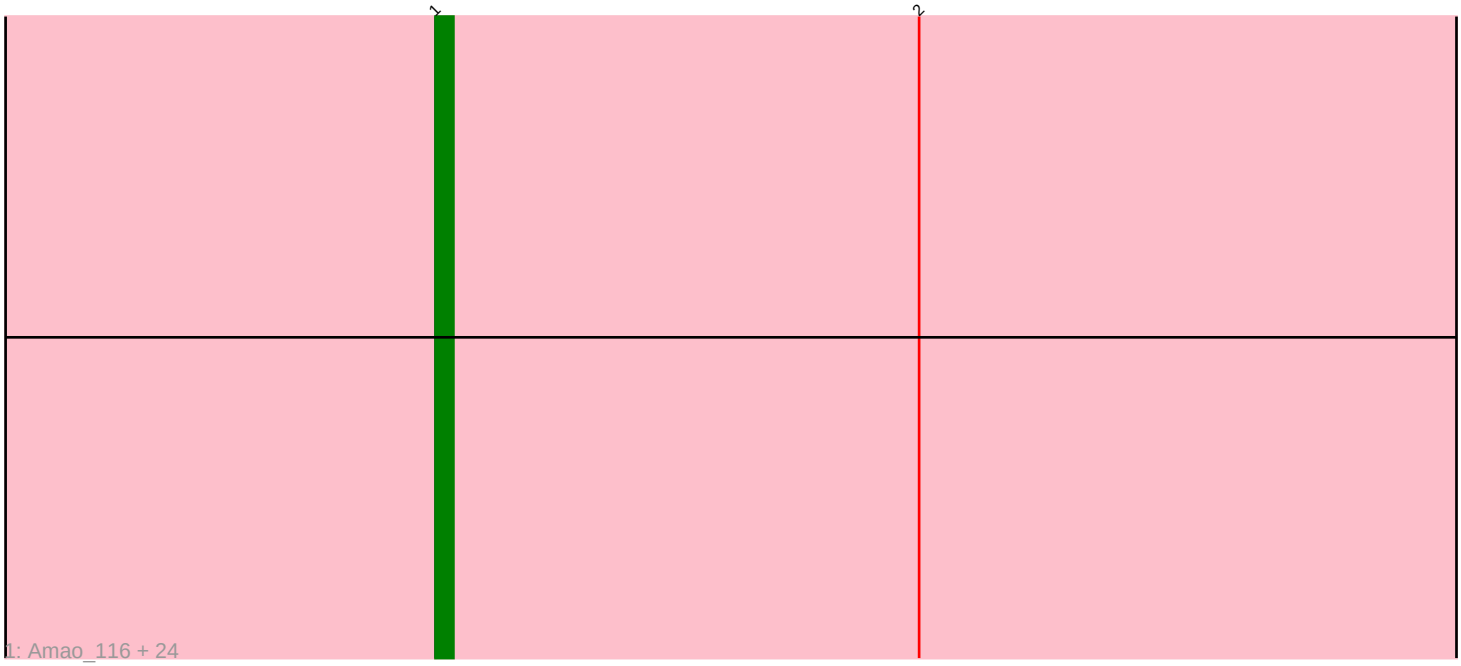
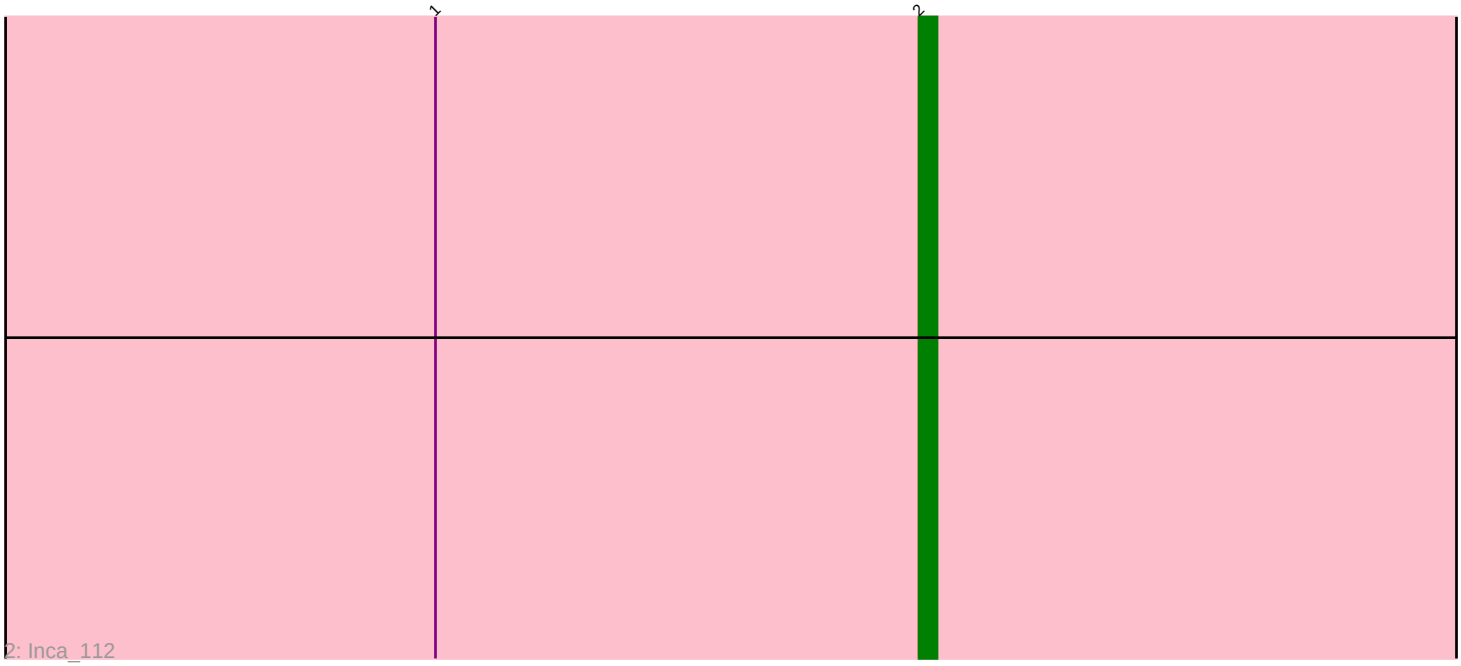
Pham 3005





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 3005 Report

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

Pham number 3005 has 26 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Amao_116, Marshmallow_114, Dusk_113, ChotaBhai_116, BadStone_113, Icee_117, Gator_114, Henry_114, Phaja_114, Cactus_120, Tuco_117, TeardropMSU_112, Bask21_116, ABCat_113, IHOP_114, Glexan_115, Pharsalus_112, Harella_117, DrDrey_116, Pat3_113, Kostya_116, Cookies_113, Sotrice96_117, Mindy_115, SirDuracell_116
• Track 2 : Inca_112

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 24 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABCat_113, Amao_116, BadStone_113, Bask21_116, Cactus_120, ChotaBhai_116, Cookies_113, DrDrey_116, Dusk_113, Gator_114, Glexan_115, Harella_117, Henry_114, IHOP_114, Icee_117, Kostya_116, Marshmallow_114, Mindy_115, Pat3_113, Phaja_114, Pharsalus_112, SirDuracell_116, Sotrice96_117, TeardropMSU_112, Tuco_117,

Genes that have the "Most Annotated" start but do not call it:
• Inca_112,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 24 of 25
• Called 96.2% of time when present
• Phage (with cluster) where this start called: ABCat_113 (E), Amao_116 (E), BadStone_113 (E), Bask21_116 (E), Cactus_120 (E), ChotaBhai_116 (E), Cookies_113 (E), DrDrey_116 (E), Dusk_113 (E), Gator_114 (E), Glexan_115 (E),

Harella_117 (E), Henry_114 (E), IHOP_114 (E), Icee_117 (E), Kostya_116 (E), Marshmallow_114 (E), Mindy_115 (E), Pat3_113 (E), Phaja_114 (E), Pharsalus_112 (E), SirDuracell_116 (E), Sotrice96_117 (E), TeardropMSU_112 (E), Tuco_117 (E),

Start 2:
• Found in 26 of 26 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 25
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Inca_112 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 1 was manually annotated 24 times for cluster E.
•Start number 2 was manually annotated 1 time for cluster E.

Gene Information:

Gene: ABCat_113 Start: 66247, Stop: 66456, Start Num: 1
Candidate Starts for ABCat_113:
(Start: 1 @66247 has 24 MA's), (Start: 2 @66274 has 1 MA's),

Gene: Amao_116 Start: 65810, Stop: 66019, Start Num: 1
Candidate Starts for Amao_116:
(Start: 1 @65810 has 24 MA's), (Start: 2 @65837 has 1 MA's),

Gene: BadStone_113 Start: 65795, Stop: 66004, Start Num: 1
Candidate Starts for BadStone_113:
(Start: 1 @65795 has 24 MA's), (Start: 2 @65822 has 1 MA's),

Gene: Bask21_116 Start: 64612, Stop: 64821, Start Num: 1
Candidate Starts for Bask21_116:
(Start: 1 @64612 has 24 MA's), (Start: 2 @64639 has 1 MA's),

Gene: Cactus_120 Start: 65155, Stop: 65364, Start Num: 1
Candidate Starts for Cactus_120:
(Start: 1 @65155 has 24 MA's), (Start: 2 @65182 has 1 MA's),

Gene: ChotaBhai_116 Start: 65554, Stop: 65763, Start Num: 1
Candidate Starts for ChotaBhai_116:
(Start: 1 @65554 has 24 MA's), (Start: 2 @65581 has 1 MA's),

Gene: Cookies_113 Start: 65540, Stop: 65749, Start Num: 1
Candidate Starts for Cookies_113:
(Start: 1 @65540 has 24 MA's), (Start: 2 @65567 has 1 MA's),

Gene: DrDrey_116 Start: 66933, Stop: 67142, Start Num: 1
Candidate Starts for DrDrey_116:
(Start: 1 @66933 has 24 MA's), (Start: 2 @66960 has 1 MA's),

Gene: Dusk_113 Start: 65455, Stop: 65664, Start Num: 1
Candidate Starts for Dusk_113:
(Start: 1 @65455 has 24 MA's), (Start: 2 @65482 has 1 MA's),

Gene: Gator_114 Start: 65507, Stop: 65716, Start Num: 1
Candidate Starts for Gator_114:
(Start: 1 @65507 has 24 MA's), (Start: 2 @65534 has 1 MA's),

Gene: Glexan_115 Start: 65657, Stop: 65866, Start Num: 1
Candidate Starts for Glexan_115:
(Start: 1 @65657 has 24 MA's), (Start: 2 @65684 has 1 MA's),

Gene: Harella_117 Start: 66173, Stop: 66382, Start Num: 1
Candidate Starts for Harella_117:
(Start: 1 @66173 has 24 MA's), (Start: 2 @66200 has 1 MA's),

Gene: Henry_114 Start: 65458, Stop: 65667, Start Num: 1
Candidate Starts for Henry_114:
(Start: 1 @65458 has 24 MA's), (Start: 2 @65485 has 1 MA's),

Gene: IHOP_114 Start: 65176, Stop: 65385, Start Num: 1
Candidate Starts for IHOP_114:
(Start: 1 @65176 has 24 MA's), (Start: 2 @65203 has 1 MA's),

Gene: Icee_117 Start: 65146, Stop: 65355, Start Num: 1
Candidate Starts for Icee_117:
(Start: 1 @65146 has 24 MA's), (Start: 2 @65173 has 1 MA's),

Gene: Inca_112 Start: 63382, Stop: 63564, Start Num: 2
Candidate Starts for Inca_112:
(Start: 1 @63355 has 24 MA's), (Start: 2 @63382 has 1 MA's),

Gene: Kostya_116 Start: 65278, Stop: 65487, Start Num: 1
Candidate Starts for Kostya_116:
(Start: 1 @65278 has 24 MA's), (Start: 2 @65305 has 1 MA's),

Gene: Marshmallow_114 Start: 65960, Stop: 66169, Start Num: 1
Candidate Starts for Marshmallow_114:
(Start: 1 @65960 has 24 MA's), (Start: 2 @65987 has 1 MA's),

Gene: Mindy_115 Start: 65119, Stop: 65328, Start Num: 1
Candidate Starts for Mindy_115:
(Start: 1 @65119 has 24 MA's), (Start: 2 @65146 has 1 MA's),

Gene: Pat3_113 Start: 64613, Stop: 64822, Start Num: 1
Candidate Starts for Pat3_113:
(Start: 1 @64613 has 24 MA's), (Start: 2 @64640 has 1 MA's),

Gene: Phaja_114 Start: 65181, Stop: 65390, Start Num: 1
Candidate Starts for Phaja_114:
(Start: 1 @65181 has 24 MA's), (Start: 2 @65208 has 1 MA's),

Gene: Pharsalus_112 Start: 65255, Stop: 65464, Start Num: 1
Candidate Starts for Pharsalus_112:
(Start: 1 @65255 has 24 MA's), (Start: 2 @65282 has 1 MA's),

Gene: SirDuracell_116 Start: 65112, Stop: 65321, Start Num: 1
Candidate Starts for SirDuracell_116:
(Start: 1 @65112 has 24 MA's), (Start: 2 @65139 has 1 MA's),

Gene: Sotrice96_117 Start: 65899, Stop: 66108, Start Num: 1
Candidate Starts for Sotrice96_117:
(Start: 1 @65899 has 24 MA's), (Start: 2 @65926 has 1 MA's),

Gene: TeardropMSU_112 Start: 65001, Stop: 65210, Start Num: 1
Candidate Starts for TeardropMSU_112:
(Start: 1 @65001 has 24 MA's), (Start: 2 @65028 has 1 MA's),

Gene: Tuco_117 Start: 67060, Stop: 67269, Start Num: 1
Candidate Starts for Tuco_117:
(Start: 1 @67060 has 24 MA's), (Start: 2 @67087 has 1 MA's),