Pham 288488

3
4
5
6
8
12
15
16
18
20
25
26
1: Nanodon_28
4
5
7
8
14
16
21
28
2: Pablito_26
1
2
4
9
11
12
16
19
23
24
3: phiCAM_28
4
16
17
18
22
25
4: SunkenRoot_29
4
12
16
17
18
22
25
5: Verse_27 + 1
4
10
12
13
14
16
23
24
27
6: Celery_30

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 288488 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288488 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Nanodon_28
• Track 2 : Pablito_26
• Track 3 : phiCAM_28
• Track 4 : SunkenRoot_29
• Track 5 : Verse_27, Amela_27
• Track 6 : Celery_30

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

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

Genes that call this "Most Annotated" start:
• Amela_27, Celery_30, Nanodon_28, Pablito_26, SunkenRoot_29, Verse_27,

Genes that have the "Most Annotated" start but do not call it:
• phiCAM_28,

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

Summary by start number:

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Amela_27 (BD3), Celery_30 (BD3), Nanodon_28 (BD1), Pablito_26 (BD2), SunkenRoot_29 (BD3), Verse_27 (BD3),

Start 9:
• 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: phiCAM_28 (BD3),

Summary by clusters:

There are 3 clusters represented in this pham: BD1, BD3, BD2,

Info for manual annotations of cluster BD1:
•Start number 4 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 4 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 4 was manually annotated 2 times for cluster BD3.

Gene Information:

Gene: Amela_27 Start: 23390, Stop: 24361, Start Num: 4
Candidate Starts for Amela_27:
(Start: 4 @23390 has 4 MA's), (12, 23594), (16, 23861), (17, 23867), (18, 23936), (22, 24131), (25, 24212),

Gene: Celery_30 Start: 22672, Stop: 23478, Start Num: 4
Candidate Starts for Celery_30:
(Start: 4 @22672 has 4 MA's), (10, 22840), (12, 22876), (13, 22951), (14, 22966), (16, 23143), (23, 23275), (24, 23299), (27, 23410),

Gene: Nanodon_28 Start: 21617, Stop: 22561, Start Num: 4
Candidate Starts for Nanodon_28:
(3, 21566), (Start: 4 @21617 has 4 MA's), (5, 21623), (6, 21683), (8, 21758), (12, 21821), (15, 22076), (16, 22088), (18, 22163), (20, 22256), (25, 22418), (26, 22454),

Gene: Pablito_26 Start: 21573, Stop: 22406, Start Num: 4
Candidate Starts for Pablito_26:
(Start: 4 @21573 has 4 MA's), (5, 21579), (7, 21708), (8, 21714), (14, 21867), (16, 22044), (21, 22140), (28, 22395),

Gene: SunkenRoot_29 Start: 23184, Stop: 24158, Start Num: 4
Candidate Starts for SunkenRoot_29:
(Start: 4 @23184 has 4 MA's), (16, 23655), (17, 23661), (18, 23733), (22, 23928), (25, 24009),

Gene: Verse_27 Start: 23384, Stop: 24355, Start Num: 4
Candidate Starts for Verse_27:
(Start: 4 @23384 has 4 MA's), (12, 23588), (16, 23855), (17, 23861), (18, 23930), (22, 24125), (25, 24206),

Gene: phiCAM_28 Start: 24820, Stop: 25500, Start Num: 9
Candidate Starts for phiCAM_28:
(1, 24505), (2, 24517), (Start: 4 @24676 has 4 MA's), (9, 24820), (11, 24865), (12, 24880), (16, 25147), (19, 25204), (23, 25297), (24, 25321),