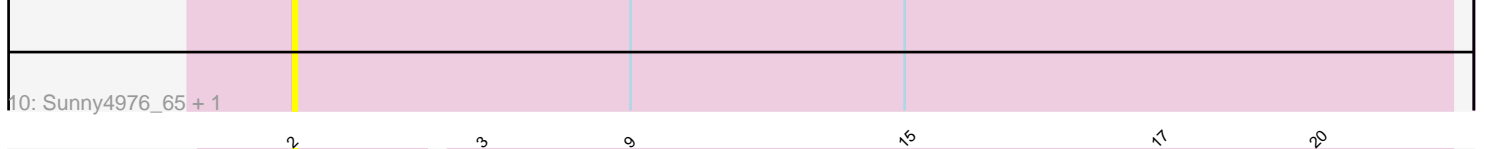
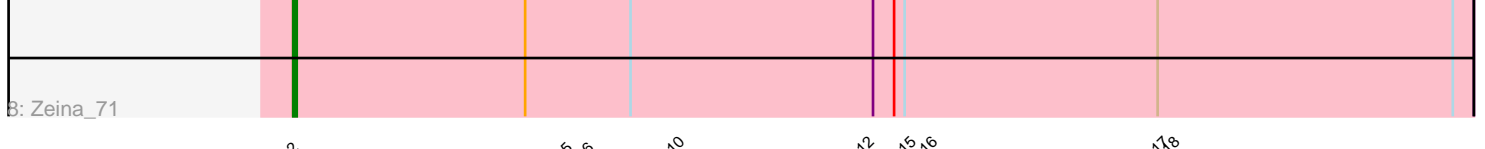
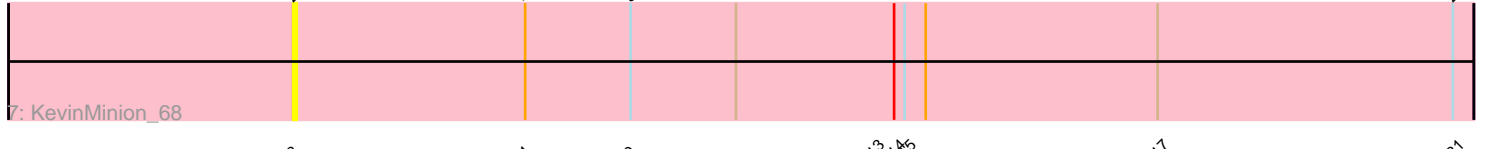
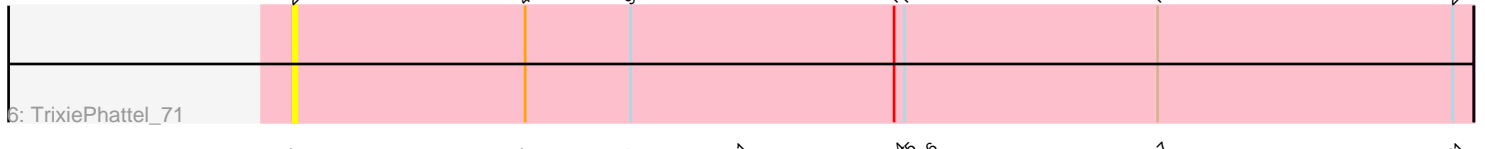
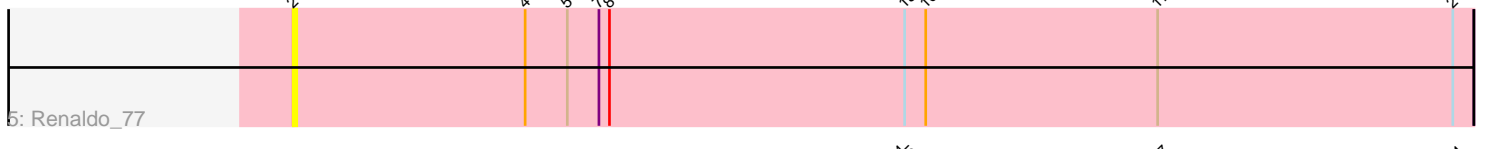
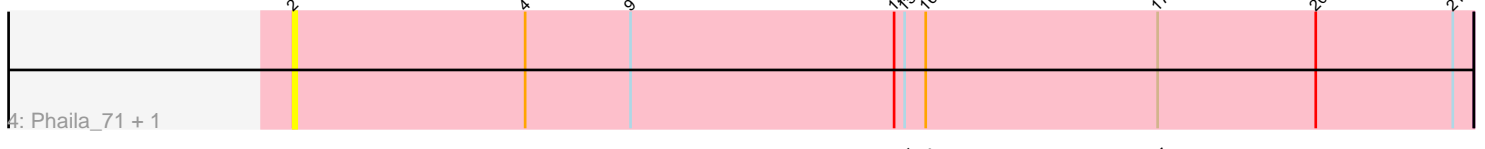
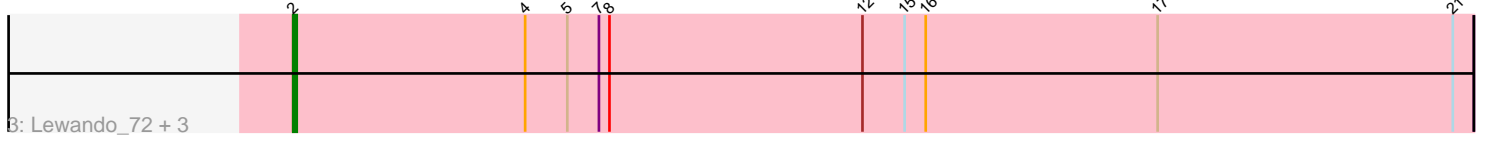
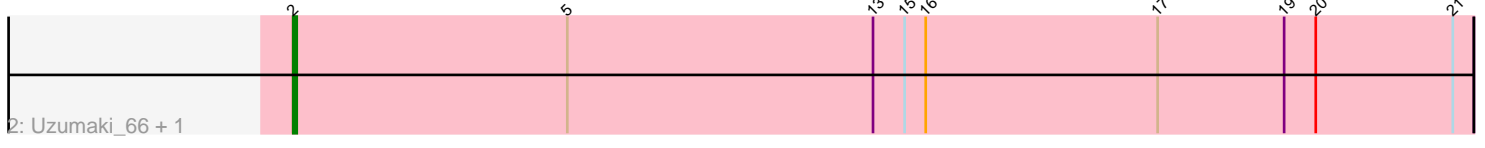
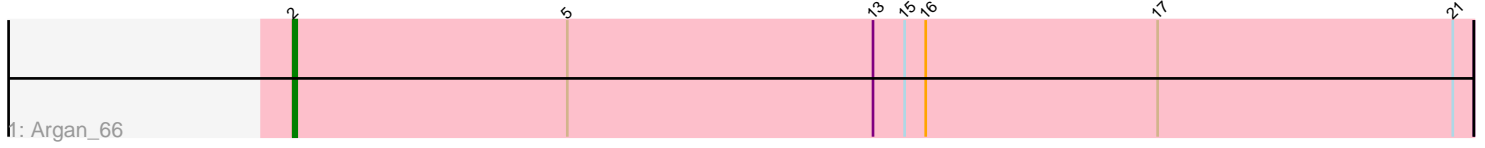


Pham 198469



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 198469 Report

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

Pham number 198469 has 17 members, 12 are drafts.

Phages represented in each track:

- Track 1 : Argan_66
- Track 2 : Uzumaki_66, GantcherGoblin_67
- Track 3 : Lewando_72, Biscute_72, BarbieDoll_73, Kinny_73
- Track 4 : Phaila_71, Navi1117_72
- Track 5 : Renaldo_77
- Track 6 : TrixiePhattel_71
- Track 7 : KevinMinion_68
- Track 8 : Zeina_71
- Track 9 : Leathea_69
- Track 10 : Sunny4976_65, Jazzy4900_66
- Track 11 : Arzan_67

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_66, Arzan_67, BarbieDoll_73, Biscute_72, GantcherGoblin_67, Jazzy4900_66, KevinMinion_68, Kinny_73, Leathea_69, Lewando_72, Navi1117_72, Phaila_71, Renaldo_77, Sunny4976_65, TrixiePhattel_71, Uzumaki_66, Zeina_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 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Argan_66 (AU6), Arzan_67 (FI), BarbieDoll_73 (AU6), Biscute_72 (AU6), GantcherGoblin_67 (AU6), Jazzy4900_66 (FI), KevinMinion_68 (AU6), Kinny_73 (AU6), Leathea_69 (AU6), Lewando_72 (AU6), Navi1117_72 (AU6), Phaila_71 (AU6), Renaldo_77 (AU6), Sunny4976_65 (FI), TrixiePhattel_71 (AU6), Uzumaki_66 (AU6), Zeina_71 (AU6),

Summary by clusters:

There are 2 clusters represented in this pham: FI, AU6,

Info for manual annotations of cluster AU6:

•Start number 2 was manually annotated 5 times for cluster AU6.

Gene Information:

Gene: Argan_66 Start: 43247, Stop: 43582, Start Num: 2

Candidate Starts for Argan_66:

(Start: 2 @43247 has 5 MA's), (5, 43325), (13, 43412), (15, 43421), (16, 43427), (17, 43493), (21, 43577),

Gene: Arzan_67 Start: 44099, Stop: 44422, Start Num: 2

Candidate Starts for Arzan_67:

(Start: 2 @44099 has 5 MA's), (3, 44147), (9, 44189), (15, 44267), (17, 44339), (20, 44384),

Gene: BarbieDoll_73 Start: 44960, Stop: 45295, Start Num: 2

Candidate Starts for BarbieDoll_73:

(Start: 2 @44960 has 5 MA's), (4, 45026), (5, 45038), (7, 45047), (8, 45050), (12, 45122), (15, 45134), (16, 45140), (17, 45206), (21, 45290),

Gene: Biscute_72 Start: 44612, Stop: 44947, Start Num: 2

Candidate Starts for Biscute_72:

(Start: 2 @44612 has 5 MA's), (4, 44678), (5, 44690), (7, 44699), (8, 44702), (12, 44774), (15, 44786), (16, 44792), (17, 44858), (21, 44942),

Gene: GantcherGoblin_67 Start: 43303, Stop: 43638, Start Num: 2

Candidate Starts for GantcherGoblin_67:

(Start: 2 @43303 has 5 MA's), (5, 43381), (13, 43468), (15, 43477), (16, 43483), (17, 43549), (19, 43585), (20, 43594), (21, 43633),

Gene: Jazzy4900_66 Start: 44859, Stop: 45188, Start Num: 2

Candidate Starts for Jazzy4900_66:

(Start: 2 @44859 has 5 MA's), (9, 44955), (15, 45033),

Gene: KevinMinion_68 Start: 44198, Stop: 44533, Start Num: 2

Candidate Starts for KevinMinion_68:

(1, 44117), (Start: 2 @44198 has 5 MA's), (4, 44264), (9, 44294), (11, 44324), (14, 44369), (15, 44372), (16, 44378), (17, 44444), (21, 44528),

Gene: Kinny_73 Start: 45440, Stop: 45775, Start Num: 2

Candidate Starts for Kinny_73:

(Start: 2 @45440 has 5 MA's), (4, 45506), (5, 45518), (7, 45527), (8, 45530), (12, 45602), (15, 45614), (16, 45620), (17, 45686), (21, 45770),

Gene: Leathea_69 Start: 43211, Stop: 43540, Start Num: 2

Candidate Starts for Leathea_69:

(Start: 2 @43211 has 5 MA's), (5, 43289), (6, 43295), (10, 43319), (12, 43373), (15, 43385), (16, 43391), (17, 43457), (18, 43460),

Gene: Lewando_72 Start: 45032, Stop: 45367, Start Num: 2

Candidate Starts for Lewando_72:

(Start: 2 @45032 has 5 MA's), (4, 45098), (5, 45110), (7, 45119), (8, 45122), (12, 45194), (15, 45206), (16, 45212), (17, 45278), (21, 45362),

Gene: Navi1117_72 Start: 44207, Stop: 44542, Start Num: 2

Candidate Starts for Navi1117_72:

(Start: 2 @44207 has 5 MA's), (4, 44273), (9, 44303), (14, 44378), (15, 44381), (16, 44387), (17, 44453), (20, 44498), (21, 44537),

Gene: Phaila_71 Start: 43433, Stop: 43768, Start Num: 2

Candidate Starts for Phaila_71:

(Start: 2 @43433 has 5 MA's), (4, 43499), (9, 43529), (14, 43604), (15, 43607), (16, 43613), (17, 43679), (20, 43724), (21, 43763),

Gene: Renaldo_77 Start: 45398, Stop: 45733, Start Num: 2

Candidate Starts for Renaldo_77:

(Start: 2 @45398 has 5 MA's), (4, 45464), (5, 45476), (7, 45485), (8, 45488), (15, 45572), (16, 45578), (17, 45644), (21, 45728),

Gene: Sunny4976_65 Start: 44859, Stop: 45188, Start Num: 2

Candidate Starts for Sunny4976_65:

(Start: 2 @44859 has 5 MA's), (9, 44955), (15, 45033),

Gene: TrixiePhattel_71 Start: 43595, Stop: 43930, Start Num: 2

Candidate Starts for TrixiePhattel_71:

(Start: 2 @43595 has 5 MA's), (4, 43661), (9, 43691), (14, 43766), (15, 43769), (17, 43841), (21, 43925),

Gene: Uzumaki_66 Start: 43404, Stop: 43739, Start Num: 2

Candidate Starts for Uzumaki_66:

(Start: 2 @43404 has 5 MA's), (5, 43482), (13, 43569), (15, 43578), (16, 43584), (17, 43650), (19, 43686), (20, 43695), (21, 43734),

Gene: Zeina_71 Start: 44101, Stop: 44436, Start Num: 2

Candidate Starts for Zeina_71:

(Start: 2 @44101 has 5 MA's), (4, 44167), (9, 44197), (13, 44266), (14, 44272), (15, 44275), (17, 44347), (21, 44431),