Pham 344427


14
15
17
19
21
26
1: Jamzy_64 + 1
5
12
29
30
2: Clank_50 + 1
5
12
29
30
3: Cerasum_43 + 13
1
3
4
10
18
32
33
36
37
4: Toron_53
2
6
7
8
9
11
13
16
17
20
22
23
24
25
27
28
31
34
35
38
5: Bloom_277

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 344427 Report

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

Pham number 344427 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Jamzy_64, GiKK_64
• Track 2 : Clank_50, Doug_48
• Track 3 : Cerasum_43, Eradicator_40, Kersh_49, Brookers_44, Kingsley_43, MilleniumForce_47, Plumbus_48, Velveteen_42, Rialto_52, BigPhil_43, Coco12_45, Violac_50, Yorick_46, Sarma624_44
• Track 4 : Toron_53
• Track 5 : Bloom_277

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 14 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigPhil_43, Brookers_44, Cerasum_43, Coco12_45, Eradicator_40, Kersh_49, Kingsley_43, MilleniumForce_47, Plumbus_48, Rialto_52, Sarma624_44, Velveteen_42, Violac_50, Yorick_46,

Genes that have the "Most Annotated" start but do not call it:
• Clank_50, Doug_48,

Genes that do not have the "Most Annotated" start:
• Bloom_277, GiKK_64, Jamzy_64, Toron_53,

Summary by start number:

Start 4:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Toron_53 (F6),

Start 5:
• Found in 16 of 20 (80.0%) of genes in pham

• Manual Annotations of this start: 14 of 17
• Called 87.5% of time when present
• Phage (with cluster) where this start called: BigPhil_43 (F1), Brookers_44 (F1), Cerasum_43 (F1), Coco12_45 (F1), Eradicator_40 (F1), Kersh_49 (F1), Kingsley_43 (F1), MilleniumForce_47 (F1), Plumbus_48 (F1), Rialto_52 (F1), Sarma624_44 (F1), Velveteen_42 (F1), Violac_50 (F1), Yorick_46 (F1),

Start 12:
• Found in 16 of 20 (80.0%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Clank_50 (F), Doug_48 (F1),

Start 14:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GiKK_64 (CT), Jamzy_64 (CT),

Start 20:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_277 (FC),

Summary by clusters:

There are 5 clusters represented in this pham: F1, F, FC, F6, CT,

Info for manual annotations of cluster CT:
•Start number 14 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 14 times for cluster F1.
•Start number 12 was manually annotated 1 time for cluster F1.

Gene Information:

Gene: BigPhil_43 Start: 31745, Stop: 32326, Start Num: 5
Candidate Starts for BigPhil_43:
(Start: 5 @31745 has 14 MA's), (Start: 12 @31808 has 1 MA's), (29, 32246), (30, 32279),

Gene: Bloom_277 Start: 168150, Stop: 168635, Start Num: 20
Candidate Starts for Bloom_277:
(2, 167841), (6, 167895), (7, 167901), (8, 167916), (9, 167925), (11, 167949), (13, 167982), (16, 168030), (17, 168042), (20, 168150), (22, 168177), (23, 168240), (24, 168285), (25, 168390), (27, 168423), (28, 168438), (31, 168483), (34, 168546), (35, 168564), (38, 168618),

Gene: Brookers_44 Start: 34696, Stop: 35277, Start Num: 5
Candidate Starts for Brookers_44:
(Start: 5 @34696 has 14 MA's), (Start: 12 @34759 has 1 MA's), (29, 35197), (30, 35230),

Gene: Cerasum_43 Start: 31763, Stop: 32344, Start Num: 5
Candidate Starts for Cerasum_43:
(Start: 5 @31763 has 14 MA's), (Start: 12 @31826 has 1 MA's), (29, 32264), (30, 32297),

Gene: Clank_50 Start: 36078, Stop: 36596, Start Num: 12
Candidate Starts for Clank_50:
(Start: 5 @36015 has 14 MA's), (Start: 12 @36078 has 1 MA's), (29, 36516), (30, 36549),

Gene: Coco12_45 Start: 35820, Stop: 36401, Start Num: 5
Candidate Starts for Coco12_45:
(Start: 5 @35820 has 14 MA's), (Start: 12 @35883 has 1 MA's), (29, 36321), (30, 36354),

Gene: Doug_48 Start: 36379, Stop: 36897, Start Num: 12
Candidate Starts for Doug_48:
(Start: 5 @36316 has 14 MA's), (Start: 12 @36379 has 1 MA's), (29, 36817), (30, 36850),

Gene: Eradicator_40 Start: 33880, Stop: 34461, Start Num: 5
Candidate Starts for Eradicator_40:
(Start: 5 @33880 has 14 MA's), (Start: 12 @33943 has 1 MA's), (29, 34381), (30, 34414),

Gene: GiKK_64 Start: 43529, Stop: 43948, Start Num: 14
Candidate Starts for GiKK_64:
(Start: 14 @43529 has 2 MA's), (15, 43538), (17, 43577), (19, 43640), (21, 43691), (26, 43913),

Gene: Jamzy_64 Start: 43265, Stop: 43684, Start Num: 14
Candidate Starts for Jamzy_64:
(Start: 14 @43265 has 2 MA's), (15, 43274), (17, 43313), (19, 43376), (21, 43427), (26, 43649),

Gene: Kersh_49 Start: 37632, Stop: 38213, Start Num: 5
Candidate Starts for Kersh_49:
(Start: 5 @37632 has 14 MA's), (Start: 12 @37695 has 1 MA's), (29, 38133), (30, 38166),

Gene: Kingsley_43 Start: 34553, Stop: 35134, Start Num: 5
Candidate Starts for Kingsley_43:
(Start: 5 @34553 has 14 MA's), (Start: 12 @34616 has 1 MA's), (29, 35054), (30, 35087),

Gene: MilleniumForce_47 Start: 36714, Stop: 37295, Start Num: 5
Candidate Starts for MilleniumForce_47:
(Start: 5 @36714 has 14 MA's), (Start: 12 @36777 has 1 MA's), (29, 37215), (30, 37248),

Gene: Plumbus_48 Start: 35660, Stop: 36241, Start Num: 5
Candidate Starts for Plumbus_48:
(Start: 5 @35660 has 14 MA's), (Start: 12 @35723 has 1 MA's), (29, 36161), (30, 36194),

Gene: Rialto_52 Start: 38232, Stop: 38813, Start Num: 5
Candidate Starts for Rialto_52:
(Start: 5 @38232 has 14 MA's), (Start: 12 @38295 has 1 MA's), (29, 38733), (30, 38766),

Gene: Sarma624_44 Start: 31745, Stop: 32326, Start Num: 5

Candidate Starts for Sarma624_44:
(Start: 5 @31745 has 14 MA's), (Start: 12 @31808 has 1 MA's), (29, 32246), (30, 32279),

Gene: Toron_53 Start: 37888, Stop: 38586, Start Num: 4
Candidate Starts for Toron_53:
(1, 37837), (3, 37855), (4, 37888), (10, 37951), (18, 38101), (32, 38506), (33, 38515), (36, 38560), (37, 38578),

Gene: Velveteen_42 Start: 31745, Stop: 32326, Start Num: 5
Candidate Starts for Velveteen_42:
(Start: 5 @31745 has 14 MA's), (Start: 12 @31808 has 1 MA's), (29, 32246), (30, 32279),

Gene: Violac_50 Start: 37042, Stop: 37623, Start Num: 5
Candidate Starts for Violac_50:
(Start: 5 @37042 has 14 MA's), (Start: 12 @37105 has 1 MA's), (29, 37543), (30, 37576),

Gene: Yorick_46 Start: 35918, Stop: 36499, Start Num: 5
Candidate Starts for Yorick_46:
(Start: 5 @35918 has 14 MA's), (Start: 12 @35981 has 1 MA's), (29, 36419), (30, 36452),