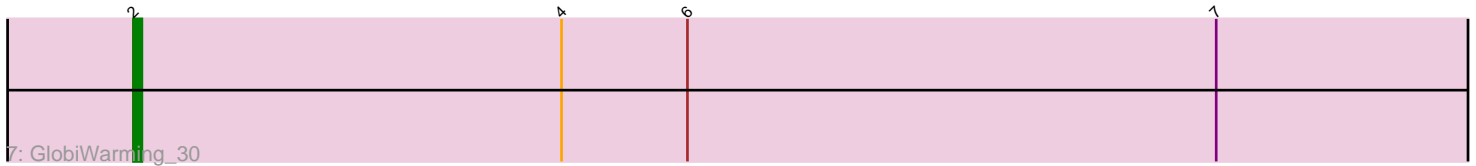
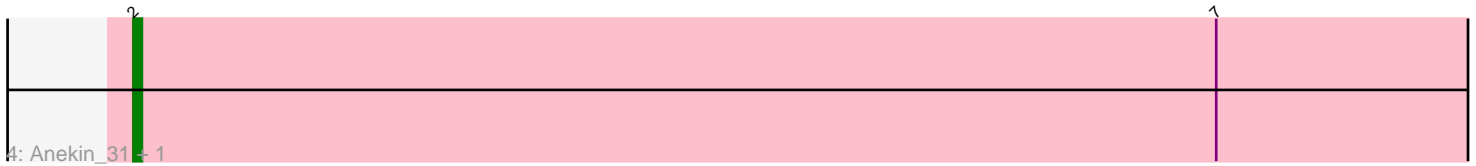
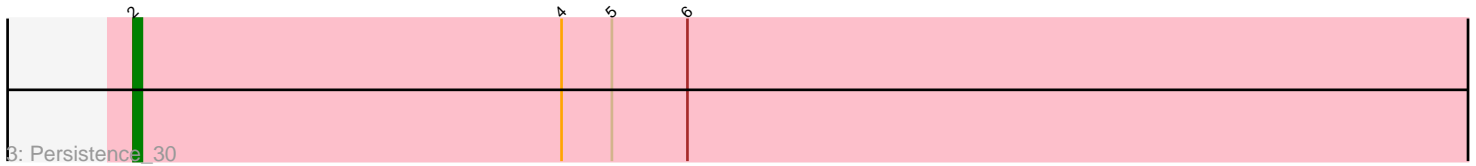
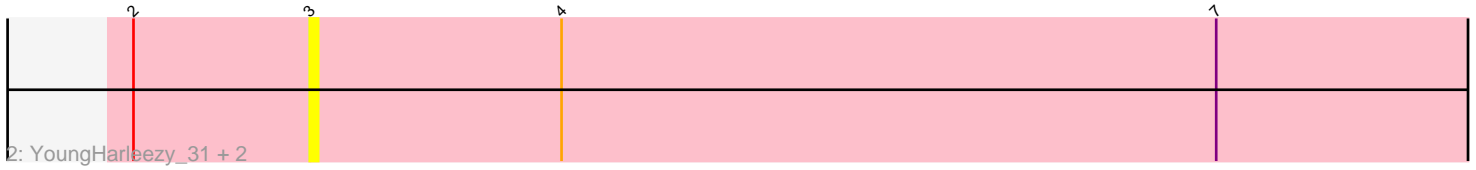
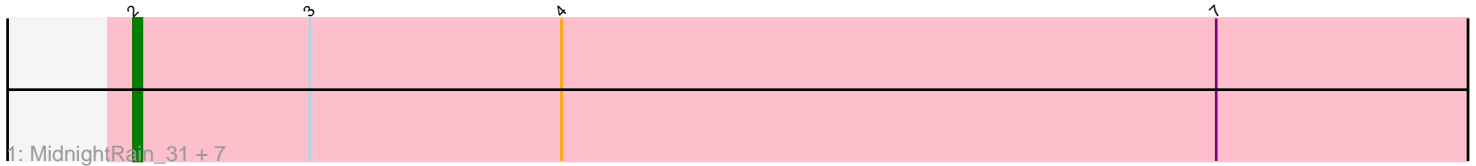


Pham 163931



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 163931 Report

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

Pham number 163931 has 21 members, 9 are drafts.

Phages represented in each track:

- Track 1 : MidnightRain_31, Hillester_31, BenchScraper_31, CookieBear_32, Sakai_31, Isolde_31, Richie_31, RadFad_31
- Track 2 : YoungHarleezy_31, Raphaella_32, Globfish_31
- Track 3 : Persistence_30
- Track 4 : Anekin_31, Hestia_31
- Track 5 : PeggyLeg03_29, Constance_29
- Track 6 : Judy_30
- Track 7 : GlobiWarming_30
- Track 8 : Bridgette_29
- Track 9 : ChuckDuck_30, Karkharias_29

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anekin_31, BenchScraper_31, Bridgette_29, Constance_29, CookieBear_32, GlobiWarming_30, Hestia_31, Hillester_31, Isolde_31, Judy_30, MidnightRain_31, PeggyLeg03_29, Persistence_30, RadFad_31, Richie_31, Sakai_31,

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

- ChuckDuck_30, Globfish_31, Karkharias_29, Raphaella_32, YoungHarleezy_31,

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

-

Summary by start number:

Start 2:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 76.2% of time when present

- Phage (with cluster) where this start called: Anekin_31 (AY), BenchScraper_31 (AY), Bridgette_29 (FA), Constance_29 (FA), CookieBear_32 (AY), GlobiWarming_30 (FA), Hestia_31 (AY), Hillester_31 (AY), Isolde_31 (AY), Judy_30 (FA), MidnightRain_31 (AY), PeggyLeg03_29 (FA), Persistence_30 (AY), RadFad_31 (AY), Richie_31 (AY), Sakai_31 (AY),

Start 3:

- Found in 15 of 21 (71.4%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ChuckDuck_30 (FA), Globfish_31 (AY), Karkharias_29 (FA), Raphaella_32 (AY), YoungHarleezy_31 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:

- Start number 2 was manually annotated 7 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 2 was manually annotated 5 times for cluster FA.

Gene Information:

Gene: Anekin_31 Start: 21604, Stop: 21816, Start Num: 2

Candidate Starts for Anekin_31:

(Start: 2 @21604 has 12 MA's), (7, 21733),

Gene: BenchScraper_31 Start: 21440, Stop: 21652, Start Num: 2

Candidate Starts for BenchScraper_31:

(Start: 2 @21440 has 12 MA's), (3, 21461), (4, 21491), (7, 21569),

Gene: Bridgette_29 Start: 21491, Stop: 21703, Start Num: 2

Candidate Starts for Bridgette_29:

(1, 21476), (Start: 2 @21491 has 12 MA's), (7, 21620),

Gene: ChuckDuck_30 Start: 21280, Stop: 21471, Start Num: 3

Candidate Starts for ChuckDuck_30:

(Start: 2 @21259 has 12 MA's), (3, 21280), (7, 21388),

Gene: Constance_29 Start: 21731, Stop: 21943, Start Num: 2

Candidate Starts for Constance_29:

(Start: 2 @21731 has 12 MA's), (3, 21752), (7, 21860),

Gene: CookieBear_32 Start: 21425, Stop: 21637, Start Num: 2

Candidate Starts for CookieBear_32:

(Start: 2 @21425 has 12 MA's), (3, 21446), (4, 21476), (7, 21554),

Gene: Globfish_31 Start: 21680, Stop: 21871, Start Num: 3

Candidate Starts for Globfish_31:

(Start: 2 @21659 has 12 MA's), (3, 21680), (4, 21710), (7, 21788),

Gene: GlobiWarming_30 Start: 21174, Stop: 21386, Start Num: 2
Candidate Starts for GlobiWarming_30:
(Start: 2 @21174 has 12 MA's), (4, 21225), (6, 21240), (7, 21303),

Gene: Hestia_31 Start: 21464, Stop: 21676, Start Num: 2
Candidate Starts for Hestia_31:
(Start: 2 @21464 has 12 MA's), (7, 21593),

Gene: Hillester_31 Start: 21425, Stop: 21637, Start Num: 2
Candidate Starts for Hillester_31:
(Start: 2 @21425 has 12 MA's), (3, 21446), (4, 21476), (7, 21554),

Gene: Isolde_31 Start: 21194, Stop: 21406, Start Num: 2
Candidate Starts for Isolde_31:
(Start: 2 @21194 has 12 MA's), (3, 21215), (4, 21245), (7, 21323),

Gene: Judy_30 Start: 21742, Stop: 21954, Start Num: 2
Candidate Starts for Judy_30:
(1, 21727), (Start: 2 @21742 has 12 MA's), (4, 21793), (7, 21871),

Gene: Karkharias_29 Start: 21140, Stop: 21331, Start Num: 3
Candidate Starts for Karkharias_29:
(Start: 2 @21119 has 12 MA's), (3, 21140), (7, 21248),

Gene: MidnightRain_31 Start: 21424, Stop: 21636, Start Num: 2
Candidate Starts for MidnightRain_31:
(Start: 2 @21424 has 12 MA's), (3, 21445), (4, 21475), (7, 21553),

Gene: PeggyLeg03_29 Start: 21731, Stop: 21943, Start Num: 2
Candidate Starts for PeggyLeg03_29:
(Start: 2 @21731 has 12 MA's), (3, 21752), (7, 21860),

Gene: Persistence_30 Start: 21462, Stop: 21674, Start Num: 2
Candidate Starts for Persistence_30:
(Start: 2 @21462 has 12 MA's), (4, 21513), (5, 21519), (6, 21528),

Gene: RadFad_31 Start: 21425, Stop: 21637, Start Num: 2
Candidate Starts for RadFad_31:
(Start: 2 @21425 has 12 MA's), (3, 21446), (4, 21476), (7, 21554),

Gene: Raphaella_32 Start: 21380, Stop: 21571, Start Num: 3
Candidate Starts for Raphaella_32:
(Start: 2 @21359 has 12 MA's), (3, 21380), (4, 21410), (7, 21488),

Gene: Richie_31 Start: 21440, Stop: 21652, Start Num: 2
Candidate Starts for Richie_31:
(Start: 2 @21440 has 12 MA's), (3, 21461), (4, 21491), (7, 21569),

Gene: Sakai_31 Start: 21368, Stop: 21580, Start Num: 2
Candidate Starts for Sakai_31:
(Start: 2 @21368 has 12 MA's), (3, 21389), (4, 21419), (7, 21497),

Gene: YoungHarleezy_31 Start: 21459, Stop: 21650, Start Num: 3
Candidate Starts for YoungHarleezy_31:
(Start: 2 @21438 has 12 MA's), (3, 21459), (4, 21489), (7, 21567),