Pham 4705

1: Zakai_144 + 13
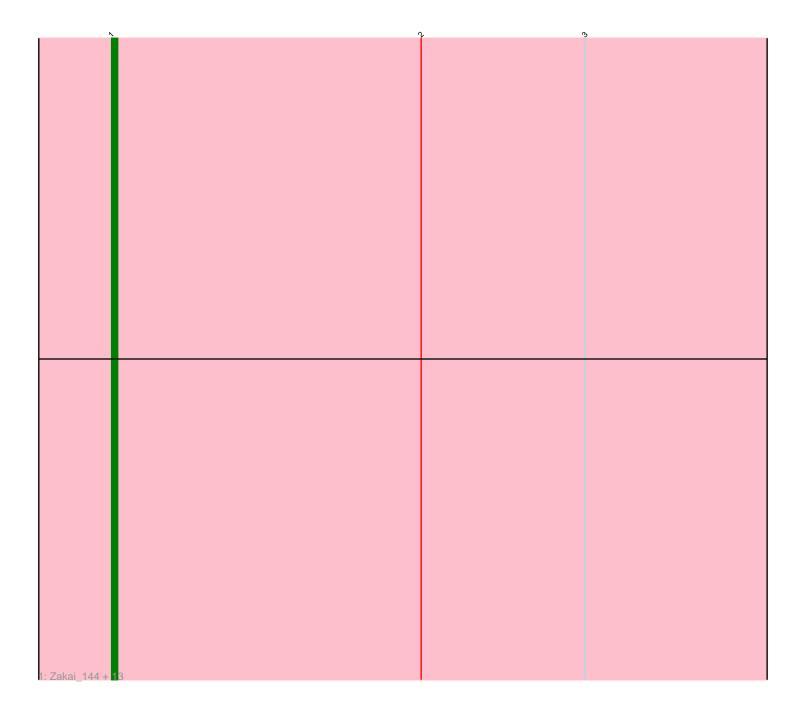
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 4705 Report

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

Pham number 4705 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zakai_144, Crossroads_143, MkaliMitinis3_142, Breezona_142, Wigglewiggle_143, Winky_142, Itos_143, DrSeegs_139, Faith1_139, Miley16_142, BigCheese_137, Netyap_141, Rumpelstiltskin_110, Loadrie_142

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigCheese_137, Breezona_142, Crossroads_143, DrSeegs_139, Faith1_139, Itos_143, Loadrie_142, Miley16_142, MkaliMitinis3_142, Netyap_141, Rumpelstiltskin_110, Wigglewiggle_143, Winky_142, Zakai_144,

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 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigCheese_137 (L2), Breezona_142 (L2), Crossroads_143 (L2), DrSeegs_139 (L2), Faith1_139 (L2), Itos_143 (L2), Loadrie_142 (L2), Miley16_142 (L2), MkaliMitinis3_142 (L2), Netyap_141 (L2), Rumpelstiltskin_110 (L2), Wigglewiggle_143 (L2), Winky_142 (L2), Zakai_144 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:
•Start number 1 was manually annotated 14 times for cluster L2.

Gene Information:

Gene: BigCheese_137 Start: 71499, Stop: 71335, Start Num: 1
Candidate Starts for BigCheese_137:
(Start: 1 @71499 has 14 MA's), (2, 71448), (3, 71421),

Gene: Breezona_142 Start: 75341, Stop: 75177, Start Num: 1
Candidate Starts for Breezona_142:
(Start: 1 @75341 has 14 MA's), (2, 75290), (3, 75263),

Gene: Crossroads_143 Start: 74903, Stop: 74748, Start Num: 1
Candidate Starts for Crossroads_143:
(Start: 1 @74903 has 14 MA's), (2, 74852), (3, 74825),

Gene: DrSeegs_139 Start: 75341, Stop: 75177, Start Num: 1
Candidate Starts for DrSeegs_139:
(Start: 1 @75341 has 14 MA's), (2, 75290), (3, 75263),

Gene: Faith1_139 Start: 74649, Stop: 74485, Start Num: 1
Candidate Starts for Faith1_139:
(Start: 1 @74649 has 14 MA's), (2, 74598), (3, 74571),

Gene: Itos_143 Start: 73626, Stop: 73462, Start Num: 1
Candidate Starts for Itos_143:
(Start: 1 @73626 has 14 MA's), (2, 73575), (3, 73548),

Gene: Loadrie_142 Start: 75241, Stop: 75086, Start Num: 1
Candidate Starts for Loadrie_142:
(Start: 1 @75241 has 14 MA's), (2, 75190), (3, 75163),

Gene: Miley16_142 Start: 75342, Stop: 75178, Start Num: 1
Candidate Starts for Miley16_142:
(Start: 1 @75342 has 14 MA's), (2, 75291), (3, 75264),

Gene: MkaliMitinis3_142 Start: 74618, Stop: 74463, Start Num: 1
Candidate Starts for MkaliMitinis3_142:
(Start: 1 @74618 has 14 MA's), (2, 74567), (3, 74540),

Gene: Netyap_141 Start: 75055, Stop: 74891, Start Num: 1
Candidate Starts for Netyap_141:
(Start: 1 @75055 has 14 MA's), (2, 75004), (3, 74977),

Gene: Rumpelstiltskin_110 Start: 68065, Stop: 67901, Start Num: 1
Candidate Starts for Rumpelstiltskin_110:
(Start: 1 @68065 has 14 MA's), (2, 68014), (3, 67987),

Gene: Wigglewiggle_143 Start: 75203, Stop: 75048, Start Num: 1

Candidate Starts for Wigglewiggle_143:
(Start: 1 @75203 has 14 MA's), (2, 75152), (3, 75125),

Gene: Winky_142 Start: 75342, Stop: 75178, Start Num: 1
Candidate Starts for Winky_142:
(Start: 1 @75342 has 14 MA's), (2, 75291), (3, 75264),

Gene: Zakai_144 Start: 75052, Stop: 74888, Start Num: 1
Candidate Starts for Zakai_144:
(Start: 1 @75052 has 14 MA's), (2, 75001), (3, 74974),