Pham 162438


3
7
10
16
18
19
25
26
27
29
1: Navo_26 + 1
8
11
18
21
23
24
30
2: Anedea_25
2
3
4
7
10
16
18
19
22
26
27
34
3: Samisti12_24
1
4
7
10
15
16
18
22
25
26
27
32
4: Sushi23_27
12
14
20
28
32
35
36
5: Faust_7
6
9
11
13
17
24
26
31
33
36
6: Gilson_9
5
9
11
13
17
24
26
31
33
36
7: Emma1919_9
8
11
13
17
24
26
31
33
36
8: Kenrey_9

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 162438 Report

This analysis was run 05/04/24 on database version 560.

Pham number 162438 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Navo_26, Braelyn_25
• Track 2 : Anedea_25
• Track 3 : Samisti12_24
• Track 4 : Sushi23_27
• Track 5 : Faust_7
• Track 6 : Gilson_9
• Track 7 : Emma1919_9
• Track 8 : Kenrey_9

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 3 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Braelyn_25, Navo_26, Samisti12_24, Sushi23_27,

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

Genes that do not have the "Most Annotated" start:
• Anedea_25, Emma1919_9, Faust_7, Gilson_9, Kenrey_9,

Summary by start number:

Start 7:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Braelyn_25 (BE1), Navo_26 (BE1), Samisti12_24 (BE1), Sushi23_27 (BE1),

Start 8:
• Found in 4 of 9 (44.4%) of genes in pham

• Manual Annotations of this start: 3 of 7
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Emma1919_9 (BK1), Gilson_9 (BK1), Kenrey_9 (BK1),

Start 11:
• Found in 4 of 9 (44.4%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Anedea_25 (BE1),

Start 12:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faust_7 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 7 was manually annotated 3 times for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 8 was manually annotated 3 times for cluster BK1.
•Start number 12 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Anedea_25 Start: 11947, Stop: 11501, Start Num: 11
Candidate Starts for Anedea_25:
(Start: 8 @11968 has 3 MA's), (11, 11947), (18, 11836), (21, 11800), (23, 11782), (24, 11764), (30, 11683),

Gene: Braelyn_25 Start: 12292, Stop: 11798, Start Num: 7
Candidate Starts for Braelyn_25:
(3, 12313), (Start: 7 @12292 has 3 MA's), (10, 12259), (16, 12202), (18, 12130), (19, 12118), (25, 12031), (26, 12013), (27, 12001), (29, 11983),

Gene: Emma1919_9 Start: 3441, Stop: 2968, Start Num: 8
Candidate Starts for Emma1919_9:
(5, 3474), (Start: 8 @3441 has 3 MA's), (9, 3438), (11, 3420), (13, 3405), (17, 3321), (24, 3231), (26, 3186), (31, 3138), (33, 3078), (36, 3009),

Gene: Faust_7 Start: 2866, Stop: 2429, Start Num: 12
Candidate Starts for Faust_7:
(Start: 12 @2866 has 1 MA's), (14, 2863), (20, 2740), (28, 2617), (32, 2560), (35, 2467), (36, 2458),

Gene: Gilson_9 Start: 3438, Stop: 2965, Start Num: 8
Candidate Starts for Gilson_9:

(6, 3477), (Start: 8 @3438 has 3 MA's), (9, 3435), (11, 3417), (13, 3402), (17, 3318), (24, 3228), (26, 3183), (31, 3135), (33, 3075), (36, 3006),

Gene: Kenrey_9 Start: 3499, Stop: 3026, Start Num: 8
Candidate Starts for Kenrey_9:
(Start: 8 @3499 has 3 MA's), (11, 3478), (13, 3463), (17, 3379), (24, 3289), (26, 3244), (31, 3196), (33, 3136), (36, 3067),

Gene: Navo_26 Start: 12055, Stop: 11561, Start Num: 7
Candidate Starts for Navo_26:
(3, 12076), (Start: 7 @12055 has 3 MA's), (10, 12022), (16, 11965), (18, 11893), (19, 11881), (25, 11794), (26, 11776), (27, 11764), (29, 11746),

Gene: Samisti12_24 Start: 12125, Stop: 11628, Start Num: 7
Candidate Starts for Samisti12_24:
(2, 12158), (3, 12146), (4, 12143), (Start: 7 @12125 has 3 MA's), (10, 12092), (16, 12035), (18, 11963), (19, 11951), (22, 11912), (26, 11843), (27, 11831), (34, 11708),

Gene: Sushi23_27 Start: 12530, Stop: 12036, Start Num: 7
Candidate Starts for Sushi23_27:
(1, 12584), (4, 12548), (Start: 7 @12530 has 3 MA's), (10, 12497), (15, 12458), (16, 12440), (18, 12368), (22, 12317), (25, 12269), (26, 12251), (27, 12239), (32, 12176),