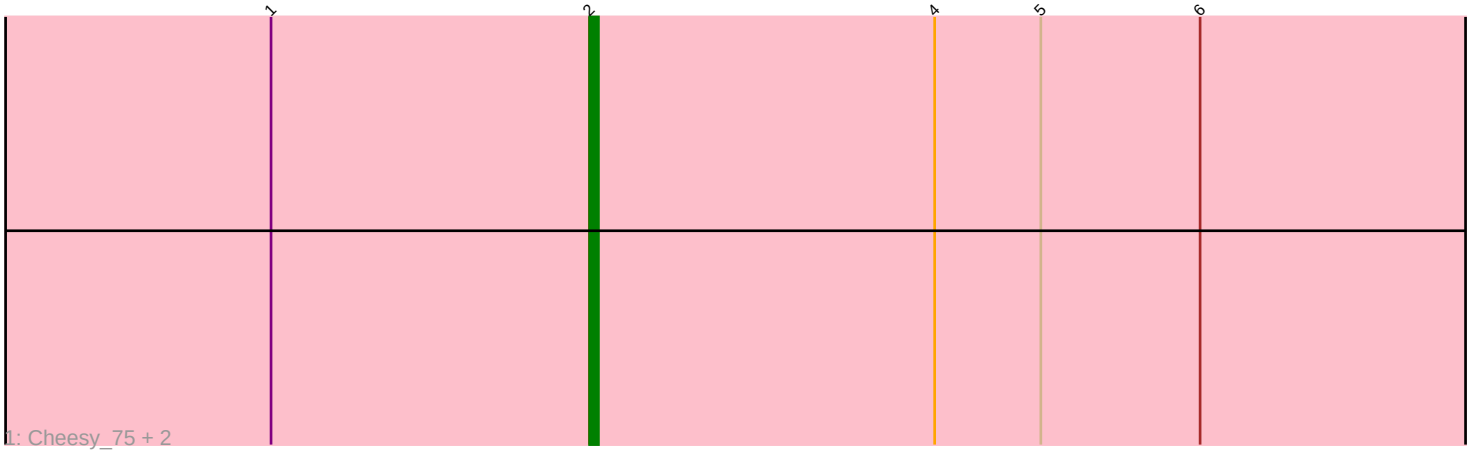
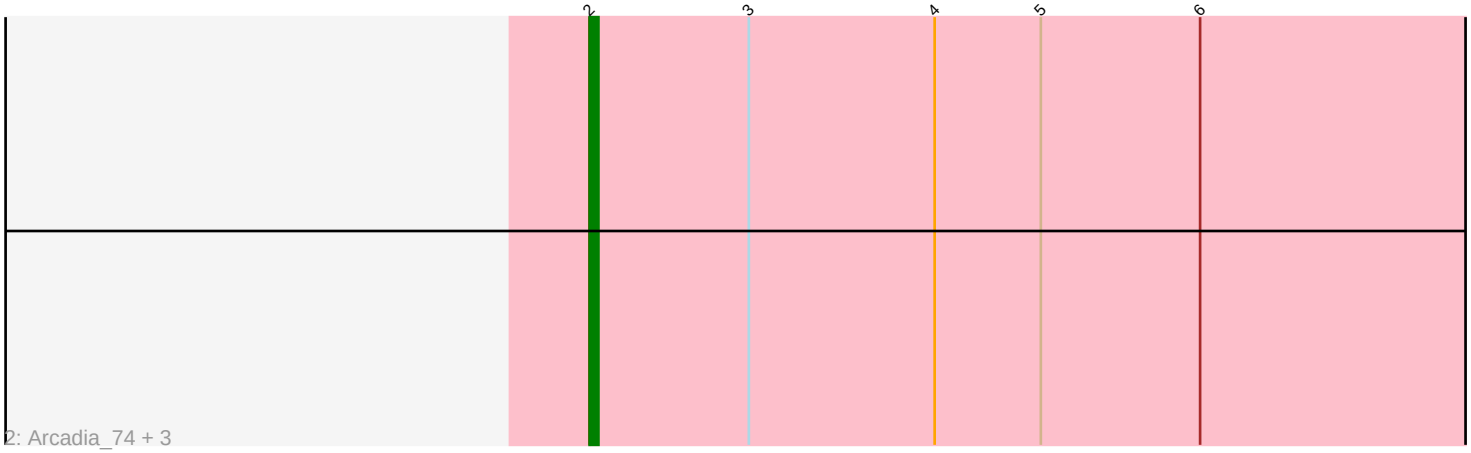
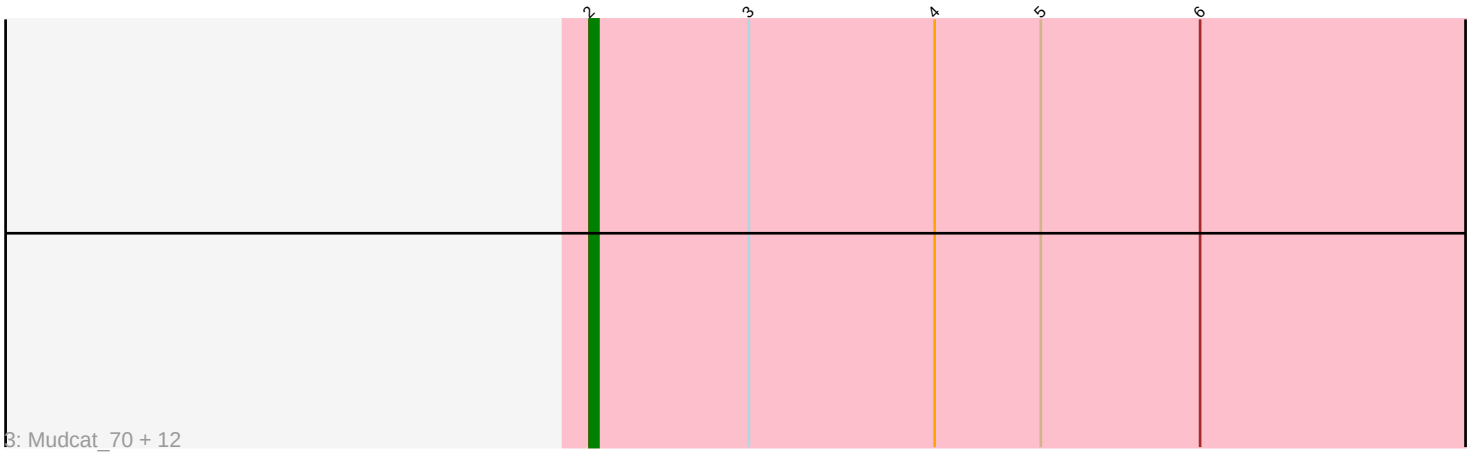
Pham 106609







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 106609 Report

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

Pham number 106609 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cheesy_75, Correa_73, Tribby_78
• Track 2 : Arcadia_74, Elsa_74, Nason_74, Xenomorph_71
• Track 3 : Mudcat_70, Circum_76, Dynamite_74, GoCrazy_71, Hankly_74, Heisenberger_73, NapoleonB_75, Kardesai_74, Mooshroom_74, JEGGS_73, Benllo_75, BenitoAntonio_73, KeaneyLin_70

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_74, BenitoAntonio_73, Benllo_75, Cheesy_75, Circum_76, Correa_73, Dynamite_74, Elsa_74, GoCrazy_71, Hankly_74, Heisenberger_73, JEGGS_73, Kardesai_74, KeaneyLin_70, Mooshroom_74, Mudcat_70, NapoleonB_75, Nason_74, Tribby_78, Xenomorph_71,

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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_74 (AM), BenitoAntonio_73 (AM), Benllo_75 (AM), Cheesy_75 (AM), Circum_76 (AM), Correa_73 (AM), Dynamite_74 (AM), Elsa_74 (AM), GoCrazy_71 (AM), Hankly_74 (AM), Heisenberger_73 (AM), JEGGS_73 (AM), Kardesai_74 (AM), KeaneyLin_70 (AM), Mooshroom_74 (AM), Mudcat_70 (AM), NapoleonB_75 (AM), Nason_74 (AM),

Tribby_78 (AM), Xenomorph_71 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:
•Start number 2 was manually annotated 18 times for cluster AM.

Gene Information:

Gene: Arcadia_74 Start: 45108, Stop: 45305, Start Num: 2
Candidate Starts for Arcadia_74:
(Start: 2 @45108 has 18 MA's), (3, 45126), (4, 45147), (5, 45159), (6, 45177),

Gene: BenitoAntonio_73 Start: 44749, Stop: 44949, Start Num: 2
Candidate Starts for BenitoAntonio_73:
(Start: 2 @44749 has 18 MA's), (3, 44767), (4, 44788), (5, 44800), (6, 44818),

Gene: Benllo_75 Start: 45427, Stop: 45624, Start Num: 2
Candidate Starts for Benllo_75:
(Start: 2 @45427 has 18 MA's), (3, 45445), (4, 45466), (5, 45478), (6, 45496),

Gene: Cheesy_75 Start: 44900, Stop: 45097, Start Num: 2
Candidate Starts for Cheesy_75:
(1, 44864), (Start: 2 @44900 has 18 MA's), (4, 44939), (5, 44951), (6, 44969),

Gene: Circum_76 Start: 45517, Stop: 45717, Start Num: 2
Candidate Starts for Circum_76:
(Start: 2 @45517 has 18 MA's), (3, 45535), (4, 45556), (5, 45568), (6, 45586),

Gene: Correa_73 Start: 44474, Stop: 44671, Start Num: 2
Candidate Starts for Correa_73:
(1, 44438), (Start: 2 @44474 has 18 MA's), (4, 44513), (5, 44525), (6, 44543),

Gene: Dynamite_74 Start: 44960, Stop: 45160, Start Num: 2
Candidate Starts for Dynamite_74:
(Start: 2 @44960 has 18 MA's), (3, 44978), (4, 44999), (5, 45011), (6, 45029),

Gene: Elsa_74 Start: 45108, Stop: 45305, Start Num: 2
Candidate Starts for Elsa_74:
(Start: 2 @45108 has 18 MA's), (3, 45126), (4, 45147), (5, 45159), (6, 45177),

Gene: GoCrazy_71 Start: 44404, Stop: 44604, Start Num: 2
Candidate Starts for GoCrazy_71:
(Start: 2 @44404 has 18 MA's), (3, 44422), (4, 44443), (5, 44455), (6, 44473),

Gene: Hankly_74 Start: 44598, Stop: 44798, Start Num: 2
Candidate Starts for Hankly_74:
(Start: 2 @44598 has 18 MA's), (3, 44616), (4, 44637), (5, 44649), (6, 44667),

Gene: Heisenberger_73 Start: 44366, Stop: 44566, Start Num: 2
Candidate Starts for Heisenberger_73:
(Start: 2 @44366 has 18 MA's), (3, 44384), (4, 44405), (5, 44417), (6, 44435),

Gene: JEGGS_73 Start: 44445, Stop: 44645, Start Num: 2
Candidate Starts for JEGGS_73:
(Start: 2 @44445 has 18 MA's), (3, 44463), (4, 44484), (5, 44496), (6, 44514),

Gene: Kardesai_74 Start: 44718, Stop: 44918, Start Num: 2
Candidate Starts for Kardesai_74:
(Start: 2 @44718 has 18 MA's), (3, 44736), (4, 44757), (5, 44769), (6, 44787),

Gene: KeaneyLin_70 Start: 44404, Stop: 44604, Start Num: 2
Candidate Starts for KeaneyLin_70:
(Start: 2 @44404 has 18 MA's), (3, 44422), (4, 44443), (5, 44455), (6, 44473),

Gene: Mooshroom_74 Start: 44718, Stop: 44918, Start Num: 2
Candidate Starts for Mooshroom_74:
(Start: 2 @44718 has 18 MA's), (3, 44736), (4, 44757), (5, 44769), (6, 44787),

Gene: Mudcat_70 Start: 45803, Stop: 46003, Start Num: 2
Candidate Starts for Mudcat_70:
(Start: 2 @45803 has 18 MA's), (3, 45821), (4, 45842), (5, 45854), (6, 45872),

Gene: NapoleonB_75 Start: 44960, Stop: 45160, Start Num: 2
Candidate Starts for NapoleonB_75:
(Start: 2 @44960 has 18 MA's), (3, 44978), (4, 44999), (5, 45011), (6, 45029),

Gene: Nason_74 Start: 45108, Stop: 45305, Start Num: 2
Candidate Starts for Nason_74:
(Start: 2 @45108 has 18 MA's), (3, 45126), (4, 45147), (5, 45159), (6, 45177),

Gene: Tribby_78 Start: 45860, Stop: 46057, Start Num: 2
Candidate Starts for Tribby_78:
(1, 45824), (Start: 2 @45860 has 18 MA's), (4, 45899), (5, 45911), (6, 45929),

Gene: Xenomorph_71 Start: 45387, Stop: 45587, Start Num: 2
Candidate Starts for Xenomorph_71:
(Start: 2 @45387 has 18 MA's), (3, 45405), (4, 45426), (5, 45438), (6, 45456),