Pham 87510

1: Vendetta_58 + 1
2: TinaLin_54
3: Banquo_54
4: Huffy_56 + 1
5: Goib_56
6: TZGordon_57
7: Dardanus_50
8: Schmidt_49

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 87510 Report

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

Pham number 87510 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Vendetta_55, Splinter_55
• Track 2 : TinaLin_54
• Track 3 : Banquo_54
• Track 4 : Huffy_56, DinoDaryn_56
• Track 5 : Goib_56
• Track 6 : TZGordon_57
• Track 7 : Dardanus_50
• Track 8 : Schmidt_49

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

The start number called the most often in the published annotations is 15, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dardanus_50, DinoDaryn_56, Huffy_56, TZGordon_57,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Banquo_54, Goib_56, Schmidt_49, Splinter_55, TinaLin_54, Vendetta_55,

Summary by start number:

Start 1:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Banquo_54 (CU1),

Start 2:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 10

• Called 80.0% of time when present
• Phage (with cluster) where this start called: Goib_56 (CU1), Splinter_55 (CU1), TinaLin_54 (CU1), Vendetta_55 (CU1),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_49 (CU4),

Start 15:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dardanus_50 (CU3), DinoDaryn_56 (CU1), Huffy_56 (CU1), TZGordon_57 (CU1),

Summary by clusters:

There are 3 clusters represented in this pham: CU4, CU3, CU1,

Info for manual annotations of cluster CU1:
•Start number 1 was manually annotated 1 time for cluster CU1.
•Start number 2 was manually annotated 4 times for cluster CU1.
•Start number 15 was manually annotated 3 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 15 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 5 was manually annotated 1 time for cluster CU4.

Gene Information:

Gene: Banquo_54 Start: 35535, Stop: 36644, Start Num: 1
Candidate Starts for Banquo_54:
(Start: 1 @35535 has 1 MA's), (Start: 2 @35616 has 4 MA's), (11, 35676), (13, 35751), (17, 35799), (22, 35877), (34, 36054), (43, 36147), (44, 36153), (49, 36249), (51, 36285), (55, 36303), (59, 36357), (63, 36408), (66, 36495), (67, 36522), (70, 36579),

Gene: Dardanus_50 Start: 34258, Stop: 35022, Start Num: 15
Candidate Starts for Dardanus_50:
(Start: 15 @34258 has 4 MA's), (24, 34351), (29, 34408), (37, 34501), (45, 34564), (46, 34633), (47, 34651), (48, 34654), (52, 34702), (58, 34744), (60, 34765), (62, 34795), (64, 34822), (69, 34954),

Gene: DinoDaryn_56 Start: 36154, Stop: 36978, Start Num: 15
Candidate Starts for DinoDaryn_56:
(3, 36001), (4, 36007), (7, 36016), (8, 36031), (10, 36037), (12, 36061), (Start: 15 @36154 has 4 MA's), (18, 36175), (30, 36289), (31, 36301), (41, 36427), (50, 36583), (56, 36637), (57, 36667),

Gene: Goib_56 Start: 36706, Stop: 37731, Start Num: 2

Candidate Starts for Goib_56:
(Start: 2 @36706 has 4 MA's), (14, 36856), (21, 36949), (24, 36964), (29, 37021), (33, 37072), (41, 37189), (46, 37309), (47, 37327), (48, 37330), (54, 37387), (58, 37420), (61, 37447), (62, 37471),

Gene: Huffy_56 Start: 36154, Stop: 36978, Start Num: 15
Candidate Starts for Huffy_56:
(3, 36001), (4, 36007), (7, 36016), (8, 36031), (10, 36037), (12, 36061), (Start: 15 @36154 has 4 MA's), (18, 36175), (30, 36289), (31, 36301), (41, 36427), (50, 36583), (56, 36637), (57, 36667),

Gene: Schmidt_49 Start: 33329, Stop: 34384, Start Num: 5
Candidate Starts for Schmidt_49:
(Start: 5 @33329 has 1 MA's), (8, 33350), (16, 33485), (18, 33497), (19, 33500), (20, 33518), (23, 33569), (25, 33593), (26, 33596), (27, 33599), (28, 33620), (32, 33674), (36, 33764), (38, 33767), (39, 33770), (40, 33797), (41, 33818), (42, 33833), (43, 33857), (44, 33863), (47, 33959), (53, 34016), (65, 34217), (68, 34253),

Gene: Splinter_55 Start: 36729, Stop: 37751, Start Num: 2
Candidate Starts for Splinter_55:
(Start: 2 @36729 has 4 MA's), (6, 36750), (9, 36774), (14, 36879), (21, 36972), (24, 36987), (29, 37044), (33, 37095), (41, 37212), (46, 37332), (47, 37350), (48, 37353), (54, 37410), (58, 37443), (61, 37470), (62, 37494), (66, 37596),

Gene: TZGordon_57 Start: 36061, Stop: 36954, Start Num: 15
Candidate Starts for TZGordon_57:
(3, 35908), (4, 35914), (7, 35923), (8, 35938), (10, 35944), (12, 35968), (Start: 15 @36061 has 4 MA's), (18, 36082), (29, 36211), (35, 36328), (41, 36403), (45, 36454), (50, 36559), (56, 36613), (57, 36643),

Gene: TinaLin_54 Start: 35525, Stop: 36553, Start Num: 2
Candidate Starts for TinaLin_54:
(Start: 1 @35444 has 1 MA's), (Start: 2 @35525 has 4 MA's), (11, 35585), (13, 35660), (17, 35708), (22, 35786), (34, 35963), (43, 36056), (44, 36062), (49, 36158), (51, 36194), (55, 36212), (59, 36266), (63, 36317), (66, 36404), (67, 36431), (70, 36488),

Gene: Vendetta_55 Start: 36729, Stop: 37751, Start Num: 2
Candidate Starts for Vendetta_55:
(Start: 2 @36729 has 4 MA's), (6, 36750), (9, 36774), (14, 36879), (21, 36972), (24, 36987), (29, 37044), (33, 37095), (41, 37212), (46, 37332), (47, 37350), (48, 37353), (54, 37410), (58, 37443), (61, 37470), (62, 37494), (66, 37596),