

Pham 191382



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 191382 Report

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

Pham number 191382 has 35 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Mordred_79, JaNo_78
- Track 2 : RosiePosie_79, Linus_79, EdgarPoe_78, Scavito_80, Chipper1996_800, HumptyDumpty_79, Kabreeze_79, PrincessTrina_80, Tophat_80, Chocolat_79, Chubster_80
- Track 3 : Colucci_81
- Track 4 : ArV1_065
- Track 5 : Lymara_75
- Track 6 : Lawnathon_42
- Track 7 : Anekin_38
- Track 8 : Sakai_42, Gorpy_43, YoungHarleezy_42, Aikyam_39
- Track 9 : Richie_42
- Track 10 : Auxilium_40
- Track 11 : MidnightRain_44
- Track 12 : Isolde_43
- Track 13 : AbbyDaisy_37
- Track 14 : Persistence_36
- Track 15 : Judy_38
- Track 16 : ChuckDuck_38
- Track 17 : Bauer_37
- Track 18 : Zucker_33
- Track 19 : CocoCinnamon_57
- Track 20 : Pitbull_73
- Track 21 : MrSmeem_29

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

The start number called the most often in the published annotations is 10, it was called in 13 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArV1_065, Chipper1996_800, Chocolat_79, Chubster_80, Colucci_81, EdgarPoe_78, HumptyDumpty_79, Kabreeze_79, Linus_79, Lymara_75, PrincessTrina_80, RosiePosie_79, Scavito_80, Tophat_80,

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

- JaNo_78, Mordred_79,

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

- AbbyDaisy_37, Aikyam_39, Anekin_38, Auxilium_40, Bauer_37, ChuckDuck_38, CocoCinnamon_57, Gorpy_43, Isolde_43, Judy_38, Lawnathon_42, MidnightRain_44, MrSmee_29, Persistence_36, Pitbull_73, Richie_42, Sakai_42, YoungHarleezy_42, Zucker_33,

Summary by start number:

Start 8:

- Found in 15 of 35 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 29
- Called 13.3% of time when present
- Phage (with cluster) where this start called: JaNo_78 (AR), Mordred_79 (AR),

Start 10:

- Found in 16 of 35 (45.7%) of genes in pham
- Manual Annotations of this start: 13 of 29
- Called 87.5% of time when present
- Phage (with cluster) where this start called: ArV1_065 (AR), Chipper1996_800 (AR), Chocolat_79 (AR), Chubster_80 (AR), Colucci_81 (AR), EdgarPoe_78 (AR), HumptyDumpty_79 (AR), Kabreeze_79 (AR), Linus_79 (AR), Lymara_75 (AR), PrincessTrina_80 (AR), RosiePosie_79 (AR), Scavito_80 (AR), Tophat_80 (AR),

Start 13:

- Found in 2 of 35 (5.7%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MidnightRain_44 (AY),

Start 17:

- Found in 1 of 35 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CocoCinnamon_57 (FO),

Start 19:

- Found in 1 of 35 (2.9%) of genes in pham
- Manual Annotations of this start: 1 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anekin_38 (AY),

Start 20:

- Found in 16 of 35 (45.7%) of genes in pham
- Manual Annotations of this start: 12 of 29
- Called 93.8% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_37 (AY), Aikyam_39 (AY), Auxilium_40 (AY), Bauer_37 (FN), ChuckDuck_38 (FA), Gorpy_43 (AY), Isolde_43 (AY), Judy_38 (FA), Lawnathon_42 (AY), Persistence_36 (AY), Pitbull_73 (FQ), Richie_42 (AY), Sakai_42 (AY), YoungHarleezy_42 (AY), Zucker_33 (FN),

Start 31:

- Found in 1 of 35 (2.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MrSmee_29 (UNK),

Summary by clusters:

There are 7 clusters represented in this pham: FQ, FA, AR, AY, UNK, FN, FO,

Info for manual annotations of cluster AR:

- Start number 8 was manually annotated 2 times for cluster AR.
- Start number 10 was manually annotated 13 times for cluster AR.

Info for manual annotations of cluster AY:

- Start number 13 was manually annotated 1 time for cluster AY.
- Start number 19 was manually annotated 1 time for cluster AY.
- Start number 20 was manually annotated 7 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 20 was manually annotated 2 times for cluster FA.

Info for manual annotations of cluster FN:

- Start number 20 was manually annotated 2 times for cluster FN.

Info for manual annotations of cluster FQ:

- Start number 20 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: AbbyDaisy_37 Start: 27733, Stop: 27410, Start Num: 20

Candidate Starts for AbbyDaisy_37:

(Start: 20 @27733 has 12 MA's), (22, 27721), (34, 27661), (56, 27529),

Gene: Aikyam_39 Start: 26132, Stop: 25803, Start Num: 20

Candidate Starts for Aikyam_39:

(Start: 20 @26132 has 12 MA's), (29, 26069), (30, 26066), (48, 25937), (55, 25916), (70, 25865),

Gene: Anekin_38 Start: 27545, Stop: 27171, Start Num: 19

Candidate Starts for Anekin_38:

(3, 27608), (12, 27578), (Start: 19 @27545 has 1 MA's), (26, 27494), (28, 27482), (39, 27407), (41, 27395), (47, 27356), (49, 27344),

Gene: ArV1_065 Start: 50268, Stop: 50690, Start Num: 10

Candidate Starts for ArV1_065:

(Start: 8 @50262 has 2 MA's), (Start: 10 @50268 has 13 MA's), (14, 50283), (36, 50412), (43, 50472), (49, 50505), (60, 50577), (68, 50604), (70, 50622),

Gene: Auxilium_40 Start: 25834, Stop: 25505, Start Num: 20

Candidate Starts for Auxilium_40:

(Start: 20 @25834 has 12 MA's), (35, 25726), (48, 25639), (55, 25618), (70, 25567),

Gene: Bauer_37 Start: 26477, Stop: 26764, Start Num: 20

Candidate Starts for Bauer_37:

(5, 26429), (7, 26435), (Start: 20 @26477 has 12 MA's), (22, 26489), (58, 26654), (64, 26681), (69, 26690), (71, 26702), (73, 26720),

Gene: Chipper1996_800 Start: 51561, Stop: 51953, Start Num: 10

Candidate Starts for Chipper1996_800:

(Start: 8 @51555 has 2 MA's), (Start: 10 @51561 has 13 MA's), (24, 51636), (25, 51639), (36, 51711), (43, 51771), (48, 51801), (52, 51822), (53, 51825), (57, 51849),

Gene: Chocolat_79 Start: 51268, Stop: 51660, Start Num: 10

Candidate Starts for Chocolat_79:

(Start: 8 @51262 has 2 MA's), (Start: 10 @51268 has 13 MA's), (24, 51343), (25, 51346), (36, 51418), (43, 51478), (48, 51508), (52, 51529), (53, 51532), (57, 51556),

Gene: Chubster_80 Start: 51962, Stop: 52354, Start Num: 10

Candidate Starts for Chubster_80:

(Start: 8 @51956 has 2 MA's), (Start: 10 @51962 has 13 MA's), (24, 52037), (25, 52040), (36, 52112), (43, 52172), (48, 52202), (52, 52223), (53, 52226), (57, 52250),

Gene: ChuckDuck_38 Start: 26145, Stop: 26492, Start Num: 20

Candidate Starts for ChuckDuck_38:

(1, 26001), (2, 26004), (Start: 20 @26145 has 12 MA's), (58, 26379), (64, 26406),

Gene: CocoCinnamon_57 Start: 35240, Stop: 35584, Start Num: 17

Candidate Starts for CocoCinnamon_57:

(11, 35210), (Start: 13 @35219 has 1 MA's), (15, 35234), (17, 35240), (18, 35243), (21, 35252), (27, 35300), (37, 35366), (38, 35387), (59, 35492),

Gene: Colucci_81 Start: 51910, Stop: 52302, Start Num: 10

Candidate Starts for Colucci_81:

(Start: 10 @51910 has 13 MA's), (36, 52060), (43, 52120), (48, 52150), (53, 52174), (57, 52198), (74, 52285),

Gene: EdgarPoe_78 Start: 51425, Stop: 51817, Start Num: 10

Candidate Starts for EdgarPoe_78:

(Start: 8 @51419 has 2 MA's), (Start: 10 @51425 has 13 MA's), (24, 51500), (25, 51503), (36, 51575), (43, 51635), (48, 51665), (52, 51686), (53, 51689), (57, 51713),

Gene: Gorpy_43 Start: 29526, Stop: 29197, Start Num: 20

Candidate Starts for Gorpy_43:

(Start: 20 @29526 has 12 MA's), (29, 29463), (30, 29460), (48, 29331), (55, 29310), (70, 29259),

Gene: HumptyDumpty_79 Start: 51228, Stop: 51620, Start Num: 10

Candidate Starts for HumptyDumpty_79:

(Start: 8 @51222 has 2 MA's), (Start: 10 @51228 has 13 MA's), (24, 51303), (25, 51306), (36, 51378), (43, 51438), (48, 51468), (52, 51489), (53, 51492), (57, 51516),

Gene: Isolde_43 Start: 28418, Stop: 28056, Start Num: 20

Candidate Starts for Isolde_43:

(Start: 20 @28418 has 12 MA's), (35, 28310), (49, 28220), (56, 28169), (60, 28151), (67, 28133),

Gene: JaNo_78 Start: 51193, Stop: 51591, Start Num: 8

Candidate Starts for JaNo_78:

(Start: 8 @51193 has 2 MA's), (Start: 10 @51199 has 13 MA's), (24, 51274), (25, 51277), (36, 51349), (43, 51409), (48, 51439), (52, 51460), (53, 51463), (57, 51487),

Gene: Judy_38 Start: 26628, Stop: 26987, Start Num: 20

Candidate Starts for Judy_38:

(Start: 20 @26628 has 12 MA's), (22, 26640),

Gene: Kabreeze_79 Start: 51285, Stop: 51677, Start Num: 10

Candidate Starts for Kabreeze_79:

(Start: 8 @51279 has 2 MA's), (Start: 10 @51285 has 13 MA's), (24, 51360), (25, 51363), (36, 51435), (43, 51495), (48, 51525), (52, 51546), (53, 51549), (57, 51573),

Gene: Lawnathon_42 Start: 28163, Stop: 27801, Start Num: 20

Candidate Starts for Lawnathon_42:

(Start: 20 @28163 has 12 MA's), (49, 27965), (56, 27914), (60, 27896), (67, 27878),

Gene: Linus_79 Start: 51733, Stop: 52125, Start Num: 10

Candidate Starts for Linus_79:

(Start: 8 @51727 has 2 MA's), (Start: 10 @51733 has 13 MA's), (24, 51808), (25, 51811), (36, 51883), (43, 51943), (48, 51973), (52, 51994), (53, 51997), (57, 52021),

Gene: Lymara_75 Start: 50005, Stop: 50436, Start Num: 10

Candidate Starts for Lymara_75:

(Start: 8 @49999 has 2 MA's), (Start: 10 @50005 has 13 MA's), (14, 50020), (32, 50128), (33, 50134), (40, 50179), (42, 50197), (44, 50206), (45, 50215), (51, 50242), (63, 50323), (76, 50425),

Gene: MidnightRain_44 Start: 29060, Stop: 28755, Start Num: 13

Candidate Starts for MidnightRain_44:

(Start: 13 @29060 has 1 MA's), (Start: 20 @29042 has 12 MA's), (32, 28976), (49, 28919), (56, 28868), (60, 28850), (67, 28832),

Gene: Mordred_79 Start: 51318, Stop: 51716, Start Num: 8

Candidate Starts for Mordred_79:

(Start: 8 @51318 has 2 MA's), (Start: 10 @51324 has 13 MA's), (24, 51399), (25, 51402), (36, 51474), (43, 51534), (48, 51564), (52, 51585), (53, 51588), (57, 51612),

Gene: MrSmee_29 Start: 23244, Stop: 22936, Start Num: 31

Candidate Starts for MrSmee_29:

(4, 23382), (6, 23373), (9, 23367), (16, 23334), (23, 23307), (31, 23244), (41, 23172), (72, 22995),

Gene: Persistence_36 Start: 26553, Stop: 26230, Start Num: 20

Candidate Starts for Persistence_36:

(Start: 20 @26553 has 12 MA's), (22, 26541), (32, 26490), (34, 26481), (46, 26415), (56, 26349),

Gene: Pitbull_73 Start: 38580, Stop: 38888, Start Num: 20

Candidate Starts for Pitbull_73:

(Start: 20 @38580 has 12 MA's), (23, 38598), (32, 38640), (44, 38694), (51, 38730), (54, 38754), (66, 38805), (75, 38883),

Gene: PrincessTrina_80 Start: 51629, Stop: 52021, Start Num: 10

Candidate Starts for PrincessTrina_80:

(Start: 8 @51623 has 2 MA's), (Start: 10 @51629 has 13 MA's), (24, 51704), (25, 51707), (36, 51779), (43, 51839), (48, 51869), (52, 51890), (53, 51893), (57, 51917),

Gene: Richie_42 Start: 28324, Stop: 27962, Start Num: 20

Candidate Starts for Richie_42:

(Start: 20 @28324 has 12 MA's), (35, 28216), (49, 28126), (56, 28075), (60, 28057), (67, 28039),

Gene: RosiePosie_79 Start: 51413, Stop: 51805, Start Num: 10

Candidate Starts for RosiePosie_79:

(Start: 8 @51407 has 2 MA's), (Start: 10 @51413 has 13 MA's), (24, 51488), (25, 51491), (36, 51563), (43, 51623), (48, 51653), (52, 51674), (53, 51677), (57, 51701),

Gene: Sakai_42 Start: 28237, Stop: 27908, Start Num: 20

Candidate Starts for Sakai_42:

(Start: 20 @28237 has 12 MA's), (29, 28174), (30, 28171), (48, 28042), (55, 28021), (70, 27970),

Gene: Scavito_80 Start: 51373, Stop: 51765, Start Num: 10

Candidate Starts for Scavito_80:

(Start: 8 @51367 has 2 MA's), (Start: 10 @51373 has 13 MA's), (24, 51448), (25, 51451), (36, 51523), (43, 51583), (48, 51613), (52, 51634), (53, 51637), (57, 51661),

Gene: Tophat_80 Start: 51562, Stop: 51954, Start Num: 10

Candidate Starts for Tophat_80:

(Start: 8 @51556 has 2 MA's), (Start: 10 @51562 has 13 MA's), (24, 51637), (25, 51640), (36, 51712), (43, 51772), (48, 51802), (52, 51823), (53, 51826), (57, 51850),

Gene: YoungHarleezy_42 Start: 28307, Stop: 27978, Start Num: 20

Candidate Starts for YoungHarleezy_42:

(Start: 20 @28307 has 12 MA's), (29, 28244), (30, 28241), (48, 28112), (55, 28091), (70, 28040),

Gene: Zucker_33 Start: 26898, Stop: 26590, Start Num: 20

Candidate Starts for Zucker_33:

(Start: 20 @26898 has 12 MA's), (32, 26835), (50, 26748), (61, 26688), (62, 26685), (65, 26676),