette_13 (K4), Kraw_13 (K4), Lebo14_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), Validus_12 (K1), Wintermute_13 (K4), Y10_13 (K4), Y2_13 (K4), YasnayaPolyana_13 (K4), ZoeJ_8 (K2),

Start 4:

- Found in 1 of 41 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_10 (singleton),

Start 5:

- Found in 1 of 41 (2.4%) of genes in pham
- Manual Annotations of this start: 1 of 38
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MarkPhew_11 (K1),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, K2, K1, K7, K4, K8,

Info for manual annotations of cluster K1:

- Start number 3 was manually annotated 1 time for cluster K1.
- Start number 5 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K2:

- Start number 2 was manually annotated 1 time for cluster K2.
- Start number 3 was manually annotated 10 times for cluster K2.

Info for manual annotations of cluster K4:

- Start number 3 was manually annotated 22 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 35 MA's), (21, 7769),

Gene: Bobquesha_13 Start: 8298, Stop: 8870, Start Num: 3

Candidate Starts for Bobquesha_13:

(Start: 3 @8298 has 35 MA's), (12, 8586), (17, 8631),

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

Candidate Starts for Boilgate_9:

(Start: 3 @7303 has 35 MA's), (6, 7414), (9, 7501), (10, 7534), (12, 7591), (17, 7630), (18, 7636), (20, 7831),

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

Candidate Starts for BoostSeason_8:

(Start: 3 @5333 has 35 MA's), (15, 5636), (17, 5654), (20, 5852),

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

Candidate Starts for Chancellor_13:

(Start: 3 @8544 has 35 MA's), (12, 8832), (17, 8877),

Gene: Chavito_12 Start: 6370, Stop: 6924, Start Num: 3

Candidate Starts for Chavito_12:

(Start: 3 @6370 has 35 MA's), (8, 6520), (17, 6688), (20, 6898),

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

Candidate Starts for Cheetobro_13:

(Start: 3 @8544 has 35 MA's), (12, 8832), (17, 8877),

Gene: DS6A_10 Start: 7559, Stop: 8122, Start Num: 4

Candidate Starts for DS6A_10:

(Start: 4 @7559 has 1 MA's), (13, 7835), (16, 7868), (21, 8105),

Gene: DanSyl44_13 Start: 8547, Stop: 9119, Start Num: 3

Candidate Starts for DanSyl44_13:

(Start: 3 @8547 has 35 MA's), (12, 8835), (17, 8880),

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

Candidate Starts for DismalFunk_8:

(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

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

Candidate Starts for DismalStressor_8:
(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

Gene: Doughnut_8 Start: 5333, Stop: 5878, Start Num: 3
Candidate Starts for Doughnut_8:
(Start: 3 @5333 has 35 MA's), (15, 5636), (17, 5654), (20, 5852),

Gene: Eponine_13 Start: 8420, Stop: 8992, Start Num: 3
Candidate Starts for Eponine_13:
(1, 8240), (Start: 3 @8420 has 35 MA's), (12, 8708), (17, 8753),

Gene: Findley_8 Start: 5349, Stop: 5891, Start Num: 3
Candidate Starts for Findley_8:
(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

Gene: Fionnbharth_13 Start: 8534, Stop: 9106, Start Num: 3
Candidate Starts for Fionnbharth_13:
(Start: 3 @8534 has 35 MA's), (12, 8822), (17, 8867),

Gene: JF1_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for JF1_13:
(Start: 3 @8533 has 35 MA's), (12, 8821), (17, 8866),

Gene: Juliette_13 Start: 8420, Stop: 8992, Start Num: 3
Candidate Starts for Juliette_13:
(1, 8240), (Start: 3 @8420 has 35 MA's), (12, 8708), (17, 8753),

Gene: Kraw_13 Start: 8453, Stop: 9025, Start Num: 3
Candidate Starts for Kraw_13:
(Start: 3 @8453 has 35 MA's), (12, 8741), (17, 8786),

Gene: Lebo14_13 Start: 8547, Stop: 9119, Start Num: 3
Candidate Starts for Lebo14_13:
(Start: 3 @8547 has 35 MA's), (12, 8835), (17, 8880),

Gene: Malthus_13 Start: 8453, Stop: 9025, Start Num: 3
Candidate Starts for Malthus_13:
(Start: 3 @8453 has 35 MA's), (12, 8741), (17, 8786),

Gene: Marcoliusprime_8 Start: 5349, Stop: 5891, Start Num: 3
Candidate Starts for Marcoliusprime_8:
(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

Gene: MarkPhew_11 Start: 6090, Stop: 6629, Start Num: 5
Candidate Starts for MarkPhew_11:
(Start: 5 @6090 has 1 MA's), (11, 6342), (14, 6357), (19, 6585), (20, 6603), (21, 6612),

Gene: Milly_8 Start: 5349, Stop: 5891, Start Num: 3
Candidate Starts for Milly_8:
(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

Gene: MissDaisy_13 Start: 8319, Stop: 8891, Start Num: 3
Candidate Starts for MissDaisy_13:

(Start: 3 @8319 has 35 MA's), (12, 8607), (17, 8652),

Gene: Mitti_13 Start: 8457, Stop: 9029, Start Num: 3

Candidate Starts for Mitti_13:

(Start: 3 @8457 has 35 MA's), (12, 8745), (17, 8790),

Gene: Mufasa_8 Start: 5333, Stop: 5878, Start Num: 3

Candidate Starts for Mufasa_8:

(Start: 3 @5333 has 35 MA's), (15, 5636), (17, 5654), (20, 5852),

Gene: OmniCritical_13 Start: 8444, Stop: 9016, Start Num: 3

Candidate Starts for OmniCritical_13:

(Start: 3 @8444 has 35 MA's), (12, 8732), (17, 8777),

Gene: Patt_13 Start: 8295, Stop: 8867, Start Num: 3

Candidate Starts for Patt_13:

(Start: 3 @8295 has 35 MA's), (12, 8583), (17, 8628),

Gene: Reptar3000_13 Start: 8297, Stop: 8869, Start Num: 3

Candidate Starts for Reptar3000_13:

(Start: 3 @8297 has 35 MA's), (12, 8585), (17, 8630),

Gene: Ruthiejr_12 Start: 8151, Stop: 8723, Start Num: 3

Candidate Starts for Ruthiejr_12:

(1, 7971), (Start: 3 @8151 has 35 MA's), (12, 8439), (17, 8484),

Gene: SamScheppers_11 Start: 8060, Stop: 8632, Start Num: 3

Candidate Starts for SamScheppers_11:

(Start: 3 @8060 has 35 MA's), (12, 8348), (17, 8393),

Gene: Slarp_13 Start: 8544, Stop: 9116, Start Num: 3

Candidate Starts for Slarp_13:

(Start: 3 @8544 has 35 MA's), (12, 8832), (17, 8877),

Gene: Strobilo_8 Start: 5349, Stop: 5891, Start Num: 3

Candidate Starts for Strobilo_8:

(Start: 3 @5349 has 35 MA's), (15, 5652), (17, 5670), (20, 5865),

Gene: TM4_8 Start: 5384, Stop: 5944, Start Num: 2

Candidate Starts for TM4_8:

(Start: 2 @5384 has 1 MA's), (7, 5516), (15, 5702), (17, 5720), (20, 5918),

Gene: Taquito_11 Start: 8133, Stop: 8702, Start Num: 3

Candidate Starts for Taquito_11:

(Start: 3 @8133 has 35 MA's), (12, 8418), (17, 8463),

Gene: Validus_12 Start: 6293, Stop: 6850, Start Num: 3

Candidate Starts for Validus_12:

(Start: 3 @6293 has 35 MA's), (8, 6446), (17, 6614), (20, 6824),

Gene: Wintermute_13 Start: 8533, Stop: 9105, Start Num: 3

Candidate Starts for Wintermute_13:

(Start: 3 @8533 has 35 MA's), (12, 8821), (17, 8866),

Gene: Y10_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for Y10_13:
(Start: 3 @8533 has 35 MA's), (12, 8821), (17, 8866),

Gene: Y2_13 Start: 8533, Stop: 9105, Start Num: 3
Candidate Starts for Y2_13:
(Start: 3 @8533 has 35 MA's), (12, 8821), (17, 8866),

Gene: YasnayaPolyana_13 Start: 8534, Stop: 9106, Start Num: 3
Candidate Starts for YasnayaPolyana_13:
(Start: 3 @8534 has 35 MA's), (12, 8822), (17, 8867),

Gene: ZoeJ_8 Start: 5306, Stop: 5842, Start Num: 3
Candidate Starts for ZoeJ_8:
(Start: 3 @5306 has 35 MA's), (15, 5603), (17, 5621), (20, 5816),