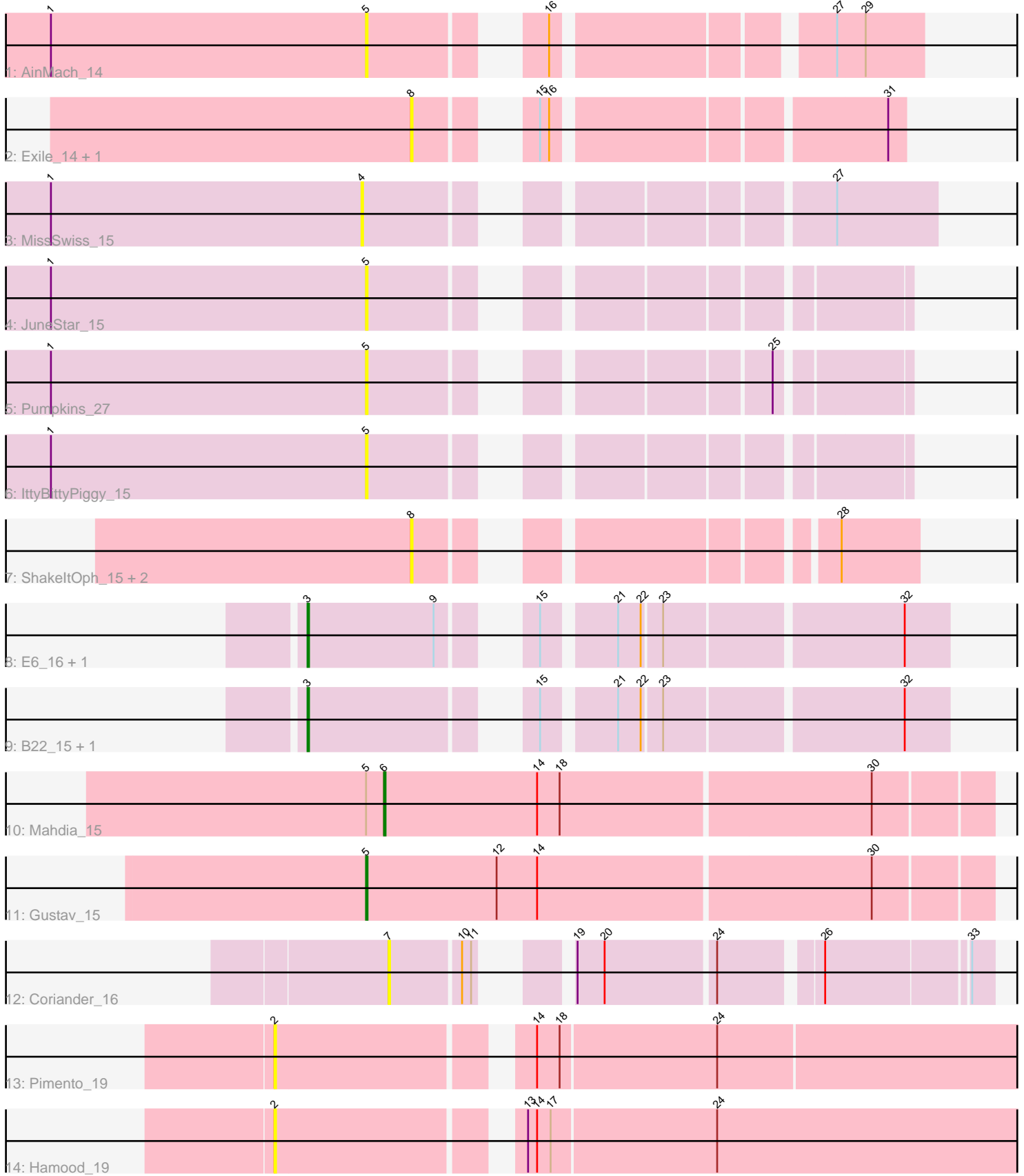


Pham 156697



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 156697 Report

This analysis was run 04/22/24 on database version 561.

Pham number 156697 has 19 members, 13 are drafts.

Phages represented in each track:

- Track 1 : AinMach_14
- Track 2 : Exile_14, Soondubu_14
- Track 3 : MissSwiss_15
- Track 4 : JuneStar_15
- Track 5 : Pumpkins_27
- Track 6 : IttyBittyPiggy_15
- Track 7 : ShakeltOph_15, MiniMommy_14, JasmineDragon_15
- Track 8 : E6_16, Doucette_15
- Track 9 : B22_15, G4_15
- Track 10 : Mahdia_15
- Track 11 : Gustav_15
- Track 12 : Coriander_16
- Track 13 : Pimento_19
- Track 14 : Hamood_19

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- B22_15, Doucette_15, E6_16, 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, Coriander_16, Exile_14, Gustav_15, Hamood_19, IttyBittyPiggy_15, JasmineDragon_15, JuneStar_15, Mahdia_15, MiniMommy_14, MissSwiss_15, Pimento_19, Pumpkins_27, ShakeltOph_15, Soondubu_14,

Summary by start number:

Start 2:

- Found in 2 of 19 (10.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hamood_19 (DI), Pimento_19 (DI),

Start 3:

- Found in 4 of 19 (21.1%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B22_15 (BW), Doucette_15 (BW), E6_16 (BW), G4_15 (BW),

Start 4:

- Found in 1 of 19 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MissSwiss_15 (AZ1),

Start 5:

- Found in 6 of 19 (31.6%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 83.3% of time when present
- Phage (with cluster) where this start called: AinMach_14 (AZ), Gustav_15 (CD), IttyBittyPiggy_15 (AZ1), JuneStar_15 (AZ1), Pumpkins_27 (AZ1),

Start 6:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mahdia_15 (CD),

Start 7:

- Found in 1 of 19 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coriander_16 (DB),

Start 8:

- Found in 5 of 19 (26.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Exile_14 (AZ), JasmineDragon_15 (AZ4), MiniMommy_14 (AZ4), ShakeltOph_15 (AZ4), Soondubu_14 (AZ),

Summary by clusters:

There are 7 clusters represented in this pham: DI, DB, CD, BW, AZ1, AZ, AZ4,

Info for manual annotations of cluster BW:

- Start number 3 was manually annotated 4 times for cluster BW.

Info for manual annotations of cluster CD:

- Start number 5 was manually annotated 1 time for cluster CD.
- Start number 6 was manually annotated 1 time for cluster CD.

Gene Information:

Gene: AinMach_14 Start: 9534, Stop: 9839, Start Num: 5

Candidate Starts for AinMach_14:

(1, 9324), (Start: 5 @9534 has 1 MA's), (16, 9621), (27, 9783), (29, 9801),

Gene: B22_15 Start: 9378, Stop: 9746, Start Num: 3

Candidate Starts for B22_15:

(Start: 3 @9378 has 4 MA's), (15, 9498), (21, 9540), (22, 9555), (23, 9567), (32, 9717),

Gene: Coriander_16 Start: 10544, Stop: 10876, Start Num: 7

Candidate Starts for Coriander_16:

(7, 10544), (10, 10589), (11, 10595), (19, 10625), (20, 10643), (24, 10712), (26, 10772), (33, 10862),

Gene: Doucette_15 Start: 9437, Stop: 9805, Start Num: 3

Candidate Starts for Doucette_15:

(Start: 3 @9437 has 4 MA's), (9, 9521), (15, 9557), (21, 9599), (22, 9614), (23, 9626), (32, 9776),

Gene: E6_16 Start: 9485, Stop: 9853, Start Num: 3

Candidate Starts for E6_16:

(Start: 3 @9485 has 4 MA's), (9, 9569), (15, 9605), (21, 9647), (22, 9662), (23, 9674), (32, 9824),

Gene: Exile_14 Start: 10360, Stop: 10629, Start Num: 8

Candidate Starts for Exile_14:

(8, 10360), (15, 10411), (16, 10417), (31, 10618),

Gene: G4_15 Start: 9427, Stop: 9795, Start Num: 3

Candidate Starts for G4_15:

(Start: 3 @9427 has 4 MA's), (15, 9547), (21, 9589), (22, 9604), (23, 9616), (32, 9766),

Gene: Gustav_15 Start: 9420, Stop: 9824, Start Num: 5

Candidate Starts for Gustav_15:

(Start: 5 @9420 has 1 MA's), (12, 9507), (14, 9534), (30, 9750),

Gene: Hamood_19 Start: 11095, Stop: 11574, Start Num: 2

Candidate Starts for Hamood_19:

(2, 11095), (13, 11239), (14, 11245), (17, 11254), (24, 11362),

Gene: IttyBittyPiggy_15 Start: 10410, Stop: 10706, Start Num: 5

Candidate Starts for IttyBittyPiggy_15:

(1, 10200), (Start: 5 @10410 has 1 MA's),

Gene: JasmineDragon_15 Start: 8689, Stop: 8961, Start Num: 8

Candidate Starts for JasmineDragon_15:

(8, 8689), (28, 8911),

Gene: JuneStar_15 Start: 10511, Stop: 10807, Start Num: 5

Candidate Starts for JuneStar_15:

(1, 10301), (Start: 5 @10511 has 1 MA's),

Gene: Mahdia_15 Start: 9351, Stop: 9743, Start Num: 6

Candidate Starts for Mahdia_15:

(Start: 5 @9339 has 1 MA's), (Start: 6 @9351 has 1 MA's), (14, 9453), (18, 9468), (30, 9669),

Gene: MiniMommy_14 Start: 8690, Stop: 8962, Start Num: 8

Candidate Starts for MiniMommy_14:

(8, 8690), (28, 8912),

Gene: MissSwiss_15 Start: 10396, Stop: 10716, Start Num: 4

Candidate Starts for MissSwiss_15:

(1, 10189), (4, 10396), (27, 10651),

Gene: Pimento_19 Start: 11239, Stop: 11715, Start Num: 2

Candidate Starts for Pimento_19:

(2, 11239), (14, 11389), (18, 11404), (24, 11506),

Gene: Pumpkins_27 Start: 10523, Stop: 10819, Start Num: 5

Candidate Starts for Pumpkins_27:

(1, 10313), (Start: 5 @10523 has 1 MA's), (25, 10739),

Gene: ShakeltOph_15 Start: 8689, Stop: 8961, Start Num: 8

Candidate Starts for ShakeltOph_15:

(8, 8689), (28, 8911),

Gene: Soondubu_14 Start: 10361, Stop: 10639, Start Num: 8

Candidate Starts for Soondubu_14:

(8, 10361), (15, 10412), (16, 10418), (31, 10619),