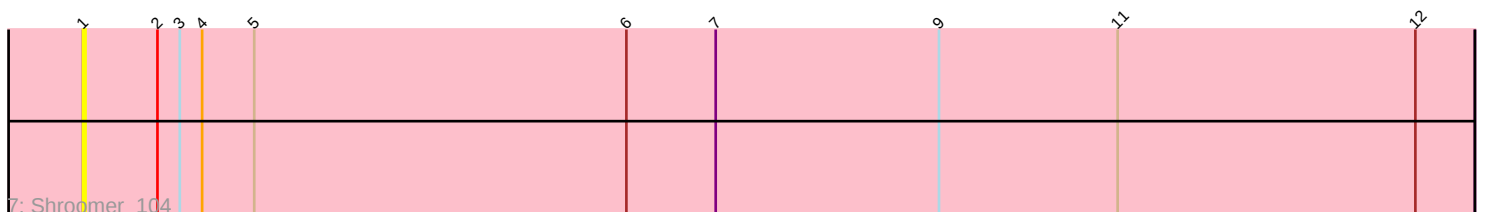
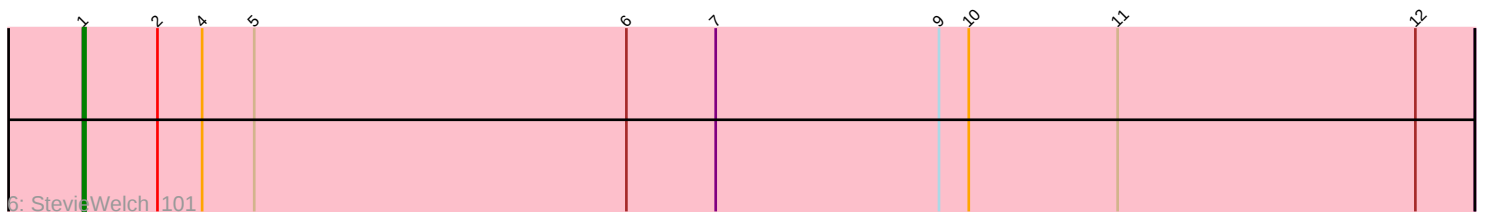
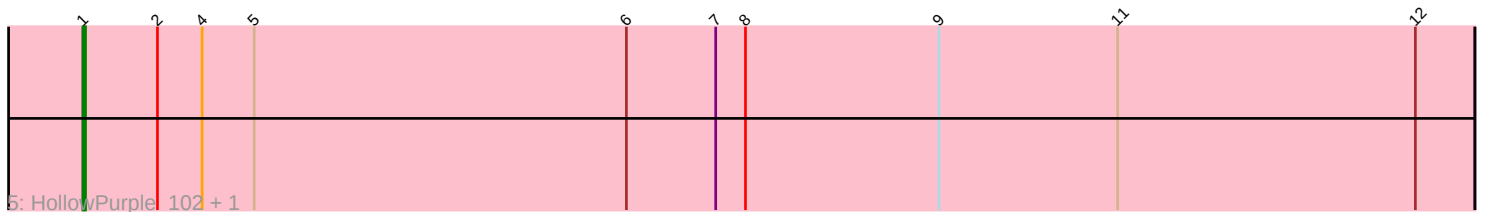
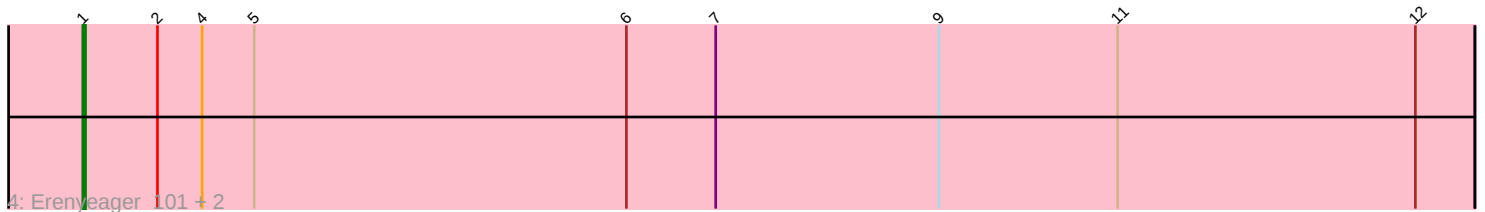
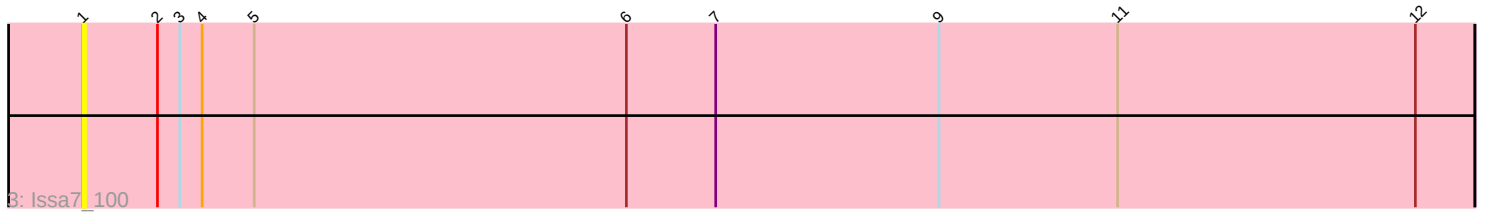
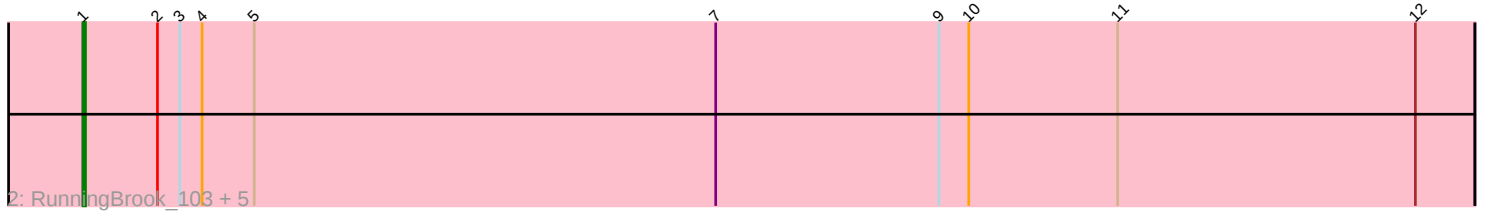
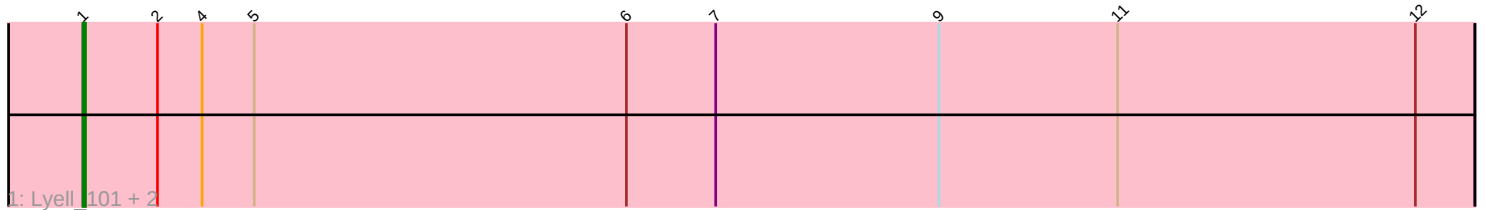


Pham 280956



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 280956 Report

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

Pham number 280956 has 17 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Lyell_101, ASegato_99, Fork_97
- Track 2 : RunningBrook_103, Casablanacas_102, Yuma_100, Deschain_102, DustyDino_105, Musetta_100
- Track 3 : Issa7_100
- Track 4 : Erenyeager_101, Necrophoxinus_103, Welcome_103
- Track 5 : HollowPurple_102, SteakFry_100
- Track 6 : StevieWelch_101
- Track 7 : Shroomer_104

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ASegato_99, Casablanacas_102, Deschain_102, DustyDino_105, Erenyeager_101, Fork_97, HollowPurple_102, Issa7_100, Lyell_101, Musetta_100, Necrophoxinus_103, RunningBrook_103, Shroomer_104, SteakFry_100, StevieWelch_101, Welcome_103, Yuma_100,

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

-

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

-

Summary by start number:

Start 1:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ASegato_99 (ED2), Casablanacas_102 (ED2), Deschain_102 (ED2), DustyDino_105 (ED2), Erenyeager_101 (ED2), Fork_97

(ED2), HollowPurple_102 (ED2), Issa7_100 (ED2), Lyell_101 (ED2), Musetta_100 (ED2), Necrophoxinus_103 (ED2), RunningBrook_103 (ED2), Shroomer_104 (ED2), SteakFry_100 (ED2), StevieWelch_101 (ED2), Welcome_103 (ED2), Yuma_100 (ED2),

Summary by clusters:

There is one cluster represented in this pham: ED2

Info for manual annotations of cluster ED2:

- Start number 1 was manually annotated 12 times for cluster ED2.

Gene Information:

Gene: ASegato_99 Start: 53663, Stop: 53103, Start Num: 1

Candidate Starts for ASegato_99:

(Start: 1 @53663 has 12 MA's), (2, 53633), (4, 53615), (5, 53594), (6, 53444), (7, 53408), (9, 53318), (11, 53246), (12, 53126),

Gene: Casablancas_102 Start: 53582, Stop: 53022, Start Num: 1

Candidate Starts for Casablancas_102:

(Start: 1 @53582 has 12 MA's), (2, 53552), (3, 53543), (4, 53534), (5, 53513), (7, 53327), (9, 53237), (10, 53225), (11, 53165), (12, 53045),

Gene: Deschain_102 Start: 54246, Stop: 53686, Start Num: 1

Candidate Starts for Deschain_102:

(Start: 1 @54246 has 12 MA's), (2, 54216), (3, 54207), (4, 54198), (5, 54177), (7, 53991), (9, 53901), (10, 53889), (11, 53829), (12, 53709),

Gene: DustyDino_105 Start: 54805, Stop: 54245, Start Num: 1

Candidate Starts for DustyDino_105:

(Start: 1 @54805 has 12 MA's), (2, 54775), (3, 54766), (4, 54757), (5, 54736), (7, 54550), (9, 54460), (10, 54448), (11, 54388), (12, 54268),

Gene: Erenyeager_101 Start: 53588, Stop: 53028, Start Num: 1

Candidate Starts for Erenyeager_101:

(Start: 1 @53588 has 12 MA's), (2, 53558), (4, 53540), (5, 53519), (6, 53369), (7, 53333), (9, 53243), (11, 53171), (12, 53051),

Gene: Fork_97 Start: 53541, Stop: 52981, Start Num: 1

Candidate Starts for Fork_97:

(Start: 1 @53541 has 12 MA's), (2, 53511), (4, 53493), (5, 53472), (6, 53322), (7, 53286), (9, 53196), (11, 53124), (12, 53004),

Gene: HollowPurple_102 Start: 54202, Stop: 53642, Start Num: 1

Candidate Starts for HollowPurple_102:

(Start: 1 @54202 has 12 MA's), (2, 54172), (4, 54154), (5, 54133), (6, 53983), (7, 53947), (8, 53935), (9, 53857), (11, 53785), (12, 53665),

Gene: Issa7_100 Start: 53556, Stop: 52996, Start Num: 1

Candidate Starts for Issa7_100:

(Start: 1 @53556 has 12 MA's), (2, 53526), (3, 53517), (4, 53508), (5, 53487), (6, 53337), (7, 53301), (9, 53211), (11, 53139), (12, 53019),

Gene: Lyell_101 Start: 53752, Stop: 53192, Start Num: 1

Candidate Starts for Lyell_101:

(Start: 1 @53752 has 12 MA's), (2, 53722), (4, 53704), (5, 53683), (6, 53533), (7, 53497), (9, 53407), (11, 53335), (12, 53215),

Gene: Musetta_100 Start: 54094, Stop: 53534, Start Num: 1

Candidate Starts for Musetta_100:

(Start: 1 @54094 has 12 MA's), (2, 54064), (3, 54055), (4, 54046), (5, 54025), (7, 53839), (9, 53749), (10, 53737), (11, 53677), (12, 53557),

Gene: Necrophoxinus_103 Start: 54441, Stop: 53881, Start Num: 1

Candidate Starts for Necrophoxinus_103:

(Start: 1 @54441 has 12 MA's), (2, 54411), (4, 54393), (5, 54372), (6, 54222), (7, 54186), (9, 54096), (11, 54024), (12, 53904),

Gene: RunningBrook_103 Start: 54805, Stop: 54245, Start Num: 1

Candidate Starts for RunningBrook_103:

(Start: 1 @54805 has 12 MA's), (2, 54775), (3, 54766), (4, 54757), (5, 54736), (7, 54550), (9, 54460), (10, 54448), (11, 54388), (12, 54268),

Gene: Shroomer_104 Start: 54042, Stop: 53482, Start Num: 1

Candidate Starts for Shroomer_104:

(Start: 1 @54042 has 12 MA's), (2, 54012), (3, 54003), (4, 53994), (5, 53973), (6, 53823), (7, 53787), (9, 53697), (11, 53625), (12, 53505),

Gene: SteakFry_100 Start: 54202, Stop: 53642, Start Num: 1

Candidate Starts for SteakFry_100:

(Start: 1 @54202 has 12 MA's), (2, 54172), (4, 54154), (5, 54133), (6, 53983), (7, 53947), (8, 53935), (9, 53857), (11, 53785), (12, 53665),

Gene: StevieWelch_101 Start: 53725, Stop: 53165, Start Num: 1

Candidate Starts for StevieWelch_101:

(Start: 1 @53725 has 12 MA's), (2, 53695), (4, 53677), (5, 53656), (6, 53506), (7, 53470), (9, 53380), (10, 53368), (11, 53308), (12, 53188),

Gene: Welcome_103 Start: 54356, Stop: 53796, Start Num: 1

Candidate Starts for Welcome_103:

(Start: 1 @54356 has 12 MA's), (2, 54326), (4, 54308), (5, 54287), (6, 54137), (7, 54101), (9, 54011), (11, 53939), (12, 53819),

Gene: Yuma_100 Start: 53766, Stop: 53206, Start Num: 1

Candidate Starts for Yuma_100:

(Start: 1 @53766 has 12 MA's), (2, 53736), (3, 53727), (4, 53718), (5, 53697), (7, 53511), (9, 53421), (10, 53409), (11, 53349), (12, 53229),