Pham 5860


10 11 13 16 18 26 29 39 43 44
1: Vendetta_42 + 2
4 5 10 12 13 23 27 30 31 33 35 39 43
2: Banquo_42
10 11 13 14 16 18 26 29 39 43 44
3: Huffy_43 + 2
4 5 10 12 13 17 23 25 27 30 31 33 35 39 43
4: TinaLin_41
1 2 3 9 15 19 20 24 28 36 37 38 41
5: Schmidt_38
6 7 8 19 21 22 32 34 40 42 43 44
6: Catfish_42

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 5860 Report

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

Pham number 5860 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Vendetta_42, Splinter_42, Goib_44
• Track 2 : Banquo_42
• Track 3 : Huffy_43, TZGordon_44, DinoDaryn_43
• Track 4 : TinaLin_41
• Track 5 : Schmidt_38
• Track 6 : Catfish_42

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 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DinoDaryn_43, Goib_44, Huffy_43, Splinter_42, TZGordon_44, Vendetta_42,

Genes that have the "Most Annotated" start but do not call it:
• Banquo_42, TinaLin_41,

Genes that do not have the "Most Annotated" start:
• Catfish_42, Schmidt_38,

Summary by start number:

Start 5:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_42 (CU1), TinaLin_41 (CU1),

Start 6:
• 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: Catfish_42 (CU5),

Start 10:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 75.0% of time when present
• Phage (with cluster) where this start called: DinoDaryn_43 (CU1), Goib_44 (CU1), Huffy_43 (CU1), Splinter_42 (CU1), TZGordon_44 (CU1), Vendetta_42 (CU1),

Start 15:
• 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_38 (CU4),

Summary by clusters:

There are 3 clusters represented in this pham: CU5, CU4, CU1,

Info for manual annotations of cluster CU1:
•Start number 5 was manually annotated 2 times for cluster CU1.
•Start number 10 was manually annotated 6 times for cluster CU1.

Info for manual annotations of cluster CU4:
•Start number 15 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 6 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_42 Start: 28864, Stop: 29640, Start Num: 5
Candidate Starts for Banquo_42:
(4, 28825), (Start: 5 @28864 has 2 MA's), (Start: 10 @28975 has 6 MA's), (12, 29008), (13, 29014), (23, 29122), (27, 29167), (30, 29191), (31, 29206), (33, 29257), (35, 29308), (39, 29545), (43, 29602),

Gene: Catfish_42 Start: 30720, Stop: 31424, Start Num: 6
Candidate Starts for Catfish_42:
(Start: 6 @30720 has 1 MA's), (7, 30741), (8, 30747), (19, 30888), (21, 30903), (22, 30918), (32, 31044), (34, 31098), (40, 31362), (42, 31371), (43, 31386), (44, 31407),

Gene: DinoDaryn_43 Start: 29168, Stop: 29857, Start Num: 10
Candidate Starts for DinoDaryn_43:
(Start: 10 @29168 has 6 MA's), (11, 29189), (13, 29207), (14, 29213), (16, 29237), (18, 29273), (26, 29378), (29, 29393), (39, 29762), (43, 29819), (44, 29840),

Gene: Goib_44 Start: 29843, Stop: 30514, Start Num: 10
Candidate Starts for Goib_44:
(Start: 10 @29843 has 6 MA's), (11, 29864), (13, 29882), (16, 29912), (18, 29948), (26, 30035), (29, 30050), (39, 30419), (43, 30476), (44, 30497),

Gene: Huffy_43 Start: 29168, Stop: 29857, Start Num: 10

Candidate Starts for Huffy_43:
(Start: 10 @29168 has 6 MA's), (11, 29189), (13, 29207), (14, 29213), (16, 29237), (18, 29273), (26, 29378), (29, 29393), (39, 29762), (43, 29819), (44, 29840),

Gene: Schmidt_38 Start: 27043, Stop: 27675, Start Num: 15
Candidate Starts for Schmidt_38:
(1, 26413), (2, 26494), (3, 26713), (9, 26941), (Start: 15 @27043 has 1 MA's), (19, 27094), (20, 27130), (24, 27157), (28, 27205), (36, 27349), (37, 27385), (38, 27430), (41, 27616),

Gene: Splinter_42 Start: 29768, Stop: 30457, Start Num: 10
Candidate Starts for Splinter_42:
(Start: 10 @29768 has 6 MA's), (11, 29789), (13, 29807), (16, 29837), (18, 29873), (26, 29978), (29, 29993), (39, 30362), (43, 30419), (44, 30440),

Gene: TZGordon_44 Start: 29083, Stop: 29772, Start Num: 10
Candidate Starts for TZGordon_44:
(Start: 10 @29083 has 6 MA's), (11, 29104), (13, 29122), (14, 29128), (16, 29152), (18, 29188), (26, 29293), (29, 29308), (39, 29677), (43, 29734), (44, 29755),

Gene: TinaLin_41 Start: 28537, Stop: 29313, Start Num: 5
Candidate Starts for TinaLin_41:
(4, 28498), (Start: 5 @28537 has 2 MA's), (Start: 10 @28648 has 6 MA's), (12, 28681), (13, 28687), (17, 28735), (23, 28795), (25, 28831), (27, 28840), (30, 28864), (31, 28879), (33, 28930), (35, 28981), (39, 29218), (43, 29275),

Gene: Vendetta_42 Start: 29768, Stop: 30457, Start Num: 10
Candidate Starts for Vendetta_42:
(Start: 10 @29768 has 6 MA's), (11, 29789), (13, 29807), (16, 29837), (18, 29873), (26, 29978), (29, 29993), (39, 30362), (43, 30419), (44, 30440),