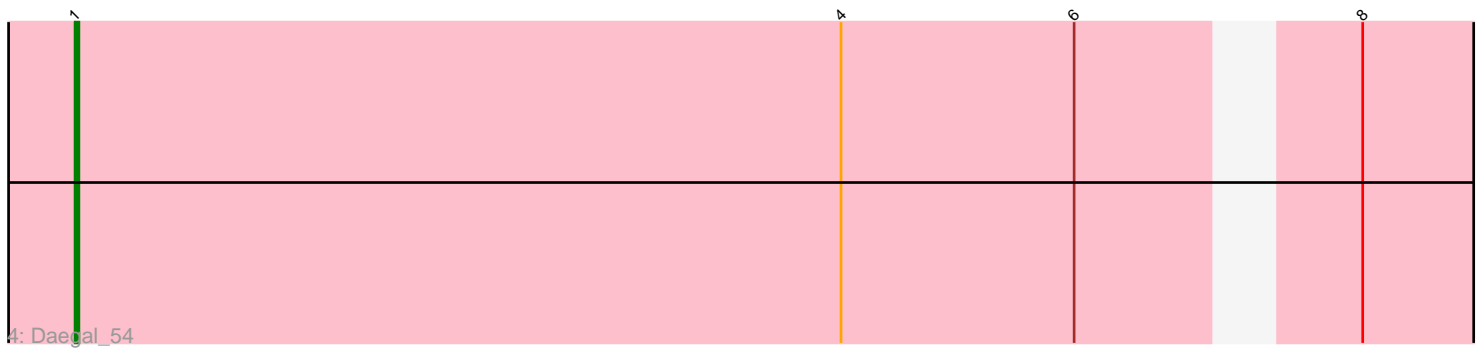
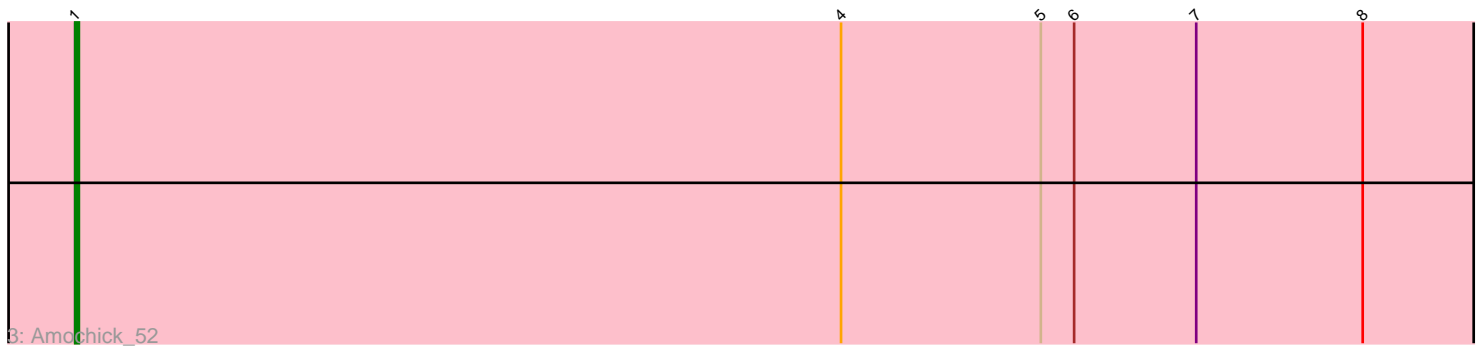
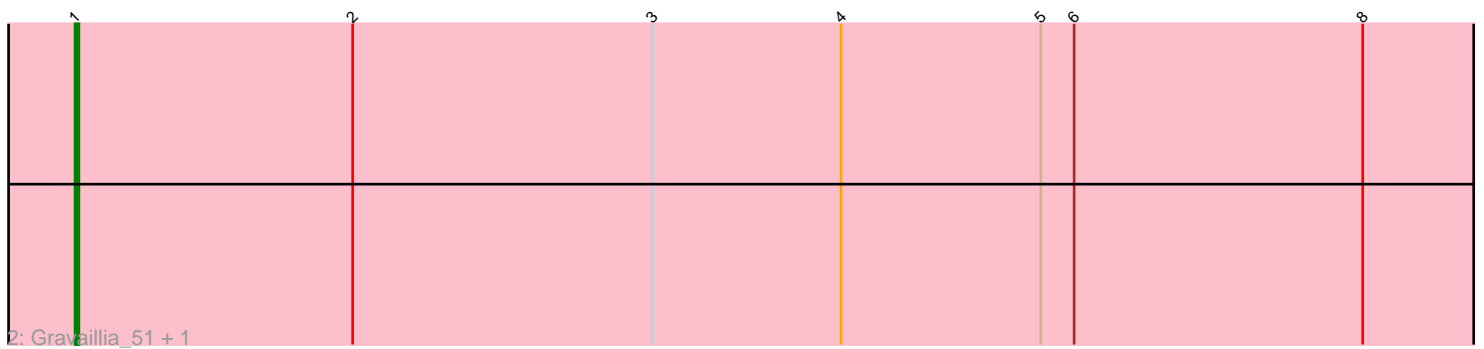
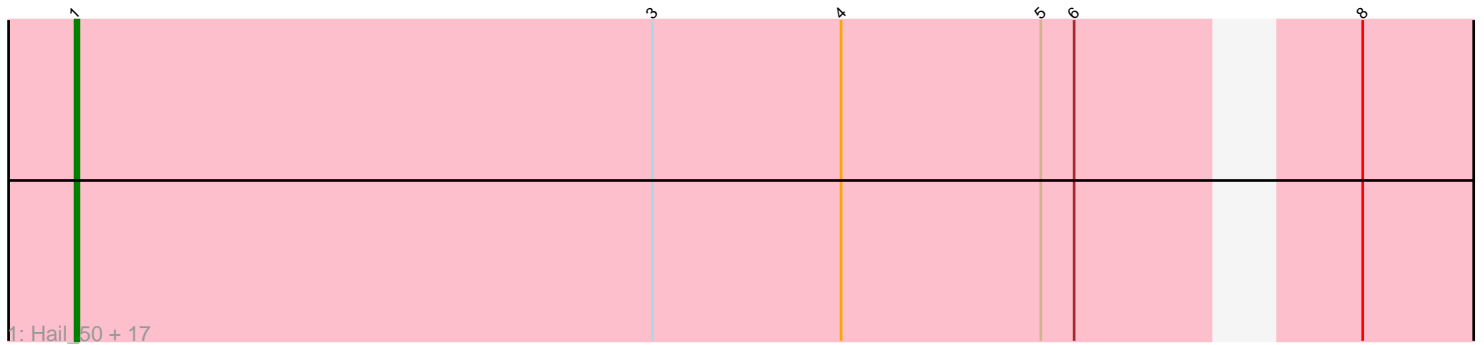


Pham 3747



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 3747 Report

This analysis was run 04/28/24 on database version 559.

Pham number 3747 has 22 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Hail_50, Ubuntu_52, LilHazelNut_52, Hadrien_52, Wishmaker_50, Evanesce_51, Webster2_52, Ein37_52, Amymech_52, Forge_50, Dewey_50, HH92_51, DeepSoil15_52, Gancho_51, Giles_50, Luke_52, Kinbote_52, Luna22_50
- Track 2 : Gravaillia_51, OBUpride_52
- Track 3 : Amochick_52
- Track 4 : Daegal_54

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_52, Amymech_52, Daegal_54, DeepSoil15_52, Dewey_50, Ein37_52, Evanesce_51, Forge_50, Gancho_51, Giles_50, Gravaillia_51, HH92_51, Hadrien_52, Hail_50, Kinbote_52, LilHazelNut_52, Luke_52, Luna22_50, OBUpride_52, Ubuntu_52, Webster2_52, Wishmaker_50,

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 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_52 (Q), Amymech_52 (Q), Daegal_54 (Q), DeepSoil15_52 (Q), Dewey_50 (Q), Ein37_52 (Q), Evanesce_51 (Q), Forge_50 (Q), Gancho_51 (Q), Giles_50 (Q), Gravaillia_51 (Q), HH92_51 (Q), Hadrien_52 (Q), Hail_50 (Q), Kinbote_52 (Q), LilHazelNut_52 (Q), Luke_52 (Q),

Luna22_50 (Q), OBUpride_52 (Q), Ubuntu_52 (Q), Webster2_52 (Q), Wishmaker_50 (Q),

Summary by clusters:

There is one cluster represented in this pham: Q

Info for manual annotations of cluster Q:

•Start number 1 was manually annotated 22 times for cluster Q.

Gene Information:

Gene: Amochick_52 Start: 37460, Stop: 37843, Start Num: 1

Candidate Starts for Amochick_52:

(Start: 1 @37460 has 22 MA's), (4, 37667), (5, 37721), (6, 37730), (7, 37763), (8, 37808),

Gene: Amymech_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Amymech_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Daegal_54 Start: 38038, Stop: 38403, Start Num: 1

Candidate Starts for Daegal_54:

(Start: 1 @38038 has 22 MA's), (4, 38245), (6, 38308), (8, 38368),

Gene: DeepSoil15_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for DeepSoil15_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Dewey_50 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Dewey_50:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Ein37_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Ein37_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Evanesce_51 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Evanesce_51:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Forge_50 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Forge_50:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Gancho_51 Start: 37177, Stop: 37542, Start Num: 1

Candidate Starts for Gancho_51:

(Start: 1 @37177 has 22 MA's), (3, 37333), (4, 37384), (5, 37438), (6, 37447), (8, 37507),

Gene: Giles_50 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Giles_50:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Gravaillia_51 Start: 37450, Stop: 37833, Start Num: 1

Candidate Starts for Gravaillia_51:

(Start: 1 @37450 has 22 MA's), (2, 37525), (3, 37606), (4, 37657), (5, 37711), (6, 37720), (8, 37798),

Gene: HH92_51 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for HH92_51:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Hadrien_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Hadrien_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Hail_50 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Hail_50:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Kinbote_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Kinbote_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: LilHazelNut_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for LilHazelNut_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Luke_52 Start: 37409, Stop: 37774, Start Num: 1

Candidate Starts for Luke_52:

(Start: 1 @37409 has 22 MA's), (3, 37565), (4, 37616), (5, 37670), (6, 37679), (8, 37739),

Gene: Luna22_50 Start: 37438, Stop: 37803, Start Num: 1

Candidate Starts for Luna22_50:

(Start: 1 @37438 has 22 MA's), (3, 37594), (4, 37645), (5, 37699), (6, 37708), (8, 37768),

Gene: OBUpride_52 Start: 37450, Stop: 37833, Start Num: 1

Candidate Starts for OBUpride_52:

(Start: 1 @37450 has 22 MA's), (2, 37525), (3, 37606), (4, 37657), (5, 37711), (6, 37720), (8, 37798),

Gene: Ubuntu_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Ubuntu_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Webster2_52 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Webster2_52:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),

Gene: Wishmaker_50 Start: 37454, Stop: 37819, Start Num: 1

Candidate Starts for Wishmaker_50:

(Start: 1 @37454 has 22 MA's), (3, 37610), (4, 37661), (5, 37715), (6, 37724), (8, 37784),