Pham 88580

7
13
16
1: MidnightRain_89
7
12
14
2: Anekin_57
7
10
12
14
3: BenchScraper_57
1
2
3
7
4: Sashimi_84
6
7
5: Sonali_69
4
7
10
11
16
6: Zucker_80
5
8
9
15
7: LittleE_163

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 88580 Report

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

Pham number 88580 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : MidnightRain_89
• Track 2 : Anekin_57
• Track 3 : BenchScraper_57
• Track 4 : Sashimi_84
• Track 5 : Sonali_69
• Track 6 : Zucker_80
• Track 7 : LittleE_163

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 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anekin_57, BenchScraper_57, MidnightRain_89, Sashimi_84, Sonali_69, Zucker_80,

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

Genes that do not have the "Most Annotated" start:
• LittleE_163,

Summary by start number:

Start 7:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anekin_57 (AY), BenchScraper_57 (AY), MidnightRain_89 (AY), Sashimi_84 (AY), Sonali_69 (FG), Zucker_80 (FN),

Start 9:
• Found in 1 of 7 (14.3%) of genes in pham

• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleE_163 (J),

Summary by clusters:

There are 4 clusters represented in this pham: AY, J, FN, FG,

Info for manual annotations of cluster AY:
•Start number 7 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FG:
•Start number 7 was manually annotated 1 time for cluster FG.

Info for manual annotations of cluster FN:
•Start number 7 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster J:
•Start number 9 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Anekin_57 Start: 33699, Stop: 33926, Start Num: 7
Candidate Starts for Anekin_57:
(Start: 7 @33699 has 3 MA's), (12, 33843), (14, 33849),

Gene: BenchScraper_57 Start: 33349, Stop: 33576, Start Num: 7
Candidate Starts for BenchScraper_57:
(Start: 7 @33349 has 3 MA's), (10, 33385), (12, 33493), (14, 33499),

Gene: LittleE_163 Start: 85674, Stop: 85889, Start Num: 9
Candidate Starts for LittleE_163:
(5, 85593), (8, 85668), (Start: 9 @85674 has 1 MA's), (15, 85818),

Gene: MidnightRain_89 Start: 48582, Stop: 48884, Start Num: 7
Candidate Starts for MidnightRain_89:
(Start: 7 @48582 has 3 MA's), (13, 48729), (16, 48801),

Gene: Sashimi_84 Start: 47048, Stop: 47338, Start Num: 7
Candidate Starts for Sashimi_84:
(1, 46694), (2, 46844), (3, 46856), (Start: 7 @47048 has 3 MA's),

Gene: Sonali_69 Start: 46604, Stop: 46828, Start Num: 7
Candidate Starts for Sonali_69:
(6, 46538), (Start: 7 @46604 has 3 MA's),

Gene: Zucker_80 Start: 47800, Stop: 48093, Start Num: 7
Candidate Starts for Zucker_80:
(4, 47710), (Start: 7 @47800 has 3 MA's), (10, 47836), (11, 47851), (16, 48019),