Pham 347671


1: Schaffner_9 + 5
2: JohnDoe_9 + 10
3: Elezi_9 + 11
4: Pixelle_9 + 4
5: Warda_9 + 10
6: IttyBittyPiggy_9
7: KeAlii_9
8: Sue2_9
9: VResidence_9
10: Reedo_9
11: Janeemi_10
12: TforTroy_9
13: DrSierra_9
14: Wildwest_10
15: Tweety19_9 + 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 347671 Report

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

Pham number 347671 has 56 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Schaffner_9, ObiToo_9, JuneStar_9, Cassia_9, Yang_9, Pumpkins_9
• Track 2 : JohnDoe_9, Cyan_9, Amploria_9, AEgle_9, Tallboi_9, Kaylissa_9, Turab_9, Simpson_9, Adumb2043_9, Lizalica_9, Joemato_9
• Track 3 : Elezi_9, Eraser_9, Asa16_9, Nitro_9, Ascela_9, Subaru_9, Berrie_9, London_9, Skelbel_9, Jstan_9, Niobe_9, Iter_9
• Track 4 : Pixelle_9, Amyev_9, Community_10, Tian_9, Phives_10
• Track 5 : Warda_9, Powerpuff_9, Lego_9, Flutur_9, Crewmate_10, Tutumahutu_9, Tuck_10, Mudpuppy_9, AGrandiflora_9, Tbone_9, YesChef_9
• Track 6 : IttyBittyPiggy_9
• Track 7 : KeAlii_9
• Track 8 : Sue2_9
• Track 9 : VResidence_9
• Track 10 : Reedo_9
• Track 11 : Janeemi_10
• Track 12 : TforTroy_9
• Track 13 : DrSierra_9
• Track 14 : Wildwest_10
• Track 15 : Tweety19_9, Snek_9

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 43 of the 48 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AEgle_9, AGrandiflora_9, Adumb2043_9, Amploria_9, Amyev_9, Asa16_9, Ascela_9, Berrie_9, Cassia_9, Community_10, Crewmate_10, Cyan_9, DrSierra_9, Elezi_9, Eraser_9, Flutur_9, Iter_9, IttyBittyPiggy_9, Janeemi_10, Joemato_9, JohnDoe_9, Jstan_9, JuneStar_9, Kaylissa_9, Lego_9, Lizalica_9, London_9, Mudpuppy_9, Niobe_9, Nitro_9, ObiToo_9, Phives_10, Pixelle_9, Powerpuff_9, Pumpkins_9, Schaffner_9, Simpson_9, Skelbel_9, Subaru_9, Tallboi_9, Tbone_9, TforTroy_9, Tian_9, Tuck_10, Turab_9, Tutumahutu_9, VResidence_9, Warda_9, Wildwest_10, Yang_9, YesChef_9,

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

Genes that do not have the "Most Annotated" start:
• KeAlii_9, Reedo_9, Snek_9, Sue2_9, Tweety19_9,

Summary by start number:

Start 1:
• Found in 1 of 56 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_9 (AZ1),

Start 2:
• Found in 2 of 56 (3.6%) of genes in pham
• Manual Annotations of this start: 2 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KeAlii_9 (AZ1), Reedo_9 (AZ1),

Start 3:
• Found in 51 of 56 (91.1%) of genes in pham
• Manual Annotations of this start: 43 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AEgle_9 (AZ1), AGrandiflora_9 (AZ1), Adumb2043_9 (AZ1), Amploria_9 (AZ1), Amyev_9 (AZ1), Asa16_9 (AZ1), Ascela_9 (AZ1), Berrie_9 (AZ1), Cassia_9 (AZ1), Community_10 (AZ1), Crewmate_10 (AZ1), Cyan_9 (AZ1), DrSierra_9 (AZ1), Elezi_9 (AZ1), Eraser_9 (AZ1), Flutur_9 (AZ), Iter_9 (AZ1), IttyBittyPiggy_9 (AZ1), Janeemi_10 (AZ1), Joemato_9 (AZ1), JohnDoe_9 (AZ1), Jstan_9 (AZ1), JuneStar_9 (AZ1), Kaylissa_9 (AZ1), Lego_9 (AZ1), Lizalica_9 (AZ1), London_9 (AZ1), Mudpuppy_9 (AZ1), Niobe_9 (AZ1), Nitro_9 (AZ1), ObiToo_9 (AZ1), Phives_10 (AZ1), Pixelle_9 (AZ1), Powerpuff_9 (AZ1), Pumpkins_9 (AZ1), Schaffner_9 (AZ1), Simpson_9 (AZ1), Skelbel_9 (AZ1), Subaru_9 (AZ1), Tallboi_9 (AZ1), Tbone_9 (AZ1), TforTroy_9 (AZ1), Tian_9 (AZ1), Tuck_10 (AZ1), Turab_9 (AZ1), Tutumahutu_9 (AZ1), VResidence_9 (AZ1), Warda_9 (AZ1), Wildwest_10 (AZ1), Yang_9 (AZ1), YesChef_9 (AZ1),

Start 4:
• Found in 2 of 56 (3.6%) of genes in pham
• Manual Annotations of this start: 2 of 48
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Snek_9 (AZ3), Tweety19_9 (AZ3),

Summary by clusters:

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

Info for manual annotations of cluster AZ1:
•Start number 1 was manually annotated 1 time for cluster AZ1.
•Start number 2 was manually annotated 2 times for cluster AZ1.
•Start number 3 was manually annotated 43 times for cluster AZ1.

Info for manual annotations of cluster AZ3:
•Start number 4 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: AEgle_9 Start: 8278, Stop: 8385, Start Num: 3
Candidate Starts for AEgle_9:
(Start: 3 @8278 has 43 MA's),

Gene: AGrandiflora_9 Start: 8259, Stop: 8369, Start Num: 3
Candidate Starts for AGrandiflora_9:
(Start: 3 @8259 has 43 MA's), (5, 8325),

Gene: Adumb2043_9 Start: 8277, Stop: 8384, Start Num: 3
Candidate Starts for Adumb2043_9:
(Start: 3 @8277 has 43 MA's),

Gene: Amploria_9 Start: 8277, Stop: 8384, Start Num: 3
Candidate Starts for Amploria_9:
(Start: 3 @8277 has 43 MA's),

Gene: Amyev_9 Start: 8290, Stop: 8400, Start Num: 3
Candidate Starts for Amyev_9:
(Start: 3 @8290 has 43 MA's),

Gene: Asa16_9 Start: 8244, Stop: 8354, Start Num: 3
Candidate Starts for Asa16_9:
(Start: 3 @8244 has 43 MA's),

Gene: Ascela_9 Start: 8270, Stop: 8380, Start Num: 3
Candidate Starts for Ascela_9:
(Start: 3 @8270 has 43 MA's),

Gene: Berrie_9 Start: 8249, Stop: 8356, Start Num: 3
Candidate Starts for Berrie_9:
(Start: 3 @8249 has 43 MA's),

Gene: Cassia_9 Start: 8363, Stop: 8479, Start Num: 3
Candidate Starts for Cassia_9:
(Start: 3 @8363 has 43 MA's), (5, 8432),

Gene: Community_10 Start: 9325, Stop: 9435, Start Num: 3
Candidate Starts for Community_10:
(Start: 3 @9325 has 43 MA's),

Gene: Crewmate_10 Start: 8711, Stop: 8821, Start Num: 3
Candidate Starts for Crewmate_10:
(Start: 3 @8711 has 43 MA's), (5, 8777),

Gene: Cyan_9 Start: 8263, Stop: 8373, Start Num: 3
Candidate Starts for Cyan_9:

(Start: 3 @8263 has 43 MA's),

Gene: DrSierra_9 Start: 8272, Stop: 8382, Start Num: 3
Candidate Starts for DrSierra_9:
(Start: 3 @8272 has 43 MA's), (5, 8338), (7, 8359),

Gene: Elezi_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Elezi_9:
(Start: 3 @8245 has 43 MA's),

Gene: Eraser_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Eraser_9:
(Start: 3 @8245 has 43 MA's),

Gene: Flutur_9 Start: 8262, Stop: 8372, Start Num: 3
Candidate Starts for Flutur_9:
(Start: 3 @8262 has 43 MA's), (5, 8328),

Gene: Iter_9 Start: 8270, Stop: 8380, Start Num: 3
Candidate Starts for Iter_9:
(Start: 3 @8270 has 43 MA's),

Gene: IttyBittyPiggy_9 Start: 8267, Stop: 8377, Start Num: 3
Candidate Starts for IttyBittyPiggy_9:
(Start: 3 @8267 has 43 MA's), (5, 8333),

Gene: Janeemi_10 Start: 9359, Stop: 9490, Start Num: 3
Candidate Starts for Janeemi_10:
(Start: 3 @9359 has 43 MA's), (5, 9425), (6, 9443),

Gene: Joemato_9 Start: 8263, Stop: 8373, Start Num: 3
Candidate Starts for Joemato_9:
(Start: 3 @8263 has 43 MA's),

Gene: JohnDoe_9 Start: 8261, Stop: 8371, Start Num: 3
Candidate Starts for JohnDoe_9:
(Start: 3 @8261 has 43 MA's),

Gene: Jstan_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Jstan_9:
(Start: 3 @8245 has 43 MA's),

Gene: JuneStar_9 Start: 8364, Stop: 8477, Start Num: 3
Candidate Starts for JuneStar_9:
(Start: 3 @8364 has 43 MA's), (5, 8430),

Gene: Kaylissa_9 Start: 8264, Stop: 8374, Start Num: 3
Candidate Starts for Kaylissa_9:
(Start: 3 @8264 has 43 MA's),

Gene: KeAlii_9 Start: 8290, Stop: 8406, Start Num: 2
Candidate Starts for KeAlii_9:
(Start: 2 @8290 has 2 MA's),

Gene: Lego_9 Start: 8262, Stop: 8372, Start Num: 3
Candidate Starts for Lego_9:
(Start: 3 @8262 has 43 MA's), (5, 8328),

Gene: Lizalica_9 Start: 8254, Stop: 8361, Start Num: 3
Candidate Starts for Lizalica_9:
(Start: 3 @8254 has 43 MA's),

Gene: London_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for London_9:
(Start: 3 @8245 has 43 MA's),

Gene: Mudpuppy_9 Start: 8262, Stop: 8372, Start Num: 3
Candidate Starts for Mudpuppy_9:
(Start: 3 @8262 has 43 MA's), (5, 8328),

Gene: Niobe_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Niobe_9:
(Start: 3 @8245 has 43 MA's),

Gene: Nitro_9 Start: 8262, Stop: 8372, Start Num: 3
Candidate Starts for Nitro_9:
(Start: 3 @8262 has 43 MA's),

Gene: ObiToo_9 Start: 8448, Stop: 8558, Start Num: 3
Candidate Starts for ObiToo_9:
(Start: 3 @8448 has 43 MA's), (5, 8514),

Gene: Phives_10 Start: 9350, Stop: 9460, Start Num: 3
Candidate Starts for Phives_10:
(Start: 3 @9350 has 43 MA's),

Gene: Pixelle_9 Start: 8293, Stop: 8403, Start Num: 3
Candidate Starts for Pixelle_9:
(Start: 3 @8293 has 43 MA's),

Gene: Powerpuff_9 Start: 8313, Stop: 8423, Start Num: 3
Candidate Starts for Powerpuff_9:
(Start: 3 @8313 has 43 MA's), (5, 8379),

Gene: Pumpkins_9 Start: 8365, Stop: 8481, Start Num: 3
Candidate Starts for Pumpkins_9:
(Start: 3 @8365 has 43 MA's), (5, 8434),

Gene: Reedo_9 Start: 8309, Stop: 8425, Start Num: 2
Candidate Starts for Reedo_9:
(Start: 2 @8309 has 2 MA's),

Gene: Schaffner_9 Start: 8359, Stop: 8472, Start Num: 3
Candidate Starts for Schaffner_9:
(Start: 3 @8359 has 43 MA's), (5, 8425),

Gene: Simpson_9 Start: 8263, Stop: 8373, Start Num: 3
Candidate Starts for Simpson_9:
(Start: 3 @8263 has 43 MA's),

Gene: Skelbel_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Skelbel_9:
(Start: 3 @8245 has 43 MA's),

Gene: Snek_9 Start: 7366, Stop: 7482, Start Num: 4
Candidate Starts for Snek_9:
(Start: 4 @7366 has 2 MA's),

Gene: Subaru_9 Start: 8245, Stop: 8355, Start Num: 3
Candidate Starts for Subaru_9:
(Start: 3 @8245 has 43 MA's),

Gene: Sue2_9 Start: 8280, Stop: 8396, Start Num: 1
Candidate Starts for Sue2_9:
(Start: 1 @8280 has 1 MA's),

Gene: Tallboi_9 Start: 8282, Stop: 8389, Start Num: 3
Candidate Starts for Tallboi_9:
(Start: 3 @8282 has 43 MA's),

Gene: Tbone_9 Start: 8259, Stop: 8369, Start Num: 3
Candidate Starts for Tbone_9:
(Start: 3 @8259 has 43 MA's), (5, 8325),

Gene: TforTroy_9 Start: 8391, Stop: 8504, Start Num: 3
Candidate Starts for TforTroy_9:
(Start: 3 @8391 has 43 MA's), (5, 8457),

Gene: Tian_9 Start: 8290, Stop: 8400, Start Num: 3
Candidate Starts for Tian_9:
(Start: 3 @8290 has 43 MA's),

Gene: Tuck_10 Start: 9308, Stop: 9439, Start Num: 3
Candidate Starts for Tuck_10:
(Start: 3 @9308 has 43 MA's), (5, 9374),

Gene: Turab_9 Start: 8277, Stop: 8384, Start Num: 3
Candidate Starts for Turab_9:
(Start: 3 @8277 has 43 MA's),

Gene: Tutumahutu_9 Start: 8313, Stop: 8423, Start Num: 3
Candidate Starts for Tutumahutu_9:
(Start: 3 @8313 has 43 MA's), (5, 8379),

Gene: Tweety19_9 Start: 7365, Stop: 7481, Start Num: 4
Candidate Starts for Tweety19_9:
(Start: 4 @7365 has 2 MA's),

Gene: VResidence_9 Start: 8334, Stop: 8441, Start Num: 3

Candidate Starts for VResidence_9:
(Start: 3 @8334 has 43 MA's), (5, 8400),

Gene: Warda_9 Start: 8259, Stop: 8369, Start Num: 3
Candidate Starts for Warda_9:
(Start: 3 @8259 has 43 MA's), (5, 8325),

Gene: Wildwest_10 Start: 9179, Stop: 9289, Start Num: 3
Candidate Starts for Wildwest_10:
(Start: 3 @9179 has 43 MA's), (5, 9245), (7, 9266),

Gene: Yang_9 Start: 8364, Stop: 8477, Start Num: 3
Candidate Starts for Yang_9:
(Start: 3 @8364 has 43 MA's), (5, 8430),

Gene: YesChef_9 Start: 8313, Stop: 8423, Start Num: 3
Candidate Starts for YesChef_9:
(Start: 3 @8313 has 43 MA's), (5, 8379),