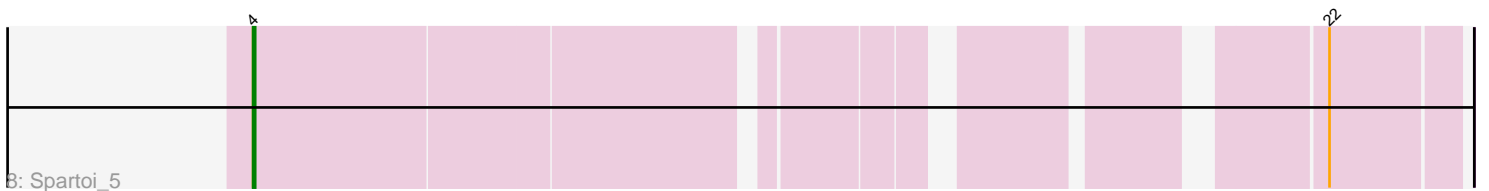
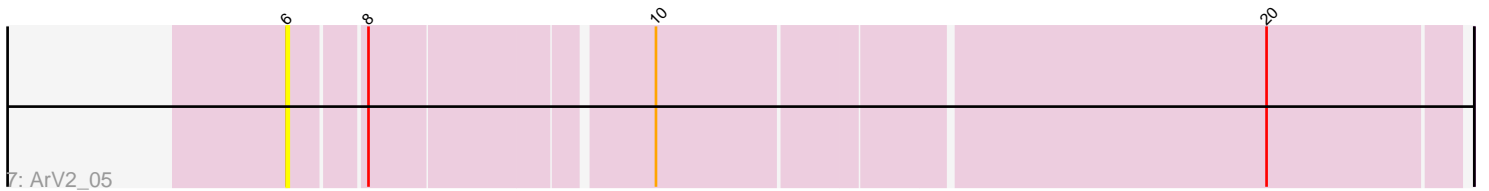
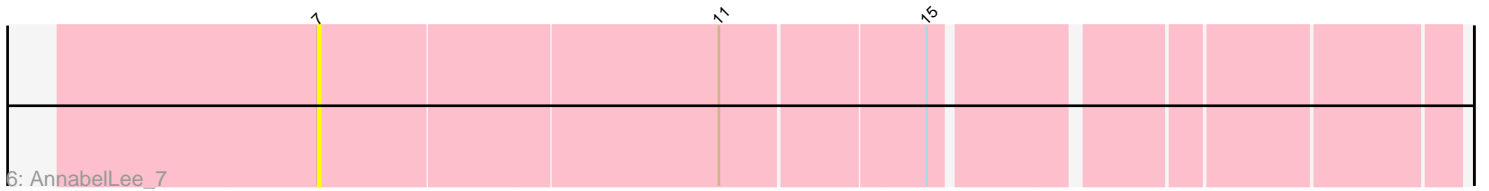
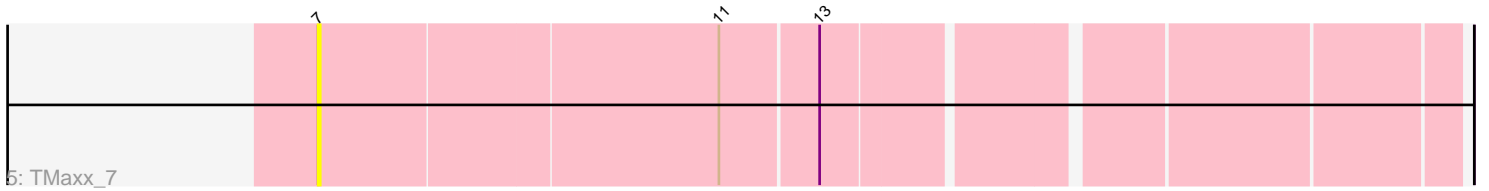
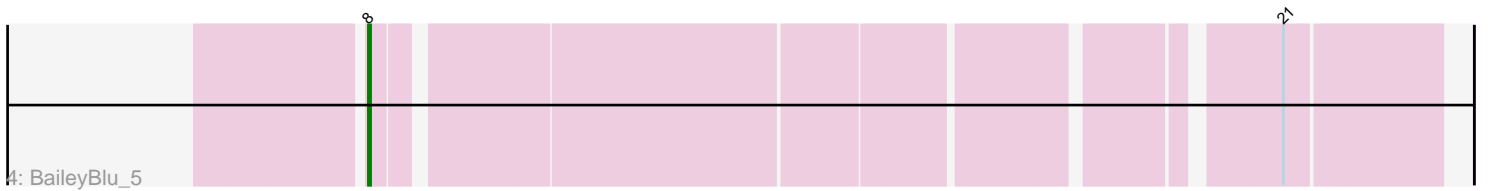
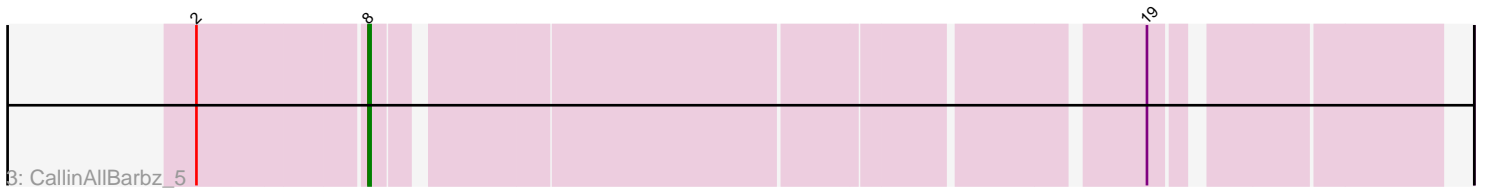
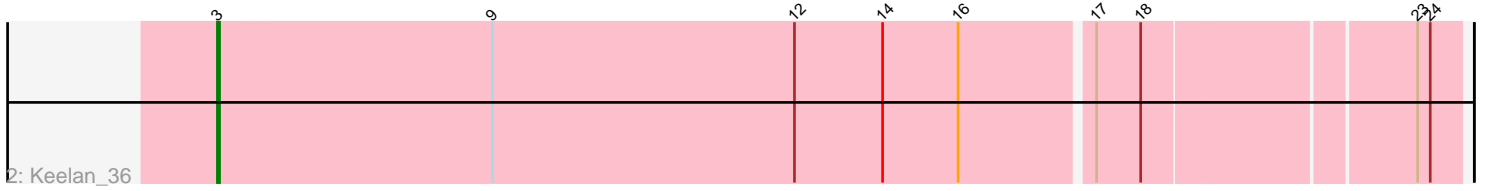
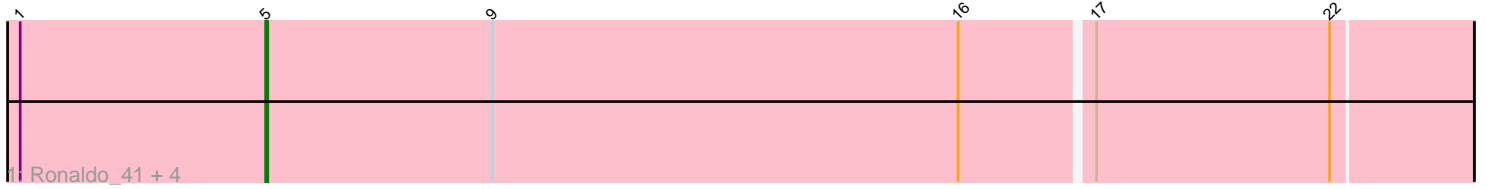


Pham 194502



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 194502 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194502 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ronaldo_41, Fryberger_38, Volt_40, Ziko_41, Guey18_43
- Track 2 : Keelan_36
- Track 3 : CallinAllBarbz_5
- Track 4 : BaileyBlu_5
- Track 5 : TMaxx_7
- Track 6 : AnnabelLee_7
- Track 7 : ArV2_05
- Track 8 : 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 5, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Fryberger_38, Guey18_43, Ronaldo_41, Volt_40, Ziko_41,

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

-

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

- AnnabelLee_7, ArV2_05, BaileyBlu_5, CallinAllBarbz_5, Keelan_36, Spartoi_5, TMaxx_7,

Summary by start number:

Start 3:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Keelan_36 (DP),

Start 4:

- Found in 1 of 12 (8.3%) of genes in pham

- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Spartoi_5 (singleton),

Start 5:

- Found in 5 of 12 (41.7%) of genes in pham
- Manual Annotations of this start: 5 of 9
- 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 6:

- Found in 1 of 12 (8.3%) 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 7:

- Found in 2 of 12 (16.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnnabelLee_7 (FR), TMaxx_7 (FR),

Start 8:

- Found in 3 of 12 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 66.7% of time when present
- Phage (with cluster) where this start called: BaileyBlu_5 (FP), CallinAllBarbz_5 (FP),

Summary by clusters:

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

Info for manual annotations of cluster DP:

- Start number 3 was manually annotated 1 time for cluster DP.
- Start number 5 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster FP:

- Start number 8 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: AnnabelLee_7 Start: 4967, Stop: 5473, Start Num: 7

Candidate Starts for AnnabelLee_7:

(7, 4967), (11, 5153), (15, 5246),

Gene: ArV2_05 Start: 4203, Stop: 4730, Start Num: 6

Candidate Starts for ArV2_05:

(6, 4203), (Start: 8 @4236 has 2 MA's), (10, 4362), (20, 4641),

Gene: BaileyBlu_5 Start: 4160, Stop: 4618, Start Num: 8

Candidate Starts for BaileyBlu_5:

(Start: 8 @4160 has 2 MA's), (21, 4547),

Gene: CallinAllBarbz_5 Start: 4163, Stop: 4621, Start Num: 8

Candidate Starts for CallinAllBarbz_5:

(2, 4088), (Start: 8 @4163 has 2 MA's), (19, 4499),

Gene: Fryberger_38 Start: 13725, Stop: 14291, Start Num: 5

Candidate Starts for Fryberger_38:

(1, 13608), (Start: 5 @13725 has 5 MA's), (9, 13833), (16, 14055), (17, 14115), (22, 14226),

Gene: Guey18_43 Start: 14918, Stop: 15484, Start Num: 5

Candidate Starts for Guey18_43:

(1, 14801), (Start: 5 @14918 has 5 MA's), (9, 15026), (16, 15248), (17, 15308), (22, 15419),

Gene: Keelan_36 Start: 13692, Stop: 14267, Start Num: 3

Candidate Starts for Keelan_36:

(Start: 3 @13692 has 1 MA's), (9, 13821), (12, 13965), (14, 14007), (16, 14043), (17, 14103), (18, 14124), (23, 14247), (24, 14253),

Gene: Ronaldo_41 Start: 14655, Stop: 15221, Start Num: 5

Candidate Starts for Ronaldo_41:

(1, 14538), (Start: 5 @14655 has 5 MA's), (9, 14763), (16, 14985), (17, 15045), (22, 15156),

Gene: Spartoi_5 Start: 4178, Stop: 4681, Start Num: 4

Candidate Starts for Spartoi_5:

(Start: 4 @4178 has 1 MA's), (22, 4622),

Gene: TMaxx_7 Start: 4931, Stop: 5440, Start Num: 7

Candidate Starts for TMaxx_7:

(7, 4931), (11, 5117), (13, 5162),

Gene: Volt_40 Start: 14655, Stop: 15221, Start Num: 5

Candidate Starts for Volt_40:

(1, 14538), (Start: 5 @14655 has 5 MA's), (9, 14763), (16, 14985), (17, 15045), (22, 15156),

Gene: Ziko_41 Start: 14595, Stop: 15161, Start Num: 5

Candidate Starts for Ziko_41:

(1, 14478), (Start: 5 @14595 has 5 MA's), (9, 14703), (16, 14925), (17, 14985), (22, 15096),