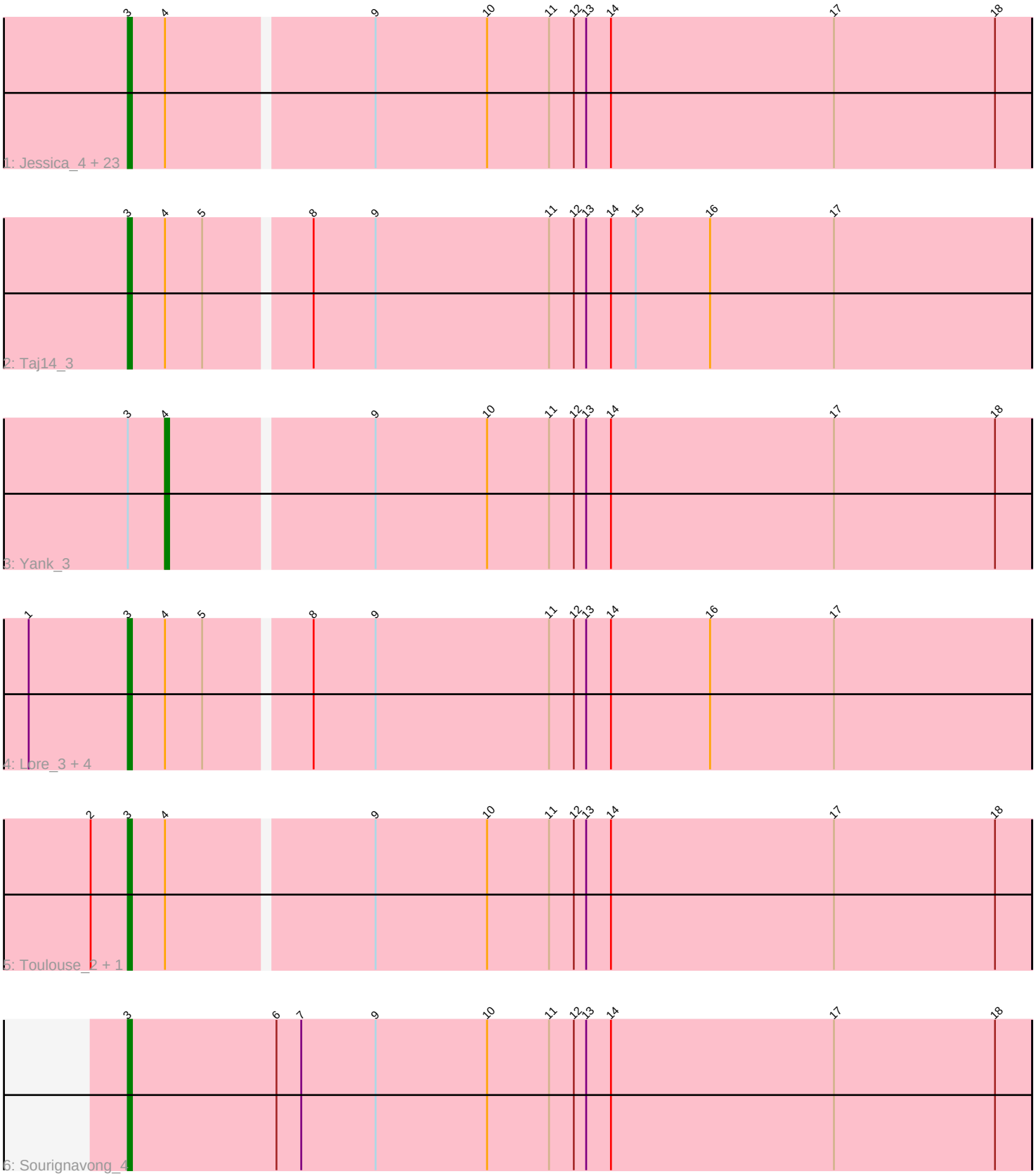
Pham 347868


3
4
9
10
11
12
13
14
17
18
1: Jessica_4 + 23
3
4
5
8
9
11
12
13
14
15
16
17
2: Taj14_3
3
4
9
10
11
12
13
14
17
18
3: Yank_3
1
3
4
5
8
9
11
12
13
14
16
17
4: Lore_3 + 4
2
3
4
9
10
11
12
13
14
17
18
5: Toulouse_2 + 1
3
6
7
9
10
11
12
13
14
17
18
6: Sourignavong_4

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 347868 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347868 has 34 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jessica_4, Guntur_3, Inspire2_3, LouisXIV_3, Sandman_3, TinoCrisci_3, Muttlie_3, Moloch_3, Prospero_3, TymAbreu_3, Hunnie_3, Courtney3_3, Ronnie_3, Maggie_3, Chestnut_3, Stratus_3, Decurro_3, Azathoth_3, Mariposa_3, Link_3, Copper_3, Massimo_3, CGermain_3, Dewayne_3
• Track 2 : Taj14_3
• Track 3 : Yank_3
• Track 4 : Lore_3, Blair_3, Swenson_3, Elkhorn_3, StewieGriff_3
• Track 5 : Toulouse_2, Seume_3
• Track 6 : Sourignavong_4

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 33 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azathoth_3, Blair_3, CGermain_3, Chestnut_3, Copper_3, Courtney3_3, Decurro_3, Dewayne_3, Elkhorn_3, Guntur_3, Hunnie_3, Inspire2_3, Jessica_4, Link_3, Lore_3, LouisXIV_3, Maggie_3, Mariposa_3, Massimo_3, Moloch_3, Muttlie_3, Prospero_3, Ronnie_3, Sandman_3, Seume_3, Sourignavong_4, StewieGriff_3, Stratus_3, Swenson_3, Taj14_3, TinoCrisci_3, Toulouse_2, TymAbreu_3,

Genes that have the "Most Annotated" start but do not call it:
• Yank_3,

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

Summary by start number:

Start 3:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 33 of 34
• Called 97.1% of time when present

• Phage (with cluster) where this start called: Azathoth_3 (AN), Blair_3 (AN), CGermain_3 (AN), Chestnut_3 (AN), Copper_3 (AN), Courtney3_3 (AN), Decurro_3 (AN), Dewayne_3 (AN), Elkhorn_3 (AN), Guntur_3 (AN), Hunnie_3 (AN), Inspire2_3 (AN), Jessica_4 (AN), Link_3 (AN), Lore_3 (AN), LouisXIV_3 (AN), Maggie_3 (AN), Mariposa_3 (AN), Massimo_3 (AN), Moloch_3 (AN), Muttlie_3 (AN), Prospero_3 (AN), Ronnie_3 (AN), Sandman_3 (AN), Seume_3 (AN), Sourignavong_4 (AN), StewieGriff_3 (AN), Stratus_3 (AN), Swenson_3 (AN), Taj14_3 (AN), TinoCrisci_3 (AN), Toulouse_2 (AN), TymAbreu_3 (AN),

Start 4:
• Found in 33 of 34 (97.1%) of genes in pham
• Manual Annotations of this start: 1 of 34
• Called 3.0% of time when present
• Phage (with cluster) where this start called: Yank_3 (AN),

Summary by clusters:

There is one cluster represented in this pham: AN

Info for manual annotations of cluster AN:
•Start number 3 was manually annotated 33 times for cluster AN.
•Start number 4 was manually annotated 1 time for cluster AN.

Gene Information:

Gene: Azathoth_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Azathoth_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Blair_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Blair_3:
(1, 567), (Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (5, 609), (8, 633), (9, 648), (11, 690), (12, 696), (13, 699), (14, 705), (16, 729), (17, 759),

Gene: CGermain_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for CGermain_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Chestnut_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Chestnut_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Copper_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Copper_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Courtney3_3 Start: 591, Stop: 806, Start Num: 3

Candidate Starts for Courtney3_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Decurro_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Decurro_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Dewayne_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Dewayne_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Elkhorn_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Elkhorn_3:
(1, 567), (Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (5, 609), (8, 633), (9, 648), (11, 690), (12, 696), (13, 699), (14, 705), (16, 729), (17, 759),

Gene: Guntur_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Guntur_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Hunnie_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Hunnie_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Inspire2_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Inspire2_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Jessica_4 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Jessica_4:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Link_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Link_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Lore_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Lore_3:
(1, 567), (Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (5, 609), (8, 633), (9, 648), (11, 690), (12, 696), (13, 699), (14, 705), (16, 729), (17, 759),

Gene: LouisXIV_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for LouisXIV_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Maggie_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Maggie_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Mariposa_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Mariposa_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Massimo_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Massimo_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Moloch_3 Start: 665, Stop: 880, Start Num: 3
Candidate Starts for Moloch_3:
(Start: 3 @665 has 33 MA's), (Start: 4 @674 has 1 MA's), (9, 722), (10, 749), (11, 764), (12, 770), (13, 773), (14, 779), (17, 833), (18, 872),

Gene: Muttlie_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Muttlie_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Prospero_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Prospero_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Ronnie_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for Ronnie_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Sandman_3 Start: 665, Stop: 880, Start Num: 3
Candidate Starts for Sandman_3:
(Start: 3 @665 has 33 MA's), (Start: 4 @674 has 1 MA's), (9, 722), (10, 749), (11, 764), (12, 770), (13, 773), (14, 779), (17, 833), (18, 872),

Gene: Seume_3 Start: 387, Stop: 602, Start Num: 3
Candidate Starts for Seume_3:
(2, 378), (Start: 3 @387 has 33 MA's), (Start: 4 @396 has 1 MA's), (9, 444), (10, 471), (11, 486), (12, 492), (13, 495), (14, 501), (17, 555), (18, 594),

Gene: Sourignavong_4 Start: 689, Stop: 907, Start Num: 3
Candidate Starts for Sourignavong_4:
(Start: 3 @689 has 33 MA's), (6, 725), (7, 731), (9, 749), (10, 776), (11, 791), (12, 797), (13, 800), (14, 806), (17, 860), (18, 899),

Gene: StewieGriff_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for StewieGriff_3:

(1, 567), (Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (5, 609), (8, 633), (9, 648), (11, 690), (12, 696), (13, 699), (14, 705), (16, 729), (17, 759),

Gene: Stratus_3 Start: 665, Stop: 880, Start Num: 3
Candidate Starts for Stratus_3:
(Start: 3 @665 has 33 MA's), (Start: 4 @674 has 1 MA's), (9, 722), (10, 749), (11, 764), (12, 770), (13, 773), (14, 779), (17, 833), (18, 872),

Gene: Swenson_3 Start: 714, Stop: 929, Start Num: 3
Candidate Starts for Swenson_3:
(1, 690), (Start: 3 @714 has 33 MA's), (Start: 4 @723 has 1 MA's), (5, 732), (8, 756), (9, 771), (11, 813), (12, 819), (13, 822), (14, 828), (16, 852), (17, 882),

Gene: Taj14_3 Start: 569, Stop: 784, Start Num: 3
Candidate Starts for Taj14_3:
(Start: 3 @569 has 33 MA's), (Start: 4 @578 has 1 MA's), (5, 587), (8, 611), (9, 626), (11, 668), (12, 674), (13, 677), (14, 683), (15, 689), (16, 707), (17, 737),

Gene: TinoCrisci_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for TinoCrisci_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Toulouse_2 Start: 387, Stop: 602, Start Num: 3
Candidate Starts for Toulouse_2:
(2, 378), (Start: 3 @387 has 33 MA's), (Start: 4 @396 has 1 MA's), (9, 444), (10, 471), (11, 486), (12, 492), (13, 495), (14, 501), (17, 555), (18, 594),

Gene: TymAbreu_3 Start: 591, Stop: 806, Start Num: 3
Candidate Starts for TymAbreu_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),

Gene: Yank_3 Start: 600, Stop: 806, Start Num: 4
Candidate Starts for Yank_3:
(Start: 3 @591 has 33 MA's), (Start: 4 @600 has 1 MA's), (9, 648), (10, 675), (11, 690), (12, 696), (13, 699), (14, 705), (17, 759), (18, 798),