Pham 4085

1: Beelzebub_32 + 10

2: RedRaider77_29 + 5

3: Caprice_25

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 4085 Report

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

Pham number 4085 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Beelzebub_32, VasuNzinga_28, LittleLaf_28, JoieB_29, Tesla_28, Clarkson_29, Marvin_27, Huphlepuff_30, Pringar_28, Lilbit_30, Corazon_27
• Track 2 : RedRaider77_29, MosMoris_27, Poise_29, Raela_29, Blackbeetle_29, Gattaca_28
• Track 3 : Caprice_25

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beelzebub_32, Blackbeetle_29, Caprice_25, Clarkson_29, Corazon_27, Gattaca_28, Huphlepuff_30, JoieB_29, Lilbit_30, LittleLaf_28, Marvin_27, MosMoris_27, Poise_29, Pringar_28, Raela_29, RedRaider77_29, Tesla_28, VasuNzinga_28,

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 2:
• 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_32 (S), Blackbeetle_29 (S), Caprice_25 (S), Clarkson_29 (S), Corazon_27 (S), Gattaca_28 (S), Huphlepuff_30 (S), JoieB_29 (S), Lilbit_30 (S), LittleLaf_28 (S), Marvin_27 (S), MosMoris_27 (S), Poise_29 (S), Pringar_28 (S), Raela_29 (S), RedRaider77_29 (S), Tesla_28 (S), VasuNzinga_28 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:
•Start number 2 was manually annotated 16 times for cluster S.

Gene Information:
Gene: Beelzebub_32 Start: 8634, Stop: 8885, Start Num: 2
Candidate Starts for Beelzebub_32:
(1, 8541), (Start: 2 @8634 has 16 MA's), (3, 8757),

Gene: Blackbeetle_29 Start: 7970, Stop: 8221, Start Num: 2
Candidate Starts for Blackbeetle_29:
(Start: 2 @7970 has 16 MA's), (3, 8093),

Gene: Caprice_25 Start: 7198, Stop: 7449, Start Num: 2
Candidate Starts for Caprice_25:
(Start: 2 @7198 has 16 MA's), (3, 7321),

Gene: Clarkson_29 Start: 8335, Stop: 8586, Start Num: 2
Candidate Starts for Clarkson_29:
(1, 8242), (Start: 2 @8335 has 16 MA's), (3, 8458),

Gene: Corazon_27 Start: 8288, Stop: 8539, Start Num: 2
Candidate Starts for Corazon_27:
(1, 8195), (Start: 2 @8288 has 16 MA's), (3, 8411),

Gene: Gattaca_28 Start: 7859, Stop: 8110, Start Num: 2
Candidate Starts for Gattaca_28:
(Start: 2 @7859 has 16 MA's), (3, 7982),

Gene: Huphlepuff_30 Start: 8140, Stop: 8391, Start Num: 2
Candidate Starts for Huphlepuff_30:
(1, 8047), (Start: 2 @8140 has 16 MA's), (3, 8263),

Gene: JoieB_29 Start: 8359, Stop: 8610, Start Num: 2
Candidate Starts for JoieB_29:
(1, 8266), (Start: 2 @8359 has 16 MA's), (3, 8482),

Gene: Lilbit_30 Start: 8336, Stop: 8587, Start Num: 2
Candidate Starts for Lilbit_30:
(1, 8243), (Start: 2 @8336 has 16 MA's), (3, 8459),

Gene: LittleLaf_28 Start: 8065, Stop: 8316, Start Num: 2
Candidate Starts for LittleLaf_28:
(1, 7972), (Start: 2 @8065 has 16 MA's), (3, 8188),

Gene: Marvin_27 Start: 8335, Stop: 8586, Start Num: 2

Candidate Starts for Marvin_27:
(1, 8242), (Start: 2 @8335 has 16 MA's), (3, 8458),

Gene: MosMoris_27 Start: 7859, Stop: 8110, Start Num: 2
Candidate Starts for MosMoris_27:
(Start: 2 @7859 has 16 MA's), (3, 7982),

Gene: Poise_29 Start: 7970, Stop: 8221, Start Num: 2
Candidate Starts for Poise_29:
(Start: 2 @7970 has 16 MA's), (3, 8093),

Gene: Pringar_28 Start: 7965, Stop: 8216, Start Num: 2
Candidate Starts for Pringar_28:
(1, 7872), (Start: 2 @7965 has 16 MA's), (3, 8088),

Gene: Raela_29 Start: 8525, Stop: 8776, Start Num: 2
Candidate Starts for Raela_29:
(Start: 2 @8525 has 16 MA's), (3, 8648),

Gene: RedRaider77_29 Start: 8109, Stop: 8360, Start Num: 2
Candidate Starts for RedRaider77_29:
(Start: 2 @8109 has 16 MA's), (3, 8232),

Gene: Tesla_28 Start: 7958, Stop: 8209, Start Num: 2
Candidate Starts for Tesla_28:
(1, 7865), (Start: 2 @7958 has 16 MA's), (3, 8081),

Gene: VasuNzinga_28 Start: 7542, Stop: 7793, Start Num: 2
Candidate Starts for VasuNzinga_28:
(1, 7449), (Start: 2 @7542 has 16 MA's), (3, 7665),