Pham 200461

1: AdaS_52 + 5

2: Anekin_51

3: ThayneTheZag_55

4: Raqqa_46 + 3

5: Auxilium_50 + 3

6: MaterMagnus_54 + 4

7: EvePickles_50 + 1

8: Vopal_57

9: BillyTP_56 + 2

10: Phrank15_54 + 1

11: SpicyFrank_57 + 1

12: Tiff81_54

13: BlueShadow_55

14: Persistence_50

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 200461 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200461 has 34 members, 17 are drafts.

Phages represented in each track:
• Track 1 : AdaS_52, Raphaella_53, Sakai_53, CookieBear_54, Isolde_53, Gorpy_54
• Track 2 : Anekin_51
• Track 3 : ThayneTheZag_55
• Track 4 : Raqqa_46, Hillester_58, BenchScraper_53, RadFad_58
• Track 5 : Auxilium_50, Seahorse_57, Lawnathon_55, AbbyDaisy_53
• Track 6 : MaterMagnus_54, Windest_56, Aikyam_52, Richie_56, YoungHarleezy_54
• Track 7 : EvePickles_50, Sashimi_55
• Track 8 : Vopal_57
• Track 9 : BillyTP_56, Faja_55, MidnightRain_58
• Track 10 : Phrank15_54, Bhageatrice_55
• Track 11 : SpicyFrank_57, Globfish_54
• Track 12 : Tiff81_54
• Track 13 : BlueShadow_55
• Track 14 : Persistence_50

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 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AbbyDaisy_53, AdaS_52, Anekin_51, Auxilium_50, BenchScraper_53, Bhageatrice_55, BillyTP_56, CookieBear_54, EvePickles_50, Faja_55, Globfish_54, Gorpy_54, Hillester_58, Isolde_53, Lawnathon_55, MidnightRain_58, Persistence_50, Phrank15_54, RadFad_58, Raphaella_53, Raqqa_46, Sakai_53, Sashimi_55, Seahorse_57, SpicyFrank_57, ThayneTheZag_55, Tiff81_54,

Genes that have the "Most Annotated" start but do not call it:
• Aikyam_52, BlueShadow_55, MaterMagnus_54, Richie_56, Vopal_57, Windest_56, YoungHarleezy_54,

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

Summary by start number:

Start 3:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 17
• Called 79.4% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_53 (AY), AdaS_52 (AY), Anekin_51 (AY), Auxilium_50 (AY), BenchScraper_53 (AY), Bhageatrice_55 (AY), BillyTP_56 (AY), CookieBear_54 (AY), EvePickles_50 (AY), Faja_55 (AY), Globfish_54 (AY), Gorpy_54 (AY), Hillester_58 (AY), Isolde_53 (AY), Lawnathon_55 (AY), MidnightRain_58 (AY), Persistence_50 (AY), Phrank15_54 (AY), RadFad_58 (AY), Raphaella_53 (AY), Raqqa_46 (AY), Sakai_53 (AY), Sashimi_55 (AY), Seahorse_57 (AY), SpicyFrank_57 (AY), ThayneTheZag_55 (AY), Tiff81_54 (AY),

Start 4:
• Found in 29 of 34 (85.3%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 24.1% of time when present
• Phage (with cluster) where this start called: Aikyam_52 (AY), BlueShadow_55 (AY), MaterMagnus_54 (AY), Richie_56 (AY), Vopal_57 (AY), Windest_56 (AY), YoungHarleezy_54 (AY),

Summary by clusters:

There is one cluster represented in this pham: AY

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 16 times for cluster AY.
•Start number 4 was manually annotated 1 time for cluster AY.

Gene Information:
Gene: AbbyDaisy_53 Start: 32841, Stop: 33065, Start Num: 3
Candidate Starts for AbbyDaisy_53:
(Start: 3 @32841 has 16 MA's), (Start: 4 @32856 has 1 MA's),

Gene: AdaS_52 Start: 30784, Stop: 31008, Start Num: 3
Candidate Starts for AdaS_52:
(Start: 3 @30784 has 16 MA's), (Start: 4 @30799 has 1 MA's),

Gene: Aikyam_52 Start: 30569, Stop: 30778, Start Num: 4
Candidate Starts for Aikyam_52:
(Start: 3 @30554 has 16 MA's), (Start: 4 @30569 has 1 MA's),

Gene: Anekin_51 Start: 32394, Stop: 32618, Start Num: 3
Candidate Starts for Anekin_51:
(Start: 3 @32394 has 16 MA's), (Start: 4 @32409 has 1 MA's),

Gene: Auxilium_50 Start: 30112, Stop: 30336, Start Num: 3
Candidate Starts for Auxilium_50:
(Start: 3 @30112 has 16 MA's), (Start: 4 @30127 has 1 MA's),

Gene: BenchScraper_53 Start: 32279, Stop: 32503, Start Num: 3
Candidate Starts for BenchScraper_53:
(Start: 3 @32279 has 16 MA's), (Start: 4 @32294 has 1 MA's),

Gene: Bhageatrice_55 Start: 33888, Stop: 34112, Start Num: 3
Candidate Starts for Bhageatrice_55:
(Start: 3 @33888 has 16 MA's), (Start: 4 @33903 has 1 MA's), (5, 33960),

Gene: BillyTP_56 Start: 34150, Stop: 34374, Start Num: 3
Candidate Starts for BillyTP_56:
(1, 34105), (Start: 3 @34150 has 16 MA's), (Start: 4 @34165 has 1 MA's),

Gene: BlueShadow_55 Start: 32955, Stop: 33164, Start Num: 4
Candidate Starts for BlueShadow_55:
(1, 32895), (Start: 3 @32940 has 16 MA's), (Start: 4 @32955 has 1 MA's),

Gene: CookieBear_54 Start: 32534, Stop: 32758, Start Num: 3
Candidate Starts for CookieBear_54:
(Start: 3 @32534 has 16 MA's), (Start: 4 @32549 has 1 MA's),

Gene: EvePickles_50 Start: 32734, Stop: 32958, Start Num: 3
Candidate Starts for EvePickles_50:
(Start: 3 @32734 has 16 MA's), (5, 32806),

Gene: Faja_55 Start: 34118, Stop: 34342, Start Num: 3
Candidate Starts for Faja_55:
(1, 34073), (Start: 3 @34118 has 16 MA's), (Start: 4 @34133 has 1 MA's),

Gene: Globfish_54 Start: 32633, Stop: 32857, Start Num: 3
Candidate Starts for Globfish_54:
(Start: 3 @32633 has 16 MA's), (5, 32705),

Gene: Gorpy_54 Start: 33526, Stop: 33750, Start Num: 3
Candidate Starts for Gorpy_54:
(Start: 3 @33526 has 16 MA's), (Start: 4 @33541 has 1 MA's),

Gene: Hillester_58 Start: 33876, Stop: 34100, Start Num: 3
Candidate Starts for Hillester_58:
(Start: 3 @33876 has 16 MA's), (Start: 4 @33891 has 1 MA's),

Gene: Isolde_53 Start: 32203, Stop: 32427, Start Num: 3
Candidate Starts for Isolde_53:
(Start: 3 @32203 has 16 MA's), (Start: 4 @32218 has 1 MA's),

Gene: Lawnathon_55 Start: 32691, Stop: 32915, Start Num: 3
Candidate Starts for Lawnathon_55:
(Start: 3 @32691 has 16 MA's), (Start: 4 @32706 has 1 MA's),

Gene: MaterMagnus_54 Start: 32741, Stop: 32950, Start Num: 4
Candidate Starts for MaterMagnus_54:
(Start: 3 @32726 has 16 MA's), (Start: 4 @32741 has 1 MA's),

Gene: MidnightRain_58 Start: 34057, Stop: 34281, Start Num: 3
Candidate Starts for MidnightRain_58:
(1, 34012), (Start: 3 @34057 has 16 MA's), (Start: 4 @34072 has 1 MA's),

Gene: Persistence_50 Start: 31673, Stop: 31897, Start Num: 3
Candidate Starts for Persistence_50:
(Start: 3 @31673 has 16 MA's), (Start: 4 @31688 has 1 MA's), (5, 31745),

Gene: Phrank15_54 Start: 32437, Stop: 32661, Start Num: 3
Candidate Starts for Phrank15_54:
(Start: 3 @32437 has 16 MA's), (Start: 4 @32452 has 1 MA's), (5, 32509),

Gene: RadFad_58 Start: 33876, Stop: 34100, Start Num: 3
Candidate Starts for RadFad_58:
(Start: 3 @33876 has 16 MA's), (Start: 4 @33891 has 1 MA's),

Gene: Raphaella_53 Start: 32135, Stop: 32359, Start Num: 3
Candidate Starts for Raphaella_53:
(Start: 3 @32135 has 16 MA's), (Start: 4 @32150 has 1 MA's),

Gene: Raqqa_46 Start: 29741, Stop: 29965, Start Num: 3
Candidate Starts for Raqqa_46:
(Start: 3 @29741 has 16 MA's), (Start: 4 @29756 has 1 MA's),

Gene: Richie_56 Start: 33219, Stop: 33428, Start Num: 4
Candidate Starts for Richie_56:
(Start: 3 @33204 has 16 MA's), (Start: 4 @33219 has 1 MA's),

Gene: Sakai_53 Start: 32237, Stop: 32461, Start Num: 3
Candidate Starts for Sakai_53:
(Start: 3 @32237 has 16 MA's), (Start: 4 @32252 has 1 MA's),

Gene: Sashimi_55 Start: 33468, Stop: 33692, Start Num: 3
Candidate Starts for Sashimi_55:
(Start: 3 @33468 has 16 MA's), (5, 33540),

Gene: Seahorse_57 Start: 34470, Stop: 34694, Start Num: 3
Candidate Starts for Seahorse_57:
(Start: 3 @34470 has 16 MA's), (Start: 4 @34485 has 1 MA's),

Gene: SpicyFrank_57 Start: 33316, Stop: 33540, Start Num: 3
Candidate Starts for SpicyFrank_57:
(Start: 3 @33316 has 16 MA's), (5, 33388),

Gene: ThayneTheZag_55 Start: 32311, Stop: 32535, Start Num: 3
Candidate Starts for ThayneTheZag_55:
(Start: 3 @32311 has 16 MA's), (5, 32383),

Gene: Tiff81_54 Start: 30648, Stop: 30872, Start Num: 3
Candidate Starts for Tiff81_54:
(2, 30615), (Start: 3 @30648 has 16 MA's), (Start: 4 @30663 has 1 MA's),

Gene: Vopal_57 Start: 35788, Stop: 35997, Start Num: 4

Candidate Starts for Vopal_57:
(Start: 3 @35773 has 16 MA's), (Start: 4 @35788 has 1 MA's),

Gene: Windest_56 Start: 31411, Stop: 31620, Start Num: 4
Candidate Starts for Windest_56:
(Start: 3 @31396 has 16 MA's), (Start: 4 @31411 has 1 MA's),

Gene: YoungHarleezy_54 Start: 32716, Stop: 32925, Start Num: 4
Candidate Starts for YoungHarleezy_54:
(Start: 3 @32701 has 16 MA's), (Start: 4 @32716 has 1 MA's),