Pham 284114

5
7
10
11
1: IdentityCrisis_42
2
3
4
8
12
13
14
2: Forge_68 + 2
2
3
4
8
12
13
14
3: Kinbote_73 + 17
2
3
4
8
12
14
4: Gancho_74
1
3
8
12
5: NovoPizza_82
1
2
3
4
8
12
13
14
6: Daegal_77
6
9
7: Footloose_55

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 284114 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284114 has 26 members, 2 are drafts.

Phages represented in each track:
• Track 1 : IdentityCrisis_42
• Track 2 : Forge_68, Wishmaker_68, BloominB_75
• Track 3 : Kinbote_73, Ubuntu_75, Dewey_68, Hadrien_72, Evanesce_74, LilHazelnut_75, Webster2_75, Amymech_75, Ein37_75, Hail_68, OBUpride_74, Luna22_68, HH92_74, DeepSoil15_75, Luke_72, Gravaillia_69, Amochick_76, Giles_68
• Track 4 : Gancho_74
• Track 5 : NovoPizza_82
• Track 6 : Daegal_77
• Track 7 : Footloose_55

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

The start number called the most often in the published annotations is 3, it was called in 20 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amochick_76, Amymech_75, Daegal_77, DeepSoil15_75, Dewey_68, Ein37_75, Evanesce_74, Gancho_74, Giles_68, Gravaillia_69, HH92_74, Hadrien_72, Hail_68, Kinbote_73, LilHazelnut_75, Luke_72, Luna22_68, OBUpride_74, Ubuntu_75, Webster2_75,

Genes that have the "Most Annotated" start but do not call it:
• BloominB_75, Forge_68, NovoPizza_82, Wishmaker_68,

Genes that do not have the "Most Annotated" start:
• Footloose_55, IdentityCrisis_42,

Summary by start number:

Start 1:
• Found in 2 of 26 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present

• Phage (with cluster) where this start called: NovoPizza_82 (Q),

Start 3:
• Found in 24 of 26 (92.3%) of genes in pham
• Manual Annotations of this start: 20 of 24
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Amochick_76 (Q), Amymech_75 (Q), Daegal_77 (Q), DeepSoil15_75 (Q), Dewey_68 (Q), Ein37_75 (Q), Evanesce_74 (Q), Gancho_74 (Q), Giles_68 (Q), Gravaillia_69 (Q), HH92_74 (Q), Hadrien_72 (Q), Hail_68 (Q), Kinbote_73 (Q), LilHazelnut_75 (Q), Luke_72 (Q), Luna22_68 (Q), OBUpride_74 (Q), Ubuntu_75 (Q), Webster2_75 (Q),

Start 4:
• Found in 23 of 26 (88.5%) of genes in pham
• Manual Annotations of this start: 2 of 24
• Called 13.0% of time when present
• Phage (with cluster) where this start called: BloominB_75 (Q), Forge_68 (Q), Wishmaker_68 (Q),

Start 5:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_42 (AJ),

Start 6:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Footloose_55 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: Q, singleton, AJ,

Info for manual annotations of cluster AJ:
•Start number 5 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster Q:
•Start number 3 was manually annotated 20 times for cluster Q.
•Start number 4 was manually annotated 2 times for cluster Q.

Gene Information:

Gene: Amochick_76 Start: 49396, Stop: 49704, Start Num: 3
Candidate Starts for Amochick_76:
(2, 49390), (Start: 3 @49396 has 20 MA's), (Start: 4 @49423 has 2 MA's), (8, 49456), (12, 49558), (13, 49585), (14, 49696),

Gene: Amymech_75 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Amymech_75:

(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: BloominB_75 Start: 48876, Stop: 49157, Start Num: 4
Candidate Starts for BloominB_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Daegal_77 Start: 49955, Stop: 50263, Start Num: 3
Candidate Starts for Daegal_77:
(1, 49937), (2, 49949), (Start: 3 @49955 has 20 MA's), (Start: 4 @49982 has 2 MA's), (8, 50015), (12, 50117), (13, 50144), (14, 50255),

Gene: DeepSoil15_75 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for DeepSoil15_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Dewey_68 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Dewey_68:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Ein37_75 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Ein37_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Evanesce_74 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Evanesce_74:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Footloose_55 Start: 31826, Stop: 32083, Start Num: 6
Candidate Starts for Footloose_55:
(Start: 6 @31826 has 1 MA's), (9, 31838),

Gene: Forge_68 Start: 48876, Stop: 49157, Start Num: 4
Candidate Starts for Forge_68:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Gancho_74 Start: 48624, Stop: 48932, Start Num: 3
Candidate Starts for Gancho_74:
(2, 48618), (Start: 3 @48624 has 20 MA's), (Start: 4 @48651 has 2 MA's), (8, 48684), (12, 48786), (14, 48924),

Gene: Giles_68 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Giles_68:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Gravaillia_69 Start: 48905, Stop: 49213, Start Num: 3

Candidate Starts for Gravaillia_69:
(2, 48899), (Start: 3 @48905 has 20 MA's), (Start: 4 @48932 has 2 MA's), (8, 48965), (12, 49067), (13, 49094), (14, 49205),

Gene: HH92_74 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for HH92_74:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Hadrien_72 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Hadrien_72:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Hail_68 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Hail_68:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: IdentityCrisis_42 Start: 29075, Stop: 29332, Start Num: 5
Candidate Starts for IdentityCrisis_42:
(Start: 5 @29075 has 1 MA's), (7, 29090), (10, 29150), (11, 29168),

Gene: Kinbote_73 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Kinbote_73:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: LilHazelnut_75 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for LilHazelnut_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Luke_72 Start: 48804, Stop: 49112, Start Num: 3
Candidate Starts for Luke_72:
(2, 48798), (Start: 3 @48804 has 20 MA's), (Start: 4 @48831 has 2 MA's), (8, 48864), (12, 48966), (13, 48993), (14, 49104),

Gene: Luna22_68 Start: 48833, Stop: 49141, Start Num: 3
Candidate Starts for Luna22_68:
(2, 48827), (Start: 3 @48833 has 20 MA's), (Start: 4 @48860 has 2 MA's), (8, 48893), (12, 48995), (13, 49022), (14, 49133),

Gene: NovoPizza_82 Start: 50985, Stop: 51311, Start Num: 1
Candidate Starts for NovoPizza_82:
(1, 50985), (Start: 3 @51003 has 20 MA's), (8, 51063), (12, 51165),

Gene: OBUpride_74 Start: 48893, Stop: 49201, Start Num: 3
Candidate Starts for OBUpride_74:
(2, 48887), (Start: 3 @48893 has 20 MA's), (Start: 4 @48920 has 2 MA's), (8, 48953), (12, 49055), (13, 49082), (14, 49193),

Gene: Ubuntu_75 Start: 48849, Stop: 49157, Start Num: 3

Candidate Starts for Ubuntu_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Webster2_75 Start: 48849, Stop: 49157, Start Num: 3
Candidate Starts for Webster2_75:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),

Gene: Wishmaker_68 Start: 48876, Stop: 49157, Start Num: 4
Candidate Starts for Wishmaker_68:
(2, 48843), (Start: 3 @48849 has 20 MA's), (Start: 4 @48876 has 2 MA's), (8, 48909), (12, 49011), (13, 49038), (14, 49149),