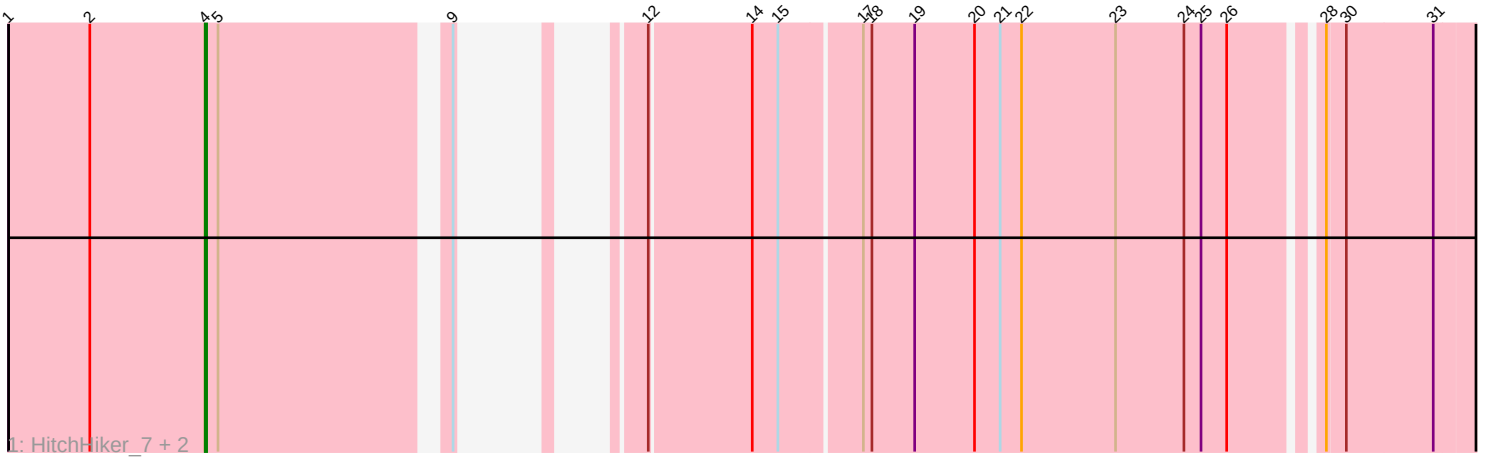
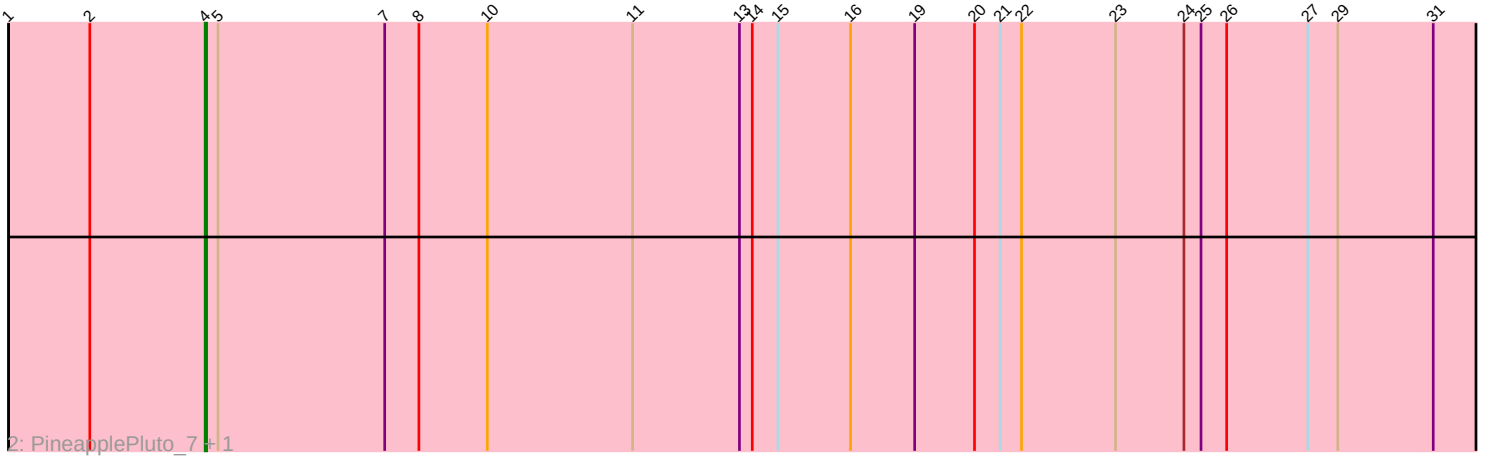
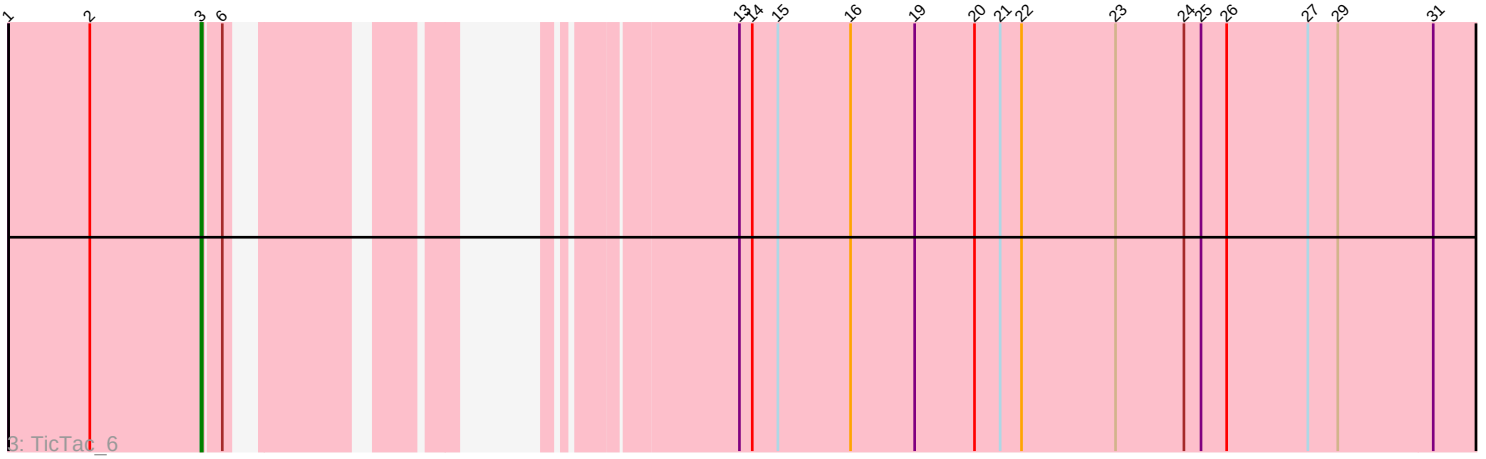
Pham 348390


1
2
4
5
9
12
14
15
17
18
19
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21
22
23
24
25
26
28
30
31
1: HitchHiker_7 + 2


1
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8
10
11
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14
15
16
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20
21
22
23
24
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26
27
29
31
2: PineapplePluto_7 + 1


1
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24
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31
3: TicTac_6

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 348390 Report

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

Pham number 348390 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : HitchHiker_7, Biozilla_6, Oatly_6
• Track 2 : PineapplePluto_7, CrunchyBoi_7
• Track 3 : TicTac_6

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Biozilla_6, CrunchyBoi_7, HitchHiker_7, Oatly_6, PineapplePluto_7,

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

Genes that do not have the "Most Annotated" start:
• TicTac_6,

Summary by start number:

Start 3:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TicTac_6 (EK1),

Start 4:
• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Biozilla_6 (EK1), CrunchyBoi_7 (EK1), HitchHiker_7 (EK1), Oatly_6 (EK1), PineapplePluto_7 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:
•Start number 3 was manually annotated 1 time for cluster EK1.
•Start number 4 was manually annotated 5 times for cluster EK1.

Gene Information:

Gene: Biozilla_6 Start: 5151, Stop: 4411, Start Num: 4
Candidate Starts for Biozilla_6:
(1, 5289), (2, 5232), (Start: 4 @5151 has 5 MA's), (5, 5142), (9, 4995), (12, 4965), (14, 4896), (15, 4878), (17, 4824), (18, 4818), (19, 4788), (20, 4746), (21, 4728), (22, 4713), (23, 4647), (24, 4599), (25, 4587), (26, 4569), (28, 4515), (30, 4503), (31, 4443),

Gene: CrunchyBoi_7 Start: 5286, Stop: 4387, Start Num: 4
Candidate Starts for CrunchyBoi_7:
(1, 5424), (2, 5367), (Start: 4 @5286 has 5 MA's), (5, 5277), (7, 5160), (8, 5136), (10, 5088), (11, 4986), (13, 4911), (14, 4902), (15, 4884), (16, 4833), (19, 4788), (20, 4746), (21, 4728), (22, 4713), (23, 4647), (24, 4599), (25, 4587), (26, 4569), (27, 4512), (29, 4491), (31, 4425),

Gene: HitchHiker_7 Start: 5151, Stop: 4411, Start Num: 4
Candidate Starts for HitchHiker_7:
(1, 5289), (2, 5232), (Start: 4 @5151 has 5 MA's), (5, 5142), (9, 4995), (12, 4965), (14, 4896), (15, 4878), (17, 4824), (18, 4818), (19, 4788), (20, 4746), (21, 4728), (22, 4713), (23, 4647), (24, 4599), (25, 4587), (26, 4569), (28, 4515), (30, 4503), (31, 4443),

Gene: Oatly_6 Start: 5151, Stop: 4411, Start Num: 4
Candidate Starts for Oatly_6:
(1, 5289), (2, 5232), (Start: 4 @5151 has 5 MA's), (5, 5142), (9, 4995), (12, 4965), (14, 4896), (15, 4878), (17, 4824), (18, 4818), (19, 4788), (20, 4746), (21, 4728), (22, 4713), (23, 4647), (24, 4599), (25, 4587), (26, 4569), (28, 4515), (30, 4503), (31, 4443),

Gene: PineapplePluto_7 Start: 5295, Stop: 4399, Start Num: 4
Candidate Starts for PineapplePluto_7:
(1, 5433), (2, 5376), (Start: 4 @5295 has 5 MA's), (5, 5286), (7, 5169), (8, 5145), (10, 5097), (11, 4995), (13, 4920), (14, 4911), (15, 4893), (16, 4842), (19, 4797), (20, 4755), (21, 4737), (22, 4722), (23, 4656), (24, 4608), (25, 4596), (26, 4578), (27, 4521), (29, 4500), (31, 4434),

Gene: TicTac_6 Start: 5163, Stop: 4387, Start Num: 3
Candidate Starts for TicTac_6:
(1, 5298), (2, 5241), (Start: 3 @5163 has 1 MA's), (6, 5151), (13, 4911), (14, 4902), (15, 4884), (16, 4833), (19, 4788), (20, 4746), (21, 4728), (22, 4713), (23, 4647), (24, 4599), (25, 4587), (26, 4569), (27, 4512), (29, 4491), (31, 4425),