Pham 336686


1: Flutur_38 + 15
2: ThursdayNight_43
3: Sue2_40
4: Adolin_38 + 2
5: Cassia_38
6: Yang_39 + 1
7: Tallboi_39
8: DrSierra_37
9: Nitro_39
10: Adumb2043_37 + 3
11: Community_42 + 1
12: Tian_38 + 2
13: Pumpkins_38
14: Elezi_38 + 7
15: JuneStar_40
16: PandaPo_39 + 1
17: KeAlii_38
18: TforTroy_40
19: Tuck_43
20: IttyBittyPiggy_39
21: Crewmate_44 + 1
22: Berrie_41
23: VResidence_39
24: Wildwest_38
25: Janeemi_42
26: IUFootball_41 + 3
27: Snek_38 + 1
28: FiveHead_47 + 3
29: JasmineDragon_43 + 4
30: Emotion_44
31: Soondubu_36

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 336686 Report

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

Pham number 336686 has 75 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Flutur_38, Lizalica_37, Lego_39, Joemato_39, Warda_39, Ascela_40, Powerpuff_41, JohnDoe_39, Cyan_39, Simpson_41, Kaylissa_39, Iter_40, Tutumahutu_39, AGrandiflora_39, YesChef_39, Tbone_38
• Track 2 : ThursdayNight_43
• Track 3 : Sue2_40
• Track 4 : Adolin_38, Reedo_38, DrManhattan_38
• Track 5 : Cassia_38
• Track 6 : Yang_39, Schaffner_39
• Track 7 : Tallboi_39
• Track 8 : DrSierra_37
• Track 9 : Nitro_39
• Track 10 : Adumb2043_37, Amploria_38, AEgle_36, Turab_36
• Track 11 : Community_42, Phives_42
• Track 12 : Tian_38, Pixelle_39, Amyev_38
• Track 13 : Pumpkins_38
• Track 14 : Elezi_38, Subaru_38, Niobe_38, Skelbel_39, Asa16_38, London_38, Eraser_38, Jstan_40
• Track 15 : JuneStar_40
• Track 16 : PandaPo_39, MissSwiss_39
• Track 17 : KeAlii_38
• Track 18 : TforTroy_40
• Track 19 : Tuck_43
• Track 20 : IttyBittyPiggy_39
• Track 21 : Crewmate_44, ObiToo_44
• Track 22 : Berrie_41
• Track 23 : VResidence_39
• Track 24 : Wildwest_38
• Track 25 : Janeemi_42
• Track 26 : IUFootball_41, Liebe_41, MaGuCo_39, Maureen_41
• Track 27 : Snek_38, Tweety19_38
• Track 28 : FiveHead_47, JohnThicc_43, LadyAstra_44, Origami_43
• Track 29 : JasmineDragon_43, VroomVroom_43, ShakeItOph_43, AceofSpades_44, MiniMommy_44
• Track 30 : Emotion_44
• Track 31 : Soondubu_36

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 25 of the 64 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_36, Adolin_38, Adumb2043_37, Amploria_38, Cassia_38, Crewmate_44, DrManhattan_38, IUFootball_41, IttyBittyPiggy_39, JuneStar_40, KeAlii_38, Liebe_41, MaGuCo_39, Maureen_41, MissSwiss_39, Nitro_39, ObiToo_44, PandaPo_39, Pumpkins_38, Reedo_38, Schaffner_39, Sue2_40, TforTroy_40, ThursdayNight_43, Turab_36, VResidence_39, Yang_39,

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

Genes that do not have the "Most Annotated" start:
• AGrandiflora_39, AceofSpades_44, Amyev_38, Asa16_38, Ascela_40, Berrie_41, Community_42, Cyan_39, DrSierra_37, Elezi_38, Emotion_44, Eraser_38, FiveHead_47, Flutur_38, Iter_40, Janeemi_42, JasmineDragon_43, Joemato_39, JohnDoe_39, JohnThicc_43, Jstan_40, Kaylissa_39, LadyAstra_44, Lego_39, Lizalica_37, London_38, MiniMommy_44, Niobe_38, Origami_43, Phives_42, Pixelle_39, Powerpuff_41, ShakeItOph_43, Simpson_41, Skelbel_39, Snek_38, Soondubu_36, Subaru_38, Tallboi_39, Tbone_38, Tian_38, Tuck_43, Tutumahutu_39, Tweety19_38, VroomVroom_43, Warda_39, Wildwest_38, YesChef_39,

Summary by start number:

Start 8:
• Found in 21 of 75 (28.0%) of genes in pham
• Manual Annotations of this start: 17 of 64
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AGrandiflora_39 (AZ1), Ascela_40 (AZ1), Berrie_41 (AZ1), Community_42 (AZ1), Cyan_39 (AZ1), Flutur_38 (AZ), Iter_40 (AZ1), Janeemi_42 (AZ1), Joemato_39 (AZ1), JohnDoe_39 (AZ1), Kaylissa_39 (AZ1), Lego_39 (AZ1), Lizalica_37 (AZ1), Phives_42 (AZ1), Powerpuff_41 (AZ1), Simpson_41 (AZ1), Tbone_38 (AZ1), Tuck_43 (AZ1), Tutumahutu_39 (AZ1), Warda_39 (AZ1), YesChef_39 (AZ1),

Start 9:
• Found in 4 of 75 (5.3%) of genes in pham
• Manual Annotations of this start: 4 of 64
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DrSierra_37 (AZ1), Snek_38 (AZ3), Tweety19_38 (AZ3), Wildwest_38 (AZ1),

Start 10:
• Found in 22 of 75 (29.3%) of genes in pham
• Manual Annotations of this start: 17 of 64
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AceofSpades_44 (AZ4), Amyev_38 (AZ1), Asa16_38 (AZ1), Elezi_38 (AZ1), Emotion_44 (AZ4), Eraser_38 (AZ1),

FiveHead_47 (AZ4), JasmineDragon_43 (AZ4), JohnThicc_43 (AZ4), Jstan_40 (AZ1), LadyAstra_44 (AZ4), London_38 (AZ1), MiniMommy_44 (AZ4), Niobe_38 (AZ1), Origami_43 (AZ4), Pixelle_39 (AZ1), ShakeItOph_43 (AZ4), Skelbel_39 (AZ1), Subaru_38 (AZ1), Tallboi_39 (AZ1), Tian_38 (AZ1), VroomVroom_43 (AZ4),

Start 11:
• Found in 27 of 75 (36.0%) of genes in pham
• Manual Annotations of this start: 25 of 64
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_36 (AZ1), Adolin_38 (AZ1), Adumb2043_37 (AZ1), Amploria_38 (AZ1), Cassia_38 (AZ1), Crewmate_44 (AZ1), DrManhattan_38 (AZ1), IUFootball_41 (AZ2), IttyBittyPiggy_39 (AZ1), JuneStar_40 (AZ1), KeAlii_38 (AZ1), Liebe_41 (AZ2), MaGuCo_39 (AZ2), Maureen_41 (AZ2), MissSwiss_39 (AZ1), Nitro_39 (AZ1), ObiToo_44 (AZ1), PandaPo_39 (AZ1), Pumpkins_38 (AZ1), Reedo_38 (AZ1), Schaffner_39 (AZ1), Sue2_40 (AZ1), TforTroy_40 (AZ1), ThursdayNight_43 (AZ), Turab_36 (AZ1), VResidence_39 (AZ1), Yang_39 (AZ1),

Start 12:
• Found in 2 of 75 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 64
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Soondubu_36 (AZ6),

Summary by clusters:

There are 6 clusters represented in this pham: AZ3, AZ1, AZ2, AZ, AZ4, AZ6,

Info for manual annotations of cluster AZ:
•Start number 11 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 8 was manually annotated 17 times for cluster AZ1.
•Start number 9 was manually annotated 2 times for cluster AZ1.
•Start number 10 was manually annotated 9 times for cluster AZ1.
•Start number 11 was manually annotated 20 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 11 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 9 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:
•Start number 10 was manually annotated 8 times for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 12 was manually annotated 1 time for cluster AZ6.

Gene Information:

Gene: AEgle_36 Start: 28511, Stop: 28621, Start Num: 11
Candidate Starts for AEgle_36:
(Start: 11 @28511 has 25 MA's),

Gene: AGrandiflora_39 Start: 29152, Stop: 29268, Start Num: 8
Candidate Starts for AGrandiflora_39:
(Start: 8 @29152 has 17 MA's),

Gene: AceofSpades_44 Start: 30274, Stop: 30393, Start Num: 10
Candidate Starts for AceofSpades_44:
(Start: 10 @30274 has 17 MA's), (17, 30382),

Gene: Adolin_38 Start: 27364, Stop: 27474, Start Num: 11
Candidate Starts for Adolin_38:
(Start: 11 @27364 has 25 MA's),

Gene: Adumb2043_37 Start: 28530, Stop: 28640, Start Num: 11
Candidate Starts for Adumb2043_37:
(Start: 11 @28530 has 25 MA's),

Gene: Amploria_38 Start: 28713, Stop: 28823, Start Num: 11
Candidate Starts for Amploria_38:
(Start: 11 @28713 has 25 MA's),

Gene: Amyev_38 Start: 30032, Stop: 30145, Start Num: 10
Candidate Starts for Amyev_38:
(Start: 10 @30032 has 17 MA's),

Gene: Asa16_38 Start: 30077, Stop: 30190, Start Num: 10
Candidate Starts for Asa16_38:
(Start: 10 @30077 has 17 MA's),

Gene: Ascela_40 Start: 29276, Stop: 29392, Start Num: 8
Candidate Starts for Ascela_40:
(Start: 8 @29276 has 17 MA's),

Gene: Berrie_41 Start: 30225, Stop: 30341, Start Num: 8
Candidate Starts for Berrie_41:
(6, 30072), (Start: 8 @30225 has 17 MA's),

Gene: Cassia_38 Start: 28918, Stop: 29028, Start Num: 11
Candidate Starts for Cassia_38:
(Start: 11 @28918 has 25 MA's),

Gene: Community_42 Start: 31006, Stop: 31122, Start Num: 8
Candidate Starts for Community_42:
(1, 30322), (2, 30346), (3, 30505), (4, 30775), (6, 30856), (Start: 8 @31006 has 17 MA's),

Gene: Crewmate_44 Start: 29588, Stop: 29698, Start Num: 11
Candidate Starts for Crewmate_44:
(Start: 11 @29588 has 25 MA's), (16, 29654),

Gene: Cyan_39 Start: 29207, Stop: 29323, Start Num: 8

Candidate Starts for Cyan_39:
(Start: 8 @29207 has 17 MA's),

Gene: DrManhattan_38 Start: 27354, Stop: 27464, Start Num: 11
Candidate Starts for DrManhattan_38:
(Start: 11 @27354 has 25 MA's),

Gene: DrSierra_37 Start: 27313, Stop: 27426, Start Num: 9
Candidate Starts for DrSierra_37:
(Start: 9 @27313 has 4 MA's), (14, 27364),

Gene: Elezi_38 Start: 30093, Stop: 30206, Start Num: 10
Candidate Starts for Elezi_38:
(Start: 10 @30093 has 17 MA's),

Gene: Emotion_44 Start: 30851, Stop: 30973, Start Num: 10
Candidate Starts for Emotion_44:
(7, 30776), (Start: 10 @30851 has 17 MA's),

Gene: Eraser_38 Start: 30084, Stop: 30197, Start Num: 10
Candidate Starts for Eraser_38:
(Start: 10 @30084 has 17 MA's),

Gene: FiveHead_47 Start: 30129, Stop: 30248, Start Num: 10
Candidate Starts for FiveHead_47:
(Start: 10 @30129 has 17 MA's), (14, 30180), (17, 30237),

Gene: Flutur_38 Start: 29465, Stop: 29581, Start Num: 8
Candidate Starts for Flutur_38:
(Start: 8 @29465 has 17 MA's),

Gene: IUFootball_41 Start: 31035, Stop: 31145, Start Num: 11
Candidate Starts for IUFootball_41:
(Start: 11 @31035 has 25 MA's), (15, 31092),

Gene: Iter_40 Start: 29273, Stop: 29389, Start Num: 8
Candidate Starts for Iter_40:
(Start: 8 @29273 has 17 MA's),

Gene: IttyBittyPiggy_39 Start: 28689, Stop: 28799, Start Num: 11
Candidate Starts for IttyBittyPiggy_39:
(Start: 11 @28689 has 25 MA's),

Gene: Janeemi_42 Start: 30994, Stop: 31110, Start Num: 8
Candidate Starts for Janeemi_42:
(Start: 8 @30994 has 17 MA's),

Gene: JasmineDragon_43 Start: 30010, Stop: 30129, Start Num: 10
Candidate Starts for JasmineDragon_43:
(Start: 10 @30010 has 17 MA's), (17, 30118),

Gene: Joemato_39 Start: 29238, Stop: 29354, Start Num: 8
Candidate Starts for Joemato_39:

(Start: 8 @29238 has 17 MA's),

Gene: JohnDoe_39 Start: 29230, Stop: 29346, Start Num: 8
Candidate Starts for JohnDoe_39:
(Start: 8 @29230 has 17 MA's),

Gene: JohnThicc_43 Start: 30129, Stop: 30248, Start Num: 10
Candidate Starts for JohnThicc_43:
(Start: 10 @30129 has 17 MA's), (14, 30180), (17, 30237),

Gene: Jstan_40 Start: 30078, Stop: 30191, Start Num: 10
Candidate Starts for Jstan_40:
(Start: 10 @30078 has 17 MA's),

Gene: JuneStar_40 Start: 30816, Stop: 30926, Start Num: 11
Candidate Starts for JuneStar_40:
(Start: 11 @30816 has 25 MA's), (15, 30873),

Gene: Kaylissa_39 Start: 29173, Stop: 29289, Start Num: 8
Candidate Starts for Kaylissa_39:
(Start: 8 @29173 has 17 MA's),

Gene: KeAlii_38 Start: 29207, Stop: 29317, Start Num: 11
Candidate Starts for KeAlii_38:
(Start: 11 @29207 has 25 MA's), (Start: 12 @29213 has 1 MA's),

Gene: LadyAstra_44 Start: 30229, Stop: 30348, Start Num: 10
Candidate Starts for LadyAstra_44:
(Start: 10 @30229 has 17 MA's), (14, 30280), (17, 30337),

Gene: Lego_39 Start: 29119, Stop: 29235, Start Num: 8
Candidate Starts for Lego_39:
(Start: 8 @29119 has 17 MA's),

Gene: Liebe_41 Start: 31035, Stop: 31145, Start Num: 11
Candidate Starts for Liebe_41:
(Start: 11 @31035 has 25 MA's), (15, 31092),

Gene: Lizalica_37 Start: 28316, Stop: 28432, Start Num: 8
Candidate Starts for Lizalica_37:
(Start: 8 @28316 has 17 MA's),

Gene: London_38 Start: 30093, Stop: 30206, Start Num: 10
Candidate Starts for London_38:
(Start: 10 @30093 has 17 MA's),

Gene: MaGuCo_39 Start: 29663, Stop: 29773, Start Num: 11
Candidate Starts for MaGuCo_39:
(Start: 11 @29663 has 25 MA's), (15, 29720),

Gene: Maureen_41 Start: 31035, Stop: 31145, Start Num: 11
Candidate Starts for Maureen_41:
(Start: 11 @31035 has 25 MA's), (15, 31092),

Gene: MiniMommy_44 Start: 30011, Stop: 30130, Start Num: 10
Candidate Starts for MiniMommy_44:
(Start: 10 @30011 has 17 MA's), (17, 30119),

Gene: MissSwiss_39 Start: 27861, Stop: 27974, Start Num: 11
Candidate Starts for MissSwiss_39:
(Start: 11 @27861 has 25 MA's),

Gene: Niobe_38 Start: 30078, Stop: 30191, Start Num: 10
Candidate Starts for Niobe_38:
(Start: 10 @30078 has 17 MA's),

Gene: Nitro_39 Start: 29899, Stop: 30009, Start Num: 11
Candidate Starts for Nitro_39:
(Start: 11 @29899 has 25 MA's),

Gene: ObiToo_44 Start: 30029, Stop: 30139, Start Num: 11
Candidate Starts for ObiToo_44:
(Start: 11 @30029 has 25 MA's), (16, 30095),

Gene: Origami_43 Start: 30021, Stop: 30140, Start Num: 10
Candidate Starts for Origami_43:
(Start: 10 @30021 has 17 MA's), (14, 30072), (17, 30129),

Gene: PandaPo_39 Start: 27867, Stop: 27980, Start Num: 11
Candidate Starts for PandaPo_39:
(Start: 11 @27867 has 25 MA's),

Gene: Phives_42 Start: 30834, Stop: 30950, Start Num: 8
Candidate Starts for Phives_42:
(1, 30150), (2, 30174), (3, 30333), (4, 30603), (6, 30684), (Start: 8 @30834 has 17 MA's),

Gene: Pixelle_39 Start: 30054, Stop: 30167, Start Num: 10
Candidate Starts for Pixelle_39:
(Start: 10 @30054 has 17 MA's),

Gene: Powerpuff_41 Start: 30322, Stop: 30438, Start Num: 8
Candidate Starts for Powerpuff_41:
(Start: 8 @30322 has 17 MA's),

Gene: Pumpkins_38 Start: 29378, Stop: 29488, Start Num: 11
Candidate Starts for Pumpkins_38:
(5, 29201), (Start: 11 @29378 has 25 MA's),

Gene: Reedo_38 Start: 27445, Stop: 27555, Start Num: 11
Candidate Starts for Reedo_38:
(Start: 11 @27445 has 25 MA's),

Gene: Schaffner_39 Start: 29611, Stop: 29721, Start Num: 11
Candidate Starts for Schaffner_39:
(Start: 11 @29611 has 25 MA's),

Gene: ShakeItOph_43 Start: 30010, Stop: 30129, Start Num: 10
Candidate Starts for ShakeItOph_43:
(Start: 10 @30010 has 17 MA's), (17, 30118),

Gene: Simpson_41 Start: 29238, Stop: 29354, Start Num: 8
Candidate Starts for Simpson_41:
(Start: 8 @29238 has 17 MA's),

Gene: Skelbel_39 Start: 30078, Stop: 30191, Start Num: 10
Candidate Starts for Skelbel_39:
(Start: 10 @30078 has 17 MA's),

Gene: Snek_38 Start: 27749, Stop: 27862, Start Num: 9
Candidate Starts for Snek_38:
(Start: 9 @27749 has 4 MA's),

Gene: Soondubu_36 Start: 30664, Stop: 30771, Start Num: 12
Candidate Starts for Soondubu_36:
(Start: 12 @30664 has 1 MA's),

Gene: Subaru_38 Start: 30093, Stop: 30206, Start Num: 10
Candidate Starts for Subaru_38:
(Start: 10 @30093 has 17 MA's),

Gene: Sue2_40 Start: 29761, Stop: 29871, Start Num: 11
Candidate Starts for Sue2_40:
(Start: 11 @29761 has 25 MA's),

Gene: Tallboi_39 Start: 30267, Stop: 30380, Start Num: 10
Candidate Starts for Tallboi_39:
(Start: 10 @30267 has 17 MA's), (13, 30288),

Gene: Tbone_38 Start: 29033, Stop: 29149, Start Num: 8
Candidate Starts for Tbone_38:
(Start: 8 @29033 has 17 MA's),

Gene: TforTroy_40 Start: 29241, Stop: 29351, Start Num: 11
Candidate Starts for TforTroy_40:
(Start: 11 @29241 has 25 MA's), (13, 29259),

Gene: ThursdayNight_43 Start: 30130, Stop: 30243, Start Num: 11
Candidate Starts for ThursdayNight_43:
(Start: 11 @30130 has 25 MA's),

Gene: Tian_38 Start: 30032, Stop: 30145, Start Num: 10
Candidate Starts for Tian_38:
(Start: 10 @30032 has 17 MA's),

Gene: Tuck_43 Start: 31386, Stop: 31502, Start Num: 8
Candidate Starts for Tuck_43:
(4, 31155), (6, 31236), (Start: 8 @31386 has 17 MA's),

Gene: Turab_36 Start: 28530, Stop: 28640, Start Num: 11

Candidate Starts for Turab_36:
(Start: 11 @28530 has 25 MA's),

Gene: Tutumahutu_39 Start: 29204, Stop: 29320, Start Num: 8
Candidate Starts for Tutumahutu_39:
(Start: 8 @29204 has 17 MA's),

Gene: Tweety19_38 Start: 27749, Stop: 27862, Start Num: 9
Candidate Starts for Tweety19_38:
(Start: 9 @27749 has 4 MA's),

Gene: VResidence_39 Start: 28676, Stop: 28786, Start Num: 11
Candidate Starts for VResidence_39:
(Start: 11 @28676 has 25 MA's),

Gene: VroomVroom_43 Start: 30137, Stop: 30256, Start Num: 10
Candidate Starts for VroomVroom_43:
(Start: 10 @30137 has 17 MA's), (17, 30245),

Gene: Warda_39 Start: 29209, Stop: 29325, Start Num: 8
Candidate Starts for Warda_39:
(Start: 8 @29209 has 17 MA's),

Gene: Wildwest_38 Start: 28648, Stop: 28761, Start Num: 9
Candidate Starts for Wildwest_38:
(Start: 9 @28648 has 4 MA's),

Gene: Yang_39 Start: 28730, Stop: 28840, Start Num: 11
Candidate Starts for Yang_39:
(Start: 11 @28730 has 25 MA's),

Gene: YesChef_39 Start: 29181, Stop: 29297, Start Num: 8
Candidate Starts for YesChef_39:
(Start: 8 @29181 has 17 MA's),