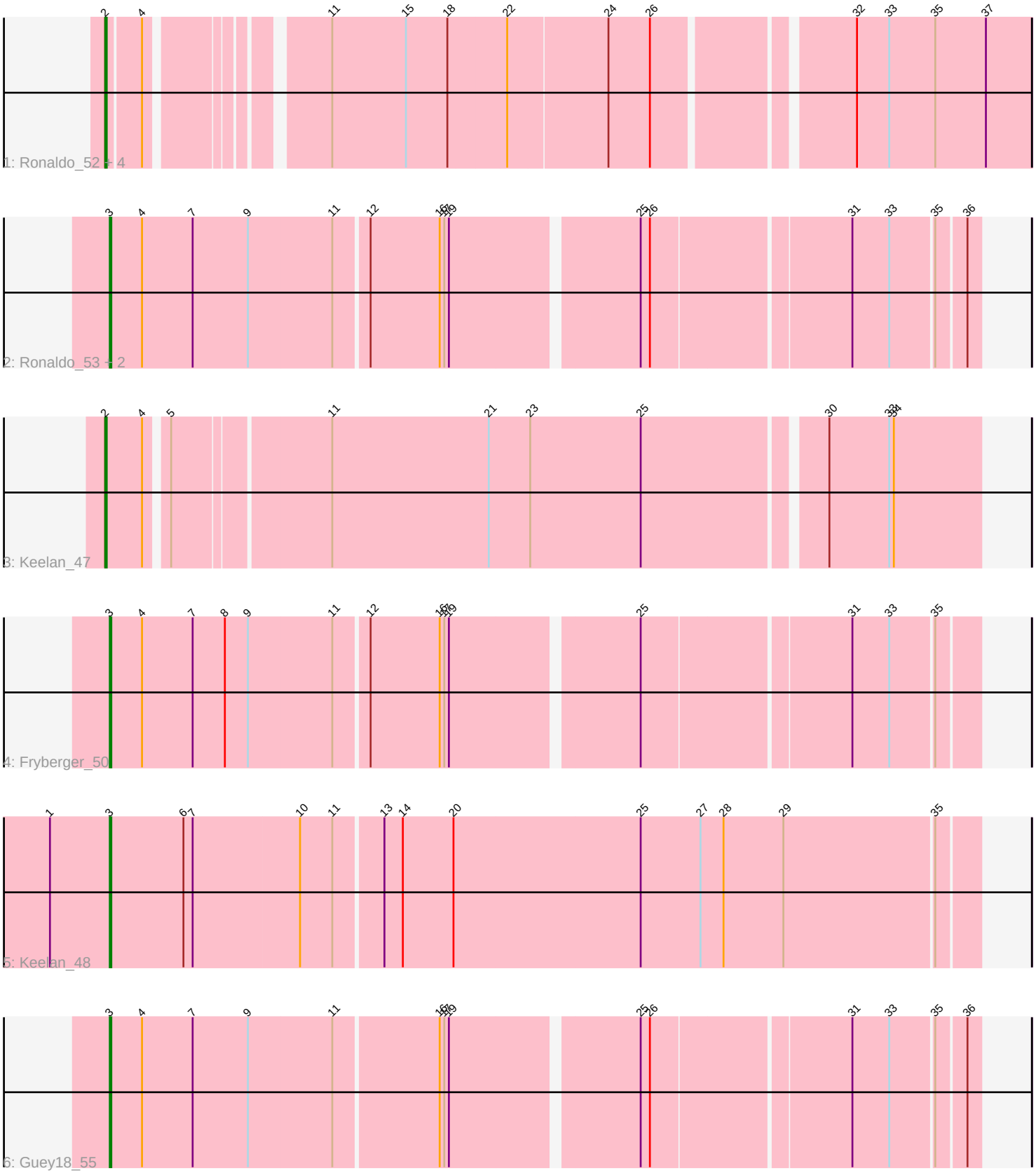
Pham 27871


1: Ronaldo_52 + 4
2: Ronaldo_53 + 2
3: Keelan_47
4: Fryberger_50
5: Keelan_48
6: Guey18_55

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 27871 Report

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

Pham number 27871 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ronaldo_52, Ziko_52, Volt_51, Guey18_54, Fryberger_49
• Track 2 : Ronaldo_53, Ziko_53, Volt_52
• Track 3 : Keelan_47
• Track 4 : Fryberger_50
• Track 5 : Keelan_48
• Track 6 : Guey18_55

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_50, Guey18_55, Keelan_48, Ronaldo_53, Volt_52, Ziko_53,

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

Genes that do not have the "Most Annotated" start:
• Fryberger_49, Guey18_54, Keelan_47, Ronaldo_52, Volt_51, Ziko_52,

Summary by start number:

Start 2:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_49 (DP), Guey18_54 (DP), Keelan_47 (DP), Ronaldo_52 (DP), Volt_51 (DP), Ziko_52 (DP),

Start 3:
• Found in 6 of 12 (50.0%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Fryberger_50 (DP), Guey18_55 (DP), Keelan_48 (DP), Ronaldo_53 (DP), Volt_52 (DP), Ziko_53 (DP),

Summary by clusters:

There is one cluster represented in this pham: DP

Info for manual annotations of cluster DP:
•Start number 2 was manually annotated 6 times for cluster DP.
•Start number 3 was manually annotated 6 times for cluster DP.

Gene Information:

Gene: Fryberger_50 Start: 21318, Stop: 20782, Start Num: 3
Candidate Starts for Fryberger_50:
(Start: 3 @21318 has 6 MA's), (4, 21297), (7, 21264), (8, 21243), (9, 21228), (11, 21174), (12, 21153), (16, 21108), (17, 21105), (19, 21102), (25, 20988), (31, 20859), (33, 20835), (35, 20808),

Gene: Fryberger_49 Start: 20785, Stop: 20237, Start Num: 2
Candidate Starts for Fryberger_49:
(Start: 2 @20785 has 6 MA's), (4, 20764), (11, 20668), (15, 20620), (18, 20593), (22, 20557), (24, 20494), (26, 20467), (32, 20350), (33, 20329), (35, 20299), (37, 20266),

Gene: Guey18_55 Start: 22511, Stop: 21975, Start Num: 3
Candidate Starts for Guey18_55:
(Start: 3 @22511 has 6 MA's), (4, 22490), (7, 22457), (9, 22421), (11, 22367), (16, 22301), (17, 22298), (19, 22295), (25, 22181), (26, 22175), (31, 22052), (33, 22028), (35, 22001), (36, 21983),

Gene: Guey18_54 Start: 21978, Stop: 21430, Start Num: 2
Candidate Starts for Guey18_54:
(Start: 2 @21978 has 6 MA's), (4, 21957), (11, 21861), (15, 21813), (18, 21786), (22, 21750), (24, 21687), (26, 21660), (32, 21543), (33, 21522), (35, 21492), (37, 21459),

Gene: Keelan_47 Start: 20769, Stop: 20227, Start Num: 2
Candidate Starts for Keelan_47:
(Start: 2 @20769 has 6 MA's), (4, 20745), (5, 20733), (11, 20637), (21, 20535), (23, 20508), (25, 20436), (30, 20325), (33, 20286), (34, 20283),

Gene: Keelan_48 Start: 21320, Stop: 20766, Start Num: 3
Candidate Starts for Keelan_48:
(1, 21359), (Start: 3 @21320 has 6 MA's), (6, 21272), (7, 21266), (10, 21197), (11, 21176), (13, 21146), (14, 21134), (20, 21101), (25, 20981), (27, 20942), (28, 20927), (29, 20888), (35, 20792),

Gene: Ronaldo_52 Start: 21743, Stop: 21195, Start Num: 2
Candidate Starts for Ronaldo_52:
(Start: 2 @21743 has 6 MA's), (4, 21722), (11, 21626), (15, 21578), (18, 21551), (22, 21515), (24, 21452), (26, 21425), (32, 21308), (33, 21287), (35, 21257), (37, 21224),

Gene: Ronaldo_53 Start: 22276, Stop: 21740, Start Num: 3
Candidate Starts for Ronaldo_53:

(Start: 3 @22276 has 6 MA's), (4, 22255), (7, 22222), (9, 22186), (11, 22132), (12, 22111), (16, 22066), (17, 22063), (19, 22060), (25, 21946), (26, 21940), (31, 21817), (33, 21793), (35, 21766), (36, 21748),

Gene: Volt_51 Start: 21743, Stop: 21195, Start Num: 2
Candidate Starts for Volt_51:
(Start: 2 @21743 has 6 MA's), (4, 21722), (11, 21626), (15, 21578), (18, 21551), (22, 21515), (24, 21452), (26, 21425), (32, 21308), (33, 21287), (35, 21257), (37, 21224),

Gene: Volt_52 Start: 22276, Stop: 21740, Start Num: 3
Candidate Starts for Volt_52:
(Start: 3 @22276 has 6 MA's), (4, 22255), (7, 22222), (9, 22186), (11, 22132), (12, 22111), (16, 22066), (17, 22063), (19, 22060), (25, 21946), (26, 21940), (31, 21817), (33, 21793), (35, 21766), (36, 21748),

Gene: Ziko_53 Start: 22216, Stop: 21680, Start Num: 3
Candidate Starts for Ziko_53:
(Start: 3 @22216 has 6 MA's), (4, 22195), (7, 22162), (9, 22126), (11, 22072), (12, 22051), (16, 22006), (17, 22003), (19, 22000), (25, 21886), (26, 21880), (31, 21757), (33, 21733), (35, 21706), (36, 21688),

Gene: Ziko_52 Start: 21683, Stop: 21135, Start Num: 2
Candidate Starts for Ziko_52:
(Start: 2 @21683 has 6 MA's), (4, 21662), (11, 21566), (15, 21518), (18, 21491), (22, 21455), (24, 21392), (26, 21365), (32, 21248), (33, 21227), (35, 21197), (37, 21164),