Pham 344230


6
8
17
18
21
1: Ashballer_9 + 25
6
11
13
19
2: BeatusComedenti_77
6
11
13
19
3: Kitkat_78
2
9
10
11
15
16
23
4: DanielleIgnace_85
6
11
13
19
5: KellEzio_76
1
3
4
5
7
12
14
20
21
22
6: GrootJr_1 + 2

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 344230 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344230 has 33 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ashballer_9, Rubeus_11, Fajezeel_12, Jerm2_11, PattyP_12, Rufus_11, Pippin_12, Rutherferd_12, DreamCatcher_13, Museum_12, Greg_12, Fushigi_11, Bruns_9, GageAP_12, Marge_11, Kenmech_13, Niza_12, Treddle_12, SpikeBT_12, Gyzlar_12, Sibs6_12, Mkhuseli_10, Monet_12, Acme_12, Burton_11, BigMau_12
• Track 2 : BeatusComedenti_77
• Track 3 : Kitkat_78
• Track 4 : DanielleIgnace_85
• Track 5 : KellEzio_76
• Track 6 : GrootJr_1, NatB6_1, NovumRegina_1

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

The start number called the most often in the published annotations is 6, it was called in 28 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acme_12, Ashballer_9, BeatusComedenti_77, BigMau_12, Bruns_9, Burton_11, DreamCatcher_13, Fajezeel_12, Fushigi_11, GageAP_12, Greg_12, Gyzlar_12, Jerm2_11, KellEzio_76, Kenmech_13, Kitkat_78, Marge_11, Mkhuseli_10, Monet_12, Museum_12, Niza_12, PattyP_12, Pippin_12, Rubeus_11, Rufus_11, Rutherferd_12, Sibs6_12, SpikeBT_12, Treddle_12,

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

Genes that do not have the "Most Annotated" start:
• DanielleIgnace_85, GrootJr_1, NatB6_1, NovumRegina_1,

Summary by start number:

Start 2:
• Found in 1 of 33 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 32
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DanielleIgnace_85 (AT),

Start 4:
• Found in 3 of 33 (9.1%) of genes in pham
• Manual Annotations of this start: 3 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GrootJr_1 (CR2), NatB6_1 (CR2), NovumRegina_1 (CR2),

Start 6:
• Found in 29 of 33 (87.9%) of genes in pham
• Manual Annotations of this start: 28 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acme_12 (A1), Ashballer_9 (A1), BeatusComedenti_77 (AT), BigMau_12 (A1), Bruns_9 (A1), Burton_11 (A1), DreamCatcher_13 (A1), Fajezeel_12 (A1), Fushigi_11 (A1), GageAP_12 (A1), Greg_12 (A1), Gyzlar_12 (A1), Jerm2_11 (A1), KellEzio_76 (AT), Kenmech_13 (A1), Kitkat_78 (AT), Marge_11 (A1), Mkhuseli_10 (A1), Monet_12 (A1), Museum_12 (A1), Niza_12 (A1), PattyP_12 (A1), Pippin_12 (A1), Rubeus_11 (A1), Rufus_11 (A1), Rutherferd_12 (A1), Sibs6_12 (A1), SpikeBT_12 (A1), Treddle_12 (A1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, CR2, AT,

Info for manual annotations of cluster A1:
•Start number 6 was manually annotated 25 times for cluster A1.

Info for manual annotations of cluster AT:
•Start number 2 was manually annotated 1 time for cluster AT.
•Start number 6 was manually annotated 3 times for cluster AT.

Info for manual annotations of cluster CR2:
•Start number 4 was manually annotated 3 times for cluster CR2.

Gene Information:

Gene: Acme_12 Start: 6852, Stop: 7370, Start Num: 6
Candidate Starts for Acme_12:
(Start: 6 @6852 has 28 MA's), (8, 6918), (17, 7215), (18, 7221), (21, 7323),

Gene: Ashballer_9 Start: 6492, Stop: 7010, Start Num: 6
Candidate Starts for Ashballer_9:
(Start: 6 @6492 has 28 MA's), (8, 6558), (17, 6855), (18, 6861), (21, 6963),

Gene: BeatusComedenti_77 Start: 46978, Stop: 47505, Start Num: 6
Candidate Starts for BeatusComedenti_77:
(Start: 6 @46978 has 28 MA's), (11, 47233), (13, 47287), (19, 47386),

Gene: BigMau_12 Start: 6719, Stop: 7237, Start Num: 6
Candidate Starts for BigMau_12:

(Start: 6 @6719 has 28 MA's), (8, 6785), (17, 7082), (18, 7088), (21, 7190),

Gene: Bruns_9 Start: 6422, Stop: 6940, Start Num: 6
Candidate Starts for Bruns_9:
(Start: 6 @6422 has 28 MA's), (8, 6488), (17, 6785), (18, 6791), (21, 6893),

Gene: Burton_11 Start: 6622, Stop: 7140, Start Num: 6
Candidate Starts for Burton_11:
(Start: 6 @6622 has 28 MA's), (8, 6688), (17, 6985), (18, 6991), (21, 7093),

Gene: DanielleIgnace_85 Start: 51004, Stop: 51654, Start Num: 2
Candidate Starts for DanielleIgnace_85:
(Start: 2 @51004 has 1 MA's), (9, 51211), (10, 51325), (11, 51373), (15, 51454), (16, 51475), (23, 51616),

Gene: DreamCatcher_13 Start: 7699, Stop: 8217, Start Num: 6
Candidate Starts for DreamCatcher_13:
(Start: 6 @7699 has 28 MA's), (8, 7765), (17, 8062), (18, 8068), (21, 8170),

Gene: Fajezeel_12 Start: 6818, Stop: 7336, Start Num: 6
Candidate Starts for Fajezeel_12:
(Start: 6 @6818 has 28 MA's), (8, 6884), (17, 7181), (18, 7187), (21, 7289),

Gene: Fushigi_11 Start: 6909, Stop: 7427, Start Num: 6
Candidate Starts for Fushigi_11:
(Start: 6 @6909 has 28 MA's), (8, 6975), (17, 7272), (18, 7278), (21, 7380),

Gene: GageAP_12 Start: 7234, Stop: 7752, Start Num: 6
Candidate Starts for GageAP_12:
(Start: 6 @7234 has 28 MA's), (8, 7300), (17, 7597), (18, 7603), (21, 7705),

Gene: Greg_12 Start: 6818, Stop: 7336, Start Num: 6
Candidate Starts for Greg_12:
(Start: 6 @6818 has 28 MA's), (8, 6884), (17, 7181), (18, 7187), (21, 7289),

Gene: GrootJr_1 Start: 214, Stop: 828, Start Num: 4
Candidate Starts for GrootJr_1:
(1, 67), (3, 196), (Start: 4 @214 has 3 MA's), (5, 217), (7, 271), (12, 547), (14, 577), (20, 673), (21, 742), (22, 754),

Gene: Gyzlar_12 Start: 7448, Stop: 7966, Start Num: 6
Candidate Starts for Gyzlar_12:
(Start: 6 @7448 has 28 MA's), (8, 7514), (17, 7811), (18, 7817), (21, 7919),

Gene: Jerm2_11 Start: 6719, Stop: 7237, Start Num: 6
Candidate Starts for Jerm2_11:
(Start: 6 @6719 has 28 MA's), (8, 6785), (17, 7082), (18, 7088), (21, 7190),

Gene: KellEzio_76 Start: 46754, Stop: 47281, Start Num: 6
Candidate Starts for KellEzio_76:
(Start: 6 @46754 has 28 MA's), (11, 47009), (13, 47063), (19, 47162),

Gene: Kenmech_13 Start: 7591, Stop: 8109, Start Num: 6

Candidate Starts for Kenmech_13:
(Start: 6 @7591 has 28 MA's), (8, 7657), (17, 7954), (18, 7960), (21, 8062),

Gene: Kitkat_78 Start: 47043, Stop: 47570, Start Num: 6
Candidate Starts for Kitkat_78:
(Start: 6 @47043 has 28 MA's), (11, 47298), (13, 47352), (19, 47451),

Gene: Marge_11 Start: 6955, Stop: 7473, Start Num: 6
Candidate Starts for Marge_11:
(Start: 6 @6955 has 28 MA's), (8, 7021), (17, 7318), (18, 7324), (21, 7426),

Gene: Mkhuseli_10 Start: 6576, Stop: 7094, Start Num: 6
Candidate Starts for Mkhuseli_10:
(Start: 6 @6576 has 28 MA's), (8, 6642), (17, 6939), (18, 6945), (21, 7047),

Gene: Monet_12 Start: 7472, Stop: 7990, Start Num: 6
Candidate Starts for Monet_12:
(Start: 6 @7472 has 28 MA's), (8, 7538), (17, 7835), (18, 7841), (21, 7943),

Gene: Museum_12 Start: 6561, Stop: 7079, Start Num: 6
Candidate Starts for Museum_12:
(Start: 6 @6561 has 28 MA's), (8, 6627), (17, 6924), (18, 6930), (21, 7032),

Gene: NatB6_1 Start: 214, Stop: 828, Start Num: 4
Candidate Starts for NatB6_1:
(1, 67), (3, 196), (Start: 4 @214 has 3 MA's), (5, 217), (7, 271), (12, 547), (14, 577), (20, 673), (21, 742), (22, 754),

Gene: Niza_12 Start: 7581, Stop: 8099, Start Num: 6
Candidate Starts for Niza_12:
(Start: 6 @7581 has 28 MA's), (8, 7647), (17, 7944), (18, 7950), (21, 8052),

Gene: NovumRegina_1 Start: 214, Stop: 828, Start Num: 4
Candidate Starts for NovumRegina_1:
(1, 67), (3, 196), (Start: 4 @214 has 3 MA's), (5, 217), (7, 271), (12, 547), (14, 577), (20, 673), (21, 742), (22, 754),

Gene: PattyP_12 Start: 6770, Stop: 7288, Start Num: 6
Candidate Starts for PattyP_12:
(Start: 6 @6770 has 28 MA's), (8, 6836), (17, 7133), (18, 7139), (21, 7241),

Gene: Pippin_12 Start: 6820, Stop: 7338, Start Num: 6
Candidate Starts for Pippin_12:
(Start: 6 @6820 has 28 MA's), (8, 6886), (17, 7183), (18, 7189), (21, 7291),

Gene: Rubeus_11 Start: 6578, Stop: 7096, Start Num: 6
Candidate Starts for Rubeus_11:
(Start: 6 @6578 has 28 MA's), (8, 6644), (17, 6941), (18, 6947), (21, 7049),

Gene: Rufus_11 Start: 6635, Stop: 7153, Start Num: 6
Candidate Starts for Rufus_11:
(Start: 6 @6635 has 28 MA's), (8, 6701), (17, 6998), (18, 7004), (21, 7106),

Gene: Rutherferd_12 Start: 7096, Stop: 7614, Start Num: 6
Candidate Starts for Rutherferd_12:
(Start: 6 @7096 has 28 MA's), (8, 7162), (17, 7459), (18, 7465), (21, 7567),

Gene: Sibs6_12 Start: 6771, Stop: 7289, Start Num: 6
Candidate Starts for Sibs6_12:
(Start: 6 @6771 has 28 MA's), (8, 6837), (17, 7134), (18, 7140), (21, 7242),

Gene: SpikeBT_12 Start: 7407, Stop: 7925, Start Num: 6
Candidate Starts for SpikeBT_12:
(Start: 6 @7407 has 28 MA's), (8, 7473), (17, 7770), (18, 7776), (21, 7878),

Gene: Treddle_12 Start: 7473, Stop: 7991, Start Num: 6
Candidate Starts for Treddle_12:
(Start: 6 @7473 has 28 MA's), (8, 7539), (17, 7836), (18, 7842), (21, 7944),