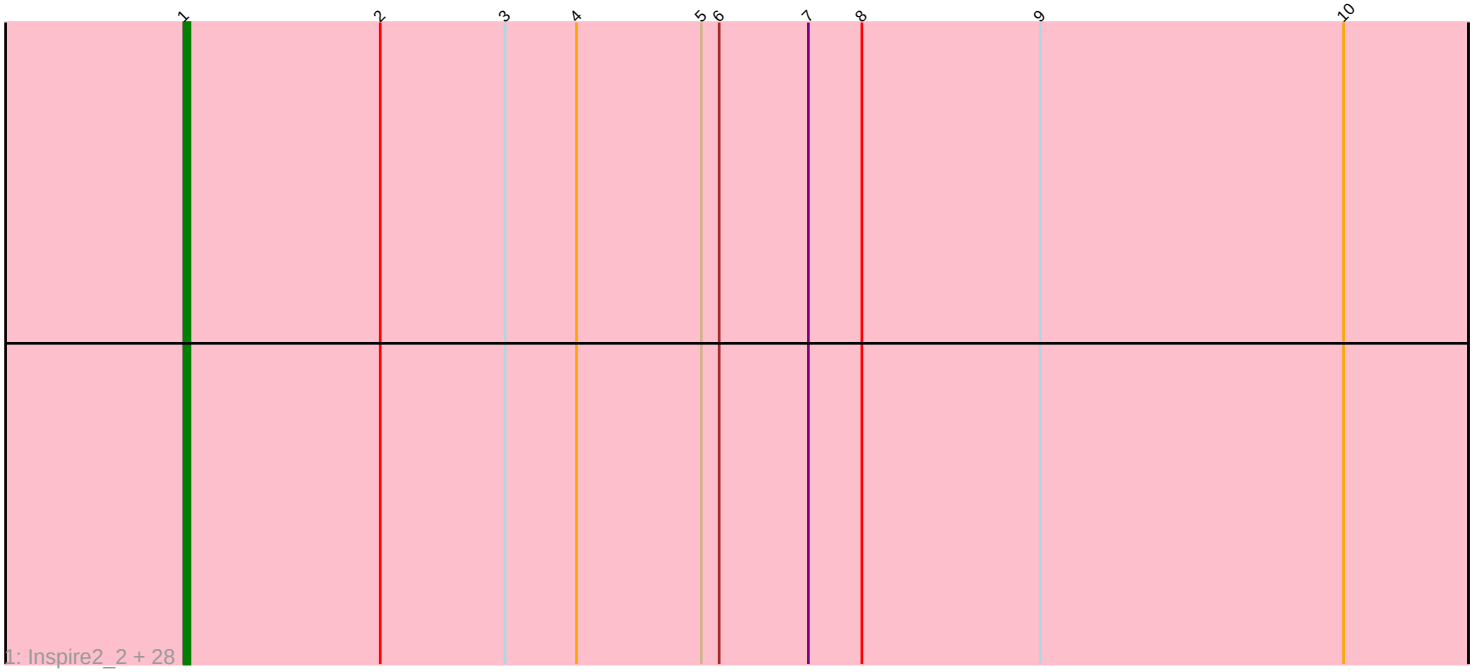
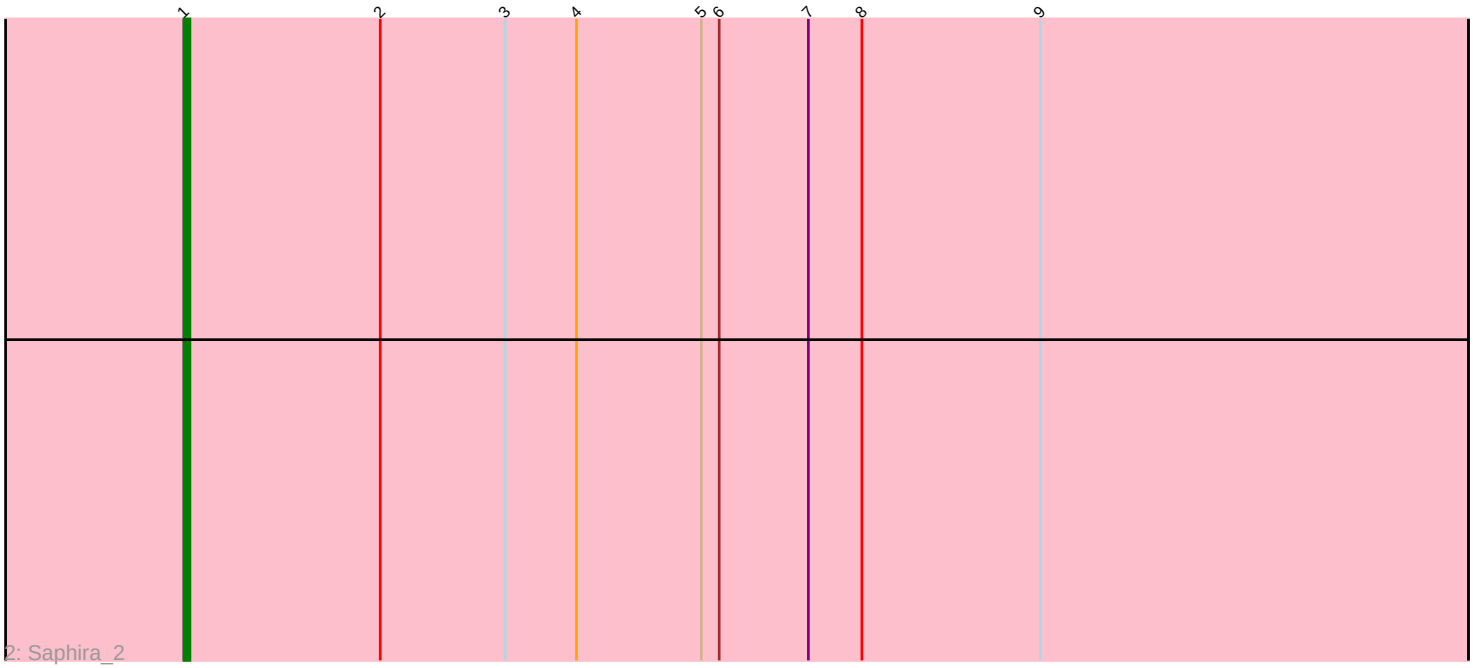
Pham 2691





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 2691 Report

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

Pham number 2691 has 30 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Inspire2_2, Guntur_2, Yank_2, LouisXIV_2, TinoCrisci_2, CGermain_2, Muttlie_2, Laila_2, TymAbreu_2, Lore_2, Blair_2, Hunnie_2, Courtney3_2, Ronnie_2, Maggie_2, Jessica_2, Chestnut_2, Mariposa_2, Arby_2, Azathoth_2, Link_2, Massimo_2, Copper_2, Prospero_2, Dewayne_2, Elkhorn_2, Decurro_2, Sourignavong_2, StewieGriff_2
• Track 2 : Saphira_2

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 29 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arby_2, Azathoth_2, Blair_2, CGermain_2, Chestnut_2, Copper_2, Courtney3_2, Decurro_2, Dewayne_2, Elkhorn_2, Guntur_2, Hunnie_2, Inspire2_2, Jessica_2, Laila_2, Link_2, Lore_2, LouisXIV_2, Maggie_2, Mariposa_2, Massimo_2, Muttlie_2, Prospero_2, Ronnie_2, Saphira_2, Sourignavong_2, StewieGriff_2, TinoCrisci_2, TymAbreu_2, Yank_2,

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 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 29 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arby_2 (AN), Azathoth_2 (AN), Blair_2 (AN), CGermain_2 (AN), Chestnut_2 (AN), Copper_2 (AN), Courtney3_2 (AN), Decurro_2 (AN), Dewayne_2 (AN), Elkhorn_2 (AN), Guntur_2 (AN), Hunnie_2 (AN),

Inspire2_2 (AN), Jessica_2 (AN), Laila_2 (AN), Link_2 (AN), Lore_2 (AN), LouisXIV_2 (AN), Maggie_2 (AN), Mariposa_2 (AN), Massimo_2 (AN), Muttlie_2 (AN), Prospero_2 (AN), Ronnie_2 (AN), Saphira_2 (AN), Sourignavong_2 (AN), StewieGriff_2 (AN), TinoCrisci_2 (AN), TymAbreu_2 (AN), Yank_2 (AN),

Summary by clusters:

There is one cluster represented in this pham: AN

Info for manual annotations of cluster AN:
•Start number 1 was manually annotated 29 times for cluster AN.

Gene Information:

Gene: Arby_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Arby_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Azathoth_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Azathoth_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Blair_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Blair_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: CGermain_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for CGermain_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Chestnut_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Chestnut_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Copper_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Copper_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Courtney3_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Courtney3_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Decurro_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Decurro_2:

(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Dewayne_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Dewayne_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Elkhorn_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Elkhorn_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Guntur_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Guntur_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Hunnie_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Hunnie_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Inspire2_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Inspire2_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Jessica_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Jessica_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Laila_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Laila_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Link_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Link_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Lore_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Lore_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: LouisXIV_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for LouisXIV_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Maggie_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Maggie_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Mariposa_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Mariposa_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Massimo_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Massimo_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Muttlie_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Muttlie_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Prospero_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Prospero_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Ronnie_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Ronnie_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Saphira_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Saphira_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489),

Gene: Sourignavong_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Sourignavong_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: StewieGriff_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for StewieGriff_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: TinoCrisci_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for TinoCrisci_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: TymAbreu_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for TymAbreu_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),

Gene: Yank_2 Start: 345, Stop: 560, Start Num: 1
Candidate Starts for Yank_2:
(Start: 1 @345 has 29 MA's), (2, 378), (3, 399), (4, 411), (5, 432), (6, 435), (7, 450), (8, 459), (9, 489), (10, 540),