Pham 301430


1: Wildwest_50 + 1
2: Yang_50 + 1
3: MissSwiss_53 + 1
4: Mudpuppy_47 + 15
5: Adolin_54
6: Adumb2043_48 + 1
7: Berrie_52
8: Warda_51 + 1
9: Community_54 + 9
10: AEgle_47 + 2
11: Tallboi_50
12: Pixelle_53 + 2
13: DrManhattan_53
14: IttyBittyPiggy_51
15: Janeemi_53
16: Schaffner_50
17: TforTroy_51
18: Tweety19_53 + 1
19: Exile_45
20: Soondubu_47
21: AinMach_49

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 301430 Report

This analysis was run 06/08/26 on database version 649.

Pham number 301430 has 55 members, 14 are drafts.

Phages represented in each track:
• Track 1 : Wildwest_50, DrSierra_49
• Track 2 : Yang_50, JuneStar_52
• Track 3 : MissSwiss_53, PandaPo_53
• Track 4 : Mudpuppy_47, Lego_50, AGrandiflora_53, Joemato_51, Iter_52, Flutur_50, JohnDoe_51, YesChef_51, Cyan_51, Simpson_53, Tutumahutu_52, Reedo_50, Kaylissa_52, Ascela_52, Powerpuff_53, Lizalica_50
• Track 5 : Adolin_54
• Track 6 : Adumb2043_48, Turab_48
• Track 7 : Berrie_52
• Track 8 : Warda_51, Tbone_51
• Track 9 : Community_54, Niobe_49, Jstan_51, London_49, Tuck_54, Skelbel_50, Eraser_49, Asa16_49, Subaru_50, Elezi_49
• Track 10 : AEgle_47, Nitro_52, Amploria_49
• Track 11 : Tallboi_50
• Track 12 : Pixelle_53, Tian_51, Amyev_52
• Track 13 : DrManhattan_53
• Track 14 : IttyBittyPiggy_51
• Track 15 : Janeemi_53
• Track 16 : Schaffner_50
• Track 17 : TforTroy_51
• Track 18 : Tweety19_53, Snek_52
• Track 19 : Exile_45
• Track 20 : Soondubu_47
• Track 21 : AinMach_49

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 39 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_47, AGrandiflora_53, Adolin_54, Adumb2043_48, AinMach_49, Amploria_49, Amyev_52, Asa16_49, Ascela_52, Berrie_52, Community_54, Cyan_51, DrManhattan_53, DrSierra_49, Elezi_49, Eraser_49, Exile_45, Flutur_50, Iter_52,

IttyBittyPiggy_51, Janeemi_53, Joemato_51, JohnDoe_51, Jstan_51, JuneStar_52, Kaylissa_52, Lego_50, Lizalica_50, London_49, MissSwiss_53, Mudpuppy_47, Niobe_49, Nitro_52, PandaPo_53, Pixelle_53, Powerpuff_53, Reedo_50, Schaffner_50, Simpson_53, Skelbel_50, Soondubu_47, Subaru_50, Tallboi_50, Tbone_51, TforTroy_51, Tian_51, Tuck_54, Turab_48, Tutumahutu_52, Warda_51, Wildwest_50, Yang_50, YesChef_51,

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

Genes that do not have the "Most Annotated" start:
• Snek_52, Tweety19_53,

Summary by start number:

Start 9:
• Found in 53 of 55 (96.4%) of genes in pham
• Manual Annotations of this start: 39 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_47 (AZ1), AGrandiflora_53 (AZ1), Adolin_54 (AZ1), Adumb2043_48 (AZ1), AinMach_49 (AZ7), Amploria_49 (AZ1), Amyev_52 (AZ1), Asa16_49 (AZ1), Ascela_52 (AZ1), Berrie_52 (AZ1), Community_54 (AZ1), Cyan_51 (AZ1), DrManhattan_53 (AZ1), DrSierra_49 (AZ1), Elezi_49 (AZ1), Eraser_49 (AZ1), Exile_45 (AZ6), Flutur_50 (AZ), Iter_52 (AZ1), IttyBittyPiggy_51 (AZ1), Janeemi_53 (AZ1), Joemato_51 (AZ1), JohnDoe_51 (AZ1), Jstan_51 (AZ1), JuneStar_52 (AZ1), Kaylissa_52 (AZ1), Lego_50 (AZ1), Lizalica_50 (AZ1), London_49 (AZ1), MissSwiss_53 (AZ1), Mudpuppy_47 (AZ1), Niobe_49 (AZ1), Nitro_52 (AZ1), PandaPo_53 (AZ1), Pixelle_53 (AZ1), Powerpuff_53 (AZ1), Reedo_50 (AZ1), Schaffner_50 (AZ1), Simpson_53 (AZ1), Skelbel_50 (AZ1), Soondubu_47 (AZ6), Subaru_50 (AZ1), Tallboi_50 (AZ1), Tbone_51 (AZ1), TforTroy_51 (AZ1), Tian_51 (AZ1), Tuck_54 (AZ1), Turab_48 (AZ1), Tutumahutu_52 (AZ1), Warda_51 (AZ1), Wildwest_50 (AZ1), Yang_50 (AZ1), YesChef_51 (AZ1),

Start 10:
• Found in 2 of 55 (3.6%) of genes in pham
• Manual Annotations of this start: 2 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_52 (AZ3), Tweety19_53 (AZ3),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, AZ3, AZ6, AZ, AZ7,

Info for manual annotations of cluster AZ1:
•Start number 9 was manually annotated 38 times for cluster AZ1.

Info for manual annotations of cluster AZ3:
•Start number 10 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ6:
•Start number 9 was manually annotated 1 time for cluster AZ6.

Gene Information:

Gene: AEgle_47 Start: 36062, Stop: 36316, Start Num: 9
Candidate Starts for AEgle_47:
(8, 36029), (Start: 9 @36062 has 39 MA's),

Gene: AGrandiflora_53 Start: 37369, Stop: 37653, Start Num: 9
Candidate Starts for AGrandiflora_53:
(8, 37336), (Start: 9 @37369 has 39 MA's),

Gene: Adolin_54 Start: 36438, Stop: 36752, Start Num: 9
Candidate Starts for Adolin_54:
(3, 36312), (6, 36369), (Start: 9 @36438 has 39 MA's), (15, 36525), (18, 36636),

Gene: Adumb2043_48 Start: 36083, Stop: 36337, Start Num: 9
Candidate Starts for Adumb2043_48:
(8, 36050), (Start: 9 @36083 has 39 MA's),

Gene: AinMach_49 Start: 36352, Stop: 36591, Start Num: 9
Candidate Starts for AinMach_49:
(2, 36199), (6, 36283), (Start: 9 @36352 has 39 MA's), (11, 36361), (13, 36409), (16, 36460), (17, 36493),

Gene: Amploria_49 Start: 36266, Stop: 36520, Start Num: 9
Candidate Starts for Amploria_49:
(8, 36233), (Start: 9 @36266 has 39 MA's),

Gene: Amyev_52 Start: 39535, Stop: 39798, Start Num: 9
Candidate Starts for Amyev_52:
(Start: 9 @39535 has 39 MA's),

Gene: Asa16_49 Start: 37619, Stop: 37879, Start Num: 9
Candidate Starts for Asa16_49:
(Start: 9 @37619 has 39 MA's),

Gene: Ascela_52 Start: 37685, Stop: 37954, Start Num: 9
Candidate Starts for Ascela_52:
(8, 37652), (Start: 9 @37685 has 39 MA's),

Gene: Berrie_52 Start: 37779, Stop: 38051, Start Num: 9
Candidate Starts for Berrie_52:
(Start: 9 @37779 has 39 MA's),

Gene: Community_54 Start: 39171, Stop: 39443, Start Num: 9
Candidate Starts for Community_54:
(Start: 9 @39171 has 39 MA's),

Gene: Cyan_51 Start: 36938, Stop: 37210, Start Num: 9
Candidate Starts for Cyan_51:
(8, 36905), (Start: 9 @36938 has 39 MA's),

Gene: DrManhattan_53 Start: 36006, Stop: 36320, Start Num: 9
Candidate Starts for DrManhattan_53:
(6, 35937), (Start: 9 @36006 has 39 MA's), (15, 36093), (18, 36204),

Gene: DrSierra_49 Start: 35765, Stop: 36037, Start Num: 9
Candidate Starts for DrSierra_49:
(Start: 9 @35765 has 39 MA's),

Gene: Elezi_49 Start: 37617, Stop: 37877, Start Num: 9
Candidate Starts for Elezi_49:
(Start: 9 @37617 has 39 MA's),

Gene: Eraser_49 Start: 37626, Stop: 37886, Start Num: 9
Candidate Starts for Eraser_49:
(Start: 9 @37626 has 39 MA's),

Gene: Exile_45 Start: 38999, Stop: 39256, Start Num: 9
Candidate Starts for Exile_45:
(Start: 9 @38999 has 39 MA's), (12, 39011),

Gene: Flutur_50 Start: 37235, Stop: 37519, Start Num: 9
Candidate Starts for Flutur_50:
(8, 37202), (Start: 9 @37235 has 39 MA's),

Gene: Iter_52 Start: 37677, Stop: 37946, Start Num: 9
Candidate Starts for Iter_52:
(8, 37644), (Start: 9 @37677 has 39 MA's),

Gene: IttyBittyPiggy_51 Start: 36368, Stop: 36658, Start Num: 9
Candidate Starts for IttyBittyPiggy_51:
(Start: 9 @36368 has 39 MA's),

Gene: Janeemi_53 Start: 38635, Stop: 38907, Start Num: 9
Candidate Starts for Janeemi_53:
(5, 38518), (7, 38599), (Start: 9 @38635 has 39 MA's),

Gene: Joemato_51 Start: 37006, Stop: 37290, Start Num: 9
Candidate Starts for Joemato_51:
(8, 36973), (Start: 9 @37006 has 39 MA's),

Gene: JohnDoe_51 Start: 37002, Stop: 37274, Start Num: 9
Candidate Starts for JohnDoe_51:
(8, 36969), (Start: 9 @37002 has 39 MA's),

Gene: Jstan_51 Start: 37621, Stop: 37881, Start Num: 9
Candidate Starts for Jstan_51:
(Start: 9 @37621 has 39 MA's),

Gene: JuneStar_52 Start: 39731, Stop: 40000, Start Num: 9
Candidate Starts for JuneStar_52:
(1, 39578), (8, 39698), (Start: 9 @39731 has 39 MA's),

Gene: Kaylissa_52 Start: 37385, Stop: 37669, Start Num: 9
Candidate Starts for Kaylissa_52:
(8, 37352), (Start: 9 @37385 has 39 MA's),

Gene: Lego_50 Start: 36705, Stop: 36989, Start Num: 9
Candidate Starts for Lego_50:
(8, 36672), (Start: 9 @36705 has 39 MA's),

Gene: Lizalica_50 Start: 36462, Stop: 36734, Start Num: 9
Candidate Starts for Lizalica_50:
(8, 36429), (Start: 9 @36462 has 39 MA's),

Gene: London_49 Start: 37617, Stop: 37877, Start Num: 9
Candidate Starts for London_49:
(Start: 9 @37617 has 39 MA's),

Gene: MissSwiss_53 Start: 36235, Stop: 36483, Start Num: 9
Candidate Starts for MissSwiss_53:
(Start: 9 @36235 has 39 MA's),

Gene: Mudpuppy_47 Start: 36646, Stop: 36918, Start Num: 9
Candidate Starts for Mudpuppy_47:
(8, 36613), (Start: 9 @36646 has 39 MA's),

Gene: Niobe_49 Start: 37620, Stop: 37880, Start Num: 9
Candidate Starts for Niobe_49:
(Start: 9 @37620 has 39 MA's),

Gene: Nitro_52 Start: 38740, Stop: 38985, Start Num: 9
Candidate Starts for Nitro_52:
(8, 38707), (Start: 9 @38740 has 39 MA's),

Gene: PandaPo_53 Start: 36243, Stop: 36491, Start Num: 9
Candidate Starts for PandaPo_53:
(Start: 9 @36243 has 39 MA's),

Gene: Pixelle_53 Start: 39880, Stop: 40143, Start Num: 9
Candidate Starts for Pixelle_53:
(Start: 9 @39880 has 39 MA's),

Gene: Powerpuff_53 Start: 38092, Stop: 38376, Start Num: 9
Candidate Starts for Powerpuff_53:
(8, 38059), (Start: 9 @38092 has 39 MA's),

Gene: Reedo_50 Start: 35488, Stop: 35727, Start Num: 9
Candidate Starts for Reedo_50:
(8, 35455), (Start: 9 @35488 has 39 MA's),

Gene: Schaffner_50 Start: 37408, Stop: 37677, Start Num: 9
Candidate Starts for Schaffner_50:
(8, 37375), (Start: 9 @37408 has 39 MA's),

Gene: Simpson_53 Start: 37010, Stop: 37294, Start Num: 9

Candidate Starts for Simpson_53:
(8, 36977), (Start: 9 @37010 has 39 MA's),

Gene: Skelbel_50 Start: 37620, Stop: 37880, Start Num: 9
Candidate Starts for Skelbel_50:
(Start: 9 @37620 has 39 MA's),

Gene: Snek_52 Start: 36382, Stop: 36615, Start Num: 10
Candidate Starts for Snek_52:
(Start: 10 @36382 has 2 MA's),

Gene: Soondubu_47 Start: 39482, Stop: 39739, Start Num: 9
Candidate Starts for Soondubu_47:
(Start: 9 @39482 has 39 MA's), (12, 39494), (14, 39539),

Gene: Subaru_50 Start: 37617, Stop: 37877, Start Num: 9
Candidate Starts for Subaru_50:
(Start: 9 @37617 has 39 MA's),

Gene: Tallboi_50 Start: 37975, Stop: 38235, Start Num: 9
Candidate Starts for Tallboi_50:
(4, 37849), (6, 37906), (Start: 9 @37975 has 39 MA's),

Gene: Tbone_51 Start: 37543, Stop: 37860, Start Num: 9
Candidate Starts for Tbone_51:
(8, 37510), (Start: 9 @37543 has 39 MA's), (19, 37813), (20, 37834),

Gene: TforTroy_51 Start: 37334, Stop: 37600, Start Num: 9
Candidate Starts for TforTroy_51:
(Start: 9 @37334 has 39 MA's),

Gene: Tian_51 Start: 39535, Stop: 39798, Start Num: 9
Candidate Starts for Tian_51:
(Start: 9 @39535 has 39 MA's),

Gene: Tuck_54 Start: 39079, Stop: 39351, Start Num: 9
Candidate Starts for Tuck_54:
(Start: 9 @39079 has 39 MA's),

Gene: Turab_48 Start: 36106, Stop: 36360, Start Num: 9
Candidate Starts for Turab_48:
(8, 36073), (Start: 9 @36106 has 39 MA's),

Gene: Tutumahutu_52 Start: 36975, Stop: 37247, Start Num: 9
Candidate Starts for Tutumahutu_52:
(8, 36942), (Start: 9 @36975 has 39 MA's),

Gene: Tweety19_53 Start: 36382, Stop: 36615, Start Num: 10
Candidate Starts for Tweety19_53:
(Start: 10 @36382 has 2 MA's),

Gene: Warda_51 Start: 37041, Stop: 37358, Start Num: 9
Candidate Starts for Warda_51:

(8, 37008), (Start: 9 @37041 has 39 MA's), (19, 37311), (20, 37332),

Gene: Wildwest_50 Start: 37020, Stop: 37292, Start Num: 9
Candidate Starts for Wildwest_50:
(Start: 9 @37020 has 39 MA's),

Gene: Yang_50 Start: 37140, Stop: 37409, Start Num: 9
Candidate Starts for Yang_50:
(1, 36987), (8, 37107), (Start: 9 @37140 has 39 MA's),

Gene: YesChef_51 Start: 36951, Stop: 37235, Start Num: 9
Candidate Starts for YesChef_51:
(8, 36918), (Start: 9 @36951 has 39 MA's),