Pham 88904

10
12
16
19
23
25
32
33
34
37
38
1: Halldule_94 + 1
11
19
27
31
32
33
34
37
38
2: ScottMcG_97
2
3
9
17
19
24
29
32
33
34
37
38
3: JayJay_102
1
5
13
14
20
23
32
34
35
38
39
4: Issimir_99
4
6
7
8
15
16
18
22
26
32
33
34
37
38
5: Rabinovish_98
1
5
13
14
20
21
23
26
27
30
32
33
34
35
38
39
6: Concombre_107

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 88904 Report

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

Pham number 88904 has 7 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Halldule_94, JulietS_95
• Track 2 : ScottMcG_97
• Track 3 : JayJay_102
• Track 4 : Issimir_99
• Track 5 : Rabinovish_98
• Track 6 : Concombre_107

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

The start number called the most often in the published annotations is 19, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Halldule_94, JulietS_95, ScottMcG_97,

Genes that have the "Most Annotated" start but do not call it:
• JayJay_102,

Genes that do not have the "Most Annotated" start:
• Concombre_107, Issimir_99, Rabinovish_98,

Summary by start number:

Start 19:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Halldule_94 (C1), JulietS_95 (C1), ScottMcG_97 (C1),

Start 23:
• Found in 4 of 7 (57.1%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Concombre_107 (C1), Issimir_99 (C1),

Start 24:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JayJay_102 (C1),

Start 26:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rabinovish_98 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 19 was manually annotated 1 time for cluster C1.
•Start number 26 was manually annotated 1 time for cluster C1.

Gene Information:

Gene: Concombre_107 Start: 53555, Stop: 53962, Start Num: 23
Candidate Starts for Concombre_107:
(1, 53030), (5, 53144), (13, 53309), (14, 53351), (20, 53495), (21, 53507), (23, 53555), (Start: 26 @53624 has 1 MA's), (27, 53639), (30, 53684), (32, 53789), (33, 53849), (34, 53858), (35, 53900), (36, 53915), (37, 53918), (38, 53936), (39, 53954),

Gene: Halldule_94 Start: 48667, Stop: 49143, Start Num: 19
Candidate Starts for Halldule_94:
(10, 48454), (12, 48490), (16, 48568), (Start: 19 @48667 has 1 MA's), (23, 48733), (25, 48769), (32, 48967), (33, 49027), (34, 49036), (37, 49096), (38, 49114),

Gene: Issimir_99 Start: 51331, Stop: 51738, Start Num: 23
Candidate Starts for Issimir_99:
(1, 50806), (5, 50920), (13, 51085), (14, 51127), (20, 51271), (23, 51331), (32, 51565), (34, 51634), (35, 51676), (36, 51691), (37, 51694), (38, 51712), (39, 51730),

Gene: JayJay_102 Start: 52597, Stop: 52992, Start Num: 24
Candidate Starts for JayJay_102:
(2, 52075), (3, 52090), (9, 52270), (17, 52420), (Start: 19 @52516 has 1 MA's), (24, 52597), (29, 52690), (32, 52816), (33, 52876), (34, 52885), (37, 52945), (38, 52963),

Gene: JulietS_95 Start: 48518, Stop: 48994, Start Num: 19
Candidate Starts for JulietS_95:
(10, 48305), (12, 48341), (16, 48419), (Start: 19 @48518 has 1 MA's), (23, 48584), (25, 48620), (32, 48818), (33, 48878), (34, 48887), (37, 48947), (38, 48965),

Gene: Rabinovish_98 Start: 51482, Stop: 51823, Start Num: 26

Candidate Starts for Rabinovish_98:
(4, 50969), (6, 51017), (7, 51038), (8, 51047), (15, 51215), (16, 51236), (18, 51302), (22, 51371), (Start: 26 @51482 has 1 MA's), (27, 51497), (28, 51500), (32, 51647), (33, 51707), (34, 51716), (37, 51776), (38, 51794),

Gene: ScottMcG_97 Start: 50254, Stop: 50730, Start Num: 19
Candidate Starts for ScottMcG_97:
(11, 50029), (Start: 19 @50254 has 1 MA's), (27, 50404), (31, 50503), (32, 50554), (33, 50614), (34, 50623), (37, 50683), (38, 50701),