Pham 345795


1: AdaS_50 + 14
2: Anekin_51 + 1
3: ThayneTheZag_55
4: Raqqa_46 + 4
5: Auxilium_50 + 3
6: MurphyJoseph_50 + 2
7: SonDevVon_58 + 1
8: EvePickles_50 + 1
9: LeBruni_52
10: Vopal_57
11: Aikyam_52 + 1
12: BillyTP_56 + 3
13: SpicyFrank_57 + 2
14: Tiff81_50
15: Sporco_55
16: JakeTheSnake_60
17: Persistence_50
18: DarwinJr_56
19: BlackSpider_40 + 1
20: Bauer_45
21: GMA1_39

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 345795 Report

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

Pham number 345795 has 54 members, 9 are drafts.

Phages represented in each track:
• Track 1 : AdaS_50, MaterMagnus_54, Windest_55, Mapleville_50, Raphaella_53, Lasker_53, Sakai_53, CookieBear_54, Isolde_53, JellyBread_51, MUWow_53, NewKitty_56, Kabloowy_54, Gorpy_54, YoungHarleezy_54
• Track 2 : Anekin_51, Crescenzo_54
• Track 3 : ThayneTheZag_55
• Track 4 : Raqqa_46, Hillester_58, BenchScraper_53, RadFad_58, BasketStar_56
• Track 5 : Auxilium_50, Seahorse_57, AbbyDaisy_53, Lawnathon_55
• Track 6 : MurphyJoseph_50, Phrank15_54, Bhageatrice_54
• Track 7 : SonDevVon_58, Satrap_55
• Track 8 : EvePickles_50, Sashimi_54
• Track 9 : LeBruni_52
• Track 10 : Vopal_57
• Track 11 : Aikyam_52, Richie_56
• Track 12 : BillyTP_56, Faja_55, BlueShadow_54, MidnightRain_58
• Track 13 : SpicyFrank_57, Cassini_48, Globfish_54
• Track 14 : Tiff81_50
• Track 15 : Sporco_55
• Track 16 : JakeTheSnake_60
• Track 17 : Persistence_50
• Track 18 : DarwinJr_56
• Track 19 : BlackSpider_40, BellaJr_43
• Track 20 : Bauer_45
• Track 21 : GMA1_39

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

The start number called the most often in the published annotations is 6, it was called in 41 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_53, AdaS_50, Anekin_51, Auxilium_50, BasketStar_56, Bauer_45, BellaJr_43, BenchScraper_53, Bhageatrice_54, BillyTP_56, BlackSpider_40, BlueShadow_54, Cassini_48, CookieBear_54, Crescenzo_54, EvePickles_50, Faja_55, Globfish_54, Gorpy_54, Hillester_58, Isolde_53, JakeTheSnake_60,

JellyBread_51, Kabloowy_54, Lasker_53, Lawnathon_55, MUWow_53, Mapleville_50, MaterMagnus_54, MidnightRain_58, MurphyJoseph_50, NewKitty_56, Persistence_50, Phrank15_54, RadFad_58, Raphaella_53, Raqqa_46, Sakai_53, Sashimi_54, Seahorse_57, SpicyFrank_57, Sporco_55, ThayneTheZag_55, Tiff81_50, Windest_55, YoungHarleezy_54,

Genes that have the "Most Annotated" start but do not call it:
• Aikyam_52, DarwinJr_56, GMA1_39, LeBruni_52, Richie_56, Satrap_55, SonDevVon_58, Vopal_57,

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

Summary by start number:

Start 6:
• Found in 54 of 54 (100.0%) of genes in pham
• Manual Annotations of this start: 41 of 45
• Called 85.2% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_53 (AY), AdaS_50 (AY), Anekin_51 (AY), Auxilium_50 (AY), BasketStar_56 (AY), Bauer_45 (FN), BellaJr_43 (FN), BenchScraper_53 (AY), Bhageatrice_54 (AY), BillyTP_56 (AY), BlackSpider_40 (FN), BlueShadow_54 (AY), Cassini_48 (FN), CookieBear_54 (AY), Crescenzo_54 (AY), EvePickles_50 (AY), Faja_55 (AY), Globfish_54 (AY), Gorpy_54 (AY), Hillester_58 (AY), Isolde_53 (AY), JakeTheSnake_60 (AY), JellyBread_51 (AY), Kabloowy_54 (AY), Lasker_53 (AY), Lawnathon_55 (AY), MUWow_53 (AY), Mapleville_50 (AY), MaterMagnus_54 (AY), MidnightRain_58 (AY), MurphyJoseph_50 (AY), NewKitty_56 (AY), Persistence_50 (AY), Phrank15_54 (AY), RadFad_58 (AY), Raphaella_53 (AY), Raqqa_46 (AY), Sakai_53 (AY), Sashimi_54 (AY), Seahorse_57 (AY), SpicyFrank_57 (AY), Sporco_55 (AY), ThayneTheZag_55 (AY), Tiff81_50 (AY), Windest_55 (AY), YoungHarleezy_54 (AY),

Start 7:
• Found in 43 of 54 (79.6%) of genes in pham
• Manual Annotations of this start: 4 of 45
• Called 16.3% of time when present
• Phage (with cluster) where this start called: Aikyam_52 (AY), DarwinJr_56 (AY), LeBruni_52 (AY), Richie_56 (AY), Satrap_55 (AY), SonDevVon_58 (AY), Vopal_57 (AY),

Start 10:
• Found in 1 of 54 (1.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA1_39 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: AY, singleton, FN,

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 38 times for cluster AY.
•Start number 7 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster FN:
•Start number 6 was manually annotated 3 times for cluster FN.

Gene Information:

Gene: AbbyDaisy_53 Start: 32841, Stop: 33065, Start Num: 6
Candidate Starts for AbbyDaisy_53:
(Start: 6 @32841 has 41 MA's), (Start: 7 @32856 has 4 MA's),

Gene: AdaS_50 Start: 30784, Stop: 31008, Start Num: 6
Candidate Starts for AdaS_50:
(Start: 6 @30784 has 41 MA's), (Start: 7 @30799 has 4 MA's),

Gene: Aikyam_52 Start: 30569, Stop: 30778, Start Num: 7
Candidate Starts for Aikyam_52:
(Start: 6 @30554 has 41 MA's), (Start: 7 @30569 has 4 MA's),

Gene: Anekin_51 Start: 32394, Stop: 32618, Start Num: 6
Candidate Starts for Anekin_51:
(Start: 6 @32394 has 41 MA's), (Start: 7 @32409 has 4 MA's),

Gene: Auxilium_50 Start: 30112, Stop: 30336, Start Num: 6
Candidate Starts for Auxilium_50:
(Start: 6 @30112 has 41 MA's), (Start: 7 @30127 has 4 MA's),

Gene: BasketStar_56 Start: 33454, Stop: 33678, Start Num: 6
Candidate Starts for BasketStar_56:
(Start: 6 @33454 has 41 MA's), (Start: 7 @33469 has 4 MA's),

Gene: Bauer_45 Start: 29961, Stop: 30200, Start Num: 6
Candidate Starts for Bauer_45:
(Start: 6 @29961 has 41 MA's), (9, 30000),

Gene: BellaJr_43 Start: 30518, Stop: 30757, Start Num: 6
Candidate Starts for BellaJr_43:
(Start: 6 @30518 has 41 MA's), (9, 30557),

Gene: BenchScraper_53 Start: 32279, Stop: 32503, Start Num: 6
Candidate Starts for BenchScraper_53:
(Start: 6 @32279 has 41 MA's), (Start: 7 @32294 has 4 MA's),

Gene: Bhageatrice_54 Start: 33888, Stop: 34112, Start Num: 6
Candidate Starts for Bhageatrice_54:
(Start: 6 @33888 has 41 MA's), (Start: 7 @33903 has 4 MA's), (14, 33960),

Gene: BillyTP_56 Start: 34150, Stop: 34374, Start Num: 6
Candidate Starts for BillyTP_56:
(4, 34105), (Start: 6 @34150 has 41 MA's), (Start: 7 @34165 has 4 MA's),

Gene: BlackSpider_40 Start: 29110, Stop: 29349, Start Num: 6

Candidate Starts for BlackSpider_40:
(Start: 6 @29110 has 41 MA's), (9, 29149),

Gene: BlueShadow_54 Start: 32940, Stop: 33164, Start Num: 6
Candidate Starts for BlueShadow_54:
(4, 32895), (Start: 6 @32940 has 41 MA's), (Start: 7 @32955 has 4 MA's),

Gene: Cassini_48 Start: 31213, Stop: 31437, Start Num: 6
Candidate Starts for Cassini_48:
(Start: 6 @31213 has 41 MA's), (14, 31285),

Gene: CookieBear_54 Start: 32534, Stop: 32758, Start Num: 6
Candidate Starts for CookieBear_54:
(Start: 6 @32534 has 41 MA's), (Start: 7 @32549 has 4 MA's),

Gene: Crescenzo_54 Start: 33445, Stop: 33669, Start Num: 6
Candidate Starts for Crescenzo_54:
(Start: 6 @33445 has 41 MA's), (Start: 7 @33460 has 4 MA's),

Gene: DarwinJr_56 Start: 33528, Stop: 33737, Start Num: 7
Candidate Starts for DarwinJr_56:
(Start: 6 @33513 has 41 MA's), (Start: 7 @33528 has 4 MA's),

Gene: EvePickles_50 Start: 32734, Stop: 32958, Start Num: 6
Candidate Starts for EvePickles_50:
(Start: 6 @32734 has 41 MA's), (14, 32806),

Gene: Faja_55 Start: 34118, Stop: 34342, Start Num: 6
Candidate Starts for Faja_55:
(4, 34073), (Start: 6 @34118 has 41 MA's), (Start: 7 @34133 has 4 MA's),

Gene: GMA1_39 Start: 28155, Stop: 28403, Start Num: 10
Candidate Starts for GMA1_39:
(1, 27891), (2, 27954), (3, 27993), (Start: 6 @28086 has 41 MA's), (8, 28107), (10, 28155), (12, 28167), (13, 28170), (15, 28221), (16, 28227), (17, 28239), (18, 28287), (19, 28314), (20, 28347), (21, 28368), (22, 28386),

Gene: Globfish_54 Start: 32633, Stop: 32857, Start Num: 6
Candidate Starts for Globfish_54:
(Start: 6 @32633 has 41 MA's), (14, 32705),

Gene: Gorpy_54 Start: 33526, Stop: 33750, Start Num: 6
Candidate Starts for Gorpy_54:
(Start: 6 @33526 has 41 MA's), (Start: 7 @33541 has 4 MA's),

Gene: Hillester_58 Start: 33876, Stop: 34100, Start Num: 6
Candidate Starts for Hillester_58:
(Start: 6 @33876 has 41 MA's), (Start: 7 @33891 has 4 MA's),

Gene: Isolde_53 Start: 32203, Stop: 32427, Start Num: 6
Candidate Starts for Isolde_53:
(Start: 6 @32203 has 41 MA's), (Start: 7 @32218 has 4 MA's),

Gene: JakeTheSnake_60 Start: 34978, Stop: 35202, Start Num: 6
Candidate Starts for JakeTheSnake_60:
(Start: 6 @34978 has 41 MA's), (Start: 7 @34993 has 4 MA's), (14, 35050),

Gene: JellyBread_51 Start: 31324, Stop: 31548, Start Num: 6
Candidate Starts for JellyBread_51:
(Start: 6 @31324 has 41 MA's), (Start: 7 @31339 has 4 MA's),

Gene: Kabloowy_54 Start: 33218, Stop: 33442, Start Num: 6
Candidate Starts for Kabloowy_54:
(Start: 6 @33218 has 41 MA's), (Start: 7 @33233 has 4 MA's),

Gene: Lasker_53 Start: 32978, Stop: 33202, Start Num: 6
Candidate Starts for Lasker_53:
(Start: 6 @32978 has 41 MA's), (Start: 7 @32993 has 4 MA's),

Gene: Lawnathon_55 Start: 32691, Stop: 32915, Start Num: 6
Candidate Starts for Lawnathon_55:
(Start: 6 @32691 has 41 MA's), (Start: 7 @32706 has 4 MA's),

Gene: LeBruni_52 Start: 31515, Stop: 31724, Start Num: 7
Candidate Starts for LeBruni_52:
(Start: 6 @31500 has 41 MA's), (Start: 7 @31515 has 4 MA's), (14, 31572),

Gene: MUWow_53 Start: 32468, Stop: 32692, Start Num: 6
Candidate Starts for MUWow_53:
(Start: 6 @32468 has 41 MA's), (Start: 7 @32483 has 4 MA's),

Gene: Mapleville_50 Start: 32027, Stop: 32251, Start Num: 6
Candidate Starts for Mapleville_50:
(Start: 6 @32027 has 41 MA's), (Start: 7 @32042 has 4 MA's),

Gene: MaterMagnus_54 Start: 32726, Stop: 32950, Start Num: 6
Candidate Starts for MaterMagnus_54:
(Start: 6 @32726 has 41 MA's), (Start: 7 @32741 has 4 MA's),

Gene: MidnightRain_58 Start: 34057, Stop: 34281, Start Num: 6
Candidate Starts for MidnightRain_58:
(4, 34012), (Start: 6 @34057 has 41 MA's), (Start: 7 @34072 has 4 MA's),

Gene: MurphyJoseph_50 Start: 31028, Stop: 31252, Start Num: 6
Candidate Starts for MurphyJoseph_50:
(Start: 6 @31028 has 41 MA's), (Start: 7 @31043 has 4 MA's), (14, 31100),

Gene: NewKitty_56 Start: 32396, Stop: 32620, Start Num: 6
Candidate Starts for NewKitty_56:
(Start: 6 @32396 has 41 MA's), (Start: 7 @32411 has 4 MA's),

Gene: Persistence_50 Start: 31673, Stop: 31897, Start Num: 6
Candidate Starts for Persistence_50:
(Start: 6 @31673 has 41 MA's), (Start: 7 @31688 has 4 MA's), (14, 31745),

Gene: Phrank15_54 Start: 32437, Stop: 32661, Start Num: 6

Candidate Starts for Phrank15_54:
(Start: 6 @32437 has 41 MA's), (Start: 7 @32452 has 4 MA's), (14, 32509),

Gene: RadFad_58 Start: 33876, Stop: 34100, Start Num: 6
Candidate Starts for RadFad_58:
(Start: 6 @33876 has 41 MA's), (Start: 7 @33891 has 4 MA's),

Gene: Raphaella_53 Start: 32135, Stop: 32359, Start Num: 6
Candidate Starts for Raphaella_53:
(Start: 6 @32135 has 41 MA's), (Start: 7 @32150 has 4 MA's),

Gene: Raqqa_46 Start: 29741, Stop: 29965, Start Num: 6
Candidate Starts for Raqqa_46:
(Start: 6 @29741 has 41 MA's), (Start: 7 @29756 has 4 MA's),

Gene: Richie_56 Start: 33219, Stop: 33428, Start Num: 7
Candidate Starts for Richie_56:
(Start: 6 @33204 has 41 MA's), (Start: 7 @33219 has 4 MA's),

Gene: Sakai_53 Start: 32237, Stop: 32461, Start Num: 6
Candidate Starts for Sakai_53:
(Start: 6 @32237 has 41 MA's), (Start: 7 @32252 has 4 MA's),

Gene: Sashimi_54 Start: 33468, Stop: 33692, Start Num: 6
Candidate Starts for Sashimi_54:
(Start: 6 @33468 has 41 MA's), (14, 33540),

Gene: Satrap_55 Start: 32681, Stop: 32890, Start Num: 7
Candidate Starts for Satrap_55:
(Start: 6 @32666 has 41 MA's), (Start: 7 @32681 has 4 MA's),

Gene: Seahorse_57 Start: 34470, Stop: 34694, Start Num: 6
Candidate Starts for Seahorse_57:
(Start: 6 @34470 has 41 MA's), (Start: 7 @34485 has 4 MA's),

Gene: SonDevVon_58 Start: 32855, Stop: 33064, Start Num: 7
Candidate Starts for SonDevVon_58:
(Start: 6 @32840 has 41 MA's), (Start: 7 @32855 has 4 MA's),

Gene: SpicyFrank_57 Start: 33316, Stop: 33540, Start Num: 6
Candidate Starts for SpicyFrank_57:
(Start: 6 @33316 has 41 MA's), (14, 33388),

Gene: Sporco_55 Start: 32260, Stop: 32487, Start Num: 6
Candidate Starts for Sporco_55:
(Start: 6 @32260 has 41 MA's), (11, 32326), (14, 32335),

Gene: ThayneTheZag_55 Start: 32311, Stop: 32535, Start Num: 6
Candidate Starts for ThayneTheZag_55:
(Start: 6 @32311 has 41 MA's), (14, 32383),

Gene: Tiff81_50 Start: 30648, Stop: 30872, Start Num: 6
Candidate Starts for Tiff81_50:

(5, 30615), (Start: 6 @30648 has 41 MA's), (Start: 7 @30663 has 4 MA's),

Gene: Vopal_57 Start: 35788, Stop: 35997, Start Num: 7
Candidate Starts for Vopal_57:
(Start: 6 @35773 has 41 MA's), (Start: 7 @35788 has 4 MA's),

Gene: Windest_55 Start: 31396, Stop: 31620, Start Num: 6
Candidate Starts for Windest_55:
(Start: 6 @31396 has 41 MA's), (Start: 7 @31411 has 4 MA's),

Gene: YoungHarleezy_54 Start: 32701, Stop: 32925, Start Num: 6
Candidate Starts for YoungHarleezy_54:
(Start: 6 @32701 has 41 MA's), (Start: 7 @32716 has 4 MA's),