Pham 6578

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 6578 Report

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

Pham number 6578 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cassita_130, Cassita_5
• Track 2 : Lifes_124, Bugger_4, Lifes_4, Bugger_124, LeeroyJenkins_5, LeeroyJenkins_131
• Track 3 : WaterT_126, WaterT_4

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bugger_124, Bugger_4, Cassita_130, Cassita_5, LeeroyJenkins_131, LeeroyJenkins_5, Lifes_124, Lifes_4, WaterT_126, WaterT_4,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bugger_124 (GB), Bugger_4 (GB), Cassita_130 (GB), Cassita_5 (GB), LeeroyJenkins_131 (GB), LeeroyJenkins_5 (GB), Lifes_124 (GB), Lifes_4 (GB), WaterT_126 (GB), WaterT_4 (GB),

Summary by clusters:

There is one cluster represented in this pham: GB

Info for manual annotations of cluster GB:
•Start number 1 was manually annotated 8 times for cluster GB.

Gene Information:

Gene: Bugger_4 Start: 906, Stop: 679, Start Num: 1
Candidate Starts for Bugger_4:
(Start: 1 @906 has 8 MA's), (3, 780),

Gene: Bugger_124 Start: 60910, Stop: 60683, Start Num: 1
Candidate Starts for Bugger_124:
(Start: 1 @60910 has 8 MA's), (3, 60784),

Gene: Cassita_130 Start: 61495, Stop: 61268, Start Num: 1
Candidate Starts for Cassita_130:
(Start: 1 @61495 has 8 MA's), (3, 61369),

Gene: Cassita_5 Start: 1276, Stop: 1049, Start Num: 1
Candidate Starts for Cassita_5:
(Start: 1 @1276 has 8 MA's), (3, 1150),

Gene: LeeroyJenkins_5 Start: 1203, Stop: 976, Start Num: 1
Candidate Starts for LeeroyJenkins_5:
(Start: 1 @1203 has 8 MA's), (3, 1077),

Gene: LeeroyJenkins_131 Start: 61835, Stop: 61608, Start Num: 1
Candidate Starts for LeeroyJenkins_131:
(Start: 1 @61835 has 8 MA's), (3, 61709),

Gene: Lifes_124 Start: 58653, Stop: 58426, Start Num: 1
Candidate Starts for Lifes_124:
(Start: 1 @58653 has 8 MA's), (3, 58527),

Gene: Lifes_4 Start: 930, Stop: 703, Start Num: 1
Candidate Starts for Lifes_4:
(Start: 1 @930 has 8 MA's), (3, 804),

Gene: WaterT_126 Start: 60715, Stop: 60488, Start Num: 1
Candidate Starts for WaterT_126:
(Start: 1 @60715 has 8 MA's), (2, 60598), (3, 60589),

Gene: WaterT_4 Start: 1170, Stop: 943, Start Num: 1
Candidate Starts for WaterT_4:
(Start: 1 @1170 has 8 MA's), (2, 1053), (3, 1044),