# Pham 158181



1: Luke_56 + 18



2: OBUpride_57 + 1

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 158181 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158181 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Luke_56, Amymech_57, Hail_54, Hadrien_56, Ein37_57, Giles_54, Daegal_59, Evanesce_56, Dewey_54, Forge_54, LilHazelnut_57, HH92_56, Luna22_54, Ubuntu_57, Webster2_57, Amochick_57, Kinbote_56, DeepSoil15_57, Wishmaker_54
• Track 2 : OBUpride_57, Gravaillia_55


***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 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_57, Amymech_57, Daegal_59, DeepSoil15_57, Dewey_54, Ein37_57, Evanesce_56, Forge_54, Giles_54, Gravaillia_55, HH92_56, Hadrien_56, Hail_54, Kinbote_56, LilHazelnut_57, Luke_56, Luna22_54, OBUpride_57, Ubuntu_57, Webster2_57, Wishmaker_54,

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: 20 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amochick_57 (Q), Amymech_57 (Q), Daegal_59 (Q), DeepSoil15_57 (Q), Dewey_54 (Q), Ein37_57 (Q), Evanesce_56 (Q), Forge_54 (Q), Giles_54 (Q), Gravaillia_55 (Q), HH92_56 (Q), Hadrien_56 (Q), Hail_54 (Q), Kinbote_56 (Q), LilHazelnut_57 (Q), Luke_56 (Q), Luna22_54 (Q), OBUpride_57 (Q), Ubuntu_57 (Q), Webster2_57 (Q), Wishmaker_54 (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 20 times for cluster Q.

*Gene Information:*
Gene: Amochick_57 Start: 41343, Stop: 41483, Start Num: 1
Candidate Starts for Amochick_57:
(Start: 1 @41343 has 20 MA's), (2, 41364), (3, 41412),

Gene: Amymech_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Amymech_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Daegal_59 Start: 41897, Stop: 42037, Start Num: 1
Candidate Starts for Daegal_59:
(Start: 1 @41897 has 20 MA's), (2, 41918), (3, 41966),

Gene: DeepSoil15_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for DeepSoil15_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Dewey_54 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Dewey_54:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Ein37_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Ein37_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Evanesce_56 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Evanesce_56:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Forge_54 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Forge_54:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Giles_54 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Giles_54:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Gravaillia_55 Start: 41321, Stop: 41461, Start Num: 1
Candidate Starts for Gravaillia_55:
(Start: 1 @41321 has 20 MA's), (2, 41342), (3, 41390),

Gene: HH92_56 Start: 41313, Stop: 41453, Start Num: 1

Candidate Starts for HH92_56:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Hadrien_56 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Hadrien_56:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Hail_54 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Hail_54:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Kinbote_56 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Kinbote_56:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: LilHazelnut_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for LilHazelnut_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Luke_56 Start: 41268, Stop: 41408, Start Num: 1
Candidate Starts for Luke_56:
(Start: 1 @41268 has 20 MA's), (2, 41289), (3, 41337),

Gene: Luna22_54 Start: 41297, Stop: 41437, Start Num: 1
Candidate Starts for Luna22_54:
(Start: 1 @41297 has 20 MA's), (2, 41318), (3, 41366),

Gene: OBUpride_57 Start: 41309, Stop: 41449, Start Num: 1
Candidate Starts for OBUpride_57:
(Start: 1 @41309 has 20 MA's), (2, 41330), (3, 41378),

Gene: Ubuntu_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Ubuntu_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Webster2_57 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Webster2_57:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),

Gene: Wishmaker_54 Start: 41313, Stop: 41453, Start Num: 1
Candidate Starts for Wishmaker_54:
(Start: 1 @41313 has 20 MA's), (2, 41334), (3, 41382),