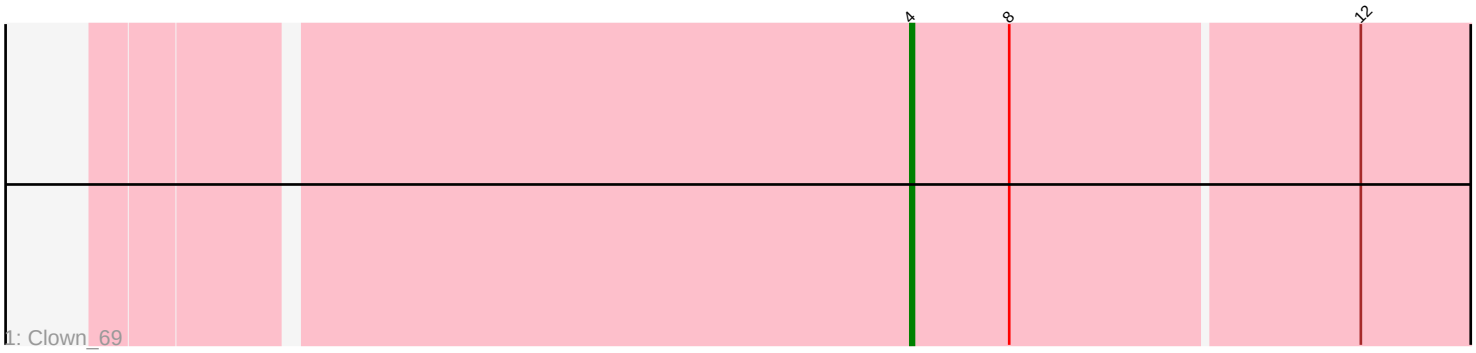
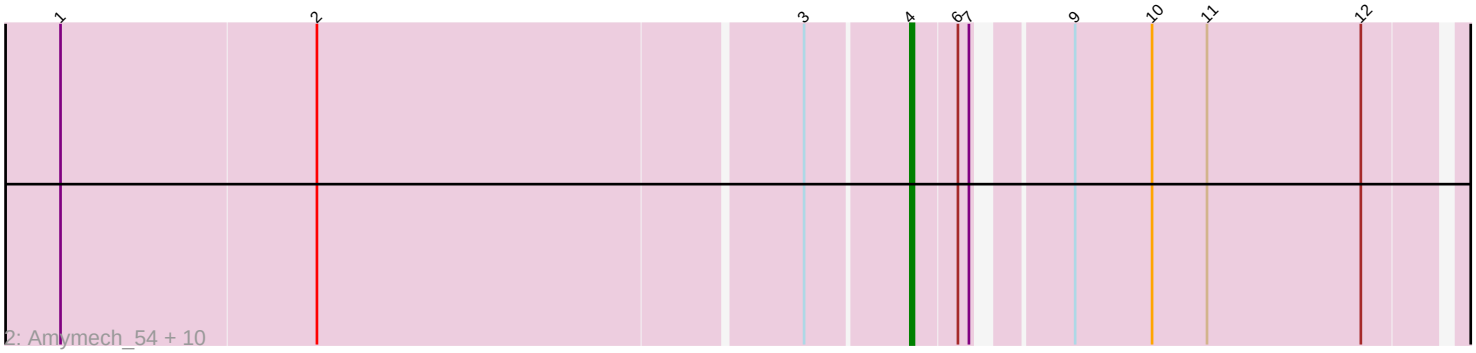
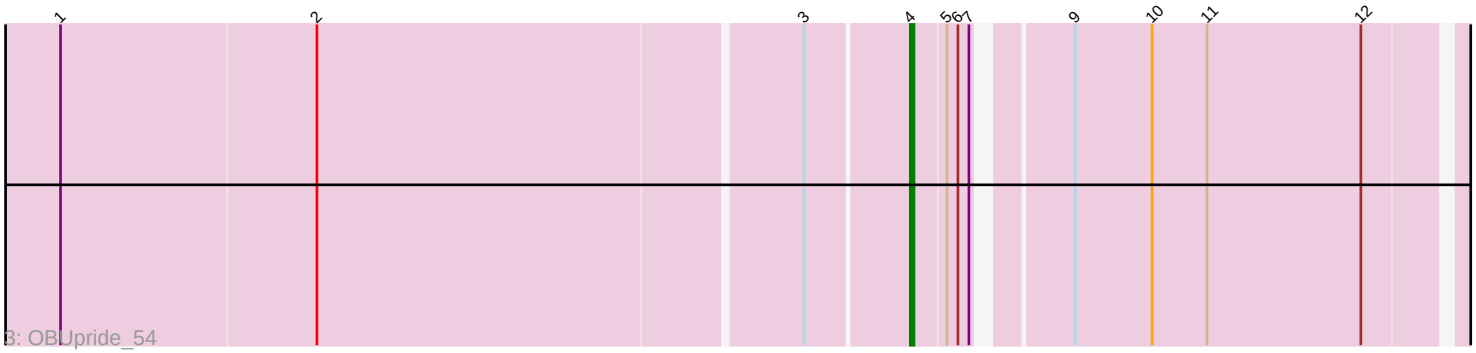
Pham 309527


4
8
12
1: Clown_69


1
2
3
4
6
7
9
10
11
12
2: Amymech_54 + 10


1
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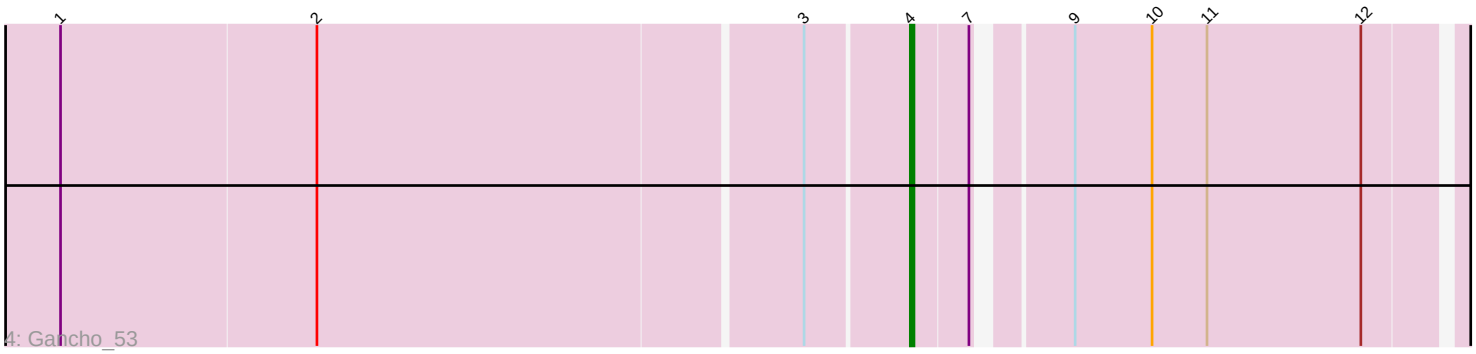
11
12
3: OBUpride_54


1
2
3
4
7
9
10
11
12
4: Gancho_53

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 309527 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309527 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Clown_69
• Track 2 : Amymech_54, Daegal_56, Evanesce_53, HH92_53, BloominB_53, Amochick_54, Webster2_54, Ein37_54, Ubuntu_54, DeepSoil15_54, LilHazelnut_54
• Track 3 : OBUpride_54
• Track 4 : Gancho_53

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_54, Amymech_54, BloominB_53, Clown_69, Daegal_56, DeepSoil15_54, Ein37_54, Evanesce_53, Gancho_53, HH92_53, LilHazelnut_54, OBUpride_54, Ubuntu_54, Webster2_54,

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 4:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amochick_54 (Q), Amymech_54 (Q), BloominB_53 (Q), Clown_69 (DC2), Daegal_56 (Q), DeepSoil15_54 (Q), Ein37_54 (Q), Evanesce_53 (Q), Gancho_53 (Q), HH92_53 (Q), LilHazelnut_54 (Q), OBUpride_54 (Q), Ubuntu_54 (Q), Webster2_54 (Q),

Summary by clusters:

There are 2 clusters represented in this pham: Q, DC2,

Info for manual annotations of cluster DC2:
•Start number 4 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster Q:
•Start number 4 was manually annotated 13 times for cluster Q.

Gene Information:

Gene: Amochick_54 Start: 38775, Stop: 38927, Start Num: 4
Candidate Starts for Amochick_54:
(1, 38550), (2, 38619), (3, 38748), (Start: 4 @38775 has 14 MA's), (6, 38787), (7, 38790), (9, 38811), (10, 38832), (11, 38847), (12, 38889),

Gene: Amymech_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for Amymech_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: BloominB_53 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for BloominB_53:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: Clown_69 Start: 48162, Stop: 48326, Start Num: 4
Candidate Starts for Clown_69:
(Start: 4 @48162 has 14 MA's), (8, 48189), (12, 48282),

Gene: Daegal_56 Start: 39335, Stop: 39487, Start Num: 4
Candidate Starts for Daegal_56:
(1, 39110), (2, 39179), (3, 39308), (Start: 4 @39335 has 14 MA's), (6, 39347), (7, 39350), (9, 39371), (10, 39392), (11, 39407), (12, 39449),

Gene: DeepSoil15_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for DeepSoil15_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: Ein37_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for Ein37_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: Evanesce_53 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for Evanesce_53:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: Gancho_53 Start: 38474, Stop: 38626, Start Num: 4

Candidate Starts for Gancho_53:
(1, 38249), (2, 38318), (3, 38447), (Start: 4 @38474 has 14 MA's), (7, 38489), (9, 38510), (10, 38531), (11, 38546), (12, 38588),

Gene: HH92_53 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for HH92_53:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: LilHazelnut_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for LilHazelnut_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: OBUpride_54 Start: 38765, Stop: 38917, Start Num: 4
Candidate Starts for OBUpride_54:
(1, 38540), (2, 38609), (3, 38738), (Start: 4 @38765 has 14 MA's), (5, 38774), (6, 38777), (7, 38780), (9, 38801), (10, 38822), (11, 38837), (12, 38879),

Gene: Ubuntu_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for Ubuntu_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),

Gene: Webster2_54 Start: 38751, Stop: 38903, Start Num: 4
Candidate Starts for Webster2_54:
(1, 38526), (2, 38595), (3, 38724), (Start: 4 @38751 has 14 MA's), (6, 38763), (7, 38766), (9, 38787), (10, 38808), (11, 38823), (12, 38865),