



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 3658 Report

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

Pham number 3658 has 22 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Hail_37, Kinbote_38, Gravaillia_37, Evanesce_37, DeepSoil15_38, Gancho_37, Hadrien_38, Ein37_38, Giles_37, Amymech_38, HH92_37, Dewey_37, OBUpride_38, Luke_38, Amochick_38, LilHazelnut_38, Luna22_37
- Track 2 : Webster2_38, Wishmaker_37, Daegal_39, Ubuntu_38
- Track 3 : Forge_37

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

Genes that call this "Most Annotated" start:

- Amochick_38, Amymech_38, DeepSoil15_38, Dewey_37, Ein37_38, Evanesce_37, Gancho_37, Giles_37, Gravaillia_37, HH92_37, Hadrien_38, Hail_37, Kinbote_38, LilHazelnut_38, Luke_38, Luna22_37, OBUpride_38,

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

- Daegal_39, Forge_37, Ubuntu_38, Webster2_38, Wishmaker_37,

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: 17 of 21
- Called 77.3% of time when present
- Phage (with cluster) where this start called: Amochick_38 (Q), Amymech_38 (Q), DeepSoil15_38 (Q), Dewey_37 (Q), Ein37_38 (Q), Evanesce_37 (Q), Gancho_37 (Q), Giles_37 (Q), Gravaillia_37 (Q), HH92_37 (Q), Hadrien_38 (Q), Hail_37 (Q), Kinbote_38 (Q), LilHazelnut_38 (Q), Luke_38 (Q), Luna22_37 (Q), OBUpride_38 (Q),

Start 3:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 4.5% of time when present
- Phage (with cluster) where this start called: Forge_37 (Q),

Start 4:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 21
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Daegal_39 (Q), Ubuntu_38 (Q), Webster2_38 (Q), Wishmaker_37 (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 17 times for cluster Q.
- Start number 3 was manually annotated 1 time for cluster Q.
- Start number 4 was manually annotated 3 times for cluster Q.

Gene Information:

Gene: Amochick_38 Start: 31748, Stop: 31900, Start Num: 1

Candidate Starts for Amochick_38:

(Start: 1 @31748 has 17 MA's), (2, 31757), (Start: 3 @31766 has 1 MA's), (Start: 4 @31775 has 3 MA's), (5, 31787), (6, 31823),

Gene: Amymech_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Amymech_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Daegal_39 Start: 32063, Stop: 32188, Start Num: 4

Candidate Starts for Daegal_39:

(Start: 1 @32036 has 17 MA's), (2, 32045), (Start: 3 @32054 has 1 MA's), (Start: 4 @32063 has 3 MA's), (5, 32075), (6, 32111),

Gene: DeepSoil15_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for DeepSoil15_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Dewey_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Dewey_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Ein37_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Ein37_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Evanesce_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Evanesce_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Forge_37 Start: 31760, Stop: 31894, Start Num: 3

Candidate Starts for Forge_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Gancho_37 Start: 31465, Stop: 31617, Start Num: 1

Candidate Starts for Gancho_37:

(Start: 1 @31465 has 17 MA's), (2, 31474), (Start: 3 @31483 has 1 MA's), (Start: 4 @31492 has 3 MA's), (5, 31504), (6, 31540),

Gene: Giles_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Giles_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Gravaillia_37 Start: 31471, Stop: 31623, Start Num: 1

Candidate Starts for Gravaillia_37:

(Start: 1 @31471 has 17 MA's), (2, 31480), (Start: 3 @31489 has 1 MA's), (Start: 4 @31498 has 3 MA's), (5, 31510), (6, 31546),

Gene: HH92_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for HH92_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Hadrien_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Hadrien_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Hail_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Hail_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Kinbote_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Kinbote_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: LilHazelNut_38 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for LilHazelNut_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Luke_38 Start: 31697, Stop: 31849, Start Num: 1

Candidate Starts for Luke_38:

(Start: 1 @31697 has 17 MA's), (2, 31706), (Start: 3 @31715 has 1 MA's), (Start: 4 @31724 has 3 MA's), (5, 31736), (6, 31772),

Gene: Luna22_37 Start: 31742, Stop: 31894, Start Num: 1

Candidate Starts for Luna22_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: OBUpride_38 Start: 31736, Stop: 31888, Start Num: 1

Candidate Starts for OBUpride_38:

(Start: 1 @31736 has 17 MA's), (2, 31745), (Start: 3 @31754 has 1 MA's), (Start: 4 @31763 has 3 MA's), (5, 31775), (6, 31811),

Gene: Ubuntu_38 Start: 31769, Stop: 31894, Start Num: 4

Candidate Starts for Ubuntu_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Webster2_38 Start: 31769, Stop: 31894, Start Num: 4

Candidate Starts for Webster2_38:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),

Gene: Wishmaker_37 Start: 31769, Stop: 31894, Start Num: 4

Candidate Starts for Wishmaker_37:

(Start: 1 @31742 has 17 MA's), (2, 31751), (Start: 3 @31760 has 1 MA's), (Start: 4 @31769 has 3 MA's), (5, 31781), (6, 31817),