Pham 333151


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1: Weirdo19_37
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2: JustASigh_33
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3: Ein37_41 + 21
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4: NovoPizza_42
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5: Gravaillia_41

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 333151 Report

This analysis was run 11/14/26 on database version 672.

Pham number 333151 has 26 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_37
• Track 2 : JustASigh_33
• Track 3 : Ein37_41, OBUpride_41, Amymech_41, Forge_40, HH92_40, Dewey_40, Amochick_41, DeepSoil15_41, Luke_41, Daegal_43, Kinbote_41, Luna22_40, Ubuntu_41, Hail_40, LilHazelnut_41, Hadrien_41, BloominB_40, Wishmaker_40, Evanesce_40, Gancho_40, Giles_40, Webster2_41
• Track 4 : NovoPizza_42
• Track 5 : Gravaillia_41

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

The start number called the most often in the published annotations is 9, it was called in 24 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_41, Amymech_41, BloominB_40, Daegal_43, DeepSoil15_41, Dewey_40, Ein37_41, Evanesce_40, Forge_40, Gancho_40, Giles_40, Gravaillia_41, HH92_40, Hadrien_41, Hail_40, Kinbote_41, LilHazelnut_41, Luke_41, Luna22_40, NovoPizza_42, OBUpride_41, Ubuntu_41, Webster2_41, Wishmaker_40,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• JustASigh_33, Weirdo19_37,

Summary by start number:

Start 9:
• Found in 24 of 26 (92.3%) of genes in pham
• Manual Annotations of this start: 24 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amochick_41 (Q), Amymech_41 (Q), BloominB_40 (Q), Daegal_43 (Q), DeepSoil15_41 (Q), Dewey_40 (Q), Ein37_41 (Q),

Evanesce_40 (Q), Forge_40 (Q), Gancho_40 (Q), Giles_40 (Q), Gravaillia_41 (Q), HH92_40 (Q), Hadrien_41 (Q), Hail_40 (Q), Kinbote_41 (Q), LilHazelnut_41 (Q), Luke_41 (Q), Luna22_40 (Q), NovoPizza_42 (Q), OBUpride_41 (Q), Ubuntu_41 (Q), Webster2_41 (Q), Wishmaker_40 (Q),

Start 10:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JustASigh_33 (AH), Weirdo19_37 (AH),

Summary by clusters:

There are 2 clusters represented in this pham: Q, AH,

Info for manual annotations of cluster AH:
•Start number 10 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster Q:
•Start number 9 was manually annotated 24 times for cluster Q.

Gene Information:

Gene: Amochick_41 Start: 32713, Stop: 32339, Start Num: 9
Candidate Starts for Amochick_41:
(7, 32794), (Start: 9 @32713 has 24 MA's), (13, 32629), (16, 32593), (18, 32578), (21, 32542), (22, 32518), (27, 32431), (28, 32419), (29, 32401), (32, 32368),

Gene: Amymech_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Amymech_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: BloominB_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for BloominB_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Daegal_43 Start: 33288, Stop: 32914, Start Num: 9
Candidate Starts for Daegal_43:
(7, 33369), (Start: 9 @33288 has 24 MA's), (13, 33204), (16, 33168), (18, 33153), (21, 33117), (22, 33093), (27, 33006), (28, 32994), (29, 32976), (32, 32943),

Gene: DeepSoil15_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for DeepSoil15_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Dewey_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Dewey_40:

(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Ein37_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Ein37_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Evanesce_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Evanesce_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Forge_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Forge_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Gancho_40 Start: 32430, Stop: 32056, Start Num: 9
Candidate Starts for Gancho_40:
(7, 32511), (Start: 9 @32430 has 24 MA's), (13, 32346), (16, 32310), (18, 32295), (21, 32259), (22, 32235), (27, 32148), (28, 32136), (29, 32118), (32, 32085),

Gene: Giles_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Giles_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Gravaillia_41 Start: 32750, Stop: 32376, Start Num: 9
Candidate Starts for Gravaillia_41:
(7, 32831), (Start: 9 @32750 has 24 MA's), (12, 32693), (13, 32666), (16, 32630), (18, 32615), (21, 32579), (27, 32468), (28, 32456), (32, 32405),

Gene: HH92_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for HH92_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Hadrien_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Hadrien_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Hail_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Hail_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: JustASigh_33 Start: 29929, Stop: 29567, Start Num: 10
Candidate Starts for JustASigh_33:
(1, 30259), (2, 30253), (5, 30088), (Start: 10 @29929 has 1 MA's), (12, 29890), (17, 29821), (24, 29680), (26, 29671),

Gene: Kinbote_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Kinbote_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: LilHazelnut_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for LilHazelnut_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Luke_41 Start: 32662, Stop: 32288, Start Num: 9
Candidate Starts for Luke_41:
(7, 32743), (Start: 9 @32662 has 24 MA's), (13, 32578), (16, 32542), (18, 32527), (21, 32491), (22, 32467), (27, 32380), (28, 32368), (29, 32350), (32, 32317),

Gene: Luna22_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Luna22_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: NovoPizza_42 Start: 34391, Stop: 34008, Start Num: 9
Candidate Starts for NovoPizza_42:
(3, 34634), (4, 34616), (5, 34535), (6, 34526), (7, 34475), (8, 34451), (Start: 9 @34391 has 24 MA's), (11, 34343), (12, 34334), (13, 34307), (15, 34277), (16, 34268), (21, 34217), (23, 34187), (25, 34115), (28, 34094), (29, 34076), (32, 34043),

Gene: OBUpride_41 Start: 32701, Stop: 32327, Start Num: 9
Candidate Starts for OBUpride_41:
(7, 32782), (Start: 9 @32701 has 24 MA's), (13, 32617), (16, 32581), (18, 32566), (21, 32530), (22, 32506), (27, 32419), (28, 32407), (29, 32389), (32, 32356),

Gene: Ubuntu_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Ubuntu_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Webster2_41 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Webster2_41:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),

Gene: Weirdo19_37 Start: 30582, Stop: 30232, Start Num: 10
Candidate Starts for Weirdo19_37:
(Start: 10 @30582 has 1 MA's), (12, 30543), (13, 30522), (14, 30495), (19, 30450), (20, 30435), (30, 30279), (31, 30264), (32, 30258), (33, 30237),

Gene: Wishmaker_40 Start: 32707, Stop: 32333, Start Num: 9
Candidate Starts for Wishmaker_40:
(7, 32788), (Start: 9 @32707 has 24 MA's), (13, 32623), (16, 32587), (18, 32572), (21, 32536), (22, 32512), (27, 32425), (28, 32413), (29, 32395), (32, 32362),