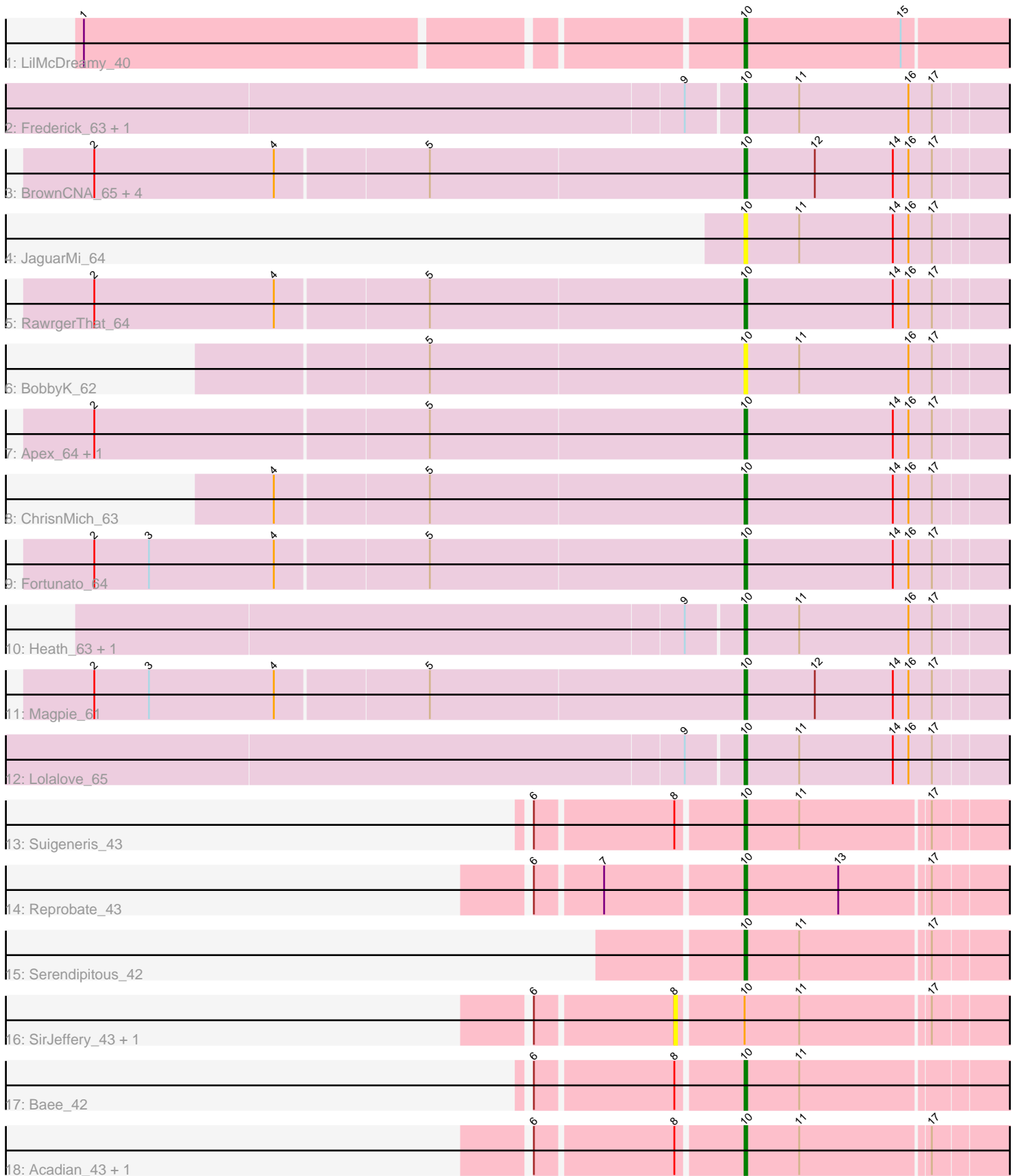


Pham 3232



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 3232 Report

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

Pham number 3232 has 27 members, 5 are drafts.

Phages represented in each track:

- Track 1 : LilMcDreamy_40
- Track 2 : Frederick_63, Hydro_64
- Track 3 : BrownCNA_65, VioletZ_65, Mudslide_63, Waleliano_63, Mithril_63
- Track 4 : JaguarMi_64
- Track 5 : RawrgerThat_64
- Track 6 : BobbyK_62
- Track 7 : Apex_64, JAMaL_63
- Track 8 : ChrisnMich_63
- Track 9 : Fortunato_64
- Track 10 : Heath_63, Hangman_64
- Track 11 : Magpie_61
- Track 12 : Lolalove_65
- Track 13 : Suigeneris_43
- Track 14 : Reprobate_43
- Track 15 : Serendipitous_42
- Track 16 : SirJeffery_43, EastView9101_43
- Track 17 : Baee_42
- Track 18 : Acadian_43, Donny_43

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

The start number called the most often in the published annotations is 10, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_43, Apex_64, Baee_42, BobbyK_62, BrownCNA_65, ChrisnMich_63, Donny_43, Fortunato_64, Frederick_63, Hangman_64, Heath_63, Hydro_64, JAMaL_63, JaguarMi_64, LilMcDreamy_40, Lolalove_65, Magpie_61, Mithril_63, Mudslide_63, RawrgerThat_64, Reprobate_43, Serendipitous_42, Suigeneris_43, VioletZ_65, Waleliano_63,

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

- EastView9101_43, SirJeffery_43,

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

-

Summary by start number:

Start 8:

- Found in 6 of 27 (22.2%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: EastView9101_43 (B5), SirJeffery_43 (B5),

Start 10:

- Found in 27 of 27 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 92.6% of time when present
- Phage (with cluster) where this start called: Acadian_43 (B5), Apex_64 (B4), Baee_42 (B5), BobbyK_62 (B4), BrownCNA_65 (B4), ChrisnMich_63 (B4), Donny_43 (B5), Fortunato_64 (B4), Frederick_63 (B4), Hangman_64 (B4), Heath_63 (B4), Hydro_64 (B4), JAMaL_63 (B4), JaguarMi_64 (B4), LilMcDreamy_40 (B12), Lolalove_65 (B4), Magpie_61 (B4), Mithril_63 (B4), Mudslide_63 (B4), RawrgerThat_64 (B4), Reprobate_43 (B5), Serendipitous_42 (B5), Suigeneris_43 (B5), VioletZ_65 (B4), Waleliano_63 (B4),

Summary by clusters:

There are 3 clusters represented in this pham: B4, B5, B12,

Info for manual annotations of cluster B12:

- Start number 10 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B4:

- Start number 10 was manually annotated 15 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 10 was manually annotated 6 times for cluster B5.

Gene Information:

Gene: Acadian_43 Start: 39442, Stop: 39338, Start Num: 10

Candidate Starts for Acadian_43:

(6, 39517), (8, 39466), (Start: 10 @39442 has 22 MA's), (11, 39421), (17, 39373),

Gene: Apex_64 Start: 58682, Stop: 58795, Start Num: 10

Candidate Starts for Apex_64:

(2, 58436), (5, 58562), (Start: 10 @58682 has 22 MA's), (14, 58739), (16, 58745), (17, 58754),

Gene: Baee_42 Start: 39344, Stop: 39240, Start Num: 10

Candidate Starts for Baee_42:

(6, 39419), (8, 39368), (Start: 10 @39344 has 22 MA's), (11, 39323),

Gene: BobbyK_62 Start: 58444, Stop: 58557, Start Num: 10

Candidate Starts for BobbyK_62:

(5, 58324), (Start: 10 @58444 has 22 MA's), (11, 58465), (16, 58507), (17, 58516),

Gene: BrownCNA_65 Start: 58845, Stop: 58958, Start Num: 10

Candidate Starts for BrownCNA_65:

(2, 58599), (4, 58668), (5, 58725), (Start: 10 @58845 has 22 MA's), (12, 58872), (14, 58902), (16, 58908), (17, 58917),

Gene: ChrisnMich_63 Start: 57549, Stop: 57662, Start Num: 10

Candidate Starts for ChrisnMich_63:

(4, 57372), (5, 57429), (Start: 10 @57549 has 22 MA's), (14, 57606), (16, 57612), (17, 57621),

Gene: Donny_43 Start: 39447, Stop: 39343, Start Num: 10

Candidate Starts for Donny_43:

(6, 39522), (8, 39471), (Start: 10 @39447 has 22 MA's), (11, 39426), (17, 39378),

Gene: EastView9101_43 Start: 39121, Stop: 38993, Start Num: 8

Candidate Starts for EastView9101_43:

(6, 39172), (8, 39121), (Start: 10 @39097 has 22 MA's), (11, 39076), (17, 39028),

Gene: Fortunato_64 Start: 58543, Stop: 58656, Start Num: 10

Candidate Starts for Fortunato_64:

(2, 58297), (3, 58318), (4, 58366), (5, 58423), (Start: 10 @58543 has 22 MA's), (14, 58600), (16, 58606), (17, 58615),

Gene: Frederick_63 Start: 58544, Stop: 58657, Start Num: 10

Candidate Starts for Frederick_63:

(9, 58523), (Start: 10 @58544 has 22 MA's), (11, 58565), (16, 58607), (17, 58616),

Gene: Hangman_64 Start: 58743, Stop: 58856, Start Num: 10

Candidate Starts for Hangman_64:

(9, 58722), (Start: 10 @58743 has 22 MA's), (11, 58764), (16, 58806), (17, 58815),

Gene: Heath_63 Start: 58370, Stop: 58483, Start Num: 10

Candidate Starts for Heath_63:

(9, 58349), (Start: 10 @58370 has 22 MA's), (11, 58391), (16, 58433), (17, 58442),

Gene: Hydro_64 Start: 58681, Stop: 58794, Start Num: 10

Candidate Starts for Hydro_64:

(9, 58660), (Start: 10 @58681 has 22 MA's), (11, 58702), (16, 58744), (17, 58753),

Gene: JAMaL_63 Start: 58574, Stop: 58687, Start Num: 10

Candidate Starts for JAMaL_63:

(2, 58328), (5, 58454), (Start: 10 @58574 has 22 MA's), (14, 58631), (16, 58637), (17, 58646),

Gene: JaguarMi_64 Start: 59759, Stop: 59872, Start Num: 10

Candidate Starts for JaguarMi_64:

(Start: 10 @59759 has 22 MA's), (11, 59780), (14, 59816), (16, 59822), (17, 59831),

Gene: LilMcDreamy_40 Start: 38545, Stop: 38438, Start Num: 10

Candidate Starts for LilMcDreamy_40:

(1, 38785), (Start: 10 @38545 has 22 MA's), (15, 38485),

Gene: Lolalove_65 Start: 58704, Stop: 58817, Start Num: 10

Candidate Starts for Lolalove_65:

(9, 58683), (Start: 10 @58704 has 22 MA's), (11, 58725), (14, 58761), (16, 58767), (17, 58776),

Gene: Magpie_61 Start: 58470, Stop: 58583, Start Num: 10

Candidate Starts for Magpie_61:

(2, 58224), (3, 58245), (4, 58293), (5, 58350), (Start: 10 @58470 has 22 MA's), (12, 58497), (14, 58527), (16, 58533), (17, 58542),

Gene: Mithril_63 Start: 58700, Stop: 58813, Start Num: 10

Candidate Starts for Mithril_63:

(2, 58454), (4, 58523), (5, 58580), (Start: 10 @58700 has 22 MA's), (12, 58727), (14, 58757), (16, 58763), (17, 58772),

Gene: Mudslide_63 Start: 58775, Stop: 58888, Start Num: 10

Candidate Starts for Mudslide_63:

(2, 58529), (4, 58598), (5, 58655), (Start: 10 @58775 has 22 MA's), (12, 58802), (14, 58832), (16, 58838), (17, 58847),

Gene: RawrgerThat_64 Start: 58521, Stop: 58634, Start Num: 10

Candidate Starts for RawrgerThat_64:

(2, 58275), (4, 58344), (5, 58401), (Start: 10 @58521 has 22 MA's), (14, 58578), (16, 58584), (17, 58593),

Gene: Reprobate_43 Start: 39718, Stop: 39614, Start Num: 10

Candidate Starts for Reprobate_43:

(6, 39793), (7, 39769), (Start: 10 @39718 has 22 MA's), (13, 39682), (17, 39649),

Gene: Serendipitous_42 Start: 39272, Stop: 39165, Start Num: 10

Candidate Starts for Serendipitous_42:

(Start: 10 @39272 has 22 MA's), (11, 39251), (17, 39203),

Gene: SirJeffery_43 Start: 39468, Stop: 39340, Start Num: 8

Candidate Starts for SirJeffery_43:

(6, 39519), (8, 39468), (Start: 10 @39444 has 22 MA's), (11, 39423), (17, 39375),

Gene: Suigeneris_43 Start: 39447, Stop: 39343, Start Num: 10

Candidate Starts for Suigeneris_43:

(6, 39522), (8, 39471), (Start: 10 @39447 has 22 MA's), (11, 39426), (17, 39378),

Gene: VioletZ_65 Start: 58637, Stop: 58750, Start Num: 10

Candidate Starts for VioletZ_65:

(2, 58391), (4, 58460), (5, 58517), (Start: 10 @58637 has 22 MA's), (12, 58664), (14, 58694), (16, 58700), (17, 58709),

Gene: Waleliano_63 Start: 58577, Stop: 58690, Start Num: 10

Candidate Starts for Waleliano_63:

(2, 58331), (4, 58400), (5, 58457), (Start: 10 @58577 has 22 MA's), (12, 58604), (14, 58634), (16, 58640), (17, 58649),