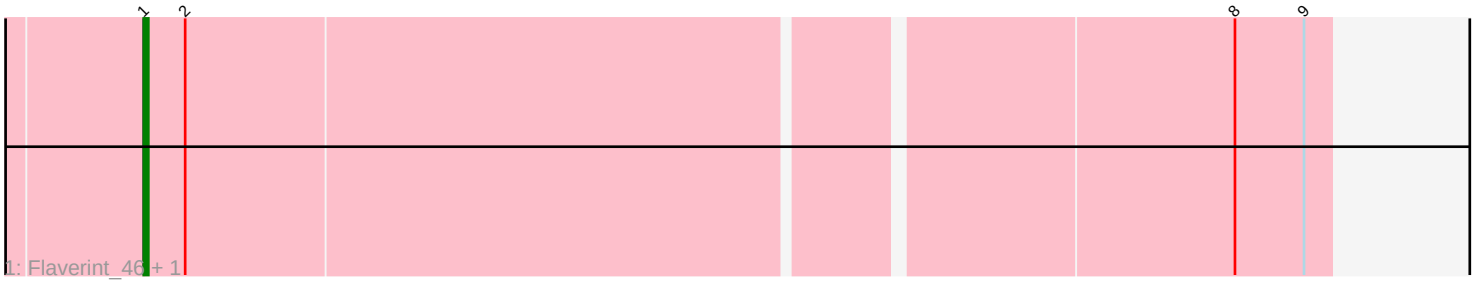
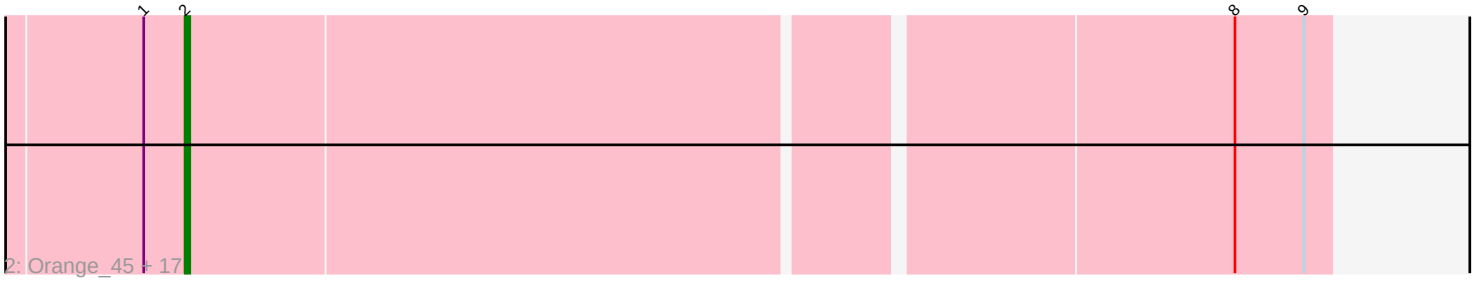
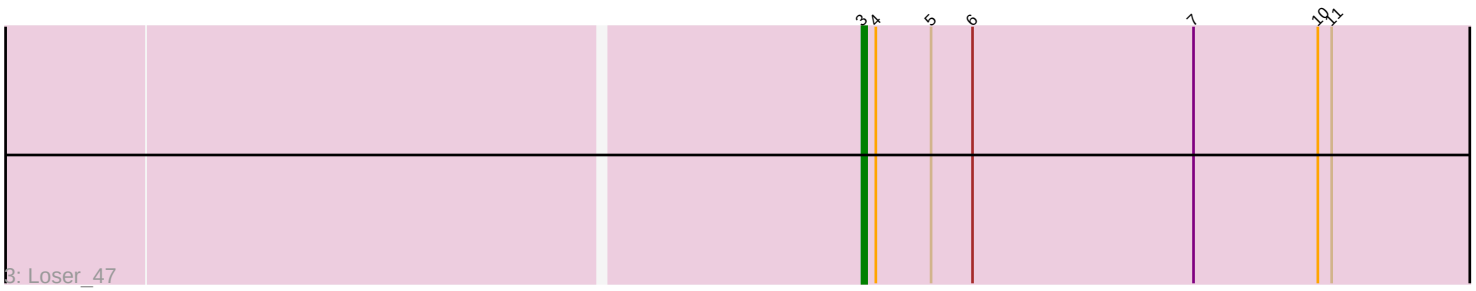
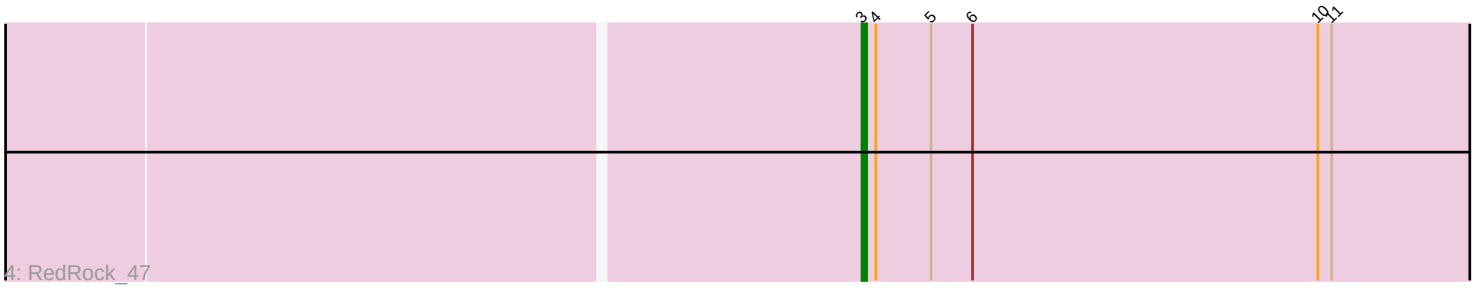
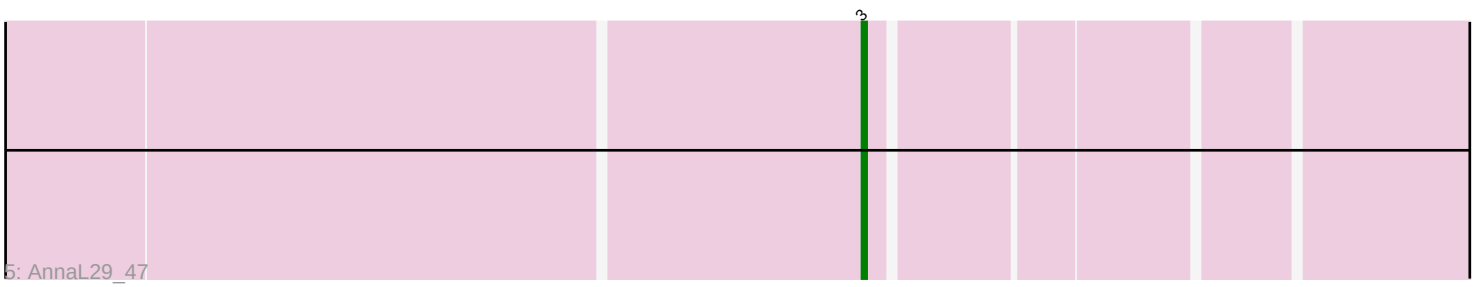
Pham 311992


1
2
8
9
1: Flaverint_46 + 1


1
2
8
9
2: Orange_45 + 17


3
4
5
6
7
10
11
3: Loser_47


3
4
5
6
10
11
4: RedRock_47


3
5: AnnaL29_47

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 311992 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311992 has 23 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Flaverint_46, Sham4_45
• Track 2 : Orange_45, Bachome_47, Bowtie_46, MaCh_46, Jabith_46, Hutc2_45, Insomnia_46, Mulciber_45, Snape_45, Fibonacci_45, Munch_46, Wolpertinger_44, Gilberta_46, Petersenfast_44, Aneem_46, Bud_45, Joselito_46, Lucivia_46
• Track 3 : Loser_47
• Track 4 : RedRock_47
• Track 5 : AnnaL29_47

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 16 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aneem_46, Bachome_47, Bowtie_46, Bud_45, Fibonacci_45, Gilberta_46, Hutc2_45, Insomnia_46, Jabith_46, Joselito_46, Lucivia_46, MaCh_46, Mulciber_45, Munch_46, Orange_45, Petersenfast_44, Snape_45, Wolpertinger_44,

Genes that have the "Most Annotated" start but do not call it:
• Flaverint_46, Sham4_45,

Genes that do not have the "Most Annotated" start:
• AnnaL29_47, Loser_47, RedRock_47,

Summary by start number:

Start 1:
• Found in 20 of 23 (87.0%) of genes in pham
• Manual Annotations of this start: 2 of 21
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Flaverint_46 (A11), Sham4_45 (A11),

Start 2:
• Found in 20 of 23 (87.0%) of genes in pham

• Manual Annotations of this start: 16 of 21
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Aneem_46 (A11), Bachome_47 (A11), Bowtie_46 (A11), Bud_45 (A11), Fibonacci_45 (A11), Gilberta_46 (A11), Hutc2_45 (A11), Insomnia_46 (A11), Jabith_46 (A11), Joselito_46 (A11), Lucivia_46 (A11), MaCh_46 (A11), Mulciber_45 (A11), Munch_46 (A11), Orange_45 (A11), Petersenfast_44 (A11), Snape_45 (A11), Wolpertinger_44 (A11),

Start 3:
• Found in 3 of 23 (13.0%) of genes in pham
• Manual Annotations of this start: 3 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnnaL29_47 (A2), Loser_47 (A2), RedRock_47 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A11,

Info for manual annotations of cluster A11:
•Start number 1 was manually annotated 2 times for cluster A11.
•Start number 2 was manually annotated 16 times for cluster A11.

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 3 times for cluster A2.

Gene Information:

Gene: Aneem_46 Start: 31023, Stop: 30784, Start Num: 2
Candidate Starts for Aneem_46:
(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 16 MA's), (8, 30804), (9, 30789),

Gene: AnnaL29_47 Start: 32518, Stop: 32324, Start Num: 3
Candidate Starts for AnnaL29_47:
(Start: 3 @32518 has 3 MA's),

Gene: Bachome_47 Start: 31011, Stop: 30772, Start Num: 2
Candidate Starts for Bachome_47:
(Start: 1 @31020 has 2 MA's), (Start: 2 @31011 has 16 MA's), (8, 30792), (9, 30777),

Gene: Bowtie_46 Start: 31030, Stop: 30791, Start Num: 2
Candidate Starts for Bowtie_46:
(Start: 1 @31039 has 2 MA's), (Start: 2 @31030 has 16 MA's), (8, 30811), (9, 30796),

Gene: Bud_45 Start: 30585, Stop: 30346, Start Num: 2
Candidate Starts for Bud_45:
(Start: 1 @30594 has 2 MA's), (Start: 2 @30585 has 16 MA's), (8, 30366), (9, 30351),

Gene: Fibonacci_45 Start: 30577, Stop: 30338, Start Num: 2
Candidate Starts for Fibonacci_45:
(Start: 1 @30586 has 2 MA's), (Start: 2 @30577 has 16 MA's), (8, 30358), (9, 30343),

Gene: Flaverint_46 Start: 31033, Stop: 30785, Start Num: 1
Candidate Starts for Flaverint_46:
(Start: 1 @31033 has 2 MA's), (Start: 2 @31024 has 16 MA's), (8, 30805), (9, 30790),

Gene: Gilberta_46 Start: 31014, Stop: 30775, Start Num: 2
Candidate Starts for Gilberta_46:
(Start: 1 @31023 has 2 MA's), (Start: 2 @31014 has 16 MA's), (8, 30795), (9, 30780),

Gene: Hutc2_45 Start: 30577, Stop: 30338, Start Num: 2
Candidate Starts for Hutc2_45:
(Start: 1 @30586 has 2 MA's), (Start: 2 @30577 has 16 MA's), (8, 30358), (9, 30343),

Gene: Insomnia_46 Start: 31082, Stop: 30843, Start Num: 2
Candidate Starts for Insomnia_46:
(Start: 1 @31091 has 2 MA's), (Start: 2 @31082 has 16 MA's), (8, 30863), (9, 30848),

Gene: Jabith_46 Start: 31083, Stop: 30844, Start Num: 2
Candidate Starts for Jabith_46:
(Start: 1 @31092 has 2 MA's), (Start: 2 @31083 has 16 MA's), (8, 30864), (9, 30849),

Gene: Joselito_46 Start: 31023, Stop: 30784, Start Num: 2
Candidate Starts for Joselito_46:
(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 16 MA's), (8, 30804), (9, 30789),

Gene: Loser_47 Start: 32467, Stop: 32264, Start Num: 3
Candidate Starts for Loser_47:
(Start: 3 @32467 has 3 MA's), (4, 32464), (5, 32452), (6, 32443), (7, 32395), (10, 32368), (11, 32365),

Gene: Lucivia_46 Start: 31072, Stop: 30833, Start Num: 2
Candidate Starts for Lucivia_46:
(Start: 1 @31081 has 2 MA's), (Start: 2 @31072 has 16 MA's), (8, 30853), (9, 30838),

Gene: MaCh_46 Start: 31010, Stop: 30771, Start Num: 2
Candidate Starts for MaCh_46:
(Start: 1 @31019 has 2 MA's), (Start: 2 @31010 has 16 MA's), (8, 30791), (9, 30776),

Gene: Mulciber_45 Start: 30574, Stop: 30335, Start Num: 2
Candidate Starts for Mulciber_45:
(Start: 1 @30583 has 2 MA's), (Start: 2 @30574 has 16 MA's), (8, 30355), (9, 30340),

Gene: Munch_46 Start: 31023, Stop: 30784, Start Num: 2
Candidate Starts for Munch_46:
(Start: 1 @31032 has 2 MA's), (Start: 2 @31023 has 16 MA's), (8, 30804), (9, 30789),

Gene: Orange_45 Start: 30572, Stop: 30333, Start Num: 2
Candidate Starts for Orange_45:
(Start: 1 @30581 has 2 MA's), (Start: 2 @30572 has 16 MA's), (8, 30353), (9, 30338),

Gene: Petersenfast_44 Start: 30579, Stop: 30340, Start Num: 2
Candidate Starts for Petersenfast_44:
(Start: 1 @30588 has 2 MA's), (Start: 2 @30579 has 16 MA's), (8, 30360), (9, 30345),

Gene: RedRock_47 Start: 32680, Stop: 32477, Start Num: 3
Candidate Starts for RedRock_47:
(Start: 3 @32680 has 3 MA's), (4, 32677), (5, 32665), (6, 32656), (10, 32581), (11, 32578),

Gene: Sham4_45 Start: 30587, Stop: 30339, Start Num: 1
Candidate Starts for Sham4_45:
(Start: 1 @30587 has 2 MA's), (Start: 2 @30578 has 16 MA's), (8, 30359), (9, 30344),

Gene: Snape_45 Start: 30576, Stop: 30337, Start Num: 2
Candidate Starts for Snape_45:
(Start: 1 @30585 has 2 MA's), (Start: 2 @30576 has 16 MA's), (8, 30357), (9, 30342),

Gene: Wolpertinger_44 Start: 30579, Stop: 30340, Start Num: 2
Candidate Starts for Wolpertinger_44:
(Start: 1 @30588 has 2 MA's), (Start: 2 @30579 has 16 MA's), (8, 30360), (9, 30345),