Pham 203464

1: Rings_42 + 5

2: Molivia_47
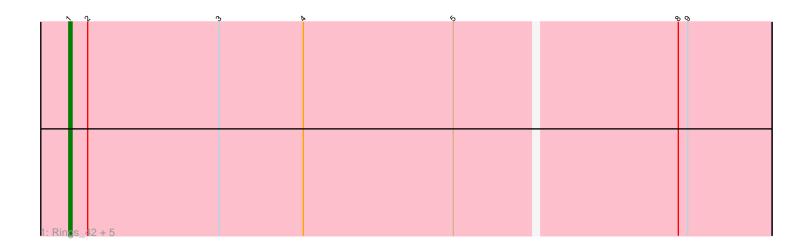
3: Boersma_44 + 5

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 203464 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203464 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rings_42, Heylee_46, Anansi_43, Gorgeous_43, SorJuana_43, Amavida_46
• Track 2 : Molivia_47
• Track 3 : Boersma_44, Amigo_43, Ichor_42, Thunderclap_43, Yeezus_42, Jaek_42

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_46, Amigo_43, Anansi_43, Boersma_44, Gorgeous_43, Heylee_46, Ichor_42, Jaek_42, Molivia_47, Rings_42, SorJuana_43, Thunderclap_43, Yeezus_42,

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 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_46 (AQ), Amigo_43 (AQ), Anansi_43 (AQ), Boersma_44 (AQ), Gorgeous_43 (AQ), Heylee_46 (AQ), Ichor_42 (AQ), Jaek_42 (AQ), Molivia_47 (AQ), Rings_42 (AQ), SorJuana_43 (AQ), Thunderclap_43 (AQ), Yeezus_42 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:
•Start number 1 was manually annotated 13 times for cluster AQ.

Gene Information:

Gene: Amavida_46 Start: 30744, Stop: 30965, Start Num: 1
Candidate Starts for Amavida_46:
(Start: 1 @30744 has 13 MA's), (2, 30750), (3, 30792), (4, 30819), (5, 30867), (8, 30936), (9, 30939),

Gene: Amigo_43 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Amigo_43:
(Start: 1 @30618 has 13 MA's), (2, 30624), (5, 30741), (8, 30810), (9, 30813),

Gene: Anansi_43 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Anansi_43:
(Start: 1 @30618 has 13 MA's), (2, 30624), (3, 30666), (4, 30693), (5, 30741), (8, 30810), (9, 30813),

Gene: Boersma_44 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Boersma_44:
(Start: 1 @30618 has 13 MA's), (2, 30624), (5, 30741), (8, 30810), (9, 30813),

Gene: Gorgeous_43 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Gorgeous_43:
(Start: 1 @30618 has 13 MA's), (2, 30624), (3, 30666), (4, 30693), (5, 30741), (8, 30810), (9, 30813),

Gene: Heylee_46 Start: 30744, Stop: 30965, Start Num: 1
Candidate Starts for Heylee_46:
(Start: 1 @30744 has 13 MA's), (2, 30750), (3, 30792), (4, 30819), (5, 30867), (8, 30936), (9, 30939),

Gene: Ichor_42 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Ichor_42:
(Start: 1 @30618 has 13 MA's), (2, 30624), (5, 30741), (8, 30810), (9, 30813),

Gene: Jaek_42 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for Jaek_42:
(Start: 1 @30618 has 13 MA's), (2, 30624), (5, 30741), (8, 30810), (9, 30813),

Gene: Molivia_47 Start: 29639, Stop: 29860, Start Num: 1
Candidate Starts for Molivia_47:
(Start: 1 @29639 has 13 MA's), (6, 29789), (7, 29795), (8, 29834),

Gene: Rings_42 Start: 30740, Stop: 30961, Start Num: 1
Candidate Starts for Rings_42:
(Start: 1 @30740 has 13 MA's), (2, 30746), (3, 30788), (4, 30815), (5, 30863), (8, 30932), (9, 30935),

Gene: SorJuana_43 Start: 30618, Stop: 30839, Start Num: 1
Candidate Starts for SorJuana_43:
(Start: 1 @30618 has 13 MA's), (2, 30624), (3, 30666), (4, 30693), (5, 30741), (8, 30810), (9, 30813),

Gene: Thunderclap_43 Start: 30647, Stop: 30868, Start Num: 1
Candidate Starts for Thunderclap_43:
(Start: 1 @30647 has 13 MA's), (2, 30653), (5, 30770), (8, 30839), (9, 30842),

Gene: Yeezus_42 Start: 30617, Stop: 30838, Start Num: 1
Candidate Starts for Yeezus_42:
(Start: 1 @30617 has 13 MA's), (2, 30623), (5, 30740), (8, 30809), (9, 30812),