Pham 27941


2
3
5
9
1: NiceHouse_286 + 1
1
2
4
6
7
8
10
11
12
2: Oaker_48 + 3
1
2
4
6
7
8
10
11
12
3: Cborch11_50
1
2
4
6
7
8
10
11
12
4: Konstantine_52 + 2

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 27941 Report

This analysis was run 04/05/24 on database version 557.

Pham number 27941 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : NiceHouse_286, NiceHouse_5
• Track 2 : Oaker_48, Megatron06_52, Damien_49, Thumb_49
• Track 3 : Cborch11_50
• Track 4 : Konstantine_52, Beckerton_48, Phreeze_47

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

The start number called the most often in the published annotations is 2, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beckerton_48, Damien_49, Konstantine_52, Megatron06_52, NiceHouse_286, NiceHouse_5, Oaker_48, Phreeze_47, Thumb_49,

Genes that have the "Most Annotated" start but do not call it:
• Cborch11_50,

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

Summary by start number:

Start 1:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Cborch11_50 (H1),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Beckerton_48 (H1), Damien_49 (H1), Konstantine_52 (H1), Megatron06_52 (H1), NiceHouse_286 (CE), NiceHouse_5

(CE), Oaker_48 (H1), Phreeze_47 (H1), Thumb_49 (H1),

Summary by clusters:

There are 2 clusters represented in this pham: H1, CE,

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

Info for manual annotations of cluster H1:
•Start number 1 was manually annotated 1 time for cluster H1.
•Start number 2 was manually annotated 6 times for cluster H1.

Gene Information:

Gene: Beckerton_48 Start: 40960, Stop: 41316, Start Num: 2
Candidate Starts for Beckerton_48:
(Start: 1 @40927 has 1 MA's), (Start: 2 @40960 has 8 MA's), (4, 41017), (6, 41059), (7, 41080), (8, 41092), (10, 41242), (11, 41251), (12, 41293),

Gene: Cborch11_50 Start: 40443, Stop: 40832, Start Num: 1
Candidate Starts for Cborch11_50:
(Start: 1 @40443 has 1 MA's), (Start: 2 @40476 has 8 MA's), (4, 40533), (6, 40575), (7, 40596), (8, 40608), (10, 40758), (11, 40767), (12, 40809),

Gene: Damien_49 Start: 40439, Stop: 40795, Start Num: 2
Candidate Starts for Damien_49:
(Start: 1 @40406 has 1 MA's), (Start: 2 @40439 has 8 MA's), (4, 40496), (6, 40538), (7, 40559), (8, 40571), (10, 40721), (11, 40730), (12, 40772),

Gene: Konstantine_52 Start: 41270, Stop: 41626, Start Num: 2
Candidate Starts for Konstantine_52:
(Start: 1 @41237 has 1 MA's), (Start: 2 @41270 has 8 MA's), (4, 41327), (6, 41369), (7, 41390), (8, 41402), (10, 41552), (11, 41561), (12, 41603),

Gene: Megatron06_52 Start: 41015, Stop: 41371, Start Num: 2
Candidate Starts for Megatron06_52:
(Start: 1 @40982 has 1 MA's), (Start: 2 @41015 has 8 MA's), (4, 41072), (6, 41114), (7, 41135), (8, 41147), (10, 41297), (11, 41306), (12, 41348),

Gene: NiceHouse_286 Start: 139872, Stop: 140222, Start Num: 2
Candidate Starts for NiceHouse_286:
(Start: 2 @139872 has 8 MA's), (3, 139911), (5, 139935), (9, 140097),

Gene: NiceHouse_5 Start: 2577, Stop: 2927, Start Num: 2
Candidate Starts for NiceHouse_5:
(Start: 2 @2577 has 8 MA's), (3, 2616), (5, 2640), (9, 2802),

Gene: Oaker_48 Start: 40730, Stop: 41086, Start Num: 2
Candidate Starts for Oaker_48:

(Start: 1 @40697 has 1 MA's), (Start: 2 @40730 has 8 MA's), (4, 40787), (6, 40829), (7, 40850), (8, 40862), (10, 41012), (11, 41021), (12, 41063),

Gene: Phreeze_47 Start: 40036, Stop: 40392, Start Num: 2
Candidate Starts for Phreeze_47:
(Start: 1 @40003 has 1 MA's), (Start: 2 @40036 has 8 MA's), (4, 40093), (6, 40135), (7, 40156), (8, 40168), (10, 40318), (11, 40327), (12, 40369),

Gene: Thumb_49 Start: 40471, Stop: 40827, Start Num: 2
Candidate Starts for Thumb_49:
(Start: 1 @40438 has 1 MA's), (Start: 2 @40471 has 8 MA's), (4, 40528), (6, 40570), (7, 40591), (8, 40603), (10, 40753), (11, 40762), (12, 40804),