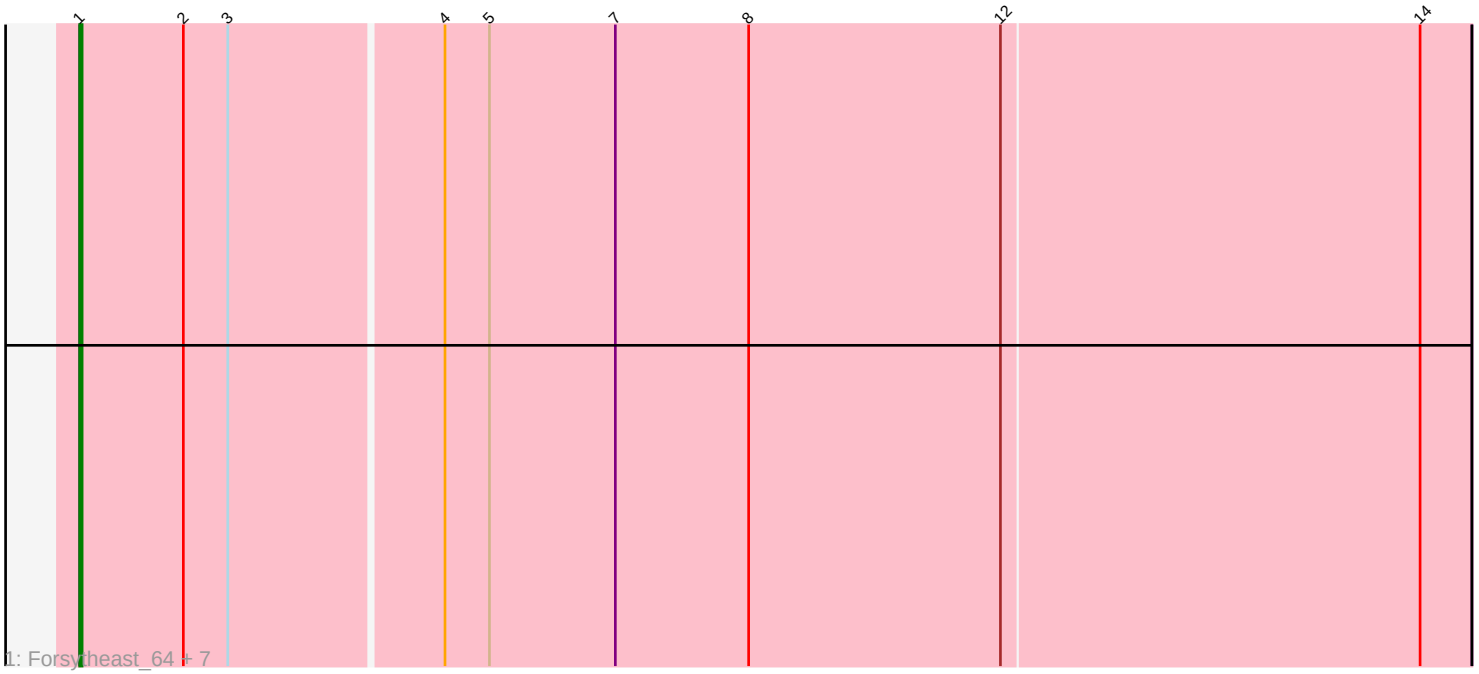
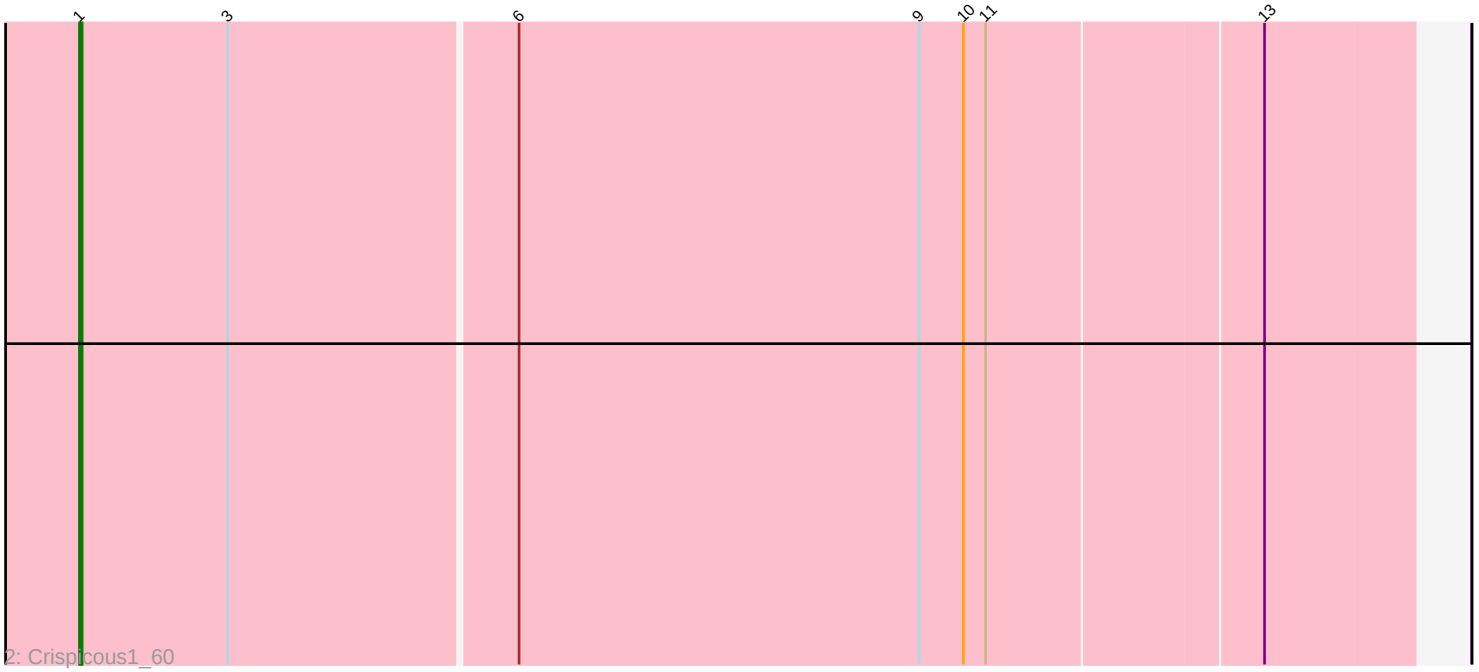
Pham 216818


1
2
3
4
5
7
8
12
14
1: Forsytheast_64 + 7


1
3
6
9
10
11
13
2: Crispicous1_60

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 216818 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216818 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Forsytheast_64, GageAP_64, Moose_64, NEHalo_60, Bruns_64, SwissCheese_66, SpikeBT_61, AFIS_59
• Track 2 : Crispicous1_60

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AFIS_59, Bruns_64, Crispicous1_60, Forsytheast_64, GageAP_64, Moose_64, NEHalo_60, SpikeBT_61, SwissCheese_66,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AFIS_59 (A1), Bruns_64 (A1), Crispicous1_60 (A1), Forsytheast_64 (A1), GageAP_64 (A1), Moose_64 (A1), NEHalo_60 (A1), SpikeBT_61 (A1), SwissCheese_66 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

•Start number 1 was manually annotated 9 times for cluster A1.

Gene Information:

Gene: AFIS_59 Start: 40536, Stop: 39979, Start Num: 1
Candidate Starts for AFIS_59:
(Start: 1 @40536 has 9 MA's), (2, 40494), (3, 40476), (4, 40392), (5, 40374), (7, 40323), (8, 40269), (12, 40167), (14, 39999),

Gene: Bruns_64 Start: 41012, Stop: 40455, Start Num: 1
Candidate Starts for Bruns_64:
(Start: 1 @41012 has 9 MA's), (2, 40970), (3, 40952), (4, 40868), (5, 40850), (7, 40799), (8, 40745), (12, 40643), (14, 40475),

Gene: Crispicous1_60 Start: 40522, Stop: 39992, Start Num: 1
Candidate Starts for Crispicous1_60:
(Start: 1 @40522 has 9 MA's), (3, 40462), (6, 40348), (9, 40186), (10, 40168), (11, 40159), (13, 40051),

Gene: Forsytheast_64 Start: 41180, Stop: 40623, Start Num: 1
Candidate Starts for Forsytheast_64:
(Start: 1 @41180 has 9 MA's), (2, 41138), (3, 41120), (4, 41036), (5, 41018), (7, 40967), (8, 40913), (12, 40811), (14, 40643),

Gene: GageAP_64 Start: 42203, Stop: 41646, Start Num: 1
Candidate Starts for GageAP_64:
(Start: 1 @42203 has 9 MA's), (2, 42161), (3, 42143), (4, 42059), (5, 42041), (7, 41990), (8, 41936), (12, 41834), (14, 41666),

Gene: Moose_64 Start: 41180, Stop: 40623, Start Num: 1
Candidate Starts for Moose_64:
(Start: 1 @41180 has 9 MA's), (2, 41138), (3, 41120), (4, 41036), (5, 41018), (7, 40967), (8, 40913), (12, 40811), (14, 40643),

Gene: NEHalo_60 Start: 41604, Stop: 41047, Start Num: 1
Candidate Starts for NEHalo_60:
(Start: 1 @41604 has 9 MA's), (2, 41562), (3, 41544), (4, 41460), (5, 41442), (7, 41391), (8, 41337), (12, 41235), (14, 41067),

Gene: SpikeBT_61 Start: 41461, Stop: 40904, Start Num: 1
Candidate Starts for SpikeBT_61:
(Start: 1 @41461 has 9 MA's), (2, 41419), (3, 41401), (4, 41317), (5, 41299), (7, 41248), (8, 41194), (12, 41092), (14, 40924),

Gene: SwissCheese_66 Start: 41680, Stop: 41123, Start Num: 1
Candidate Starts for SwissCheese_66:
(Start: 1 @41680 has 9 MA's), (2, 41638), (3, 41620), (4, 41536), (5, 41518), (7, 41467), (8, 41413), (12, 41311), (14, 41143),