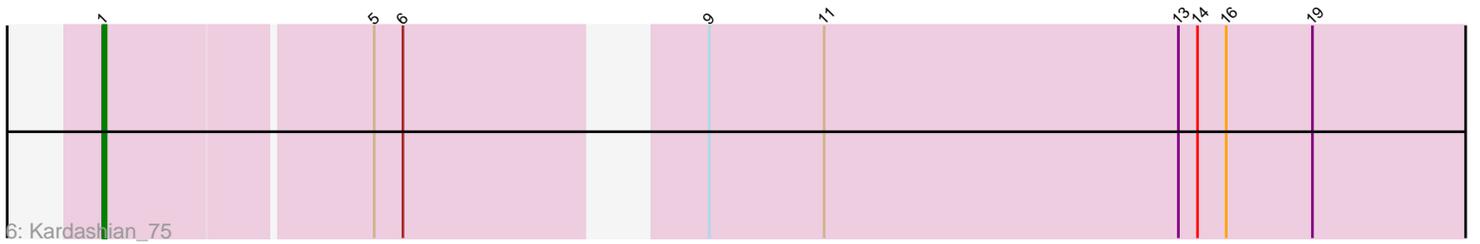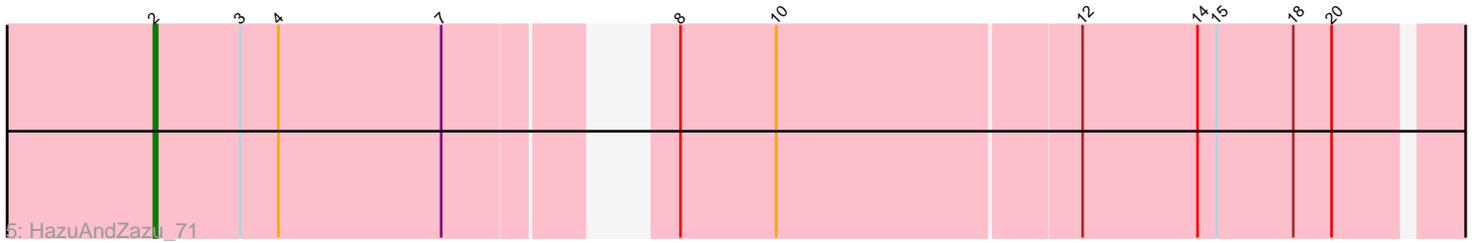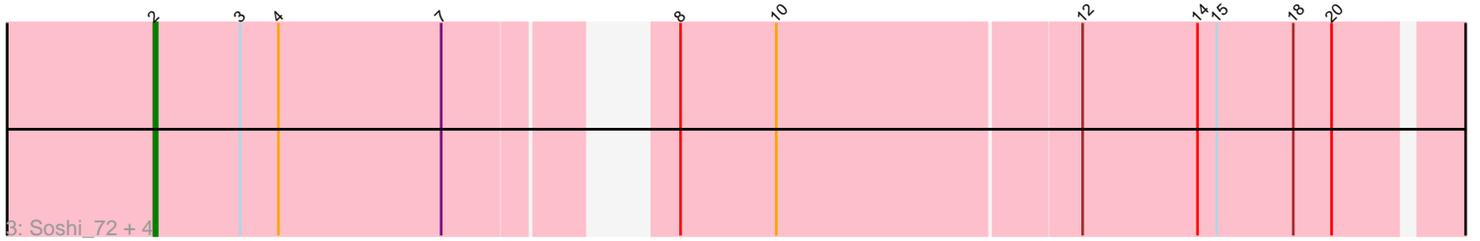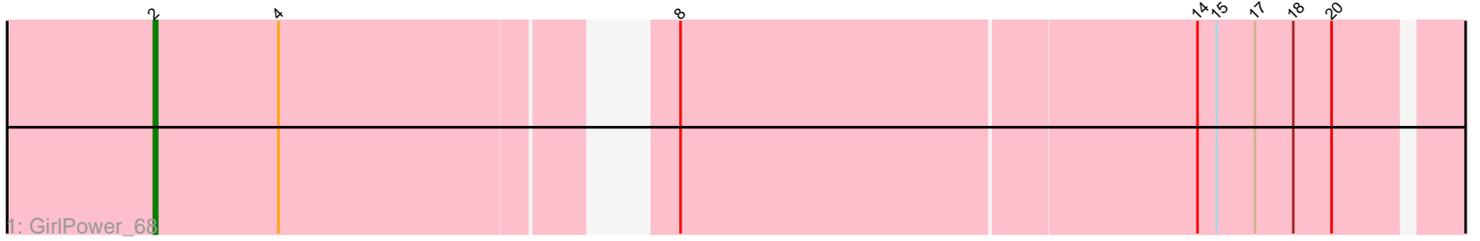# Pham 291693

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 291693 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291693 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GirlPower_68
• Track 2 : Rima_76, Namo_77, IceWarrior_75
• Track 3 : Soshi_72, DrGrey_69, FrodoSwaggins_71, Espio_73, Popy_71
• Track 4 : Wigberry_79
• Track 5 : HazuAndZazu_71
• Track 6 : Kardashian_75

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 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DrGrey_69, Espio_73, FrodoSwaggins_71, GirlPower_68, HazuAndZazu_71, IceWarrior_75, Namo_77, Popy_71, Rima_76, Soshi_72, Wigberry_79,

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

Genes that do not have the "Most Annotated" start:
• Kardashian_75,

Summary by start number:

Start 1:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kardashian_75 (BI6),

Start 2:
• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: DrGrey_69 (BI1), Espio_73 (BI1), FrodoSwaggins_71 (BI1), GirlPower_68 (BI1), HazuAndZazu_71 (BI1), IceWarrior_75 (BI1), Namo_77 (BI1), Popy_71 (BI1), Rima_76 (BI1), Soshi_72 (BI1), Wigberry_79 (BI1),

Summary by clusters:

There are 2 clusters represented in this pham: BI6, BI1,

Info for manual annotations of cluster BI1:
•Start number 2 was manually annotated 9 times for cluster BI1.

Info for manual annotations of cluster BI6:
•Start number 1 was manually annotated 1 time for cluster BI6.

Gene Information:

Gene: DrGrey_69 Start: 46443, Stop: 46874, Start Num: 2
Candidate Starts for DrGrey_69:
(Start: 2 @46443 has 9 MA's), (3, 46470), (4, 46482), (7, 46533), (8, 46584), (10, 46614), (12, 46707), (14, 46743), (15, 46749), (18, 46773), (20, 46785),

Gene: Espio_73 Start: 46838, Stop: 47269, Start Num: 2
Candidate Starts for Espio_73:
(Start: 2 @46838 has 9 MA's), (3, 46865), (4, 46877), (7, 46928), (8, 46979), (10, 47009), (12, 47102), (14, 47138), (15, 47144), (18, 47168), (20, 47180),

Gene: FrodoSwaggins_71 Start: 46837, Stop: 47268, Start Num: 2
Candidate Starts for FrodoSwaggins_71:
(Start: 2 @46837 has 9 MA's), (3, 46864), (4, 46876), (7, 46927), (8, 46978), (10, 47008), (12, 47101), (14, 47137), (15, 47143), (18, 47167), (20, 47179),

Gene: GirlPower_68 Start: 46386, Stop: 46817, Start Num: 2
Candidate Starts for GirlPower_68:
(Start: 2 @46386 has 9 MA's), (4, 46425), (8, 46527), (14, 46686), (15, 46692), (17, 46704), (18, 46716), (20, 46728),

Gene: HazuAndZazu_71 Start: 46504, Stop: 46935, Start Num: 2
Candidate Starts for HazuAndZazu_71:
(Start: 2 @46504 has 9 MA's), (3, 46531), (4, 46543), (7, 46594), (8, 46645), (10, 46675), (12, 46768), (14, 46804), (15, 46810), (18, 46834), (20, 46846),

Gene: IceWarrior_75 Start: 46335, Stop: 46766, Start Num: 2
Candidate Starts for IceWarrior_75:
(Start: 2 @46335 has 9 MA's), (3, 46362), (4, 46374), (7, 46425), (8, 46476), (12, 46599), (14, 46635), (15, 46641), (18, 46665), (20, 46677),

Gene: Kardashian_75 Start: 48276, Stop: 48716, Start Num: 1
Candidate Starts for Kardashian_75:
(Start: 1 @48276 has 1 MA's), (5, 48357), (6, 48366), (9, 48441), (11, 48477), (13, 48588), (14, 48594), (16, 48603), (19, 48630),

Gene: Namo_77 Start: 46997, Stop: 47428, Start Num: 2
Candidate Starts for Namo_77:
(Start: 2 @46997 has 9 MA's), (3, 47024), (4, 47036), (7, 47087), (8, 47138), (12, 47261), (14, 47297), (15, 47303), (18, 47327), (20, 47339),

Gene: Popy_71 Start: 46837, Stop: 47268, Start Num: 2
Candidate Starts for Popy_71:
(Start: 2 @46837 has 9 MA's), (3, 46864), (4, 46876), (7, 46927), (8, 46978), (10, 47008), (12, 47101), (14, 47137), (15, 47143), (18, 47167), (20, 47179),

Gene: Rima_76 Start: 46997, Stop: 47428, Start Num: 2
Candidate Starts for Rima_76:
(Start: 2 @46997 has 9 MA's), (3, 47024), (4, 47036), (7, 47087), (8, 47138), (12, 47261), (14, 47297), (15, 47303), (18, 47327), (20, 47339),

Gene: Soshi_72 Start: 46702, Stop: 47133, Start Num: 2
Candidate Starts for Soshi_72:
(Start: 2 @46702 has 9 MA's), (3, 46729), (4, 46741), (7, 46792), (8, 46843), (10, 46873), (12, 46966), (14, 47002), (15, 47008), (18, 47032), (20, 47044),

Gene: Wigberry_79 Start: 47020, Stop: 47457, Start Num: 2
Candidate Starts for Wigberry_79:
(Start: 2 @47020 has 9 MA's), (18, 47356), (19, 47362), (21, 47380),