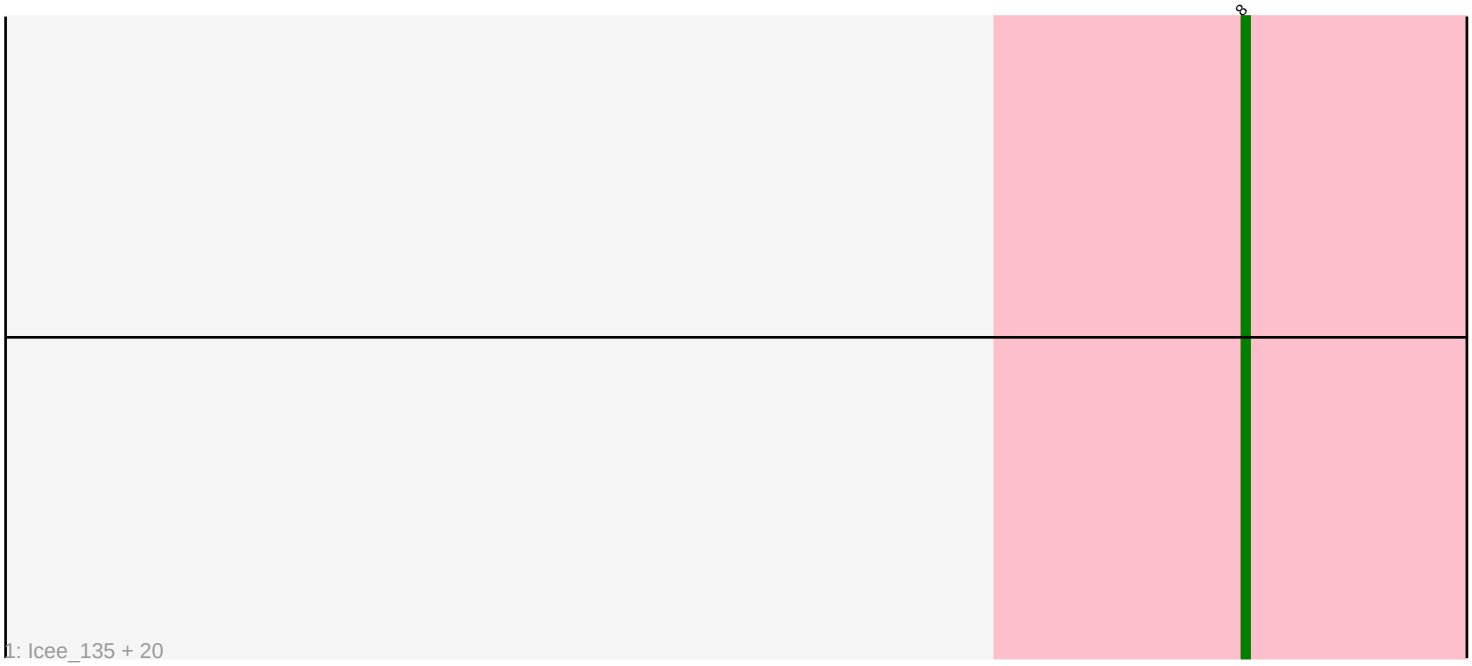
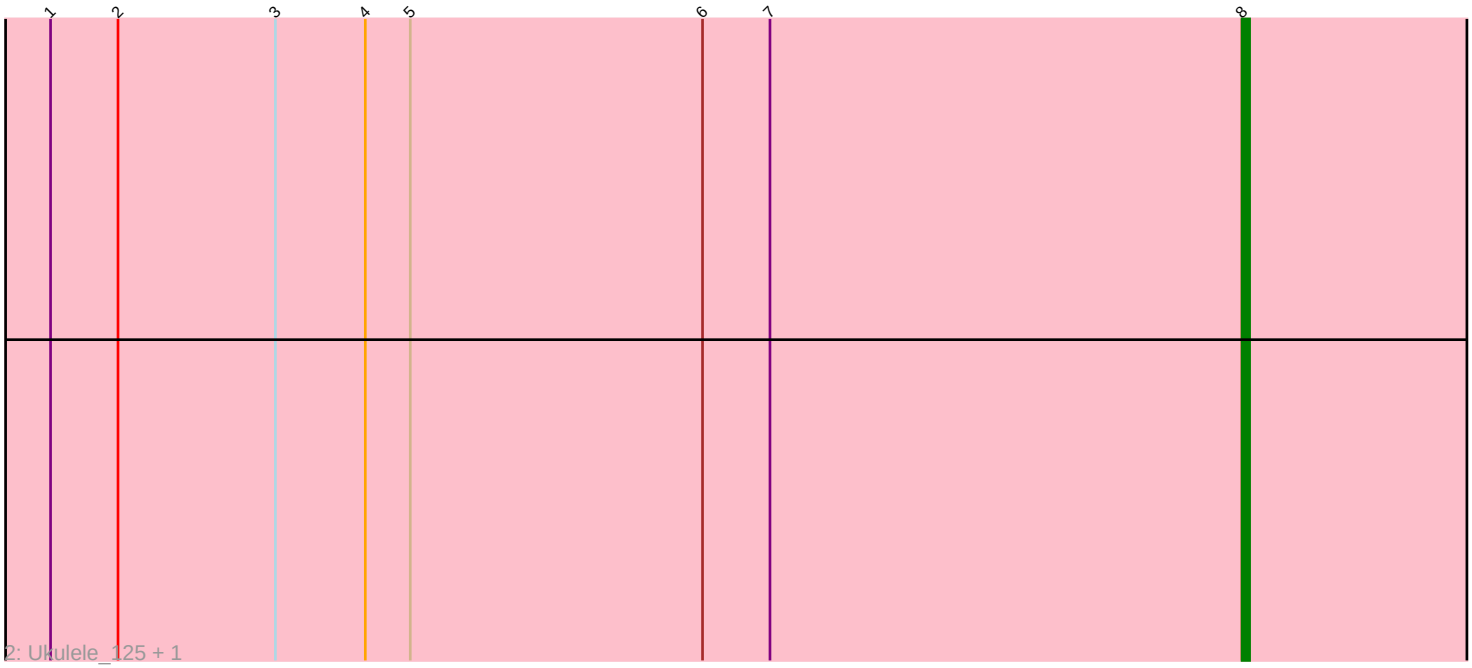
Pham 106538





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 106538 Report

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

Pham number 106538 has 23 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Icee_135, ABCat_131, ChotaBhai_134, NelitzaMV_128, Phaja_134, Thresher_132, Murphy_129, RiverMonster_129, ShereKhan_129, Bask21_135, IHOP_134, Tuco_136, Nimrod_131, Dusk_131, BadStone_131, Barbarian_130, Maxxinista_132, DrDrey_134, TeardropMSU_131, Mindy_133, Simpliphy_129
• Track 2 : Ukulele_125, Phaux_132

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

The start number called the most often in the published annotations is 8, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABCat_131, BadStone_131, Barbarian_130, Bask21_135, ChotaBhai_134, DrDrey_134, Dusk_131, IHOP_134, Icee_135, Maxxinista_132, Mindy_133, Murphy_129, NelitzaMV_128, Nimrod_131, Phaja_134, Phaux_132, RiverMonster_129, ShereKhan_129, Simpliphy_129, TeardropMSU_131, Thresher_132, Tuco_136, Ukulele_125,

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 8:
• Found in 23 of 23 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ABCat_131 (E), BadStone_131 (E), Barbarian_130 (E), Bask21_135 (E), ChotaBhai_134 (E), DrDrey_134 (E), Dusk_131 (E), IHOP_134 (E), Icee_135 (E), Maxxinista_132 (E), Mindy_133 (E), Murphy_129 (E), NelitzaMV_128 (E), Nimrod_131 (E), Phaja_134 (E), Phaux_132 (E),

RiverMonster_129 (E), ShereKhan_129 (E), Simpliphy_129 (E), TeardropMSU_131 (E), Thresher_132 (E), Tuco_136 (E), Ukulele_125 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 8 was manually annotated 23 times for cluster E.

Gene Information:

Gene: ABCat_131 Start: 71301, Stop: 71227, Start Num: 8
Candidate Starts for ABCat_131:
(Start: 8 @71301 has 23 MA's),

Gene: BadStone_131 Start: 70849, Stop: 70775, Start Num: 8
Candidate Starts for BadStone_131:
(Start: 8 @70849 has 23 MA's),

Gene: Barbarian_130 Start: 68606, Stop: 68532, Start Num: 8
Candidate Starts for Barbarian_130:
(Start: 8 @68606 has 23 MA's),

Gene: Bask21_135 Start: 69772, Stop: 69698, Start Num: 8
Candidate Starts for Bask21_135:
(Start: 8 @69772 has 23 MA's),

Gene: ChotaBhai_134 Start: 70608, Stop: 70534, Start Num: 8
Candidate Starts for ChotaBhai_134:
(Start: 8 @70608 has 23 MA's),

Gene: DrDrey_134 Start: 72082, Stop: 72008, Start Num: 8
Candidate Starts for DrDrey_134:
(Start: 8 @72082 has 23 MA's),

Gene: Dusk_131 Start: 70509, Stop: 70435, Start Num: 8
Candidate Starts for Dusk_131:
(Start: 8 @70509 has 23 MA's),

Gene: IHOP_134 Start: 70325, Stop: 70251, Start Num: 8
Candidate Starts for IHOP_134:
(Start: 8 @70325 has 23 MA's),

Gene: Icee_135 Start: 70201, Stop: 70127, Start Num: 8
Candidate Starts for Icee_135:
(Start: 8 @70201 has 23 MA's),

Gene: Maxxinista_132 Start: 69783, Stop: 69709, Start Num: 8
Candidate Starts for Maxxinista_132:
(Start: 8 @69783 has 23 MA's),

Gene: Mindy_133 Start: 70173, Stop: 70099, Start Num: 8
Candidate Starts for Mindy_133:
(Start: 8 @70173 has 23 MA's),

Gene: Murphy_129 Start: 70157, Stop: 70083, Start Num: 8
Candidate Starts for Murphy_129:
(Start: 8 @70157 has 23 MA's),

Gene: NelitzaMV_128 Start: 68480, Stop: 68406, Start Num: 8
Candidate Starts for NelitzaMV_128:
(Start: 8 @68480 has 23 MA's),

Gene: Nimrod_131 Start: 70942, Stop: 70868, Start Num: 8
Candidate Starts for Nimrod_131:
(Start: 8 @70942 has 23 MA's),

Gene: Phaja_134 Start: 70330, Stop: 70256, Start Num: 8
Candidate Starts for Phaja_134:
(Start: 8 @70330 has 23 MA's),

Gene: Phaux_132 Start: 71097, Stop: 71023, Start Num: 8
Candidate Starts for Phaux_132:
(1, 71256), (2, 71247), (3, 71226), (4, 71214), (5, 71208), (6, 71169), (7, 71160), (Start: 8 @71097 has 23 MA's),

Gene: RiverMonster_129 Start: 70070, Stop: 69996, Start Num: 8
Candidate Starts for RiverMonster_129:
(Start: 8 @70070 has 23 MA's),

Gene: ShereKhan_129 Start: 70829, Stop: 70755, Start Num: 8
Candidate Starts for ShereKhan_129:
(Start: 8 @70829 has 23 MA's),

Gene: Simpliphy_129 Start: 69641, Stop: 69567, Start Num: 8
Candidate Starts for Simpliphy_129:
(Start: 8 @69641 has 23 MA's),

Gene: TeardropMSU_131 Start: 70055, Stop: 69981, Start Num: 8
Candidate Starts for TeardropMSU_131:
(Start: 8 @70055 has 23 MA's),

Gene: Thresher_132 Start: 70949, Stop: 70875, Start Num: 8
Candidate Starts for Thresher_132:
(Start: 8 @70949 has 23 MA's),

Gene: Tuco_136 Start: 72114, Stop: 72040, Start Num: 8
Candidate Starts for Tuco_136:
(Start: 8 @72114 has 23 MA's),

Gene: Ukulele_125 Start: 69450, Stop: 69376, Start Num: 8
Candidate Starts for Ukulele_125:

(1, 69609), (2, 69600), (3, 69579), (4, 69567), (5, 69561), (6, 69522), (7, 69513), (Start: 8 @69450 has 23 MA's),