

Pham 157941



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 157941 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157941 has 50 members, 8 are drafts.

Phages represented in each track:

- Track 1 : SwirlSquare_49
- Track 2 : BabyBack_43
- Track 3 : MissWhite_44
- Track 4 : Herbertwm_43
- Track 5 : Kazan_47, McFly_46, SmellyB_46, Dorothea_45, EricB_46, Hoot_46, VohminGhazi_46, Candra_46, Kipper29_46
- Track 6 : Blinn1_49, BABullseye_44
- Track 7 : Zaka_46, Artemis2UCLA_46, ToneTone_43, Isiphiwo_44, Tucker_47, Roksolana_47, Wiks_45, Pmask_46, Chartreuse_46, Hexamo_46, CloudWang3_46, Yokurt_46, WunderPhul_46, Jeffabunny_46, Neeharika16_46, JewelBug_48, Jordennis_46, SuperAwesome_46, Zulu_47, Cookiedough_46, Newrala_46, Gruunaga_46, DaVinci_46
- Track 8 : Koko_48
- Track 9 : Helmet_48, Garak_48, Indra_49
- Track 10 : Priamo_48
- Track 11 : Hammer_48
- Track 12 : GreedyLawyer_46
- Track 13 : Rifter_48, Blue7_49
- Track 14 : Charm_43, DreamTeam1_43
- Track 15 : SheaKeira_44

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

The start number called the most often in the published annotations is 5, it was called in 39 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artemis2UCLA_46, BABullseye_44, Blinn1_49, Blue7_49, Candra_46, Charm_43, Chartreuse_46, CloudWang3_46, Cookiedough_46, DaVinci_46, Dorothea_45, DreamTeam1_43, EricB_46, Garak_48, GreedyLawyer_46, Gruunaga_46, Hammer_48, Helmet_48, Hexamo_46, Hoot_46, Indra_49, Isiphiwo_44, Jeffabunny_46, JewelBug_48, Jordennis_46, Kazan_47, Kipper29_46, Koko_48, McFly_46, Neeharika16_46, Newrala_46, Pmask_46, Priamo_48, Rifter_48, Roksolana_47, SmellyB_46, SuperAwesome_46, ToneTone_43, Tucker_47,

VohminGhazi_46, Wiks_45, WunderPhul_46, Yokurt_46, Zaka_46, Zulu_47,

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

- SheaKeira_44,

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

- BabyBack_43, Herbertwm_43, MissWhite_44, SwirlSquare_49,

Summary by start number:

Start 3:

- Found in 1 of 50 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Herbertwm_43 (A2),

Start 5:

- Found in 46 of 50 (92.0%) of genes in pham
- Manual Annotations of this start: 39 of 42
- Called 97.8% of time when present
- Phage (with cluster) where this start called: Artemis2UCLA_46 (A6), BABullseye_44 (A6), Blinn1_49 (A6), Blue7_49 (A6), Candra_46 (A6), Charm_43 (A9), Chartreuse_46 (A6), CloudWang3_46 (A6), Cookiedough_46 (A6), DaVinci_46 (A6), Dorothea_45 (A6), DreamTeam1_43 (A9), EricB_46 (A6), Garak_48 (A6), GreedyLawyer_46 (A6), Gruunaga_46 (A6), Hammer_48 (A6), Helmet_48 (A6), Hexamo_46 (A6), Hoot_46 (A6), Indra_49 (A6), Isiphiwo_44 (A6), Jeffabunny_46 (A6), JewelBug_48 (A6), Jordennis_46 (A6), Kazan_47 (A6), Kipper29_46 (A6), Koko_48 (A6), McFly_46 (A6), Neeharika16_46 (A6), Newrala_46 (A6), Pmask_46 (A6), Priamo_48 (A6), Rifter_48 (A6), Roksolana_47 (A6), SmellyB_46 (A6), SuperAwesome_46 (A6), ToneTone_43 (A6), Tucker_47 (A6), VohminGhazi_46 (A6), Wiks_45 (A6), WunderPhul_46 (A6), Yokurt_46 (A6), Zaka_46 (A6), Zulu_47 (A6),

Start 6:

- Found in 4 of 50 (8.0%) of genes in pham
- Manual Annotations of this start: 2 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyBack_43 (A2), MissWhite_44 (A2), SheaKeira_44 (A9), SwirlSquare_49 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A9, A2, A6,

Info for manual annotations of cluster A2:

- Start number 3 was manually annotated 1 time for cluster A2.
- Start number 6 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A6:

- Start number 5 was manually annotated 37 times for cluster A6.

Info for manual annotations of cluster A9:

- Start number 5 was manually annotated 2 times for cluster A9.
- Start number 6 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: Artemis2UCLA_46 Start: 29520, Stop: 29332, Start Num: 5

Candidate Starts for Artemis2UCLA_46:

(Start: 5 @29520 has 39 MA's), (13, 29436), (14, 29433), (16, 29412), (18, 29388),

Gene: BABullseye_44 Start: 29366, Stop: 29178, Start Num: 5

Candidate Starts for BABullseye_44:

(Start: 5 @29366 has 39 MA's), (13, 29282), (14, 29279), (16, 29258),

Gene: BabyBack_43 Start: 32081, Stop: 31851, Start Num: 6

Candidate Starts for BabyBack_43:

(1, 32216), (Start: 6 @32081 has 2 MA's), (11, 32027), (15, 31988), (22, 31913),

Gene: Blinn1_49 Start: 30331, Stop: 30152, Start Num: 5

Candidate Starts for Blinn1_49:

(Start: 5 @30331 has 39 MA's), (13, 30247), (14, 30244), (16, 30223),

Gene: Blue7_49 Start: 30167, Stop: 29988, Start Num: 5

Candidate Starts for Blue7_49:

(Start: 5 @30167 has 39 MA's), (9, 30122), (14, 30080), (17, 30038), (20, 30014),

Gene: Candra_46 Start: 29859, Stop: 29671, Start Num: 5

Candidate Starts for Candra_46:

(Start: 5 @29859 has 39 MA's), (9, 29814), (14, 29772), (18, 29727),

Gene: Charm_43 Start: 31035, Stop: 30844, Start Num: 5

Candidate Starts for Charm_43:

(1, 31164), (Start: 5 @31035 has 39 MA's), (11, 30984), (23, 30852),

Gene: Chartreuse_46 Start: 29770, Stop: 29582, Start Num: 5

Candidate Starts for Chartreuse_46:

(Start: 5 @29770 has 39 MA's), (13, 29686), (14, 29683), (16, 29662), (18, 29638),

Gene: CloudWang3_46 Start: 29620, Stop: 29432, Start Num: 5

Candidate Starts for CloudWang3_46:

(Start: 5 @29620 has 39 MA's), (13, 29536), (14, 29533), (16, 29512), (18, 29488),

Gene: Cookiedough_46 Start: 29835, Stop: 29647, Start Num: 5

Candidate Starts for Cookiedough_46:

(Start: 5 @29835 has 39 MA's), (13, 29751), (14, 29748), (16, 29727), (18, 29703),

Gene: DaVinci_46 Start: 29824, Stop: 29636, Start Num: 5

Candidate Starts for DaVinci_46:

(Start: 5 @29824 has 39 MA's), (13, 29740), (14, 29737), (16, 29716), (18, 29692),

Gene: Dorothea_45 Start: 29842, Stop: 29654, Start Num: 5

Candidate Starts for Dorothea_45:

(Start: 5 @29842 has 39 MA's), (9, 29797), (14, 29755), (18, 29710),

Gene: DreamTeam1_43 Start: 30909, Stop: 30718, Start Num: 5
Candidate Starts for DreamTeam1_43:
(1, 31038), (Start: 5 @30909 has 39 MA's), (11, 30858), (23, 30726),

Gene: EricB_46 Start: 29816, Stop: 29628, Start Num: 5
Candidate Starts for EricB_46:
(Start: 5 @29816 has 39 MA's), (9, 29771), (14, 29729), (18, 29684),

Gene: Garak_48 Start: 29987, Stop: 29799, Start Num: 5
Candidate Starts for Garak_48:
(Start: 5 @29987 has 39 MA's), (14, 29900), (16, 29879), (18, 29855),

Gene: GreedyLawyer_46 Start: 29823, Stop: 29635, Start Num: 5
Candidate Starts for GreedyLawyer_46:
(Start: 5 @29823 has 39 MA's), (9, 29778), (13, 29739), (14, 29736), (16, 29715), (18, 29691),

Gene: Gruunaga_46 Start: 29823, Stop: 29635, Start Num: 5
Candidate Starts for Gruunaga_46:
(Start: 5 @29823 has 39 MA's), (13, 29739), (14, 29736), (16, 29715), (18, 29691),

Gene: Hammer_48 Start: 29977, Stop: 29798, Start Num: 5
Candidate Starts for Hammer_48:
(Start: 5 @29977 has 39 MA's), (9, 29932), (17, 29848), (20, 29824),

Gene: Helmet_48 Start: 29987, Stop: 29799, Start Num: 5
Candidate Starts for Helmet_48:
(Start: 5 @29987 has 39 MA's), (14, 29900), (16, 29879), (18, 29855),

Gene: Herbertwm_43 Start: 30942, Stop: 30700, Start Num: 3
Candidate Starts for Herbertwm_43:
(Start: 3 @30942 has 1 MA's), (4, 30933), (8, 30882), (10, 30861), (12, 30846), (14, 30825), (21, 30753),

Gene: Hexamo_46 Start: 29608, Stop: 29420, Start Num: 5
Candidate Starts for Hexamo_46:
(Start: 5 @29608 has 39 MA's), (13, 29524), (14, 29521), (16, 29500), (18, 29476),

Gene: Hoot_46 Start: 29801, Stop: 29613, Start Num: 5
Candidate Starts for Hoot_46:
(Start: 5 @29801 has 39 MA's), (9, 29756), (14, 29714), (18, 29669),

Gene: Indra_49 Start: 29988, Stop: 29800, Start Num: 5
Candidate Starts for Indra_49:
(Start: 5 @29988 has 39 MA's), (14, 29901), (16, 29880), (18, 29856),

Gene: Isiphiwo_44 Start: 29360, Stop: 29172, Start Num: 5
Candidate Starts for Isiphiwo_44:
(Start: 5 @29360 has 39 MA's), (13, 29276), (14, 29273), (16, 29252), (18, 29228),

Gene: Jeffabunny_46 Start: 29644, Stop: 29456, Start Num: 5
Candidate Starts for Jeffabunny_46:
(Start: 5 @29644 has 39 MA's), (13, 29560), (14, 29557), (16, 29536), (18, 29512),

Gene: JewelBug_48 Start: 29992, Stop: 29804, Start Num: 5
Candidate Starts for JewelBug_48:
(Start: 5 @29992 has 39 MA's), (13, 29908), (14, 29905), (16, 29884), (18, 29860),

Gene: Jordennis_46 Start: 29831, Stop: 29643, Start Num: 5
Candidate Starts for Jordennis_46:
(Start: 5 @29831 has 39 MA's), (13, 29747), (14, 29744), (16, 29723), (18, 29699),

Gene: Kazan_47 Start: 29829, Stop: 29641, Start Num: 5
Candidate Starts for Kazan_47:
(Start: 5 @29829 has 39 MA's), (9, 29784), (14, 29742), (18, 29697),

Gene: Kipper29_46 Start: 29842, Stop: 29654, Start Num: 5
Candidate Starts for Kipper29_46:
(Start: 5 @29842 has 39 MA's), (9, 29797), (14, 29755), (18, 29710),

Gene: Koko_48 Start: 30516, Stop: 30337, Start Num: 5
Candidate Starts for Koko_48:
(Start: 5 @30516 has 39 MA's), (9, 30471), (17, 30387), (20, 30363),

Gene: McFly_46 Start: 29823, Stop: 29635, Start Num: 5
Candidate Starts for McFly_46:
(Start: 5 @29823 has 39 MA's), (9, 29778), (14, 29736), (18, 29691),

Gene: MissWhite_44 Start: 29921, Stop: 29754, Start Num: 6
Candidate Starts for MissWhite_44:
(Start: 6 @29921 has 2 MA's), (11, 29867),

Gene: Neeharika16_46 Start: 29834, Stop: 29646, Start Num: 5
Candidate Starts for Neeharika16_46:
(Start: 5 @29834 has 39 MA's), (13, 29750), (14, 29747), (16, 29726), (18, 29702),

Gene: Newrala_46 Start: 29834, Stop: 29646, Start Num: 5
Candidate Starts for Newrala_46:
(Start: 5 @29834 has 39 MA's), (13, 29750), (14, 29747), (16, 29726), (18, 29702),

Gene: Pmask_46 Start: 29835, Stop: 29647, Start Num: 5
Candidate Starts for Pmask_46:
(Start: 5 @29835 has 39 MA's), (13, 29751), (14, 29748), (16, 29727), (18, 29703),

Gene: Priamo_48 Start: 30135, Stop: 29947, Start Num: 5
Candidate Starts for Priamo_48:
(2, 30213), (Start: 5 @30135 has 39 MA's), (13, 30051), (14, 30048), (16, 30027), (18, 30003),

Gene: Rifter_48 Start: 29940, Stop: 29761, Start Num: 5
Candidate Starts for Rifter_48:
(Start: 5 @29940 has 39 MA's), (9, 29895), (14, 29853), (17, 29811), (20, 29787),

Gene: Roksolana_47 Start: 29871, Stop: 29683, Start Num: 5
Candidate Starts for Roksolana_47:
(Start: 5 @29871 has 39 MA's), (13, 29787), (14, 29784), (16, 29763), (18, 29739),

Gene: SheaKeira_44 Start: 31011, Stop: 30799, Start Num: 6

Candidate Starts for SheaKeira_44:

(1, 31143), (Start: 5 @31014 has 39 MA's), (Start: 6 @31011 has 2 MA's), (7, 30999), (11, 30960), (18, 30879), (19, 30867),

Gene: SmellyB_46 Start: 29823, Stop: 29635, Start Num: 5

Candidate Starts for SmellyB_46:

(Start: 5 @29823 has 39 MA's), (9, 29778), (14, 29736), (18, 29691),

Gene: SuperAwesome_46 Start: 29834, Stop: 29646, Start Num: 5

Candidate Starts for SuperAwesome_46:

(Start: 5 @29834 has 39 MA's), (13, 29750), (14, 29747), (16, 29726), (18, 29702),

Gene: SwirlSquare_49 Start: 30451, Stop: 30257, Start Num: 6

Candidate Starts for SwirlSquare_49:

(Start: 6 @30451 has 2 MA's), (15, 30358), (17, 30319), (21, 30292), (23, 30265),

Gene: ToneTone_43 Start: 29550, Stop: 29362, Start Num: 5

Candidate Starts for ToneTone_43:

(Start: 5 @29550 has 39 MA's), (13, 29466), (14, 29463), (16, 29442), (18, 29418),

Gene: Tucker_47 Start: 29988, Stop: 29800, Start Num: 5

Candidate Starts for Tucker_47:

(Start: 5 @29988 has 39 MA's), (13, 29904), (14, 29901), (16, 29880), (18, 29856),

Gene: VohminGhazi_46 Start: 29824, Stop: 29636, Start Num: 5

Candidate Starts for VohminGhazi_46:

(Start: 5 @29824 has 39 MA's), (9, 29779), (14, 29737), (18, 29692),

Gene: Wiks_45 Start: 29618, Stop: 29430, Start Num: 5

Candidate Starts for Wiks_45:

(Start: 5 @29618 has 39 MA's), (13, 29534), (14, 29531), (16, 29510), (18, 29486),

Gene: WunderPhul_46 Start: 29616, Stop: 29428, Start Num: 5

Candidate Starts for WunderPhul_46:

(Start: 5 @29616 has 39 MA's), (13, 29532), (14, 29529), (16, 29508), (18, 29484),

Gene: Yokurt_46 Start: 29618, Stop: 29430, Start Num: 5

Candidate Starts for Yokurt_46:

(Start: 5 @29618 has 39 MA's), (13, 29534), (14, 29531), (16, 29510), (18, 29486),

Gene: Zaka_46 Start: 29618, Stop: 29430, Start Num: 5

Candidate Starts for Zaka_46:

(Start: 5 @29618 has 39 MA's), (13, 29534), (14, 29531), (16, 29510), (18, 29486),

Gene: Zulu_47 Start: 29969, Stop: 29781, Start Num: 5

Candidate Starts for Zulu_47:

(Start: 5 @29969 has 39 MA's), (13, 29885), (14, 29882), (16, 29861), (18, 29837),