Pham 283773

1: ThursdayNight_8

2: Schaffner_9 + 5

3: JohnDoe_9 + 11

4: Elezi_9 + 11

5: Warda_9 + 10

6: Adolin_9

7: IttyBittyPiggy_9

8: DrManhattan_9 + 1

9: Amyev_9 + 4

10: Sue2_9

11: VResidence_9

12: Reedo_9

13: Janeemi_10

14: TforTroy_9

15: DrSierra_9

16: Wildwest_10

17: MaGuCo_8 + 3

18: Origami_8 + 3

19: ShakeItOph_8 + 3

20: VroomVroom_8

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 283773 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283773 has 71 members, 17 are drafts.

Phages represented in each track:
• Track 1 : ThursdayNight_8
• Track 2 : Schaffner_9, Pumpkins_9, ObiToo_9, JuneStar_9, Cassia_9, Yang_9
• Track 3 : JohnDoe_9, Cyan_9, Amploria_9, Tallboi_9, Kaylissa_9, Turab_9, Simpson_9, Adumb2043_9, Lizalica_9, AEgle_9, Joemato_9, KeAlii_9
• Track 4 : 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 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 : Adolin_9
• Track 7 : IttyBittyPiggy_9
• Track 8 : DrManhattan_9, MissSwiss_9
• Track 9 : Amyev_9, Community_10, Pixelle_9, Tian_9, Phives_10
• Track 10 : Sue2_9
• Track 11 : VResidence_9
• Track 12 : Reedo_9
• Track 13 : Janeemi_10
• Track 14 : TforTroy_9
• Track 15 : DrSierra_9
• Track 16 : Wildwest_10
• Track 17 : MaGuCo_8, Maureen_8, IUFootball_8, Liebe_8
• Track 18 : Origami_8, FiveHead_8, LadyAstra_8, JohnThicc_8
• Track 19 : ShakeItOph_8, Tweety19_9, JasmineDragon_8, Snek_9
• Track 20 : VroomVroom_8

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

The start number called the most often in the published annotations is 4, it was called in 42 of the 54 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, KeAlii_9, Lego_9, Lizalica_9,

London_9, Mudpuppy_9, Niobe_9, Nitro_9, ObiToo_9, Phives_10, Pixelle_9, Powerpuff_9, Pumpkins_9, Reedo_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:
• Adolin_9, DrManhattan_9, FiveHead_8, IUFootball_8, JasmineDragon_8, JohnThicc_8, LadyAstra_8, Liebe_8, MaGuCo_8, Maureen_8, MissSwiss_9, Origami_8, ShakeItOph_8, Snek_9, Sue2_9, ThursdayNight_8, Tweety19_9, VroomVroom_8,

Summary by start number:

Start 1:
• Found in 5 of 71 (7.0%) of genes in pham
• Manual Annotations of this start: 3 of 54
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IUFootball_8 (AZ2), Liebe_8 (AZ2), MaGuCo_8 (AZ2), Maureen_8 (AZ2), ThursdayNight_8 (AZ),

Start 2:
• Found in 12 of 71 (16.9%) of genes in pham
• Manual Annotations of this start: 8 of 54
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_9 (AZ1), DrManhattan_9 (AZ1), FiveHead_8 (AZ4), JasmineDragon_8 (AZ4), JohnThicc_8 (AZ4), LadyAstra_8 (AZ4), MissSwiss_9 (AZ1), Origami_8 (AZ4), ShakeItOph_8 (AZ4), Snek_9 (AZ3), Tweety19_9 (AZ3), VroomVroom_8 (AZ4),

Start 3:
• Found in 1 of 71 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 54
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sue2_9 (AZ1),

Start 4:
• Found in 53 of 71 (74.6%) of genes in pham
• Manual Annotations of this start: 42 of 54
• 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), KeAlii_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), Reedo_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),

Summary by clusters:

There are 5 clusters represented in this pham: AZ1, AZ2, AZ, AZ4, AZ3,

Info for manual annotations of cluster AZ1:
•Start number 2 was manually annotated 3 times for cluster AZ1.
•Start number 3 was manually annotated 1 time for cluster AZ1.
•Start number 4 was manually annotated 42 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 1 was manually annotated 3 times for cluster AZ2.

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

Info for manual annotations of cluster AZ4:
•Start number 2 was manually annotated 3 times for cluster AZ4.

Gene Information:
Gene: AEgle_9 Start: 8278, Stop: 8385, Start Num: 4
Candidate Starts for AEgle_9:
(Start: 4 @8278 has 42 MA's),

Gene: AGrandiflora_9 Start: 8259, Stop: 8369, Start Num: 4
Candidate Starts for AGrandiflora_9:
(Start: 4 @8259 has 42 MA's), (7, 8325),

Gene: Adolin_9 Start: 8255, Stop: 8371, Start Num: 2
Candidate Starts for Adolin_9:
(Start: 2 @8255 has 8 MA's),

Gene: Adumb2043_9 Start: 8277, Stop: 8384, Start Num: 4
Candidate Starts for Adumb2043_9:
(Start: 4 @8277 has 42 MA's),

Gene: Amploria_9 Start: 8277, Stop: 8384, Start Num: 4
Candidate Starts for Amploria_9:
(Start: 4 @8277 has 42 MA's),

Gene: Amyev_9 Start: 8290, Stop: 8400, Start Num: 4
Candidate Starts for Amyev_9:
(Start: 4 @8290 has 42 MA's),

Gene: Asa16_9 Start: 8244, Stop: 8354, Start Num: 4
Candidate Starts for Asa16_9:
(Start: 4 @8244 has 42 MA's),

Gene: Ascela_9 Start: 8270, Stop: 8380, Start Num: 4
Candidate Starts for Ascela_9:
(Start: 4 @8270 has 42 MA's),

Gene: Berrie_9 Start: 8249, Stop: 8356, Start Num: 4
Candidate Starts for Berrie_9:
(Start: 4 @8249 has 42 MA's),

Gene: Cassia_9 Start: 8363, Stop: 8479, Start Num: 4
Candidate Starts for Cassia_9:
(Start: 4 @8363 has 42 MA's), (7, 8432),

Gene: Community_10 Start: 9325, Stop: 9435, Start Num: 4
Candidate Starts for Community_10:
(Start: 4 @9325 has 42 MA's),

Gene: Crewmate_10 Start: 8711, Stop: 8821, Start Num: 4
Candidate Starts for Crewmate_10:
(Start: 4 @8711 has 42 MA's), (7, 8777),

Gene: Cyan_9 Start: 8263, Stop: 8373, Start Num: 4
Candidate Starts for Cyan_9:
(Start: 4 @8263 has 42 MA's),

Gene: DrManhattan_9 Start: 8245, Stop: 8361, Start Num: 2
Candidate Starts for DrManhattan_9:
(Start: 2 @8245 has 8 MA's),

Gene: DrSierra_9 Start: 8272, Stop: 8382, Start Num: 4
Candidate Starts for DrSierra_9:
(Start: 4 @8272 has 42 MA's), (7, 8338), (10, 8359),

Gene: Elezi_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Elezi_9:
(Start: 4 @8245 has 42 MA's),

Gene: Eraser_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Eraser_9:
(Start: 4 @8245 has 42 MA's),

Gene: FiveHead_8 Start: 6566, Stop: 6658, Start Num: 2
Candidate Starts for FiveHead_8:
(Start: 2 @6566 has 8 MA's), (6, 6593),

Gene: Flutur_9 Start: 8262, Stop: 8372, Start Num: 4
Candidate Starts for Flutur_9:
(Start: 4 @8262 has 42 MA's), (7, 8328),

Gene: IUFootball_8 Start: 6731, Stop: 6844, Start Num: 1
Candidate Starts for IUFootball_8:
(Start: 1 @6731 has 3 MA's), (5, 6749),

Gene: Iter_9 Start: 8270, Stop: 8380, Start Num: 4

Candidate Starts for Iter_9:
(Start: 4 @8270 has 42 MA's),

Gene: IttyBittyPiggy_9 Start: 8267, Stop: 8377, Start Num: 4
Candidate Starts for IttyBittyPiggy_9:
(Start: 4 @8267 has 42 MA's), (7, 8333),

Gene: Janeemi_10 Start: 9359, Stop: 9490, Start Num: 4
Candidate Starts for Janeemi_10:
(Start: 4 @9359 has 42 MA's), (7, 9425), (9, 9443),

Gene: JasmineDragon_8 Start: 6570, Stop: 6671, Start Num: 2
Candidate Starts for JasmineDragon_8:
(Start: 2 @6570 has 8 MA's),

Gene: Joemato_9 Start: 8263, Stop: 8373, Start Num: 4
Candidate Starts for Joemato_9:
(Start: 4 @8263 has 42 MA's),

Gene: JohnDoe_9 Start: 8261, Stop: 8371, Start Num: 4
Candidate Starts for JohnDoe_9:
(Start: 4 @8261 has 42 MA's),

Gene: JohnThicc_8 Start: 6566, Stop: 6658, Start Num: 2
Candidate Starts for JohnThicc_8:
(Start: 2 @6566 has 8 MA's), (6, 6593),

Gene: Jstan_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Jstan_9:
(Start: 4 @8245 has 42 MA's),

Gene: JuneStar_9 Start: 8364, Stop: 8477, Start Num: 4
Candidate Starts for JuneStar_9:
(Start: 4 @8364 has 42 MA's), (7, 8430),

Gene: Kaylissa_9 Start: 8264, Stop: 8374, Start Num: 4
Candidate Starts for Kaylissa_9:
(Start: 4 @8264 has 42 MA's),

Gene: KeAlii_9 Start: 8290, Stop: 8406, Start Num: 4
Candidate Starts for KeAlii_9:
(Start: 4 @8290 has 42 MA's),

Gene: LadyAstra_8 Start: 6566, Stop: 6658, Start Num: 2
Candidate Starts for LadyAstra_8:
(Start: 2 @6566 has 8 MA's), (6, 6593),

Gene: Lego_9 Start: 8262, Stop: 8372, Start Num: 4
Candidate Starts for Lego_9:
(Start: 4 @8262 has 42 MA's), (7, 8328),

Gene: Liebe_8 Start: 6731, Stop: 6844, Start Num: 1
Candidate Starts for Liebe_8:

(Start: 1 @6731 has 3 MA's), (5, 6749),

Gene: Lizalica_9 Start: 8254, Stop: 8361, Start Num: 4
Candidate Starts for Lizalica_9:
(Start: 4 @8254 has 42 MA's),

Gene: London_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for London_9:
(Start: 4 @8245 has 42 MA's),

Gene: MaGuCo_8 Start: 6590, Stop: 6703, Start Num: 1
Candidate Starts for MaGuCo_8:
(Start: 1 @6590 has 3 MA's), (5, 6608),

Gene: Maureen_8 Start: 6731, Stop: 6844, Start Num: 1
Candidate Starts for Maureen_8:
(Start: 1 @6731 has 3 MA's), (5, 6749),

Gene: MissSwiss_9 Start: 8258, Stop: 8365, Start Num: 2
Candidate Starts for MissSwiss_9:
(Start: 2 @8258 has 8 MA's),

Gene: Mudpuppy_9 Start: 8262, Stop: 8372, Start Num: 4
Candidate Starts for Mudpuppy_9:
(Start: 4 @8262 has 42 MA's), (7, 8328),

Gene: Niobe_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Niobe_9:
(Start: 4 @8245 has 42 MA's),

Gene: Nitro_9 Start: 8262, Stop: 8372, Start Num: 4
Candidate Starts for Nitro_9:
(Start: 4 @8262 has 42 MA's),

Gene: ObiToo_9 Start: 8448, Stop: 8558, Start Num: 4
Candidate Starts for ObiToo_9:
(Start: 4 @8448 has 42 MA's), (7, 8514),

Gene: Origami_8 Start: 6566, Stop: 6658, Start Num: 2
Candidate Starts for Origami_8:
(Start: 2 @6566 has 8 MA's), (6, 6593),

Gene: Phives_10 Start: 9350, Stop: 9460, Start Num: 4
Candidate Starts for Phives_10:
(Start: 4 @9350 has 42 MA's),

Gene: Pixelle_9 Start: 8293, Stop: 8403, Start Num: 4
Candidate Starts for Pixelle_9:
(Start: 4 @8293 has 42 MA's),

Gene: Powerpuff_9 Start: 8313, Stop: 8423, Start Num: 4
Candidate Starts for Powerpuff_9:
(Start: 4 @8313 has 42 MA's), (7, 8379),

Gene: Pumpkins_9 Start: 8365, Stop: 8481, Start Num: 4
Candidate Starts for Pumpkins_9:
(Start: 4 @8365 has 42 MA's), (7, 8434),

Gene: Reedo_9 Start: 8309, Stop: 8425, Start Num: 4
Candidate Starts for Reedo_9:
(Start: 4 @8309 has 42 MA's),

Gene: Schaffner_9 Start: 8359, Stop: 8472, Start Num: 4
Candidate Starts for Schaffner_9:
(Start: 4 @8359 has 42 MA's), (7, 8425),

Gene: ShakeItOph_8 Start: 6570, Stop: 6671, Start Num: 2
Candidate Starts for ShakeItOph_8:
(Start: 2 @6570 has 8 MA's),

Gene: Simpson_9 Start: 8263, Stop: 8373, Start Num: 4
Candidate Starts for Simpson_9:
(Start: 4 @8263 has 42 MA's),

Gene: Skelbel_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Skelbel_9:
(Start: 4 @8245 has 42 MA's),

Gene: Snek_9 Start: 7366, Stop: 7482, Start Num: 2
Candidate Starts for Snek_9:
(Start: 2 @7366 has 8 MA's),

Gene: Subaru_9 Start: 8245, Stop: 8355, Start Num: 4
Candidate Starts for Subaru_9:
(Start: 4 @8245 has 42 MA's),

Gene: Sue2_9 Start: 8280, Stop: 8396, Start Num: 3
Candidate Starts for Sue2_9:
(Start: 3 @8280 has 1 MA's),

Gene: Tallboi_9 Start: 8282, Stop: 8389, Start Num: 4
Candidate Starts for Tallboi_9:
(Start: 4 @8282 has 42 MA's),

Gene: Tbone_9 Start: 8259, Stop: 8369, Start Num: 4
Candidate Starts for Tbone_9:
(Start: 4 @8259 has 42 MA's), (7, 8325),

Gene: TforTroy_9 Start: 8391, Stop: 8504, Start Num: 4
Candidate Starts for TforTroy_9:
(Start: 4 @8391 has 42 MA's), (7, 8457),

Gene: ThursdayNight_8 Start: 6783, Stop: 6902, Start Num: 1
Candidate Starts for ThursdayNight_8:
(Start: 1 @6783 has 3 MA's), (5, 6801),

Gene: Tian_9 Start: 8290, Stop: 8400, Start Num: 4
Candidate Starts for Tian_9:
(Start: 4 @8290 has 42 MA's),

Gene: Tuck_10 Start: 9308, Stop: 9439, Start Num: 4
Candidate Starts for Tuck_10:
(Start: 4 @9308 has 42 MA's), (7, 9374),

Gene: Turab_9 Start: 8277, Stop: 8384, Start Num: 4
Candidate Starts for Turab_9:
(Start: 4 @8277 has 42 MA's),

Gene: Tutumahutu_9 Start: 8313, Stop: 8423, Start Num: 4
Candidate Starts for Tutumahutu_9:
(Start: 4 @8313 has 42 MA's), (7, 8379),

Gene: Tweety19_9 Start: 7365, Stop: 7481, Start Num: 2
Candidate Starts for Tweety19_9:
(Start: 2 @7365 has 8 MA's),

Gene: VResidence_9 Start: 8334, Stop: 8441, Start Num: 4
Candidate Starts for VResidence_9:
(Start: 4 @8334 has 42 MA's), (7, 8400),

Gene: VroomVroom_8 Start: 6582, Stop: 6683, Start Num: 2
Candidate Starts for VroomVroom_8:
(Start: 2 @6582 has 8 MA's), (8, 6639),

Gene: Warda_9 Start: 8259, Stop: 8369, Start Num: 4
Candidate Starts for Warda_9:
(Start: 4 @8259 has 42 MA's), (7, 8325),

Gene: Wildwest_10 Start: 9179, Stop: 9289, Start Num: 4
Candidate Starts for Wildwest_10:
(Start: 4 @9179 has 42 MA's), (7, 9245), (10, 9266),

Gene: Yang_9 Start: 8364, Stop: 8477, Start Num: 4
Candidate Starts for Yang_9:
(Start: 4 @8364 has 42 MA's), (7, 8430),

Gene: YesChef_9 Start: 8313, Stop: 8423, Start Num: 4
Candidate Starts for YesChef_9:
(Start: 4 @8313 has 42 MA's), (7, 8379),