



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 86662 Report

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

Pham number 86662 has 21 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Giles_3, Evanesce_3, Amymech_3, DeepSoil15_3, LilHazelNut_3, Ein37_3, Hadrien_3, Forge_3, HH92_3, Ubuntu_3, Dewey_3, Luna22_3, Daegal_4, OBUpriide_3, Luke_3, Webster2_3, Hail_3, Kinbote_3, Amochick_3, Wishmaker_3
- Track 2 : Gancho_2

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_3, Amymech_3, Daegal_4, DeepSoil15_3, Dewey_3, Ein37_3, Evanesce_3, Forge_3, Gancho_2, Giles_3, HH92_3, Hadrien_3, Hail_3, Kinbote_3, LilHazelNut_3, Luke_3, Luna22_3, OBUpriide_3, Ubuntu_3, Webster2_3, Wishmaker_3,

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 21 of 21 (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_3 (Q), Amymech_3 (Q), Daegal_4 (Q), DeepSoil15_3 (Q), Dewey_3 (Q), Ein37_3 (Q), Evanesce_3 (Q), Forge_3 (Q), Gancho_2 (Q), Giles_3 (Q), HH92_3 (Q), Hadrien_3 (Q), Hail_3 (Q), Kinbote_3 (Q), LilHazelNut_3 (Q), Luke_3 (Q), Luna22_3 (Q), OBUpriide_3 (Q), Ubuntu_3 (Q), Webster2_3 (Q), Wishmaker_3 (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_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Amochick_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Amymech_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Amymech_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Daegal_4 Start: 1832, Stop: 1212, Start Num: 1

Candidate Starts for Daegal_4:

(Start: 1 @1832 has 21 MA's), (2, 1667), (3, 1529), (4, 1484), (5, 1481), (6, 1460), (7, 1379), (8, 1274),

Gene: DeepSoil15_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for DeepSoil15_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Dewey_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Dewey_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Ein37_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Ein37_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Evanesce_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Evanesce_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Forge_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Forge_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Gancho_2 Start: 1262, Stop: 639, Start Num: 1

Candidate Starts for Gancho_2:

(Start: 1 @1262 has 21 MA's), (2, 1097), (3, 959), (4, 914), (5, 911), (6, 890), (7, 809), (8, 704),

Gene: Giles_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Giles_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: HH92_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for HH92_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Hadrien_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Hadrien_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Hail_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Hail_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Kinbote_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Kinbote_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: LilHazelnut_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for LilHazelnut_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Luke_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Luke_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Luna22_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Luna22_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: OBUpride_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for OBUpride_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Ubuntu_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Ubuntu_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Webster2_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Webster2_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),

Gene: Wishmaker_3 Start: 1553, Stop: 930, Start Num: 1

Candidate Starts for Wishmaker_3:

(Start: 1 @1553 has 21 MA's), (2, 1388), (3, 1250), (4, 1205), (5, 1202), (6, 1181), (7, 1100), (8, 995),