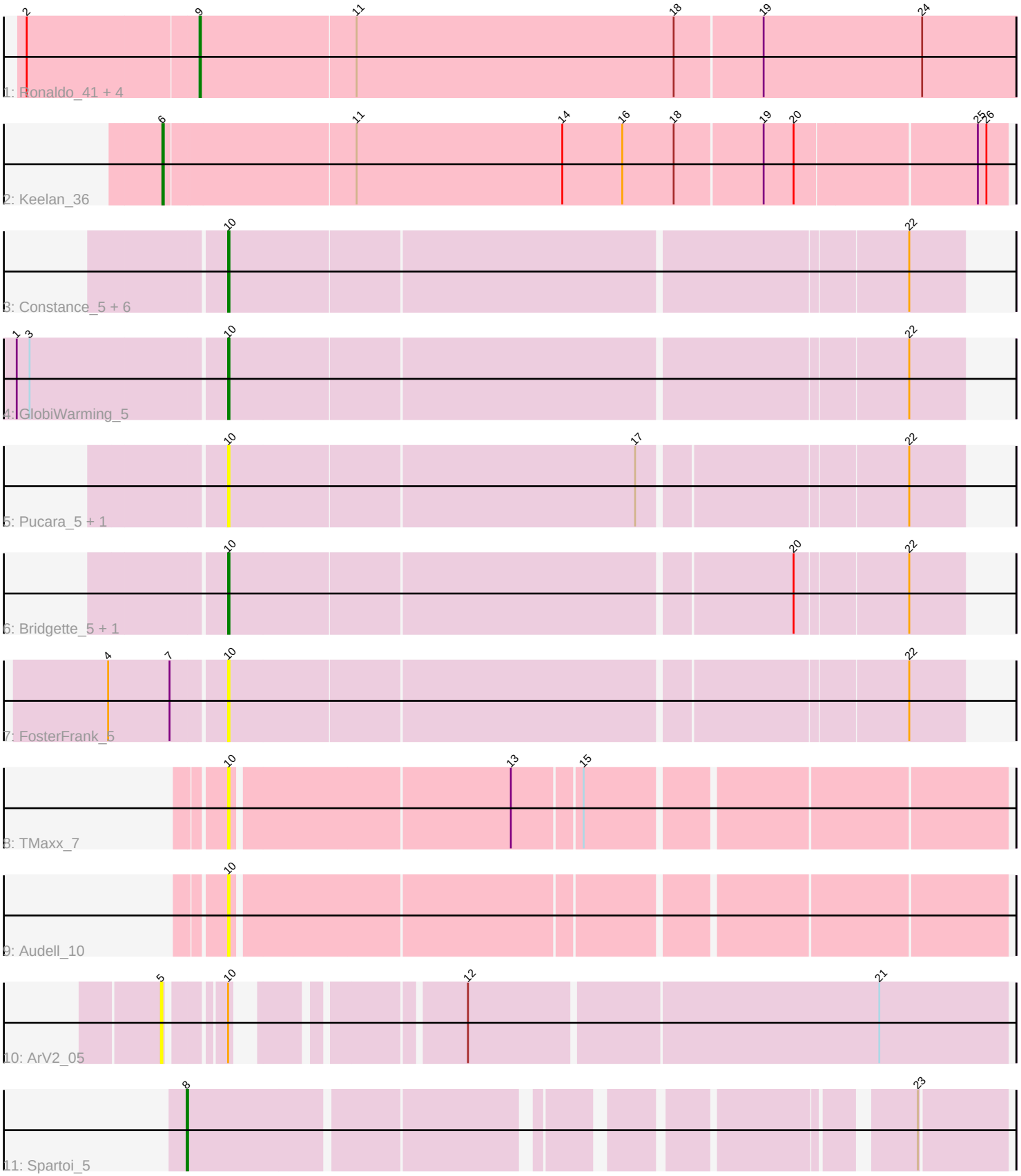
Pham 224865


2
9
11
18
19
24
1: Ronaldo_41 + 4
6
11
14
16
18
19
20
25
26
2: Keelan_36
10
22
3: Constance_5 + 6
1
3
10
22
4: GlobiWarming_5
10
17
22
5: Pucara_5 + 1
10
20
22
6: Bridgette_5 + 1
4
7
10
22
7: FosterFrank_5
10
13
15
8: TMaxx_7
10
9: Audell_10
5
10
12
21
10: ArV2_05
8
23
11: Spartoi_5

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 224865 Report

This analysis was run 03/28/25 on database version 593.

Pham number 224865 has 23 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Ronaldo_41, Volt_40, Ziko_41, Fryberger_38, Guey18_43
• Track 2 : Keelan_36
• Track 3 : Constance_5, ChuckDuck_5, PeggyLeg03_5, Judy_5, Eileen_5, Peas_5, KayMoney_5
• Track 4 : GlobiWarming_5
• Track 5 : Pucara_5, HotPotato_5
• Track 6 : Bridgette_5, Karkharias_5
• Track 7 : FosterFrank_5
• Track 8 : TMaxx_7
• Track 9 : Audell_10
• Track 10 : ArV2_05
• Track 11 : Spartoi_5

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

The start number called the most often in the published annotations is 10, it was called in 9 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Audell_10, Bridgette_5, ChuckDuck_5, Constance_5, Eileen_5, FosterFrank_5, GlobiWarming_5, HotPotato_5, Judy_5, Karkharias_5, KayMoney_5, Peas_5, PeggyLeg03_5, Pucara_5, TMaxx_7,

Genes that have the "Most Annotated" start but do not call it:
• ArV2_05,

Genes that do not have the "Most Annotated" start:
• Fryberger_38, Guey18_43, Keelan_36, Ronaldo_41, Spartoi_5, Volt_40, Ziko_41,

Summary by start number:

Start 5:
• Found in 1 of 23 (4.3%) of genes in pham
• No Manual Annotations of this start.

• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArV2_05 (singleton),

Start 6:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_36 (DP),

Start 8:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spartoi_5 (singleton),

Start 9:
• Found in 5 of 23 (21.7%) of genes in pham
• Manual Annotations of this start: 5 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_38 (DP), Guey18_43 (DP), Ronaldo_41 (DP), Volt_40 (DP), Ziko_41 (DP),

Start 10:
• Found in 16 of 23 (69.6%) of genes in pham
• Manual Annotations of this start: 9 of 16
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Audell_10 (FR), Bridgette_5 (FA), ChuckDuck_5 (FA), Constance_5 (FA), Eileen_5 (FA), FosterFrank_5 (FA), GlobiWarming_5 (FA), HotPotato_5 (FA), Judy_5 (FA), Karkharias_5 (FA), KayMoney_5 (FA), Peas_5 (FA), PeggyLeg03_5 (FA), Pucara_5 (FA), TMaxx_7 (FR),

Summary by clusters:

There are 4 clusters represented in this pham: FA, singleton, FR, DP,

Info for manual annotations of cluster DP:
•Start number 6 was manually annotated 1 time for cluster DP.
•Start number 9 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster FA:
•Start number 10 was manually annotated 9 times for cluster FA.

Gene Information:

Gene: ArV2_05 Start: 4203, Stop: 4730, Start Num: 5
Candidate Starts for ArV2_05:
(5, 4203), (Start: 10 @4236 has 9 MA's), (12, 4362), (21, 4641),

Gene: Audell_10 Start: 8386, Stop: 8895, Start Num: 10
Candidate Starts for Audell_10:

(Start: 10 @8386 has 9 MA's),

Gene: Bridgette_5 Start: 5076, Stop: 5570, Start Num: 10
Candidate Starts for Bridgette_5:
(Start: 10 @5076 has 9 MA's), (20, 5457), (22, 5532),

Gene: ChuckDuck_5 Start: 5037, Stop: 5531, Start Num: 10
Candidate Starts for ChuckDuck_5:
(Start: 10 @5037 has 9 MA's), (22, 5493),

Gene: Constance_5 Start: 5077, Stop: 5574, Start Num: 10
Candidate Starts for Constance_5:
(Start: 10 @5077 has 9 MA's), (22, 5536),

Gene: Eileen_5 Start: 5037, Stop: 5534, Start Num: 10
Candidate Starts for Eileen_5:
(Start: 10 @5037 has 9 MA's), (22, 5496),

Gene: FosterFrank_5 Start: 5039, Stop: 5533, Start Num: 10
Candidate Starts for FosterFrank_5:
(4, 4961), (7, 5003), (Start: 10 @5039 has 9 MA's), (22, 5495),

Gene: Fryberger_38 Start: 13725, Stop: 14291, Start Num: 9
Candidate Starts for Fryberger_38:
(2, 13608), (Start: 9 @13725 has 5 MA's), (11, 13833), (18, 14055), (19, 14115), (24, 14226),

Gene: GlobiWarming_5 Start: 5032, Stop: 5529, Start Num: 10
Candidate Starts for GlobiWarming_5:
(1, 4891), (3, 4900), (Start: 10 @5032 has 9 MA's), (22, 5491),

Gene: Guey18_43 Start: 14918, Stop: 15484, Start Num: 9
Candidate Starts for Guey18_43:
(2, 14801), (Start: 9 @14918 has 5 MA's), (11, 15026), (18, 15248), (19, 15308), (24, 15419),

Gene: HotPotato_5 Start: 5037, Stop: 5534, Start Num: 10
Candidate Starts for HotPotato_5:
(Start: 10 @5037 has 9 MA's), (17, 5316), (22, 5496),

Gene: Judy_5 Start: 5076, Stop: 5573, Start Num: 10
Candidate Starts for Judy_5:
(Start: 10 @5076 has 9 MA's), (22, 5535),

Gene: Karkharias_5 Start: 5037, Stop: 5531, Start Num: 10
Candidate Starts for Karkharias_5:
(Start: 10 @5037 has 9 MA's), (20, 5418), (22, 5493),

Gene: KayMoney_5 Start: 5037, Stop: 5531, Start Num: 10
Candidate Starts for KayMoney_5:
(Start: 10 @5037 has 9 MA's), (22, 5493),

Gene: Keelan_36 Start: 13692, Stop: 14267, Start Num: 6
Candidate Starts for Keelan_36:

(Start: 6 @13692 has 1 MA's), (11, 13821), (14, 13965), (16, 14007), (18, 14043), (19, 14103), (20, 14124), (25, 14247), (26, 14253),

Gene: Peas_5 Start: 5037, Stop: 5534, Start Num: 10
Candidate Starts for Peas_5:
(Start: 10 @5037 has 9 MA's), (22, 5496),

Gene: PeggyLeg03_5 Start: 5077, Stop: 5574, Start Num: 10
Candidate Starts for PeggyLeg03_5:
(Start: 10 @5077 has 9 MA's), (22, 5536),

Gene: Pucara_5 Start: 5039, Stop: 5533, Start Num: 10
Candidate Starts for Pucara_5:
(Start: 10 @5039 has 9 MA's), (17, 5318), (22, 5495),

Gene: Ronaldo_41 Start: 14655, Stop: 15221, Start Num: 9
Candidate Starts for Ronaldo_41:
(2, 14538), (Start: 9 @14655 has 5 MA's), (11, 14763), (18, 14985), (19, 15045), (24, 15156),

Gene: Spartoi_5 Start: 4178, Stop: 4681, Start Num: 8
Candidate Starts for Spartoi_5:
(Start: 8 @4178 has 1 MA's), (23, 4622),

Gene: TMaxx_7 Start: 4931, Stop: 5440, Start Num: 10
Candidate Starts for TMaxx_7:
(Start: 10 @4931 has 9 MA's), (13, 5117), (15, 5162),

Gene: Volt_40 Start: 14655, Stop: 15221, Start Num: 9
Candidate Starts for Volt_40:
(2, 14538), (Start: 9 @14655 has 5 MA's), (11, 14763), (18, 14985), (19, 15045), (24, 15156),

Gene: Ziko_41 Start: 14595, Stop: 15161, Start Num: 9
Candidate Starts for Ziko_41:
(2, 14478), (Start: 9 @14595 has 5 MA's), (11, 14703), (18, 14925), (19, 14985), (24, 15096),