Pham 284062

1: Adolin_36 + 1
2: JuneStar_38
3: TforTroy_38
4: Tallboi_37
5: Yang_69
6: Adumb2043_35
7: Pixelle_36 + 2
8: Niobe_36 + 3
9: Elezi_36 + 1
10: Amploria_36
11: IttyBittyPiggy_37
12: Crewmate_42 + 1
13: Reedo_36
14: Schaffner_37
15: MaGuCo_36
16: IUFootball_38 + 2
17: FiveHead_45 + 3

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 284062 Report

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

Pham number 284062 has 30 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Adolin_36, DrManhattan_36
• Track 2 : JuneStar_38
• Track 3 : TforTroy_38
• Track 4 : Tallboi_37
• Track 5 : Yang_69
• Track 6 : Adumb2043_35
• Track 7 : Pixelle_36, Tian_36, Amyev_36
• Track 8 : Niobe_36, Eraser_36, Asa16_36, London_36
• Track 9 : Elezi_36, Subaru_37
• Track 10 : Amploria_36
• Track 11 : IttyBittyPiggy_37
• Track 12 : Crewmate_42, ObiToo_41
• Track 13 : Reedo_36
• Track 14 : Schaffner_37
• Track 15 : MaGuCo_36
• Track 16 : IUFootball_38, Liebe_38, Maureen_38
• Track 17 : FiveHead_45, JohnThicc_44, LadyAstra_44, Origami_43

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

The start number called the most often in the published annotations is 12, it was called in 19 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adolin_36, Adumb2043_35, Amploria_36, Amyev_36, Asa16_36, Crewmate_42, DrManhattan_36, Elezi_36, Eraser_36, IttyBittyPiggy_37, JuneStar_38, London_36, Niobe_36, ObiToo_41, Pixelle_36, Reedo_36, Schaffner_37, Subaru_37, Tallboi_37, TforTroy_38, Tian_36, Yang_69,

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

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

• FiveHead_45, IUFootball_38, JohnThicc_44, LadyAstra_44, Liebe_38, MaGuCo_36, Maureen_38, Origami_43,

Summary by start number:

Start 11:
• Found in 4 of 30 (13.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FiveHead_45 (AZ4), JohnThicc_44 (AZ4), LadyAstra_44 (AZ4), Origami_43 (AZ4),

Start 12:
• Found in 22 of 30 (73.3%) of genes in pham
• Manual Annotations of this start: 19 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_36 (AZ1), Adumb2043_35 (AZ1), Amploria_36 (AZ1), Amyev_36 (AZ1), Asa16_36 (AZ1), Crewmate_42 (AZ1), DrManhattan_36 (AZ1), Elezi_36 (AZ1), Eraser_36 (AZ1), IttyBittyPiggy_37 (AZ1), JuneStar_38 (AZ1), London_36 (AZ1), Niobe_36 (AZ1), ObiToo_41 (AZ1), Pixelle_36 (AZ1), Reedo_36 (AZ1), Schaffner_37 (AZ1), Subaru_37 (AZ1), Tallboi_37 (AZ1), TforTroy_38 (AZ1), Tian_36 (AZ1), Yang_69 (AZ1),

Start 13:
• Found in 4 of 30 (13.3%) of genes in pham
• Manual Annotations of this start: 3 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: IUFootball_38 (AZ2), Liebe_38 (AZ2), MaGuCo_36 (AZ2), Maureen_38 (AZ2),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, AZ2, AZ4,

Info for manual annotations of cluster AZ1:
•Start number 12 was manually annotated 19 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 13 was manually annotated 3 times for cluster AZ2.

Gene Information:
Gene: Adolin_36 Start: 24646, Stop: 24473, Start Num: 12
Candidate Starts for Adolin_36:
(8, 24676), (Start: 12 @24646 has 19 MA's), (20, 24586), (23, 24571), (25, 24559), (27, 24535),

Gene: Adumb2043_35 Start: 25817, Stop: 25638, Start Num: 12
Candidate Starts for Adumb2043_35:
(Start: 12 @25817 has 19 MA's), (17, 25781), (22, 25748), (23, 25736), (27, 25700), (28, 25694), (30, 25646),

Gene: Amploria_36 Start: 26000, Stop: 25821, Start Num: 12
Candidate Starts for Amploria_36:
(Start: 12 @26000 has 19 MA's), (22, 25931), (23, 25919), (27, 25883),

Gene: Amyev_36 Start: 27343, Stop: 27161, Start Num: 12
Candidate Starts for Amyev_36:
(8, 27373), (Start: 12 @27343 has 19 MA's), (21, 27274), (27, 27223), (28, 27217),

Gene: Asa16_36 Start: 27387, Stop: 27208, Start Num: 12
Candidate Starts for Asa16_36:
(Start: 12 @27387 has 19 MA's), (17, 27351), (23, 27306), (27, 27270), (28, 27264),

Gene: Crewmate_42 Start: 26882, Stop: 26715, Start Num: 12
Candidate Starts for Crewmate_42:
(8, 26912), (Start: 12 @26882 has 19 MA's),

Gene: DrManhattan_36 Start: 24637, Stop: 24464, Start Num: 12
Candidate Starts for DrManhattan_36:
(8, 24667), (Start: 12 @24637 has 19 MA's), (20, 24577), (23, 24562), (25, 24550), (27, 24526),

Gene: Elezi_36 Start: 27403, Stop: 27224, Start Num: 12
Candidate Starts for Elezi_36:
(Start: 12 @27403 has 19 MA's), (23, 27322), (27, 27286),

Gene: Eraser_36 Start: 27394, Stop: 27215, Start Num: 12
Candidate Starts for Eraser_36:
(Start: 12 @27394 has 19 MA's), (17, 27358), (23, 27313), (27, 27277), (28, 27271),

Gene: FiveHead_45 Start: 27507, Stop: 27322, Start Num: 11
Candidate Starts for FiveHead_45:
(11, 27507), (17, 27465), (24, 27417), (28, 27375),

Gene: IUFootball_38 Start: 27588, Stop: 27427, Start Num: 13
Candidate Starts for IUFootball_38:
(7, 27654), (Start: 13 @27588 has 3 MA's), (25, 27504), (28, 27474),

Gene: IttyBittyPiggy_37 Start: 25993, Stop: 25829, Start Num: 12
Candidate Starts for IttyBittyPiggy_37:
(8, 26023), (Start: 12 @25993 has 19 MA's), (14, 25981), (27, 25885), (28, 25879),

Gene: JohnThicc_44 Start: 27507, Stop: 27322, Start Num: 11
Candidate Starts for JohnThicc_44:
(11, 27507), (17, 27465), (24, 27417), (28, 27375),

Gene: JuneStar_38 Start: 28123, Stop: 27959, Start Num: 12
Candidate Starts for JuneStar_38:
(10, 28144), (Start: 12 @28123 has 19 MA's), (14, 28111), (27, 28015), (28, 28009), (29, 27979),

Gene: LadyAstra_44 Start: 27607, Stop: 27422, Start Num: 11
Candidate Starts for LadyAstra_44:
(11, 27607), (17, 27565), (24, 27517), (28, 27475),

Gene: Liebe_38 Start: 27588, Stop: 27427, Start Num: 13
Candidate Starts for Liebe_38:
(7, 27654), (Start: 13 @27588 has 3 MA's), (25, 27504), (28, 27474),

Gene: London_36 Start: 27403, Stop: 27224, Start Num: 12
Candidate Starts for London_36:
(Start: 12 @27403 has 19 MA's), (17, 27367), (23, 27322), (27, 27286), (28, 27280),

Gene: MaGuCo_36 Start: 26435, Stop: 26274, Start Num: 13
Candidate Starts for MaGuCo_36:
(Start: 13 @26435 has 3 MA's), (25, 26351), (28, 26321),

Gene: Maureen_38 Start: 27588, Stop: 27427, Start Num: 13
Candidate Starts for Maureen_38:
(7, 27654), (Start: 13 @27588 has 3 MA's), (25, 27504), (28, 27474),

Gene: Niobe_36 Start: 27388, Stop: 27209, Start Num: 12
Candidate Starts for Niobe_36:
(Start: 12 @27388 has 19 MA's), (17, 27352), (23, 27307), (27, 27271), (28, 27265),

Gene: ObiToo_41 Start: 26622, Stop: 26455, Start Num: 12
Candidate Starts for ObiToo_41:
(8, 26652), (Start: 12 @26622 has 19 MA's),

Gene: Origami_43 Start: 27399, Stop: 27214, Start Num: 11
Candidate Starts for Origami_43:
(11, 27399), (17, 27357), (24, 27309), (28, 27267),

Gene: Pixelle_36 Start: 27363, Stop: 27181, Start Num: 12
Candidate Starts for Pixelle_36:
(8, 27393), (Start: 12 @27363 has 19 MA's), (21, 27294), (27, 27243), (28, 27237),

Gene: Reedo_36 Start: 24760, Stop: 24581, Start Num: 12
Candidate Starts for Reedo_36:
(6, 24823), (10, 24781), (Start: 12 @24760 has 19 MA's), (16, 24727), (18, 24718), (25, 24664),

Gene: Schaffner_37 Start: 26900, Stop: 26736, Start Num: 12
Candidate Starts for Schaffner_37:
(2, 26999), (4, 26990), (5, 26963), (8, 26930), (Start: 12 @26900 has 19 MA's), (14, 26888), (15, 26882), (27, 26792),

Gene: Subaru_37 Start: 27403, Stop: 27224, Start Num: 12
Candidate Starts for Subaru_37:
(Start: 12 @27403 has 19 MA's), (23, 27322), (27, 27286),

Gene: Tallboi_37 Start: 27555, Stop: 27376, Start Num: 12
Candidate Starts for Tallboi_37:
(Start: 12 @27555 has 19 MA's), (19, 27501), (20, 27489), (23, 27474), (27, 27438),

Gene: TforTroy_38 Start: 26539, Stop: 26378, Start Num: 12
Candidate Starts for TforTroy_38:
(1, 26653), (3, 26635), (9, 26560), (Start: 12 @26539 has 19 MA's), (26, 26434), (27, 26431), (28, 26425), (29, 26395),

Gene: Tian_36 Start: 27343, Stop: 27161, Start Num: 12
Candidate Starts for Tian_36:
(8, 27373), (Start: 12 @27343 has 19 MA's), (21, 27274), (27, 27223), (28, 27217),

Gene: Yang_69 Start: 26035, Stop: 25871, Start Num: 12
Candidate Starts for Yang_69:
(10, 26056), (Start: 12 @26035 has 19 MA's), (14, 26023), (27, 25927),