

Pham 194179



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 194179 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194179 has 38 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Inked_82
- Track 2 : Darby_72, AreFloNak_80
- Track 3 : ElephantMan_76, Niktson_76
- Track 4 : Issa_73, CapnMurica_72, MiniBagel_76, Tenno_75
- Track 5 : Teacup_77
- Track 6 : Nivinsha_77
- Track 7 : Nightmare_77
- Track 8 : Trustiboi_74
- Track 9 : Synopsis_71
- Track 10 : Breylor17_72, DevitoJr_75
- Track 11 : ScienceWizSam_77, CastorTray_78
- Track 12 : Brunswick_77
- Track 13 : Tatanka_70
- Track 14 : Gordon_72
- Track 15 : Loretta_78, Ingrid_82
- Track 16 : Leathea_86
- Track 17 : DoctorPepper_76, MrAaronian_77, Linda_77, Djungelskog_76, Salk_77, Egad_77, Stayer_77, Raunak_78, Sloopyjoe_77, BronxBay_77, StarLord_77, Michelle_77, ProfFrink_77
- Track 18 : Shiba_76

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AreFloNak_80, Breylor17_72, BronxBay_77, Brunswick_77, CapnMurica_72, CastorTray_78, Darby_72, DevitoJr_75, Djungelskog_76, DoctorPepper_76, Egad_77, ElephantMan_76, Gordon_72, Ingrid_82, Inked_82, Issa_73, Linda_77, Loretta_78, Michelle_77, MiniBagel_76, MrAaronian_77, Nightmare_77, Niktson_76, Nivinsha_77, ProfFrink_77, Raunak_78, Salk_77, ScienceWizSam_77, Shiba_76, Sloopyjoe_77, StarLord_77, Stayer_77, Synopsis_71, Tatanka_70, Teacup_77, Tenno_75, Trustiboi_74,

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

-

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

- Leathea_86,

Summary by start number:

Start 2:

- Found in 1 of 38 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leathea_86 (AU6),

Start 4:

- Found in 37 of 38 (97.4%) of genes in pham
- Manual Annotations of this start: 33 of 33
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AreFloNak_80 (AU1), Breylor17_72 (AU1), BronxBay_77 (AW), Brunswick_77 (AU1), CapnMurica_72 (AU1), CastorTray_78 (AU1), Darby_72 (AU1), DevitoJr_75 (AU1), Djungelskog_76 (AW), DoctorPepper_76 (AW), Egad_77 (AW), ElephantMan_76 (AU1), Gordon_72 (AU1), Ingrid_82 (AU3), Inked_82 (AU), Issa_73 (AU1), Linda_77 (AW), Loretta_78 (AU3), Michelle_77 (AW), MiniBagel_76 (AU1), MrAaronian_77 (AW), Nightmare_77 (AU1), Niktson_76 (AU1), Nivinsha_77 (AU1), ProfFrink_77 (AW), Raunak_78 (AW), Salk_77 (AW), ScienceWizSam_77 (AU1), Shiba_76 (AW), Sloopyjoe_77 (AW), StarLord_77 (AW), Stayer_77 (AW), Synopsis_71 (AU1), Tatanka_70 (AU1), Teacup_77 (AU1), Tenno_75 (AU1), Trustiboi_74 (AU1),

Summary by clusters:

There are 5 clusters represented in this pham: AU1, AU3, AU, AW, AU6,

Info for manual annotations of cluster AU:

- Start number 4 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU1:

- Start number 4 was manually annotated 17 times for cluster AU1.

Info for manual annotations of cluster AU3:

- Start number 4 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AW:

- Start number 4 was manually annotated 13 times for cluster AW.

Gene Information:

Gene: AreFloNak_80 Start: 50058, Stop: 50525, Start Num: 4

Candidate Starts for AreFloNak_80:

(Start: 4 @50058 has 33 MA's), (7, 50118), (11, 50259), (16, 50370), (18, 50406), (28, 50490), (34, 50514),

Gene: Breylor17_72 Start: 50448, Stop: 50915, Start Num: 4

Candidate Starts for Breylor17_72:

(Start: 4 @50448 has 33 MA's), (7, 50508), (11, 50649), (18, 50796), (28, 50880), (34, 50904),

Gene: BronxBay_77 Start: 48274, Stop: 48738, Start Num: 4

Candidate Starts for BronxBay_77:

(Start: 4 @48274 has 33 MA's), (14, 48544), (21, 48652), (23, 48691), (30, 48706),

Gene: Brunswick_77 Start: 50186, Stop: 50659, Start Num: 4

Candidate Starts for Brunswick_77:

(3, 50138), (Start: 4 @50186 has 33 MA's), (11, 50387), (18, 50543), (28, 50627),

Gene: CapnMurica_72 Start: 50515, Stop: 50991, Start Num: 4

Candidate Starts for CapnMurica_72:

(Start: 4 @50515 has 33 MA's), (9, 50692), (11, 50716), (18, 50872), (28, 50956),

Gene: CastorTray_78 Start: 50576, Stop: 51043, Start Num: 4

Candidate Starts for CastorTray_78:

(Start: 4 @50576 has 33 MA's), (7, 50636), (18, 50924), (28, 51008), (34, 51032),

Gene: Darby_72 Start: 49622, Stop: 50089, Start Num: 4

Candidate Starts for Darby_72:

(Start: 4 @49622 has 33 MA's), (7, 49682), (11, 49823), (16, 49934), (18, 49970), (28, 50054), (34, 50078),

Gene: DevitoJr_75 Start: 50004, Stop: 50471, Start Num: 4

Candidate Starts for DevitoJr_75:

(Start: 4 @50004 has 33 MA's), (7, 50064), (11, 50205), (18, 50352), (28, 50436), (34, 50460),

Gene: Djungelskog_76 Start: 48276, Stop: 48740, Start Num: 4

Candidate Starts for Djungelskog_76:

(Start: 4 @48276 has 33 MA's), (14, 48546), (21, 48654), (23, 48693), (30, 48708),

Gene: DoctorPepper_76 Start: 47969, Stop: 48433, Start Num: 4

Candidate Starts for DoctorPepper_76:

(Start: 4 @47969 has 33 MA's), (14, 48239), (21, 48347), (23, 48386), (30, 48401),

Gene: Egad_77 Start: 48243, Stop: 48707, Start Num: 4

Candidate Starts for Egad_77:

(Start: 4 @48243 has 33 MA's), (14, 48513), (21, 48621), (23, 48660), (30, 48675),

Gene: ElephantMan_76 Start: 50779, Stop: 51252, Start Num: 4

Candidate Starts for ElephantMan_76:

(Start: 4 @50779 has 33 MA's), (7, 50839), (18, 51136), (28, 51220),

Gene: Gordon_72 Start: 50418, Stop: 50885, Start Num: 4

Candidate Starts for Gordon_72:

(Start: 4 @50418 has 33 MA's), (7, 50478), (11, 50619), (18, 50766), (24, 50838), (28, 50850), (33, 50871),

Gene: Ingrid_82 Start: 50381, Stop: 50857, Start Num: 4
Candidate Starts for Ingrid_82:
(Start: 4 @50381 has 33 MA's), (13, 50603), (18, 50729), (19, 50741), (28, 50813), (31, 50819),

Gene: Inked_82 Start: 51097, Stop: 51561, Start Num: 4
Candidate Starts for Inked_82:
(Start: 4 @51097 has 33 MA's), (14, 51367), (26, 51523),

Gene: Issa_73 Start: 49586, Stop: 50062, Start Num: 4
Candidate Starts for Issa_73:
(Start: 4 @49586 has 33 MA's), (9, 49763), (11, 49787), (18, 49943), (28, 50027),

Gene: Leathea_86 Start: 48939, Stop: 49490, Start Num: 2
Candidate Starts for Leathea_86:
(1, 48924), (2, 48939), (5, 49029), (6, 49056), (8, 49110), (10, 49194), (14, 49278), (15, 49308), (17, 49353), (20, 49380), (22, 49389), (25, 49437), (27, 49440), (29, 49443), (32, 49455), (35, 49473),

Gene: Linda_77 Start: 48256, Stop: 48720, Start Num: 4
Candidate Starts for Linda_77:
(Start: 4 @48256 has 33 MA's), (14, 48526), (21, 48634), (23, 48673), (30, 48688),

Gene: Loretta_78 Start: 50381, Stop: 50857, Start Num: 4
Candidate Starts for Loretta_78:
(Start: 4 @50381 has 33 MA's), (13, 50603), (18, 50729), (19, 50741), (28, 50813), (31, 50819),

Gene: Michelle_77 Start: 48273, Stop: 48737, Start Num: 4
Candidate Starts for Michelle_77:
(Start: 4 @48273 has 33 MA's), (14, 48543), (21, 48651), (23, 48690), (30, 48705),

Gene: MiniBagel_76 Start: 50519, Stop: 50995, Start Num: 4
Candidate Starts for MiniBagel_76:
(Start: 4 @50519 has 33 MA's), (9, 50696), (11, 50720), (18, 50876), (28, 50960),

Gene: MrAaronian_77 Start: 48273, Stop: 48737, Start Num: 4
Candidate Starts for MrAaronian_77:
(Start: 4 @48273 has 33 MA's), (14, 48543), (21, 48651), (23, 48690), (30, 48705),

Gene: Nightmare_77 Start: 50946, Stop: 51422, Start Num: 4
Candidate Starts for Nightmare_77:
(3, 50898), (Start: 4 @50946 has 33 MA's), (7, 51006), (11, 51147), (18, 51303), (28, 51387),

Gene: Niktson_76 Start: 50779, Stop: 51252, Start Num: 4
Candidate Starts for Niktson_76:
(Start: 4 @50779 has 33 MA's), (7, 50839), (18, 51136), (28, 51220),

Gene: Nivinsha_77 Start: 50059, Stop: 50526, Start Num: 4
Candidate Starts for Nivinsha_77:
(Start: 4 @50059 has 33 MA's), (7, 50119), (11, 50260), (16, 50371), (18, 50407), (34, 50515),

Gene: ProfFrink_77 Start: 48242, Stop: 48706, Start Num: 4
Candidate Starts for ProfFrink_77:
(Start: 4 @48242 has 33 MA's), (14, 48512), (21, 48620), (23, 48659), (30, 48674),

Gene: Raunak_78 Start: 47952, Stop: 48416, Start Num: 4
Candidate Starts for Raunak_78:
(Start: 4 @47952 has 33 MA's), (14, 48222), (21, 48330), (23, 48369), (30, 48384),

Gene: Salk_77 Start: 48256, Stop: 48720, Start Num: 4
Candidate Starts for Salk_77:
(Start: 4 @48256 has 33 MA's), (14, 48526), (21, 48634), (23, 48673), (30, 48688),

Gene: ScienceWizSam_77 Start: 50177, Stop: 50644, Start Num: 4
Candidate Starts for ScienceWizSam_77:
(Start: 4 @50177 has 33 MA's), (7, 50237), (18, 50525), (28, 50609), (34, 50633),

Gene: Shiba_76 Start: 47968, Stop: 48432, Start Num: 4
Candidate Starts for Shiba_76:
(Start: 4 @47968 has 33 MA's), (14, 48238), (23, 48385), (30, 48400),

Gene: Sloopyjoe_77 Start: 48275, Stop: 48739, Start Num: 4
Candidate Starts for Sloopyjoe_77:
(Start: 4 @48275 has 33 MA's), (14, 48545), (21, 48653), (23, 48692), (30, 48707),

Gene: StarLord_77 Start: 48268, Stop: 48732, Start Num: 4
Candidate Starts for StarLord_77:
(Start: 4 @48268 has 33 MA's), (14, 48538), (21, 48646), (23, 48685), (30, 48700),

Gene: Stayer_77 Start: 48271, Stop: 48735, Start Num: 4
Candidate Starts for Stayer_77:
(Start: 4 @48271 has 33 MA's), (14, 48541), (21, 48649), (23, 48688), (30, 48703),

Gene: Synopsis_71 Start: 49985, Stop: 50452, Start Num: 4
Candidate Starts for Synopsis_71:
(Start: 4 @49985 has 33 MA's), (7, 50045), (11, 50186), (16, 50297), (18, 50333),

Gene: Tatanka_70 Start: 50163, Stop: 50630, Start Num: 4
Candidate Starts for Tatanka_70:
(Start: 4 @50163 has 33 MA's), (7, 50223), (12, 50373), (18, 50511), (28, 50595), (34, 50619),

Gene: Teacup_77 Start: 50837, Stop: 51313, Start Num: 4
Candidate Starts for Teacup_77:
(3, 50789), (Start: 4 @50837 has 33 MA's), (11, 51038), (18, 51194), (28, 51278),

Gene: Tenno_75 Start: 50552, Stop: 51028, Start Num: 4
Candidate Starts for Tenno_75:
(Start: 4 @50552 has 33 MA's), (9, 50729), (11, 50753), (18, 50909), (28, 50993),

Gene: Trustiboi_74 Start: 50266, Stop: 50733, Start Num: 4
Candidate Starts for Trustiboi_74:
(Start: 4 @50266 has 33 MA's), (7, 50326), (11, 50467), (16, 50578), (18, 50614), (28, 50698),