



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 4847 Report

This analysis was run 07/09/24 on database version 566.

Pham number 4847 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Daegal_32, Hadrien_31, Gancho_30, Kinbote_31, DeepSoil15_31, Webster2_31, Luke_31, Amymech_31, Ubuntu_31, Ein37_31
- Track 2 : LilHazelNut_31, Amochick_31, OBUpride_31

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

The start number called the most often in the published annotations is 3, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amymech_31, Daegal_32, DeepSoil15_31, Ein37_31, Gancho_30, Hadrien_31, Kinbote_31, Luke_31, Ubuntu_31, Webster2_31,

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

- Amochick_31, LilHazelNut_31, OBUpride_31,

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

-

Summary by start number:

Start 3:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 13
- Called 76.9% of time when present
- Phage (with cluster) where this start called: Amymech_31 (Q), Daegal_32 (Q), DeepSoil15_31 (Q), Ein37_31 (Q), Gancho_30 (Q), Hadrien_31 (Q), Kinbote_31 (Q), Luke_31 (Q), Ubuntu_31 (Q), Webster2_31 (Q),

Start 4:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 13
- Called 23.1% of time when present

- Phage (with cluster) where this start called: Amochick_31 (Q), LilHazelnut_31 (Q), OBUpride_31 (Q),

Summary by clusters:

There is one cluster represented in this pham: Q

Info for manual annotations of cluster Q:

- Start number 3 was manually annotated 10 times for cluster Q.
- Start number 4 was manually annotated 3 times for cluster Q.

Gene Information:

Gene: Amochick_31 Start: 26855, Stop: 26968, Start Num: 4

Candidate Starts for Amochick_31:

(1, 26552), (2, 26597), (Start: 3 @26825 has 10 MA's), (Start: 4 @26855 has 3 MA's), (5, 26927), (6, 26942),

Gene: Amymech_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Amymech_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Daegal_32 Start: 27113, Stop: 27256, Start Num: 3

Candidate Starts for Daegal_32:

(1, 26840), (2, 26885), (Start: 3 @27113 has 10 MA's), (Start: 4 @27143 has 3 MA's), (5, 27215), (6, 27230),

Gene: DeepSoil15_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for DeepSoil15_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Ein37_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Ein37_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Gancho_30 Start: 26542, Stop: 26685, Start Num: 3

Candidate Starts for Gancho_30:

(1, 26269), (2, 26314), (Start: 3 @26542 has 10 MA's), (Start: 4 @26572 has 3 MA's), (5, 26644), (6, 26659),

Gene: Hadrien_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Hadrien_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Kinbote_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Kinbote_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: LilHazelnut_31 Start: 26849, Stop: 26962, Start Num: 4

Candidate Starts for LilHazelnut_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Luke_31 Start: 26774, Stop: 26917, Start Num: 3

Candidate Starts for Luke_31:

(1, 26501), (2, 26546), (Start: 3 @26774 has 10 MA's), (Start: 4 @26804 has 3 MA's), (5, 26876), (6, 26891),

Gene: OBUpride_31 Start: 26843, Stop: 26956, Start Num: 4

Candidate Starts for OBUpride_31:

(1, 26540), (2, 26585), (Start: 3 @26813 has 10 MA's), (Start: 4 @26843 has 3 MA's), (5, 26915), (6, 26930),

Gene: Ubuntu_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Ubuntu_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),

Gene: Webster2_31 Start: 26819, Stop: 26962, Start Num: 3

Candidate Starts for Webster2_31:

(1, 26546), (2, 26591), (Start: 3 @26819 has 10 MA's), (Start: 4 @26849 has 3 MA's), (5, 26921), (6, 26936),