Pham 200908


1
9
10
1: Kilevey_27 + 3
2
3
4
6
8
9
10
2: Bumble_26
1
5
9
10
3: Bolt007_27
2
3
7
9
10
4: Circuit_26
2
3
9
10
5: Altadena_26

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 200908 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200908 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Klevey_27, Prairie_26, CalWood4100_28, Lilmac1015_28
• Track 2 : Bumble_26
• Track 3 : Bolt007_27
• Track 4 : Circuit_26
• Track 5 : Altadena_26

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bolt007_27, CalWood4100_28, Klevey_27, Lilmac1015_28, Prairie_26,

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

Genes that do not have the "Most Annotated" start:
• Altadena_26, Bumble_26, Circuit_26,

Summary by start number:

Start 1:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bolt007_27 (FH), CalWood4100_28 (FH), Klevey_27 (FH), Lilmac1015_28 (FH), Prairie_26 (FH),

Start 2:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Altadena_26 (FH), Bumble_26 (FH), Circuit_26 (FH),

Summary by clusters:

There is one cluster represented in this pham: FH

Info for manual annotations of cluster FH:
•Start number 1 was manually annotated 4 times for cluster FH.
•Start number 2 was manually annotated 2 times for cluster FH.

Gene Information:

Gene: Altadena_26 Start: 22362, Stop: 22679, Start Num: 2
Candidate Starts for Altadena_26:
(Start: 2 @22362 has 2 MA's), (3, 22413), (9, 22599), (10, 22611),

Gene: Bolt007_27 Start: 21400, Stop: 21801, Start Num: 1
Candidate Starts for Bolt007_27:
(Start: 1 @21400 has 4 MA's), (5, 21592), (9, 21721), (10, 21733),

Gene: Bumble_26 Start: 22236, Stop: 22568, Start Num: 2
Candidate Starts for Bumble_26:
(Start: 2 @22236 has 2 MA's), (3, 22287), (4, 22305), (6, 22380), (8, 22443), (9, 22473), (10, 22485),

Gene: CalWood4100_28 Start: 21390, Stop: 21791, Start Num: 1
Candidate Starts for CalWood4100_28:
(Start: 1 @21390 has 4 MA's), (9, 21711), (10, 21723),

Gene: Circuit_26 Start: 22298, Stop: 22618, Start Num: 2
Candidate Starts for Circuit_26:
(Start: 2 @22298 has 2 MA's), (3, 22349), (7, 22448), (9, 22535), (10, 22547),

Gene: Klevey_27 Start: 21400, Stop: 21801, Start Num: 1
Candidate Starts for Klevey_27:
(Start: 1 @21400 has 4 MA's), (9, 21721), (10, 21733),

Gene: Lilmac1015_28 Start: 21390, Stop: 21791, Start Num: 1
Candidate Starts for Lilmac1015_28:
(Start: 1 @21390 has 4 MA's), (9, 21711), (10, 21723),

Gene: Prairie_26 Start: 21418, Stop: 21819, Start Num: 1
Candidate Starts for Prairie_26:
(Start: 1 @21418 has 4 MA's), (9, 21739), (10, 21751),