



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 3667 Report

This analysis was run 04/05/24 on database version 557.

Pham number 3667 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Kinbote_19, Evanesce_19, LilHazelNut_19, Daegal_20, DeepSoil15_19, Hadrien_19, Amymech_19, Ein37_19, Webster2_19, Dewey_19, OBUpride_19, Giles_19, Forge_19, HH92_19, Wishmaker_19, Amochick_19, Luke_19, Ubuntu_19, Hail_19, Luna22_19
- Track 2 : Gancho_18, Gravaillia_19

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amochick_19, Amymech_19, Daegal_20, DeepSoil15_19, Dewey_19, Ein37_19, Evanesce_19, Forge_19, Gancho_18, Giles_19, Gravaillia_19, HH92_19, Hadrien_19, Hail_19, Kinbote_19, LilHazelNut_19, Luke_19, Luna22_19, OBUpride_19, Ubuntu_19, Webster2_19, Wishmaker_19,

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: 21 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_19 (Q), Amymech_19 (Q), Daegal_20 (Q), DeepSoil15_19 (Q), Dewey_19 (Q), Ein37_19 (Q), Evanesce_19 (Q), Forge_19 (Q), Gancho_18 (Q), Giles_19 (Q), Gravaillia_19 (Q), HH92_19 (Q), Hadrien_19 (Q), Hail_19 (Q), Kinbote_19 (Q), LilHazelNut_19 (Q), Luke_19 (Q), Luna22_19 (Q), OBUpride_19 (Q), Ubuntu_19 (Q), Webster2_19 (Q), Wishmaker_19

(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 21 times for cluster Q.

Gene Information:

Gene: Amochick_19 Start: 12068, Stop: 12226, Start Num: 1

Candidate Starts for Amochick_19:

(Start: 1 @12068 has 21 MA's), (2, 12089), (3, 12110), (5, 12167),

Gene: Amymech_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Amymech_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Daegal_20 Start: 12359, Stop: 12517, Start Num: 1

Candidate Starts for Daegal_20:

(Start: 1 @12359 has 21 MA's), (2, 12380), (3, 12401), (5, 12458),

Gene: DeepSoil15_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for DeepSoil15_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Dewey_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Dewey_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Ein37_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Ein37_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Evanesce_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Evanesce_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Forge_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Forge_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Gancho_18 Start: 11786, Stop: 11944, Start Num: 1

Candidate Starts for Gancho_18:

(Start: 1 @11786 has 21 MA's), (2, 11807), (3, 11828), (4, 11831), (5, 11885),

Gene: Giles_19 Start: 12071, Stop: 12229, Start Num: 1

Candidate Starts for Giles_19:

(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Gravaillia_19 Start: 11804, Stop: 11962, Start Num: 1
Candidate Starts for Gravaillia_19:
(Start: 1 @11804 has 21 MA's), (2, 11825), (3, 11846), (4, 11849), (5, 11903),

Gene: HH92_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for HH92_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Hadrien_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Hadrien_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Hail_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Hail_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Kinbote_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Kinbote_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: LilHazelnut_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for LilHazelnut_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Luke_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Luke_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Luna22_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Luna22_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: OBUpride_19 Start: 12065, Stop: 12223, Start Num: 1
Candidate Starts for OBUpride_19:
(Start: 1 @12065 has 21 MA's), (2, 12086), (3, 12107), (5, 12164),

Gene: Ubuntu_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Ubuntu_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Webster2_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Webster2_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),

Gene: Wishmaker_19 Start: 12071, Stop: 12229, Start Num: 1
Candidate Starts for Wishmaker_19:
(Start: 1 @12071 has 21 MA's), (2, 12092), (3, 12113), (5, 12170),