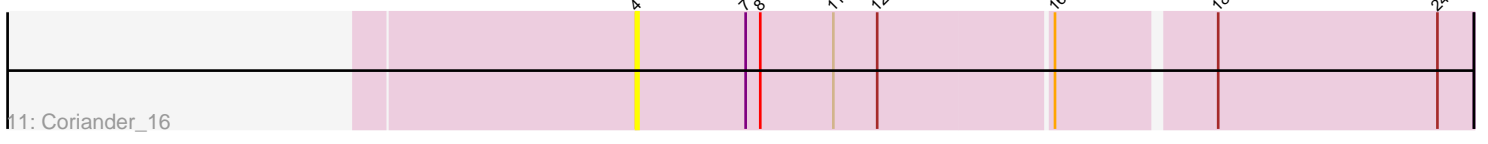
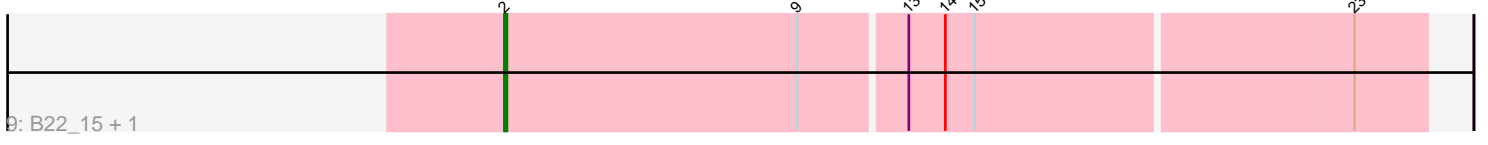
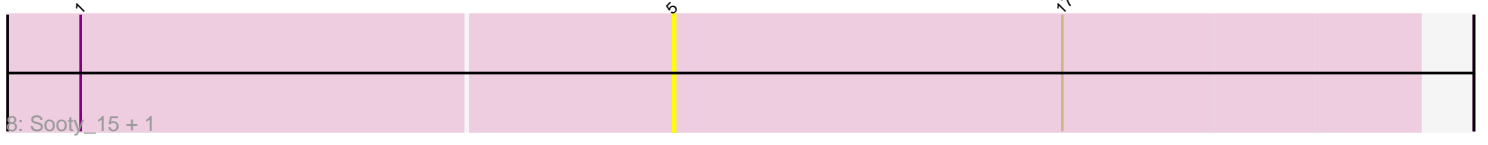
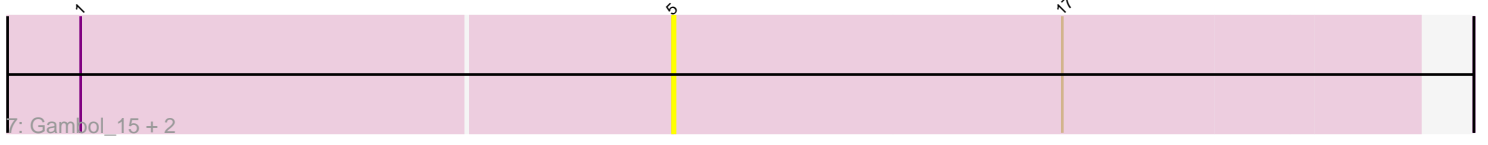
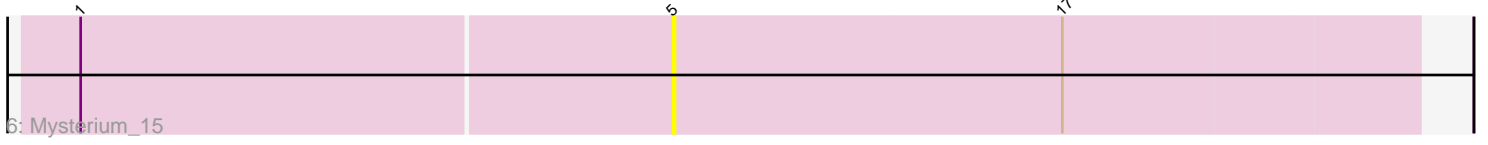
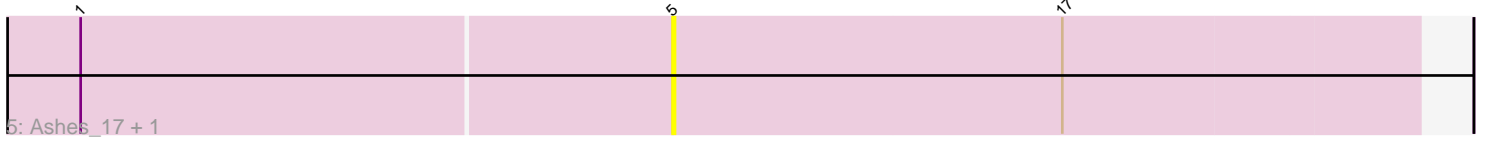
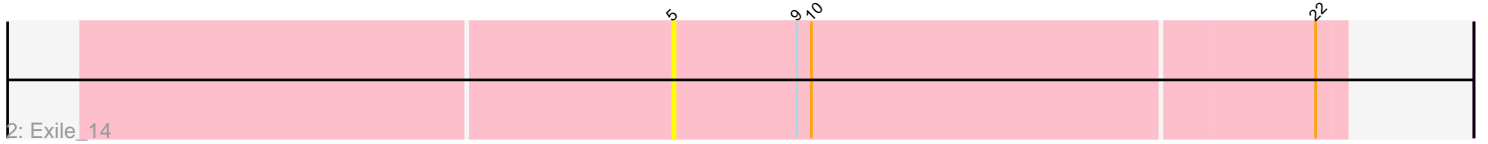
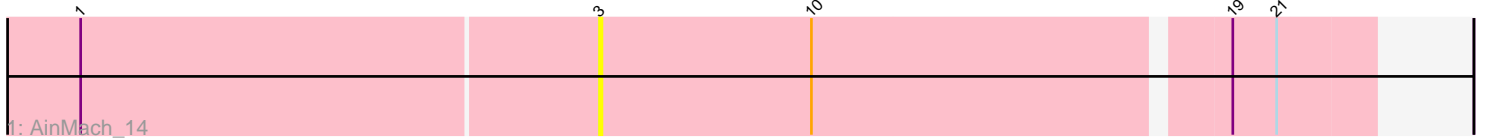


Pham 190163



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 190163 Report

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

Pham number 190163 has 17 members, 14 are drafts.

Phages represented in each track:

- Track 1 : AinMach_14
- Track 2 : Exile_14
- Track 3 : IttyBittyPiggy_15
- Track 4 : ShakeltOph_15, MiniMommy_14
- Track 5 : Ashes_17, SpecialK_17
- Track 6 : Mysterium_15
- Track 7 : Gambol_15, Cappuccino_15, Donkey_15
- Track 8 : Sooty_15, Kalimba_15
- Track 9 : B22_15, G4_15
- Track 10 : Doucette_15
- Track 11 : Coriander_16

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 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- B22_15, Doucette_15, G4_15,

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

-

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

- AinMach_14, Ashes_17, Cappuccino_15, Coriander_16, Donkey_15, Exile_14, Gambol_15, IttyBittyPiggy_15, Kalimba_15, MiniMommy_14, Mysterium_15, ShakeltOph_15, Sooty_15, SpecialK_17,

Summary by start number:

Start 2:

- Found in 3 of 17 (17.6%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present

- Phage (with cluster) where this start called: B22_15 (BW), Doucette_15 (BW), G4_15 (BW),

Start 3:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AinMach_14 (AZ), IttyBittyPiggy_15 (AZ1),

Start 4:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coriander_16 (DB),

Start 5:

- Found in 11 of 17 (64.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes_17 (AZ5), Cappuccino_15 (AZ5), Donkey_15 (AZ5), Exile_14 (AZ), Gambol_15 (AZ5), Kalimba_15 (AZ5), MiniMommy_14 (AZ4), Mysterium_15 (AZ5), ShakeltOph_15 (AZ4), Sooty_15 (AZ5), SpecialK_17 (AZ5),

Summary by clusters:

There are 6 clusters represented in this pham: DB, BW, AZ1, AZ, AZ4, AZ5,

Info for manual annotations of cluster BW:

- Start number 2 was manually annotated 3 times for cluster BW.

Gene Information:

Gene: AinMach_14 Start: 9534, Stop: 9839, Start Num: 3

Candidate Starts for AinMach_14:

(1, 9324), (3, 9534), (10, 9621), (19, 9783), (21, 9801),

Gene: Ashes_17 Start: 10003, Stop: 10305, Start Num: 5

Candidate Starts for Ashes_17:

(1, 9763), (5, 10003), (17, 10162),

Gene: B22_15 Start: 9378, Stop: 9746, Start Num: 2

Candidate Starts for B22_15:

(Start: 2 @9378 has 3 MA's), (9, 9498), (13, 9540), (14, 9555), (15, 9567), (23, 9717),

Gene: Cappuccino_15 Start: 9908, Stop: 10210, Start Num: 5

Candidate Starts for Cappuccino_15:

(1, 9668), (5, 9908), (17, 10067),

Gene: Coriander_16 Start: 10544, Stop: 10876, Start Num: 4

Candidate Starts for Coriander_16:

(4, 10544), (7, 10589), (8, 10595), (11, 10625), (12, 10643), (16, 10712), (18, 10772), (24, 10862),

Gene: Donkey_15 Start: 9908, Stop: 10210, Start Num: 5

Candidate Starts for Donkey_15:

(1, 9668), (5, 9908), (17, 10067),

Gene: Doucette_15 Start: 9437, Stop: 9805, Start Num: 2

Candidate Starts for Doucette_15:

(Start: 2 @9437 has 3 MA's), (6, 9521), (9, 9557), (13, 9599), (14, 9614), (15, 9626), (23, 9776),

Gene: Exile_14 Start: 10360, Stop: 10629, Start Num: 5

Candidate Starts for Exile_14:

(5, 10360), (9, 10411), (10, 10417), (22, 10618),

Gene: G4_15 Start: 9427, Stop: 9795, Start Num: 2

Candidate Starts for G4_15:

(Start: 2 @9427 has 3 MA's), (9, 9547), (13, 9589), (14, 9604), (15, 9616), (23, 9766),

Gene: Gambol_15 Start: 9908, Stop: 10210, Start Num: 5

Candidate Starts for Gambol_15:

(1, 9668), (5, 9908), (17, 10067),

Gene: IttyBittyPiggy_15 Start: 10410, Stop: 10706, Start Num: 3

Candidate Starts for IttyBittyPiggy_15:

(1, 10200), (3, 10410),

Gene: Kalimba_15 Start: 9909, Stop: 10211, Start Num: 5

Candidate Starts for Kalimba_15:

(1, 9669), (5, 9909), (17, 10068),

Gene: MiniMommy_14 Start: 8690, Stop: 8962, Start Num: 5

Candidate Starts for MiniMommy_14:

(5, 8690), (20, 8912),

Gene: Mysterium_15 Start: 10004, Stop: 10306, Start Num: 5

Candidate Starts for Mysterium_15:

(1, 9764), (5, 10004), (17, 10163),

Gene: ShakeltOph_15 Start: 8689, Stop: 8961, Start Num: 5

Candidate Starts for ShakeltOph_15:

(5, 8689), (20, 8911),

Gene: Sooty_15 Start: 9910, Stop: 10212, Start Num: 5

Candidate Starts for Sooty_15:

(1, 9670), (5, 9910), (17, 10069),

Gene: SpecialK_17 Start: 9910, Stop: 10212, Start Num: 5

Candidate Starts for SpecialK_17:
(1, 9670), (5, 9910), (17, 10069),