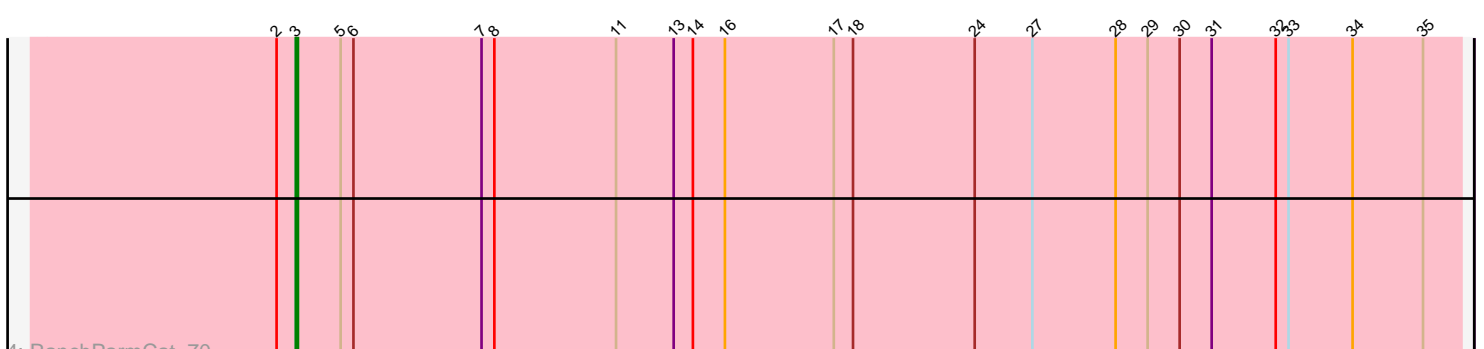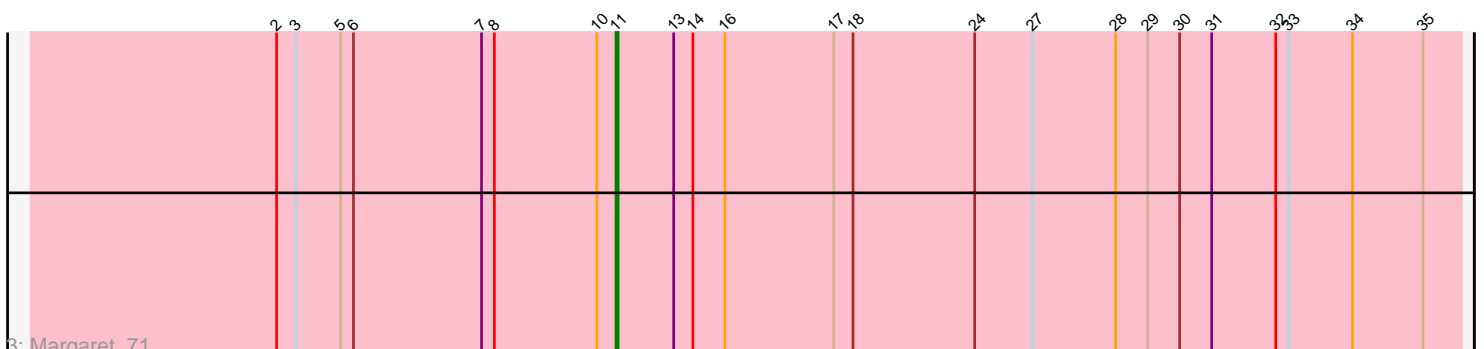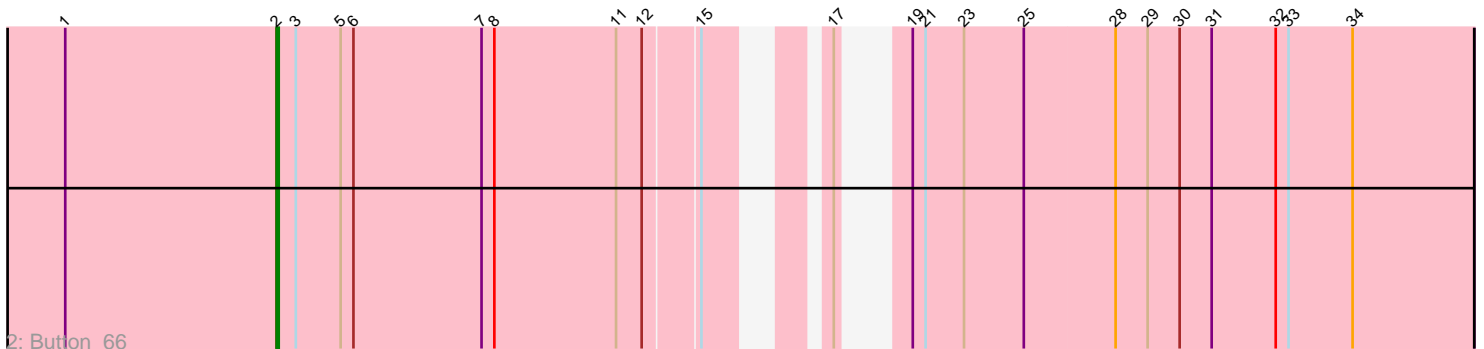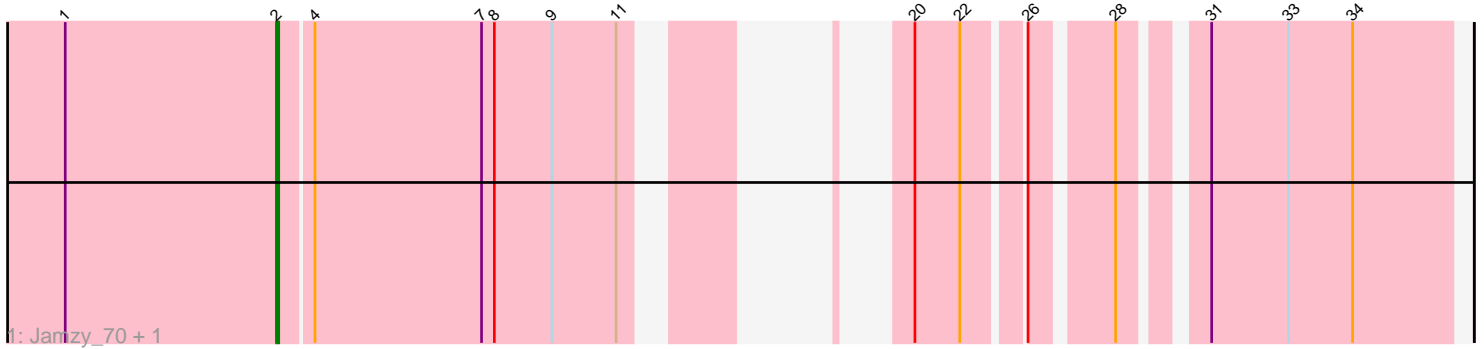# Pham 201104

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 201104 Report

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

Pham number 201104 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jamzy_70, GiKK_70
• Track 2 : Button_66
• Track 3 : Margaret_71
• Track 4 : RanchParmCat_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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Button_66, GiKK_70, Jamzy_70,

Genes that have the "Most Annotated" start but do not call it:
• Margaret_71, RanchParmCat_70,

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

Summary by start number:

Start 2:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Button_66 (CT), GiKK_70 (CT), Jamzy_70 (CT),

Start 3:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 33.3% of time when present
• Phage (with cluster) where this start called: RanchParmCat_70 (CT),

Start 11:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Margaret_71 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 2 was manually annotated 3 times for cluster CT.
•Start number 3 was manually annotated 1 time for cluster CT.
•Start number 11 was manually annotated 1 time for cluster CT.

Gene Information:

Gene: Button_66 Start: 44346, Stop: 44849, Start Num: 2
Candidate Starts for Button_66:
(1, 44247), (Start: 2 @44346 has 3 MA's), (Start: 3 @44355 has 1 MA's), (5, 44376), (6, 44382), (7, 44442), (8, 44448), (Start: 11 @44505 has 1 MA's), (12, 44517), (15, 44541), (17, 44577), (19, 44589), (21, 44595), (23, 44613), (25, 44640), (28, 44682), (29, 44697), (30, 44712), (31, 44727), (32, 44757), (33, 44763), (34, 44793),

Gene: GiKK_70 Start: 45635, Stop: 46060, Start Num: 2
Candidate Starts for GiKK_70:
(1, 45536), (Start: 2 @45635 has 3 MA's), (4, 45650), (7, 45728), (8, 45734), (9, 45761), (Start: 11 @45791 has 1 MA's), (20, 45842), (22, 45863), (26, 45887), (28, 45920), (31, 45950), (33, 45986), (34, 46016),

Gene: Jamzy_70 Start: 45365, Stop: 45790, Start Num: 2
Candidate Starts for Jamzy_70:
(1, 45266), (Start: 2 @45365 has 3 MA's), (4, 45380), (7, 45458), (8, 45464), (9, 45491), (Start: 11 @45521 has 1 MA's), (20, 45572), (22, 45593), (26, 45617), (28, 45650), (31, 45680), (33, 45716), (34, 45746),

Gene: Margaret_71 Start: 45205, Stop: 45600, Start Num: 11
Candidate Starts for Margaret_71:
(Start: 2 @45046 has 3 MA's), (Start: 3 @45055 has 1 MA's), (5, 45076), (6, 45082), (7, 45142), (8, 45148), (10, 45196), (Start: 11 @45205 has 1 MA's), (13, 45232), (14, 45241), (16, 45256), (17, 45307), (18, 45316), (24, 45373), (27, 45400), (28, 45439), (29, 45454), (30, 45469), (31, 45484), (32, 45514), (33, 45520), (34, 45550), (35, 45583),

Gene: RanchParmCat_70 Start: 45347, Stop: 45892, Start Num: 3
Candidate Starts for RanchParmCat_70:
(Start: 2 @45338 has 3 MA's), (Start: 3 @45347 has 1 MA's), (5, 45368), (6, 45374), (7, 45434), (8, 45440), (Start: 11 @45497 has 1 MA's), (13, 45524), (14, 45533), (16, 45548), (17, 45599), (18, 45608), (24, 45665), (27, 45692), (28, 45731), (29, 45746), (30, 45761), (31, 45776), (32, 45806), (33, 45812), (34, 45842), (35, 45875),