Pham 243351


1: Community_51 + 2
2: AEgle_44 + 3
3: Tutumahutu_49
4: Sue2_49
5: Mudpuppy_44
6: AGrandiflora_50 + 6
7: IttyBittyPiggy_48
8: Ascela_47 + 1
9: Kaylissa_49
10: Elezi_45 + 7
11: VResidence_48
12: Tbone_48
13: Berrie_49 + 1
14: Lizalica_47 + 1
15: Pixelle_50
16: Wildwest_47
17: YesChef_48 + 1
18: Amyev_49 + 1
19: Warda_48
20: DrSierra_46
21: Snek_49 + 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 243351 Report

This analysis was run 02/07/26 on database version 634.

Pham number 243351 has 45 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Community_51, Tuck_51, Janeemi_50
• Track 2 : AEgle_44, Adumb2043_45, Amploria_46, Turab_45
• Track 3 : Tutumahutu_49
• Track 4 : Sue2_49
• Track 5 : Mudpuppy_44
• Track 6 : AGrandiflora_50, JohnDoe_48, Lego_47, Joemato_48, Simpson_50, Flutur_47, Cyan_48
• Track 7 : IttyBittyPiggy_48
• Track 8 : Ascela_47, Iter_47
• Track 9 : Kaylissa_49
• Track 10 : Elezi_45, Asa16_45, Eraser_45, London_45, Subaru_46, Niobe_45, Skelbel_46, Jstan_47
• Track 11 : VResidence_48
• Track 12 : Tbone_48
• Track 13 : Berrie_49, Phives_52
• Track 14 : Lizalica_47, Nitro_47
• Track 15 : Pixelle_50
• Track 16 : Wildwest_47
• Track 17 : YesChef_48, Powerpuff_50
• Track 18 : Amyev_49, Tian_48
• Track 19 : Warda_48
• Track 20 : DrSierra_46
• Track 21 : Snek_49, Tweety19_50

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

The start number called the most often in the published annotations is 11, it was called in 33 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_44, AGrandiflora_50, Adumb2043_45, Amploria_46, Amyev_49, Asa16_45, Ascela_47, Berrie_49, Community_51, Cyan_48, DrSierra_46, Elezi_45, Eraser_45, Flutur_47, Iter_47, IttyBittyPiggy_48, Janeemi_50, Joemato_48, JohnDoe_48, Jstan_47, Kaylissa_49, Lego_47, Lizalica_47, London_45, Mudpuppy_44, Niobe_45,

Nitro_47, Phives_52, Pixelle_50, Powerpuff_50, Simpson_50, Skelbel_46, Snek_49, Subaru_46, Tbone_48, Tian_48, Tuck_51, Turab_45, Tutumahutu_49, Tweety19_50, VResidence_48, Warda_48, Wildwest_47, YesChef_48,

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

Genes that do not have the "Most Annotated" start:
• Sue2_49,

Summary by start number:

Start 10:
• Found in 1 of 45 (2.2%) of genes in pham
• Manual Annotations of this start: 1 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_49 (AZ1),

Start 11:
• Found in 44 of 45 (97.8%) of genes in pham
• Manual Annotations of this start: 33 of 34
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_44 (AZ1), AGrandiflora_50 (AZ1), Adumb2043_45 (AZ1), Amploria_46 (AZ1), Amyev_49 (AZ1), Asa16_45 (AZ1), Ascela_47 (AZ1), Berrie_49 (AZ1), Community_51 (AZ1), Cyan_48 (AZ1), DrSierra_46 (AZ1), Elezi_45 (AZ1), Eraser_45 (AZ1), Flutur_47 (AZ), Iter_47 (AZ1), IttyBittyPiggy_48 (AZ1), Janeemi_50 (AZ1), Joemato_48 (AZ1), JohnDoe_48 (AZ1), Jstan_47 (AZ1), Kaylissa_49 (AZ1), Lego_47 (AZ1), Lizalica_47 (AZ1), London_45 (AZ1), Mudpuppy_44 (AZ1), Niobe_45 (AZ1), Nitro_47 (AZ1), Phives_52 (AZ1), Pixelle_50 (AZ1), Powerpuff_50 (AZ1), Simpson_50 (AZ1), Skelbel_46 (AZ1), Snek_49 (AZ3), Subaru_46 (AZ1), Tbone_48 (AZ1), Tian_48 (AZ1), Tuck_51 (AZ1), Turab_45 (AZ1), Tutumahutu_49 (AZ1), Tweety19_50 (AZ3), VResidence_48 (AZ1), Warda_48 (AZ1), Wildwest_47 (AZ1), YesChef_48 (AZ1),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, AZ3, AZ,

Info for manual annotations of cluster AZ1:
•Start number 10 was manually annotated 1 time for cluster AZ1.
•Start number 11 was manually annotated 31 times for cluster AZ1.

Info for manual annotations of cluster AZ3:
•Start number 11 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: AEgle_44 Start: 33643, Stop: 33831, Start Num: 11
Candidate Starts for AEgle_44:
(Start: 11 @33643 has 33 MA's), (13, 33736), (15, 33757),

Gene: AGrandiflora_50 Start: 34967, Stop: 35125, Start Num: 11
Candidate Starts for AGrandiflora_50:
(1, 34280), (2, 34409), (3, 34529), (4, 34742), (5, 34784), (8, 34892), (Start: 11 @34967 has 33 MA's), (14, 35069), (15, 35081),

Gene: Adumb2043_45 Start: 33662, Stop: 33850, Start Num: 11
Candidate Starts for Adumb2043_45:
(Start: 11 @33662 has 33 MA's), (13, 33755), (15, 33776),

Gene: Amploria_46 Start: 33845, Stop: 34033, Start Num: 11
Candidate Starts for Amploria_46:
(Start: 11 @33845 has 33 MA's), (13, 33938), (15, 33959),

Gene: Amyev_49 Start: 37036, Stop: 37194, Start Num: 11
Candidate Starts for Amyev_49:
(4, 36811), (5, 36853), (8, 36961), (Start: 11 @37036 has 33 MA's), (14, 37138), (15, 37150),

Gene: Asa16_45 Start: 35036, Stop: 35194, Start Num: 11
Candidate Starts for Asa16_45:
(1, 34346), (2, 34475), (4, 34808), (5, 34850), (7, 34883), (Start: 11 @35036 has 33 MA's), (14, 35138), (15, 35150),

Gene: Ascela_47 Start: 34281, Stop: 34439, Start Num: 11
Candidate Starts for Ascela_47:
(Start: 11 @34281 has 33 MA's), (14, 34383), (15, 34395),

Gene: Berrie_49 Start: 35382, Stop: 35540, Start Num: 11
Candidate Starts for Berrie_49:
(Start: 11 @35382 has 33 MA's), (14, 35484), (15, 35496),

Gene: Community_51 Start: 36750, Stop: 36908, Start Num: 11
Candidate Starts for Community_51:
(1, 36063), (2, 36192), (4, 36525), (5, 36567), (7, 36600), (Start: 11 @36750 has 33 MA's), (14, 36852), (15, 36864),

Gene: Cyan_48 Start: 34566, Stop: 34724, Start Num: 11
Candidate Starts for Cyan_48:
(1, 33879), (2, 34008), (3, 34128), (4, 34341), (5, 34383), (8, 34491), (Start: 11 @34566 has 33 MA's), (14, 34668), (15, 34680),

Gene: DrSierra_46 Start: 33437, Stop: 33595, Start Num: 11
Candidate Starts for DrSierra_46:
(Start: 11 @33437 has 33 MA's), (14, 33539), (15, 33551),

Gene: Elezi_45 Start: 35032, Stop: 35190, Start Num: 11
Candidate Starts for Elezi_45:
(1, 34342), (2, 34471), (4, 34804), (5, 34846), (7, 34879), (Start: 11 @35032 has 33 MA's), (14, 35134), (15, 35146),

Gene: Eraser_45 Start: 35042, Stop: 35200, Start Num: 11
Candidate Starts for Eraser_45:

(1, 34352), (2, 34481), (4, 34814), (5, 34856), (7, 34889), (Start: 11 @35042 has 33 MA's), (14, 35144), (15, 35156),

Gene: Flutur_47 Start: 34822, Stop: 34980, Start Num: 11
Candidate Starts for Flutur_47:
(1, 34135), (2, 34264), (3, 34384), (4, 34597), (5, 34639), (8, 34747), (Start: 11 @34822 has 33 MA's), (14, 34924), (15, 34936),

Gene: Iter_47 Start: 34275, Stop: 34433, Start Num: 11
Candidate Starts for Iter_47:
(Start: 11 @34275 has 33 MA's), (14, 34377), (15, 34389),

Gene: IttyBittyPiggy_48 Start: 34002, Stop: 34160, Start Num: 11
Candidate Starts for IttyBittyPiggy_48:
(Start: 11 @34002 has 33 MA's), (14, 34104), (15, 34116),

Gene: Janeemi_50 Start: 36281, Stop: 36439, Start Num: 11
Candidate Starts for Janeemi_50:
(1, 35594), (2, 35723), (4, 36056), (5, 36098), (7, 36131), (Start: 11 @36281 has 33 MA's), (14, 36383), (15, 36395),

Gene: Joemato_48 Start: 34592, Stop: 34750, Start Num: 11
Candidate Starts for Joemato_48:
(1, 33905), (2, 34034), (3, 34154), (4, 34367), (5, 34409), (8, 34517), (Start: 11 @34592 has 33 MA's), (14, 34694), (15, 34706),

Gene: JohnDoe_48 Start: 34588, Stop: 34746, Start Num: 11
Candidate Starts for JohnDoe_48:
(1, 33901), (2, 34030), (3, 34150), (4, 34363), (5, 34405), (8, 34513), (Start: 11 @34588 has 33 MA's), (14, 34690), (15, 34702),

Gene: Jstan_47 Start: 35038, Stop: 35196, Start Num: 11
Candidate Starts for Jstan_47:
(1, 34348), (2, 34477), (4, 34810), (5, 34852), (7, 34885), (Start: 11 @35038 has 33 MA's), (14, 35140), (15, 35152),

Gene: Kaylissa_49 Start: 34983, Stop: 35141, Start Num: 11
Candidate Starts for Kaylissa_49:
(Start: 11 @34983 has 33 MA's), (14, 35085), (15, 35097),

Gene: Lego_47 Start: 34303, Stop: 34461, Start Num: 11
Candidate Starts for Lego_47:
(1, 33616), (2, 33745), (3, 33865), (4, 34078), (5, 34120), (8, 34228), (Start: 11 @34303 has 33 MA's), (14, 34405), (15, 34417),

Gene: Lizalica_47 Start: 34047, Stop: 34205, Start Num: 11
Candidate Starts for Lizalica_47:
(Start: 11 @34047 has 33 MA's), (14, 34149), (15, 34161),

Gene: London_45 Start: 35033, Stop: 35191, Start Num: 11
Candidate Starts for London_45:
(1, 34343), (2, 34472), (4, 34805), (5, 34847), (7, 34880), (Start: 11 @35033 has 33 MA's), (14, 35135), (15, 35147),

Gene: Mudpuppy_44 Start: 34244, Stop: 34402, Start Num: 11
Candidate Starts for Mudpuppy_44:
(1, 33557), (2, 33686), (3, 33806), (4, 34019), (5, 34061), (8, 34169), (Start: 11 @34244 has 33 MA's), (14, 34346), (15, 34358),

Gene: Niobe_45 Start: 35036, Stop: 35194, Start Num: 11
Candidate Starts for Niobe_45:
(1, 34346), (2, 34475), (4, 34808), (5, 34850), (7, 34883), (Start: 11 @35036 has 33 MA's), (14, 35138), (15, 35150),

Gene: Nitro_47 Start: 35343, Stop: 35501, Start Num: 11
Candidate Starts for Nitro_47:
(Start: 11 @35343 has 33 MA's), (14, 35445), (15, 35457),

Gene: Phives_52 Start: 36775, Stop: 36933, Start Num: 11
Candidate Starts for Phives_52:
(Start: 11 @36775 has 33 MA's), (14, 36877), (15, 36889),

Gene: Pixelle_50 Start: 37381, Stop: 37539, Start Num: 11
Candidate Starts for Pixelle_50:
(8, 37306), (Start: 11 @37381 has 33 MA's), (14, 37483), (15, 37495),

Gene: Powerpuff_50 Start: 35691, Stop: 35849, Start Num: 11
Candidate Starts for Powerpuff_50:
(1, 35004), (2, 35133), (3, 35253), (4, 35466), (5, 35508), (6, 35535), (8, 35616), (Start: 11 @35691 has 33 MA's), (14, 35793), (15, 35805),

Gene: Simpson_50 Start: 34596, Stop: 34754, Start Num: 11
Candidate Starts for Simpson_50:
(1, 33909), (2, 34038), (3, 34158), (4, 34371), (5, 34413), (8, 34521), (Start: 11 @34596 has 33 MA's), (14, 34698), (15, 34710),

Gene: Skelbel_46 Start: 35037, Stop: 35195, Start Num: 11
Candidate Starts for Skelbel_46:
(1, 34347), (2, 34476), (4, 34809), (5, 34851), (7, 34884), (Start: 11 @35037 has 33 MA's), (14, 35139), (15, 35151),

Gene: Snek_49 Start: 34211, Stop: 34417, Start Num: 11
Candidate Starts for Snek_49:
(9, 34163), (Start: 11 @34211 has 33 MA's), (15, 34325), (16, 34409),

Gene: Subaru_46 Start: 35032, Stop: 35190, Start Num: 11
Candidate Starts for Subaru_46:
(1, 34342), (2, 34471), (4, 34804), (5, 34846), (7, 34879), (Start: 11 @35032 has 33 MA's), (14, 35134), (15, 35146),

Gene: Sue2_49 Start: 35287, Stop: 35445, Start Num: 10
Candidate Starts for Sue2_49:
(8, 35212), (Start: 10 @35287 has 1 MA's), (14, 35389), (15, 35401),

Gene: Tbone_48 Start: 35151, Stop: 35309, Start Num: 11
Candidate Starts for Tbone_48:

(8, 35076), (Start: 11 @35151 has 33 MA's), (14, 35253), (15, 35265),

Gene: Tian_48 Start: 37036, Stop: 37194, Start Num: 11
Candidate Starts for Tian_48:
(4, 36811), (5, 36853), (8, 36961), (Start: 11 @37036 has 33 MA's), (14, 37138), (15, 37150),

Gene: Tuck_51 Start: 36658, Stop: 36816, Start Num: 11
Candidate Starts for Tuck_51:
(1, 35971), (2, 36100), (4, 36433), (5, 36475), (7, 36508), (Start: 11 @36658 has 33 MA's), (14, 36760), (15, 36772),

Gene: Turab_45 Start: 33682, Stop: 33870, Start Num: 11
Candidate Starts for Turab_45:
(Start: 11 @33682 has 33 MA's), (13, 33775), (15, 33796),

Gene: Tutumahutu_49 Start: 34574, Stop: 34732, Start Num: 11
Candidate Starts for Tutumahutu_49:
(1, 33887), (2, 34016), (3, 34136), (4, 34349), (5, 34391), (8, 34499), (Start: 11 @34574 has 33 MA's), (14, 34676), (15, 34688),

Gene: Tweety19_50 Start: 34211, Stop: 34417, Start Num: 11
Candidate Starts for Tweety19_50:
(9, 34163), (Start: 11 @34211 has 33 MA's), (15, 34325), (16, 34409),

Gene: VResidence_48 Start: 33937, Stop: 34095, Start Num: 11
Candidate Starts for VResidence_48:
(Start: 11 @33937 has 33 MA's), (14, 34039), (15, 34051),

Gene: Warda_48 Start: 34638, Stop: 34796, Start Num: 11
Candidate Starts for Warda_48:
(1, 33951), (2, 34080), (3, 34200), (4, 34413), (5, 34455), (8, 34563), (Start: 11 @34638 has 33 MA's), (14, 34740), (15, 34752),

Gene: Wildwest_47 Start: 34578, Stop: 34766, Start Num: 11
Candidate Starts for Wildwest_47:
(Start: 11 @34578 has 33 MA's), (12, 34593), (13, 34671), (15, 34692),

Gene: YesChef_48 Start: 34550, Stop: 34708, Start Num: 11
Candidate Starts for YesChef_48:
(1, 33863), (2, 33992), (3, 34112), (4, 34325), (5, 34367), (6, 34394), (8, 34475), (Start: 11 @34550 has 33 MA's), (14, 34652), (15, 34664),