Pham 4097

MosMoris_32 + 17

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 4097 Report

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

Pham number 4097 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MosMoris_32, Gattaca_33, JoieB_35, Raela_34, Tesla_33, VasuNzinga_34, Beelzebub_38, Clarkson_35, Poise_34, RedRaider77_34, Blackbeetle_34, Huphlepuff_36, Pringar_34, Marvin_32, Lilbit_35, LittleLaf_34, Corazon_32, Caprice_31

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_38, Blackbeetle_34, Caprice_31, Clarkson_35, Corazon_32, Gattaca_33, Huphlepuff_36, JoieB_35, Lilbit_35, LittleLaf_34, Marvin_32, MosMoris_32, Poise_34, Pringar_34, Raela_34, RedRaider77_34, Tesla_33, VasuNzinga_34,

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 18 of 18 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beelzebub_38 (S), Blackbeetle_34 (S), Caprice_31 (S), Clarkson_35 (S), Corazon_32 (S), Gattaca_33 (S), Huphlepuff_36 (S), JoieB_35 (S), Lilbit_35 (S), LittleLaf_34 (S), Marvin_32 (S), MosMoris_32 (S), Poise_34 (S), Pringar_34 (S), Raela_34 (S), RedRaider77_34 (S), Tesla_33 (S), VasuNzinga_34 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:
•Start number 1 was manually annotated 16 times for cluster S.

Gene Information:
Gene: Beelzebub_38 Start: 11157, Stop: 11414, Start Num: 1
Candidate Starts for Beelzebub_38:
(Start: 1 @11157 has 16 MA's), (2, 11259), (3, 11313), (4, 11325), (5, 11406),

Gene: Blackbeetle_34 Start: 10176, Stop: 10433, Start Num: 1
Candidate Starts for Blackbeetle_34:
(Start: 1 @10176 has 16 MA's), (2, 10278), (3, 10332), (4, 10344), (5, 10425),

Gene: Caprice_31 Start: 10246, Stop: 10503, Start Num: 1
Candidate Starts for Caprice_31:
(Start: 1 @10246 has 16 MA's), (2, 10348), (3, 10402), (4, 10414), (5, 10495),

Gene: Clarkson_35 Start: 10858, Stop: 11115, Start Num: 1
Candidate Starts for Clarkson_35:
(Start: 1 @10858 has 16 MA's), (2, 10960), (3, 11014), (4, 11026), (5, 11107),

Gene: Corazon_32 Start: 10811, Stop: 11068, Start Num: 1
Candidate Starts for Corazon_32:
(Start: 1 @10811 has 16 MA's), (2, 10913), (3, 10967), (4, 10979), (5, 11060),

Gene: Gattaca_33 Start: 10038, Stop: 10295, Start Num: 1
Candidate Starts for Gattaca_33:
(Start: 1 @10038 has 16 MA's), (2, 10140), (3, 10194), (4, 10206), (5, 10287),

Gene: Huphlepuff_36 Start: 10663, Stop: 10920, Start Num: 1
Candidate Starts for Huphlepuff_36:
(Start: 1 @10663 has 16 MA's), (2, 10765), (3, 10819), (4, 10831), (5, 10912),

Gene: JoieB_35 Start: 10882, Stop: 11139, Start Num: 1
Candidate Starts for JoieB_35:
(Start: 1 @10882 has 16 MA's), (2, 10984), (3, 11038), (4, 11050), (5, 11131),

Gene: Lilbit_35 Start: 10859, Stop: 11116, Start Num: 1
Candidate Starts for Lilbit_35:
(Start: 1 @10859 has 16 MA's), (2, 10961), (3, 11015), (4, 11027), (5, 11108),

Gene: LittleLaf_34 Start: 10588, Stop: 10845, Start Num: 1
Candidate Starts for LittleLaf_34:
(Start: 1 @10588 has 16 MA's), (2, 10690), (3, 10744), (4, 10756), (5, 10837),

Gene: Marvin_32 Start: 10858, Stop: 11115, Start Num: 1
Candidate Starts for Marvin_32:

(Start: 1 @10858 has 16 MA's), (2, 10960), (3, 11014), (4, 11026), (5, 11107),

Gene: MosMoris_32 Start: 10038, Stop: 10295, Start Num: 1
Candidate Starts for MosMoris_32:
(Start: 1 @10038 has 16 MA's), (2, 10140), (3, 10194), (4, 10206), (5, 10287),

Gene: Poise_34 Start: 10176, Stop: 10433, Start Num: 1
Candidate Starts for Poise_34:
(Start: 1 @10176 has 16 MA's), (2, 10278), (3, 10332), (4, 10344), (5, 10425),

Gene: Pringar_34 Start: 10488, Stop: 10745, Start Num: 1
Candidate Starts for Pringar_34:
(Start: 1 @10488 has 16 MA's), (2, 10590), (3, 10644), (4, 10656), (5, 10737),

Gene: Raela_34 Start: 10731, Stop: 10988, Start Num: 1
Candidate Starts for Raela_34:
(Start: 1 @10731 has 16 MA's), (2, 10833), (3, 10887), (4, 10899), (5, 10980),

Gene: RedRaider77_34 Start: 10632, Stop: 10889, Start Num: 1
Candidate Starts for RedRaider77_34:
(Start: 1 @10632 has 16 MA's), (2, 10734), (3, 10788), (4, 10800), (5, 10881),

Gene: Tesla_33 Start: 10481, Stop: 10738, Start Num: 1
Candidate Starts for Tesla_33:
(Start: 1 @10481 has 16 MA's), (2, 10583), (3, 10637), (4, 10649), (5, 10730),

Gene: VasuNzinga_34 Start: 10065, Stop: 10322, Start Num: 1
Candidate Starts for VasuNzinga_34:
(Start: 1 @10065 has 16 MA's), (2, 10167), (3, 10221), (4, 10233), (5, 10314),