Pham 7256

1: Amao_39 + 6

2: SirDuracell_37 + 2

3: Pat3_37

4: MadamMonkfish_38

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 7256 Report

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

Pham number 7256 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Amao_39, DoctorDiddles_38, ChotaBhai_38, Highbury_39, Holt_39, Saints25_39, Daikon_38
• Track 2 : SirDuracell_37, Mindy_39, Harella_38
• Track 3 : Pat3_37
• Track 4 : MadamMonkfish_38

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_39, ChotaBhai_38, Daikon_38, DoctorDiddles_38, Harella_38, Highbury_39, Holt_39, MadamMonkfish_38, Mindy_39, Pat3_37, Saints25_39, SirDuracell_37,

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

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

Summary by start number:

Start 7:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amao_39 (E), ChotaBhai_38 (E), Daikon_38 (E), DoctorDiddles_38 (E), Harella_38 (E), Highbury_39 (E), Holt_39 (E), MadamMonkfish_38 (E), Mindy_39 (E), Pat3_37 (E), Saints25_39 (E), SirDuracell_37 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 7 was manually annotated 10 times for cluster E.

Gene Information:

Gene: Amao_39 Start: 33460, Stop: 33314, Start Num: 7
Candidate Starts for Amao_39:
(Start: 7 @33460 has 10 MA's), (10, 33337),

Gene: ChotaBhai_38 Start: 32912, Stop: 32766, Start Num: 7
Candidate Starts for ChotaBhai_38:
(Start: 7 @32912 has 10 MA's), (10, 32789),

Gene: Daikon_38 Start: 33994, Stop: 33848, Start Num: 7
Candidate Starts for Daikon_38:
(Start: 7 @33994 has 10 MA's), (10, 33871),

Gene: DoctorDiddles_38 Start: 32828, Stop: 32682, Start Num: 7
Candidate Starts for DoctorDiddles_38:
(Start: 7 @32828 has 10 MA's), (10, 32705),

Gene: Harella_38 Start: 34368, Stop: 34222, Start Num: 7
Candidate Starts for Harella_38:
(Start: 7 @34368 has 10 MA's), (8, 34341), (10, 34245),

Gene: Highbury_39 Start: 33324, Stop: 33178, Start Num: 7
Candidate Starts for Highbury_39:
(Start: 7 @33324 has 10 MA's), (10, 33201),

Gene: Holt_39 Start: 32943, Stop: 32797, Start Num: 7
Candidate Starts for Holt_39:
(Start: 7 @32943 has 10 MA's), (10, 32820),

Gene: MadamMonkfish_38 Start: 33084, Stop: 32938, Start Num: 7
Candidate Starts for MadamMonkfish_38:
(6, 33093), (Start: 7 @33084 has 10 MA's), (9, 33048), (10, 32961),

Gene: Mindy_39 Start: 33444, Stop: 33298, Start Num: 7
Candidate Starts for Mindy_39:
(Start: 7 @33444 has 10 MA's), (8, 33417), (10, 33321),

Gene: Pat3_37 Start: 32392, Stop: 32246, Start Num: 7
Candidate Starts for Pat3_37:
(1, 32536), (2, 32512), (3, 32485), (4, 32476), (5, 32458), (Start: 7 @32392 has 10 MA's), (10, 32269),

Gene: Saints25_39 Start: 33324, Stop: 33178, Start Num: 7
Candidate Starts for Saints25_39:
(Start: 7 @33324 has 10 MA's), (10, 33201),

Gene: SirDuracell_37 Start: 32331, Stop: 32185, Start Num: 7
Candidate Starts for SirDuracell_37:
(Start: 7 @32331 has 10 MA's), (8, 32304), (10, 32208),