Pham 348043


18
22
27
30
31
32
1: GreedyLawyer_64
17
18
19
25
27
33
2: Immanuel3_75
12
17
22
34
3: Culver_112 + 1
2
5
12
17
22
28
34
4: Cucurbita_113 + 1
2
4
5
12
17
22
34
5: Geeche_111 + 1
17
22
34
6: ClubL_113 + 4
6
9
17
21
22
24
33
7: WilliamBoone_113
1
3
7
8
10
11
13
14
18
20
22
26
27
29
8: DodMcStuffins_61 + 6

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 348043 Report

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

Pham number 348043 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GreedyLawyer_64
• Track 2 : Immanuel3_75
• Track 3 : Culver_112, Abscondus_111
• Track 4 : Cucurbita_113, PhinkBoden_112
• Track 5 : Geeche_111, Dusty_110
• Track 6 : ClubL_113, Smoothie_113, Bachita_114, Engineer_113, Lozinak_112
• Track 7 : WilliamBoone_113
• Track 8 : DocMcStuffins_61, Piper2020_62, Awesomesauce_61, Aloeri_62, Misha28_59, ChickenDinner_61, TootsiePop_59

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

The start number called the most often in the published annotations is 17, it was called in 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_111, Bachita_114, ClubL_113, Cucurbita_113, Culver_112, Dusty_110, Engineer_113, Geeche_111, Immanuel3_75, Lozinak_112, PhinkBoden_112, Smoothie_113, WilliamBoone_113,

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

Genes that do not have the "Most Annotated" start:
• Aloeri_62, Awesomesauce_61, ChickenDinner_61, DocMcStuffins_61, GreedyLawyer_64, Misha28_59, Piper2020_62, TootsiePop_59,

Summary by start number:

Start 17:
• Found in 13 of 21 (61.9%) of genes in pham
• Manual Annotations of this start: 12 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Abscondus_111 (CQ1), Bachita_114 (CQ1), ClubL_113 (CQ1), Cucurbita_113 (CQ1), Culver_112 (CQ1), Dusty_110 (CQ1), Engineer_113 (CQ1), Geeche_111 (CQ1), Immanuel3_75 (BF), Lozinak_112 (CQ1), PhinkBoden_112 (CQ1), Smoothie_113 (CQ1), WilliamBoone_113 (CQ1),

Start 18:
• Found in 9 of 21 (42.9%) of genes in pham
• Manual Annotations of this start: 8 of 20
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Aloeri_62 (F1), Awesomesauce_61 (F1), ChickenDinner_61 (F1), DocMcStuffins_61 (F1), GreedyLawyer_64 (A6), Misha28_59 (F1), Piper2020_62 (F1), TootsiePop_59 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, CQ1, BF, A6,

Info for manual annotations of cluster A6:
•Start number 18 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster BF:
•Start number 17 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster CQ1:
•Start number 17 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster F1:
•Start number 18 was manually annotated 7 times for cluster F1.

Gene Information:

Gene: Abscondus_111 Start: 64932, Stop: 65336, Start Num: 17
Candidate Starts for Abscondus_111:
(12, 64818), (Start: 17 @64932 has 12 MA's), (22, 65082), (34, 65289),

Gene: Aloeri_62 Start: 39902, Stop: 40159, Start Num: 18
Candidate Starts for Aloeri_62:
(1, 39569), (3, 39602), (7, 39710), (8, 39722), (10, 39743), (11, 39764), (13, 39818), (14, 39857), (15, 39872), (16, 39875), (Start: 18 @39902 has 8 MA's), (20, 39980), (22, 40037), (26, 40073), (27, 40127), (29, 40148),

Gene: Awesomesauce_61 Start: 38985, Stop: 39242, Start Num: 18
Candidate Starts for Awesomesauce_61:
(1, 38652), (3, 38685), (7, 38793), (8, 38805), (10, 38826), (11, 38847), (13, 38901), (14, 38940), (15, 38955), (16, 38958), (Start: 18 @38985 has 8 MA's), (20, 39063), (22, 39120), (26, 39156), (27, 39210), (29, 39231),

Gene: Bachita_114 Start: 66155, Stop: 66559, Start Num: 17
Candidate Starts for Bachita_114:
(Start: 17 @66155 has 12 MA's), (22, 66305), (34, 66512),

Gene: ChickenDinner_61 Start: 39902, Stop: 40159, Start Num: 18
Candidate Starts for ChickenDinner_61:
(1, 39569), (3, 39602), (7, 39710), (8, 39722), (10, 39743), (11, 39764), (13, 39818), (14, 39857), (15, 39872), (16, 39875), (Start: 18 @39902 has 8 MA's), (20, 39980), (22, 40037), (26, 40073), (27, 40127), (29, 40148),

Gene: ClubL_113 Start: 65085, Stop: 65489, Start Num: 17
Candidate Starts for ClubL_113:
(Start: 17 @65085 has 12 MA's), (22, 65235), (34, 65442),

Gene: Cucurbita_113 Start: 66650, Stop: 67054, Start Num: 17
Candidate Starts for Cucurbita_113:
(2, 66356), (5, 66386), (12, 66536), (Start: 17 @66650 has 12 MA's), (22, 66800), (28, 66905), (34, 67007),

Gene: Culver_112 Start: 64404, Stop: 64808, Start Num: 17
Candidate Starts for Culver_112:
(12, 64290), (Start: 17 @64404 has 12 MA's), (22, 64554), (34, 64761),

Gene: DocMcStuffins_61 Start: 39902, Stop: 40159, Start Num: 18
Candidate Starts for DocMcStuffins_61:
(1, 39569), (3, 39602), (7, 39710), (8, 39722), (10, 39743), (11, 39764), (13, 39818), (14, 39857), (15, 39872), (16, 39875), (Start: 18 @39902 has 8 MA's), (20, 39980), (22, 40037), (26, 40073), (27, 40127), (29, 40148),

Gene: Dusty_110 Start: 64991, Stop: 65395, Start Num: 17
Candidate Starts for Dusty_110:
(2, 64697), (4, 64703), (5, 64727), (12, 64877), (Start: 17 @64991 has 12 MA's), (22, 65141), (34, 65348),

Gene: Engineer_113 Start: 66128, Stop: 66532, Start Num: 17
Candidate Starts for Engineer_113:
(Start: 17 @66128 has 12 MA's), (22, 66278), (34, 66485),

Gene: Geeche_111 Start: 65214, Stop: 65618, Start Num: 17
Candidate Starts for Geeche_111:
(2, 64920), (4, 64926), (5, 64950), (12, 65100), (Start: 17 @65214 has 12 MA's), (22, 65364), (34, 65571),

Gene: GreedyLawyer_64 Start: 39653, Stop: 39324, Start Num: 18
Candidate Starts for GreedyLawyer_64:
(Start: 18 @39653 has 8 MA's), (22, 39518), (27, 39428), (30, 39404), (31, 39392), (32, 39365),

Gene: Immanuel3_75 Start: 39592, Stop: 39245, Start Num: 17
Candidate Starts for Immanuel3_75:
(Start: 17 @39592 has 12 MA's), (Start: 18 @39583 has 8 MA's), (19, 39547), (22, 39448), (23, 39445), (25, 39415), (27, 39364), (33, 39292),

Gene: Lozinak_112 Start: 65966, Stop: 66370, Start Num: 17
Candidate Starts for Lozinak_112:
(Start: 17 @65966 has 12 MA's), (22, 66116), (34, 66323),

Gene: Misha28_59 Start: 38990, Stop: 39247, Start Num: 18

Candidate Starts for Misha28_59:
(1, 38657), (3, 38690), (7, 38798), (8, 38810), (10, 38831), (11, 38852), (13, 38906), (14, 38945), (15, 38960), (16, 38963), (Start: 18 @38990 has 8 MA's), (20, 39068), (22, 39125), (26, 39161), (27, 39215), (29, 39236),

Gene: PhinkBoden_112 Start: 66255, Stop: 66659, Start Num: 17
Candidate Starts for PhinkBoden_112:
(2, 65961), (5, 65991), (12, 66141), (Start: 17 @66255 has 12 MA's), (22, 66405), (28, 66510), (34, 66612),

Gene: Piper2020_62 Start: 39885, Stop: 40142, Start Num: 18
Candidate Starts for Piper2020_62:
(1, 39552), (3, 39585), (7, 39693), (8, 39705), (10, 39726), (11, 39747), (13, 39801), (14, 39840), (15, 39855), (16, 39858), (Start: 18 @39885 has 8 MA's), (20, 39963), (22, 40020), (26, 40056), (27, 40110), (29, 40131),

Gene: Smoothie_113 Start: 65966, Stop: 66370, Start Num: 17
Candidate Starts for Smoothie_113:
(Start: 17 @65966 has 12 MA's), (22, 66116), (34, 66323),

Gene: TootsiePop_59 Start: 38990, Stop: 39247, Start Num: 18
Candidate Starts for TootsiePop_59:
(1, 38657), (3, 38690), (7, 38798), (8, 38810), (10, 38831), (11, 38852), (13, 38906), (14, 38945), (15, 38960), (16, 38963), (Start: 18 @38990 has 8 MA's), (20, 39068), (22, 39125), (26, 39161), (27, 39215), (29, 39236),

Gene: WilliamBoone_113 Start: 64363, Stop: 64770, Start Num: 17
Candidate Starts for WilliamBoone_113:
(6, 64156), (9, 64192), (Start: 17 @64363 has 12 MA's), (21, 64495), (22, 64519), (24, 64525), (33, 64678),