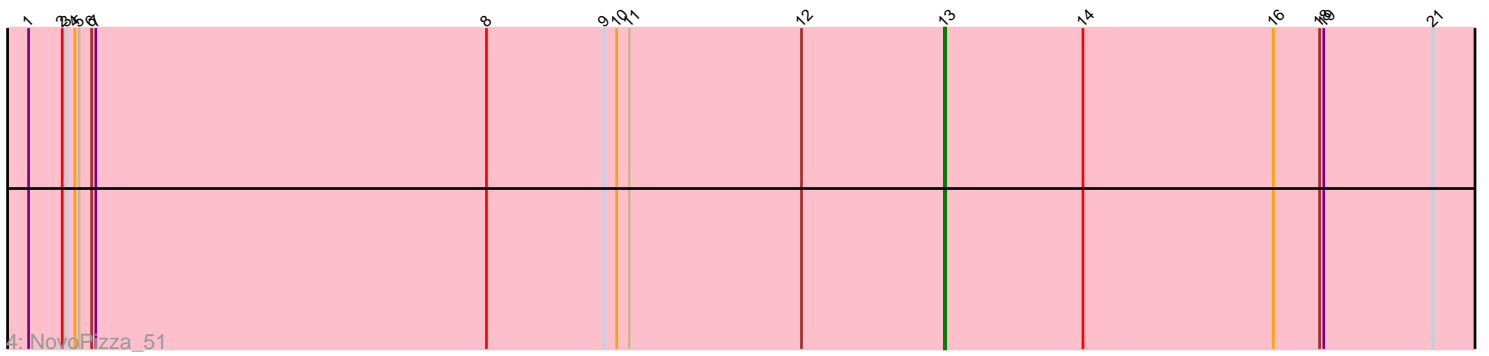
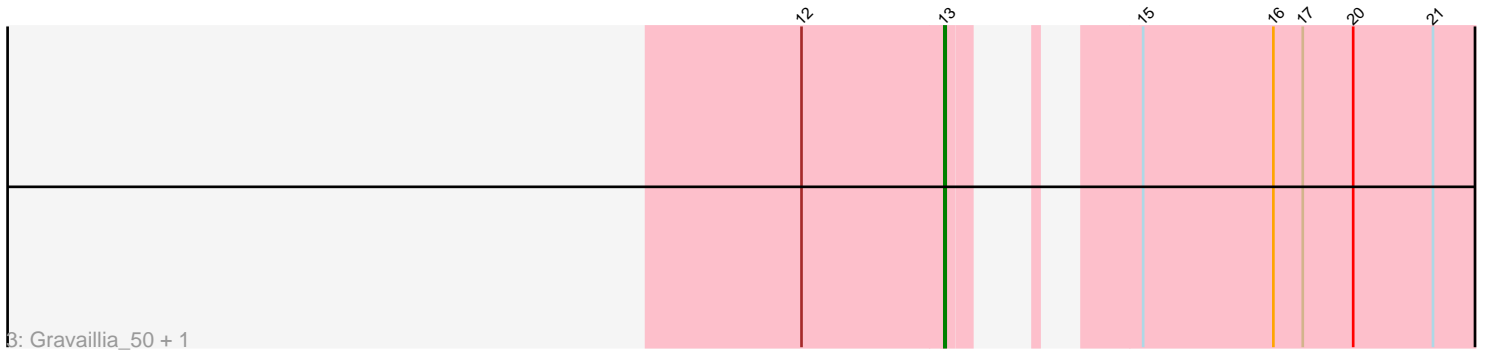
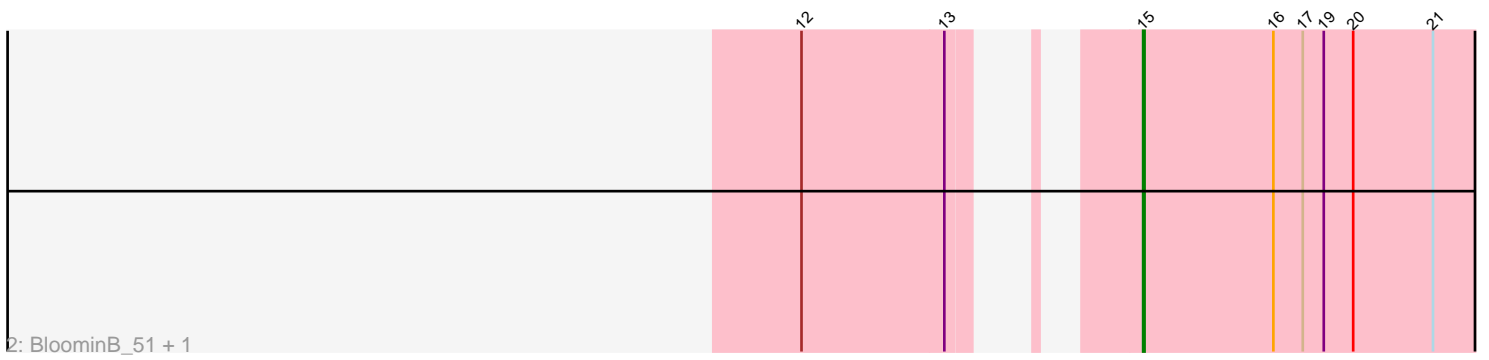
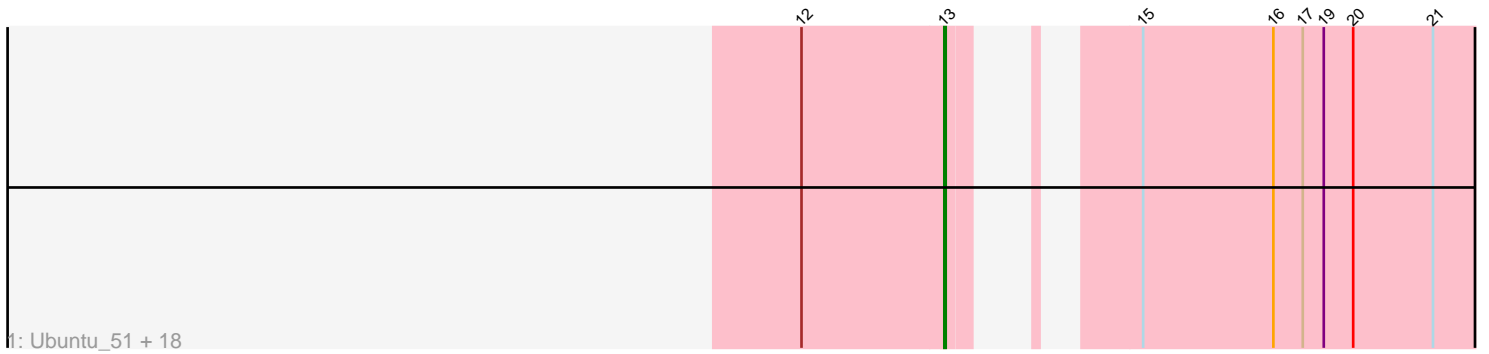


Pham 309171



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 309171 Report

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

Pham number 309171 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ubuntu_51, LilHazelnut_51, Dewey_49, Amymech_51, Forge_49, Hadrien_51, Evanesce_50, Ein37_51, Webster2_51, Hail_49, Luna22_49, DeepSoil15_51, Gancho_50, HH92_50, Amochick_51, Luke_51, Daegal_53, Giles_49, Kinbote_51
- Track 2 : BloominB_51, Wishmaker_49
- Track 3 : Gravaillia_50, OBUpride_51
- Track 4 : NovoPizza_51

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

The start number called the most often in the published annotations is 13, it was called in 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_51, Amymech_51, Daegal_53, DeepSoil15_51, Dewey_49, Ein37_51, Evanesce_50, Forge_49, Gancho_50, Giles_49, Gravaillia_50, HH92_50, Hadrien_51, Hail_49, Kinbote_51, LilHazelnut_51, Luke_51, Luna22_49, NovoPizza_51, OBUpride_51, Ubuntu_51, Webster2_51,

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

- BloominB_51, Wishmaker_49,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 13:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 23
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Amochick_51 (Q), Amymech_51 (Q), Daegal_53 (Q), DeepSoil15_51 (Q), Dewey_49 (Q), Ein37_51 (Q), Evanesce_50 (Q), Forge_49 (Q), Gancho_50 (Q), Giles_49 (Q), Gravaillia_50 (Q), HH92_50 (Q),

Hadrien_51 (Q), Hail_49 (Q), Kinbote_51 (Q), LilHazelnut_51 (Q), Luke_51 (Q), Luna22_49 (Q), NovoPizza_51 (Q), OBUpride_51 (Q), Ubuntu_51 (Q), Webster2_51 (Q),

Start 15:

- Found in 23 of 24 (95.8%) of genes in pham
- Manual Annotations of this start: 1 of 23
- Called 8.7% of time when present
- Phage (with cluster) where this start called: BloominB_51 (Q), Wishmaker_49 (Q),

Summary by clusters:

There is one cluster represented in this pham: Q

Info for manual annotations of cluster Q:

- Start number 13 was manually annotated 22 times for cluster Q.
- Start number 15 was manually annotated 1 time for cluster Q.

Gene Information:

Gene: Amochick_51 Start: 37149, Stop: 37463, Start Num: 13

Candidate Starts for Amochick_51:

(12, 37050), (Start: 13 @37149 has 22 MA's), (Start: 15 @37215 has 1 MA's), (16, 37308), (17, 37329), (19, 37344), (20, 37365), (21, 37422),

Gene: Amymech_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Amymech_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: BloominB_51 Start: 37209, Stop: 37457, Start Num: 15

Candidate Starts for BloominB_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Daegal_53 Start: 37727, Stop: 38041, Start Num: 13

Candidate Starts for Daegal_53:

(12, 37628), (Start: 13 @37727 has 22 MA's), (Start: 15 @37793 has 1 MA's), (16, 37886), (17, 37907), (19, 37922), (20, 37943), (21, 38000),

Gene: DeepSoil15_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for DeepSoil15_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Dewey_49 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Dewey_49:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Ein37_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Ein37_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Evanesce_50 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Evanesce_50:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Forge_49 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Forge_49:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Gancho_50 Start: 36866, Stop: 37180, Start Num: 13

Candidate Starts for Gancho_50:

(12, 36767), (Start: 13 @36866 has 22 MA's), (Start: 15 @36932 has 1 MA's), (16, 37025), (17, 37046), (19, 37061), (20, 37082), (21, 37139),

Gene: Giles_49 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Giles_49:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Gravaillia_50 Start: 37139, Stop: 37453, Start Num: 13

Candidate Starts for Gravaillia_50:

(12, 37040), (Start: 13 @37139 has 22 MA's), (Start: 15 @37205 has 1 MA's), (16, 37298), (17, 37319), (20, 37355), (21, 37412),

Gene: HH92_50 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for HH92_50:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Hadrien_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Hadrien_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Hail_49 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Hail_49:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Kinbote_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Kinbote_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: LilHazelnut_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for LilHazelnut_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Luke_51 Start: 37098, Stop: 37412, Start Num: 13

Candidate Starts for Luke_51:

(12, 36999), (Start: 13 @37098 has 22 MA's), (Start: 15 @37164 has 1 MA's), (16, 37257), (17, 37278), (19, 37293), (20, 37314), (21, 37371),

Gene: Luna22_49 Start: 37127, Stop: 37441, Start Num: 13

Candidate Starts for Luna22_49:

(12, 37028), (Start: 13 @37127 has 22 MA's), (Start: 15 @37193 has 1 MA's), (16, 37286), (17, 37307), (19, 37322), (20, 37343), (21, 37400),

Gene: NovoPizza_51 Start: 37638, Stop: 38027, Start Num: 13

Candidate Starts for NovoPizza_51:

(1, 36984), (2, 37008), (3, 37011), (4, 37017), (5, 37020), (6, 37029), (7, 37032), (8, 37311), (9, 37395), (10, 37404), (11, 37413), (12, 37536), (Start: 13 @37638 has 22 MA's), (14, 37737), (16, 37872), (18, 37905), (19, 37908), (21, 37986),

Gene: OBUpride_51 Start: 37139, Stop: 37453, Start Num: 13

Candidate Starts for OBUpride_51:

(12, 37040), (Start: 13 @37139 has 22 MA's), (Start: 15 @37205 has 1 MA's), (16, 37298), (17, 37319), (20, 37355), (21, 37412),

Gene: Ubuntu_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Ubuntu_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Webster2_51 Start: 37143, Stop: 37457, Start Num: 13

Candidate Starts for Webster2_51:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),

Gene: Wishmaker_49 Start: 37209, Stop: 37457, Start Num: 15

Candidate Starts for Wishmaker_49:

(12, 37044), (Start: 13 @37143 has 22 MA's), (Start: 15 @37209 has 1 MA's), (16, 37302), (17, 37323), (19, 37338), (20, 37359), (21, 37416),