Pham 86650

1: Sumter_39
2: Hami1_35 + 2
3: Norz_42 + 1
4: U2_40
5: StewieG_40
6: Bigfoot_38
7: Michley_40
8: Pinto_42
9: PattyP_42 + 1
10: Wheeler_42 + 2
11: Lesedi_39
12: BPBiebs31_42
13: Pelly_41
14: Homines_34
15: Zeeculate_40

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 86650 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86650 has 21 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Sumter_39
• Track 2 : Hami1_35, Papez_43, Buttons_40
• Track 3 : Norz_42, QTRlifeCrisis_45
• Track 4 : U2_40
• Track 5 : StewieG_40
• Track 6 : Bigfoot_38
• Track 7 : Michley_40
• Track 8 : Pinto_42
• Track 9 : PattyP_42, DD5_41
• Track 10 : Wheeler_42, BluSpix_38, Lamina13_41
• Track 11 : Lesedi_39
• Track 12 : BPBiebs31_42
• Track 13 : Pelly_41
• Track 14 : Homines_34
• Track 15 : Zeeculate_40

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

The start number called the most often in the published annotations is 7, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BPBiebs31_42, Bigfoot_38, BluSpix_38, Buttons_40, DD5_41, Hami1_35, Homines_34, Lamina13_41, Lesedi_39, Michley_40, Norz_42, Papez_43, PattyP_42, Pelly_41, Pinto_42, QTRlifeCrisis_45, StewieG_40, Sumter_39, U2_40, Wheeler_42, Zeeculate_40,

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

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

Summary by start number:

Start 7:
• Found in 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BPBiebs31_42 (A1), Bigfoot_38 (A1), BluSpix_38 (A1), Buttons_40 (A1), DD5_41 (A1), Hami1_35 (A1), Homines_34 (A1), Lamina13_41 (A1), Lesedi_39 (A1), Michley_40 (A1), Norz_42 (A1), Papez_43 (A1), PattyP_42 (A1), Pelly_41 (A1), Pinto_42 (A1), QTRlifeCrisis_45 (A1), StewieG_40 (A1), Sumter_39 (A1), U2_40 (A1), Wheeler_42 (A1), Zeeculate_40 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 7 was manually annotated 16 times for cluster A1.

Gene Information:

Gene: BPBiebs31_42 Start: 32238, Stop: 32092, Start Num: 7
Candidate Starts for BPBiebs31_42:
(1, 32511), (2, 32490), (5, 32382), (Start: 7 @32238 has 16 MA's), (8, 32187), (11, 32163), (12, 32154), (14, 32112),

Gene: Bigfoot_38 Start: 31388, Stop: 31242, Start Num: 7
Candidate Starts for Bigfoot_38:
(4, 31571), (6, 31541), (Start: 7 @31388 has 16 MA's), (8, 31337), (9, 31328), (10, 31316), (12, 31304), (14, 31262),

Gene: BluSpix_38 Start: 27846, Stop: 27700, Start Num: 7
Candidate Starts for BluSpix_38:
(Start: 7 @27846 has 16 MA's), (8, 27795), (9, 27786), (10, 27774), (12, 27762), (14, 27720),

Gene: Buttons_40 Start: 30634, Stop: 30488, Start Num: 7
Candidate Starts for Buttons_40:
(Start: 7 @30634 has 16 MA's), (8, 30583), (9, 30574), (10, 30562), (12, 30550), (14, 30508),

Gene: DD5_41 Start: 32774, Stop: 32628, Start Num: 7
Candidate Starts for DD5_41:
(Start: 7 @32774 has 16 MA's), (8, 32723), (9, 32714), (10, 32702), (12, 32690), (14, 32648),

Gene: Hami1_35 Start: 26803, Stop: 26657, Start Num: 7
Candidate Starts for Hami1_35:
(Start: 7 @26803 has 16 MA's), (8, 26752), (9, 26743), (10, 26731), (12, 26719), (14, 26677),

Gene: Homines_34 Start: 28327, Stop: 28181, Start Num: 7
Candidate Starts for Homines_34:
(Start: 7 @28327 has 16 MA's), (8, 28276), (10, 28255), (12, 28243), (14, 28201),

Gene: Lamina13_41 Start: 31640, Stop: 31494, Start Num: 7

Candidate Starts for Lamina13_41:
(Start: 7 @31640 has 16 MA's), (8, 31589), (9, 31580), (10, 31568), (12, 31556), (14, 31514),

Gene: Lesedi_39 Start: 31520, Stop: 31374, Start Num: 7
Candidate Starts for Lesedi_39:
(Start: 7 @31520 has 16 MA's), (8, 31469), (9, 31460), (10, 31448), (12, 31436),

Gene: Michley_40 Start: 31472, Stop: 31326, Start Num: 7
Candidate Starts for Michley_40:
(Start: 7 @31472 has 16 MA's), (8, 31421), (10, 31400), (12, 31388), (14, 31346),

Gene: Norz_42 Start: 32482, Stop: 32336, Start Num: 7
Candidate Starts for Norz_42:
(1, 32764), (Start: 7 @32482 has 16 MA's), (8, 32431), (9, 32422), (10, 32410), (12, 32398), (14, 32356),

Gene: Papez_43 Start: 33696, Stop: 33550, Start Num: 7
Candidate Starts for Papez_43:
(Start: 7 @33696 has 16 MA's), (8, 33645), (9, 33636), (10, 33624), (12, 33612), (14, 33570),

Gene: PattyP_42 Start: 31895, Stop: 31749, Start Num: 7
Candidate Starts for PattyP_42:
(Start: 7 @31895 has 16 MA's), (8, 31844), (9, 31835), (10, 31823), (12, 31811), (14, 31769),

Gene: Pelly_41 Start: 32429, Stop: 32283, Start Num: 7
Candidate Starts for Pelly_41:
(Start: 7 @32429 has 16 MA's), (8, 32378), (9, 32369), (10, 32357), (12, 32345), (14, 32303),

Gene: Pinto_42 Start: 31839, Stop: 31693, Start Num: 7
Candidate Starts for Pinto_42:
(1, 32097), (Start: 7 @31839 has 16 MA's), (8, 31788), (9, 31779), (10, 31767), (12, 31755), (14, 31713),

Gene: QTRlifeCrisis_45 Start: 32830, Stop: 32684, Start Num: 7
Candidate Starts for QTRlifeCrisis_45:
(1, 33112), (Start: 7 @32830 has 16 MA's), (8, 32779), (9, 32770), (10, 32758), (12, 32746), (14, 32704),

Gene: StewieG_40 Start: 29878, Stop: 29732, Start Num: 7
Candidate Starts for StewieG_40:
(Start: 7 @29878 has 16 MA's), (8, 29827), (9, 29818), (10, 29806), (12, 29794), (14, 29752),

Gene: Sumter_39 Start: 32049, Stop: 31903, Start Num: 7
Candidate Starts for Sumter_39:
(Start: 7 @32049 has 16 MA's), (8, 31998), (9, 31989), (10, 31977), (12, 31965), (14, 31923),

Gene: U2_40 Start: 31717, Stop: 31571, Start Num: 7
Candidate Starts for U2_40:
(Start: 7 @31717 has 16 MA's), (8, 31666), (9, 31657), (10, 31645), (12, 31633), (13, 31612), (14, 31591),

Gene: Wheeler_42 Start: 32440, Stop: 32294, Start Num: 7
Candidate Starts for Wheeler_42:

(Start: 7 @32440 has 16 MA's), (8, 32389), (9, 32380), (10, 32368), (12, 32356), (14, 32314),

Gene: Zeeculate_40 Start: 32415, Stop: 32269, Start Num: 7
Candidate Starts for Zeeculate_40:
(3, 32643), (Start: 7 @32415 has 16 MA's), (8, 32364), (9, 32355), (10, 32343), (12, 32331), (14, 32289),