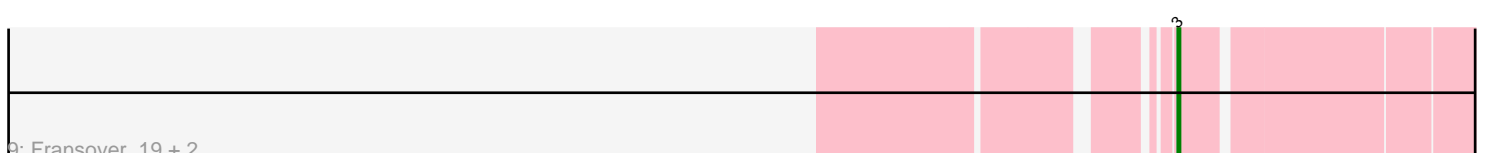
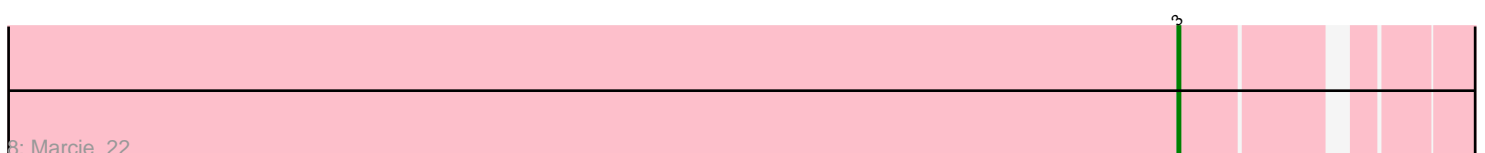
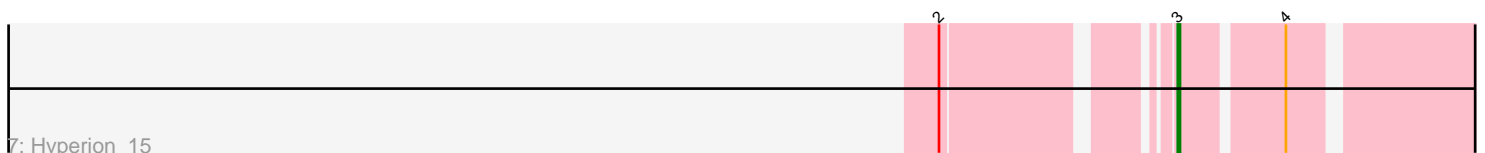
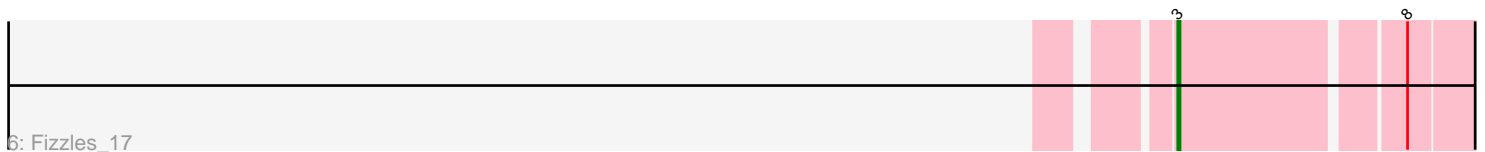
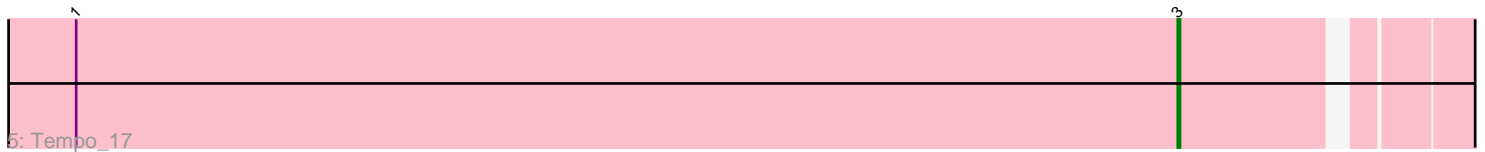
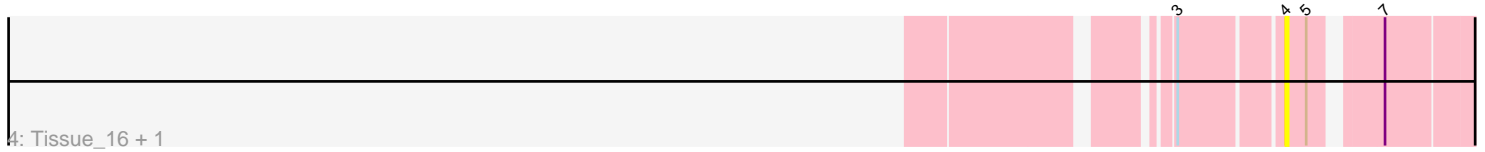
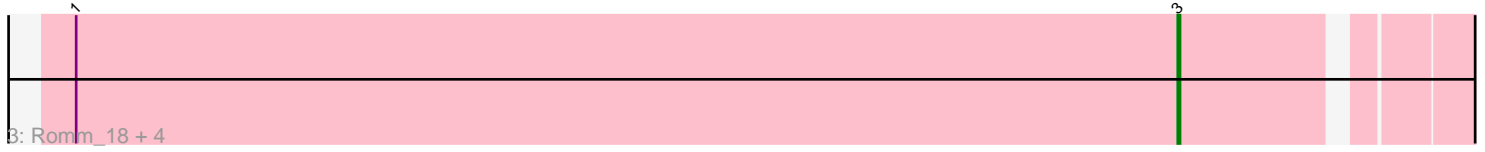
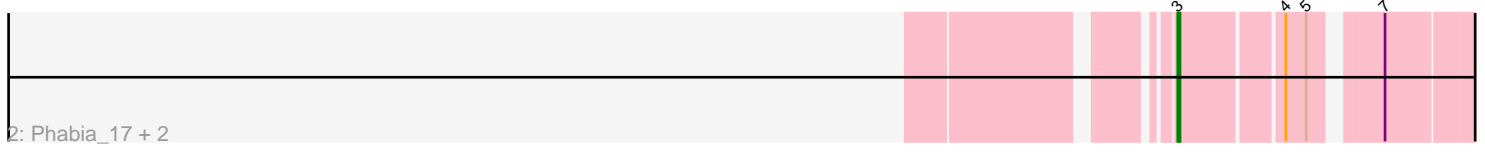
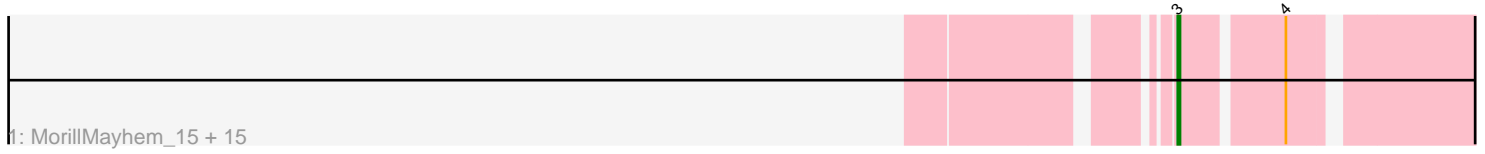


Pham 216366



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 216366 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216366 has 36 members, 8 are drafts.

Phages represented in each track:

- Track 1 : MorillMayhem_15, Lonelysoil_16, Gazebo_16, Viceroy_16, SallyK_18, Mashley_14, Zagie_17, BabyDotz_16, Rudy_15, Quammi_15, Llemily_17, Rowlf_13, Jehoshaphat_19, EverythinBagel_17, StrawberryJamm_19, Sillytadpoles_17
- Track 2 : Phabia_17, Namago_17, Zhafia_20
- Track 3 : Romm_18, Kelcole_16, Fregley_18, RobinRose_18, CandC_16
- Track 4 : Tissue_16, Statler_18
- Track 5 : Tempo_17
- Track 6 : Fizzles_17
- Track 7 : Hyperion_15
- Track 8 : Marcie_22
- Track 9 : Fransoyer_19, RubyRalph_19, SadLad_20
- Track 10 : Squash_19, Judebell_19, Grassboy_18

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyDotz_16, CandC_16, EverythinBagel_17, Fizzles_17, Fransoyer_19, Fregley_18, Gazebo_16, Grassboy_18, Hyperion_15, Jehoshaphat_19, Judebell_19, Kelcole_16, Llemily_17, Lonelysoil_16, Marcie_22, Mashley_14, MorillMayhem_15, Namago_17, Phabia_17, Quammi_15, RobinRose_18, Romm_18, Rowlf_13, RubyRalph_19, Rudy_15, SadLad_20, SallyK_18, Sillytadpoles_17, Squash_19, StrawberryJamm_19, Tempo_17, Viceroy_16, Zagie_17, Zhafia_20,

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

- Statler_18, Tissue_16,

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

-

Summary by start number:

Start 3:

- Found in 36 of 36 (100.0%) of genes in pham
- Manual Annotations of this start: 28 of 28
- Called 94.4% of time when present
- Phage (with cluster) where this start called: BabyDotz_16 (EG), CandC_16 (EG), EverythinBagel_17 (EG), Fizzles_17 (EG), Fransoyer_19 (EG), Fregley_18 (EG), Gazebo_16 (EG), Grassboy_18 (EG), Hyperion_15 (EG), Jehoshaphat_19 (EG), Judebell_19 (EG), Kelcole_16 (EG), Llemily_17 (EG), Lonelysoil_16 (EG), Marcie_22 (EG), Mashley_14 (EG), MorillMayhem_15 (EG), Namago_17 (EG), Phabia_17 (EG), Quammi_15 (EG), RobinRose_18 (EG), Romm_18 (EG), Rowlf_13 (EG), RubyRalph_19 (EG), Rudy_15 (EG), SadLad_20 (EG), SallyK_18 (EG), Sillytadpoles_17 (EG), Squash_19 (EG), StrawberryJamm_19 (EG), Tempo_17 (EG), Viceroy_16 (EG), Zagie_17 (EG), Zhafia_20 (EG),

Start 4:

- Found in 22 of 36 (61.1%) of genes in pham
- No Manual Annotations of this start.
- Called 9.1% of time when present
- Phage (with cluster) where this start called: Statler_18 (EG), Tissue_16 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 3 was manually annotated 28 times for cluster EG.

Gene Information:

Gene: BabyDotz_16 Start: 5998, Stop: 6159, Start Num: 3

Candidate Starts for BabyDotz_16:

(Start: 3 @5998 has 28 MA's), (4, 6040),

Gene: CandC_16 Start: 4783, Stop: 4941, Start Num: 3

Candidate Starts for CandC_16:

(1, 4294), (Start: 3 @4783 has 28 MA's),

Gene: EverythinBagel_17 Start: 6069, Stop: 6230, Start Num: 3

Candidate Starts for EverythinBagel_17:

(Start: 3 @6069 has 28 MA's), (4, 6111),

Gene: Fizzles_17 Start: 5599, Stop: 5763, Start Num: 3

Candidate Starts for Fizzles_17:

(Start: 3 @5599 has 28 MA's), (8, 5692),

Gene: Fransoyer_19 Start: 5958, Stop: 6128, Start Num: 3

Candidate Starts for Fransoyer_19:

(Start: 3 @5958 has 28 MA's),

Gene: Fregley_18 Start: 5321, Stop: 5479, Start Num: 3

Candidate Starts for Fregley_18:

(1, 4832), (Start: 3 @5321 has 28 MA's),

Gene: Gazebo_16 Start: 5889, Stop: 6050, Start Num: 3
Candidate Starts for Gazebo_16:
(Start: 3 @5889 has 28 MA's), (4, 5931),

Gene: Grassboy_18 Start: 6329, Stop: 6505, Start Num: 3
Candidate Starts for Grassboy_18:
(Start: 3 @6329 has 28 MA's), (6, 6398),

Gene: Hyperion_15 Start: 5586, Stop: 5747, Start Num: 3
Candidate Starts for Hyperion_15:
(2, 5502), (Start: 3 @5586 has 28 MA's), (4, 5628),

Gene: Jehoshaphat_19 Start: 6587, Stop: 6748, Start Num: 3
Candidate Starts for Jehoshaphat_19:
(Start: 3 @6587 has 28 MA's), (4, 6629),

Gene: Judebell_19 Start: 6113, Stop: 6289, Start Num: 3
Candidate Starts for Judebell_19:
(Start: 3 @6113 has 28 MA's), (6, 6182),

Gene: Kelcole_16 Start: 5174, Stop: 5332, Start Num: 3
Candidate Starts for Kelcole_16:
(1, 4685), (Start: 3 @5174 has 28 MA's),

Gene: Llemily_17 Start: 5363, Stop: 5524, Start Num: 3
Candidate Starts for Llemily_17:
(Start: 3 @5363 has 28 MA's), (4, 5405),

Gene: Lonelysoil_16 Start: 5608, Stop: 5769, Start Num: 3
Candidate Starts for Lonelysoil_16:
(Start: 3 @5608 has 28 MA's), (4, 5650),

Gene: Marcie_22 Start: 5882, Stop: 6037, Start Num: 3
Candidate Starts for Marcie_22:
(Start: 3 @5882 has 28 MA's),

Gene: Mashley_14 Start: 5403, Stop: 5564, Start Num: 3
Candidate Starts for Mashley_14:
(Start: 3 @5403 has 28 MA's), (4, 5445),

Gene: MorillMayhem_15 Start: 5411, Stop: 5572, Start Num: 3
Candidate Starts for MorillMayhem_15:
(Start: 3 @5411 has 28 MA's), (4, 5453),

Gene: Namago_17 Start: 5420, Stop: 5578, Start Num: 3
Candidate Starts for Namago_17:
(Start: 3 @5420 has 28 MA's), (4, 5462), (5, 5471), (7, 5495),

Gene: Phabia_17 Start: 5778, Stop: 5936, Start Num: 3
Candidate Starts for Phabia_17:
(Start: 3 @5778 has 28 MA's), (4, 5820), (5, 5829), (7, 5853),

Gene: Quammi_15 Start: 5352, Stop: 5513, Start Num: 3
Candidate Starts for Quammi_15:
(Start: 3 @5352 has 28 MA's), (4, 5394),

Gene: RobinRose_18 Start: 5009, Stop: 5167, Start Num: 3
Candidate Starts for RobinRose_18:
(1, 4520), (Start: 3 @5009 has 28 MA's),

Gene: Romm_18 Start: 5009, Stop: 5167, Start Num: 3
Candidate Starts for Romm_18:
(1, 4520), (Start: 3 @5009 has 28 MA's),

Gene: Rowlf_13 Start: 5118, Stop: 5279, Start Num: 3
Candidate Starts for Rowlf_13:
(Start: 3 @5118 has 28 MA's), (4, 5160),

Gene: RubyRalph_19 Start: 5892, Stop: 6062, Start Num: 3
Candidate Starts for RubyRalph_19:
(Start: 3 @5892 has 28 MA's),

Gene: Rudy_15 Start: 5352, Stop: 5513, Start Num: 3
Candidate Starts for Rudy_15:
(Start: 3 @5352 has 28 MA's), (4, 5394),

Gene: SadLad_20 Start: 6349, Stop: 6519, Start Num: 3
Candidate Starts for SadLad_20:
(Start: 3 @6349 has 28 MA's),

Gene: SallyK_18 Start: 6513, Stop: 6674, Start Num: 3
Candidate Starts for SallyK_18:
(Start: 3 @6513 has 28 MA's), (4, 6555),

Gene: Sillytadpoles_17 Start: 5350, Stop: 5511, Start Num: 3
Candidate Starts for Sillytadpoles_17:
(Start: 3 @5350 has 28 MA's), (4, 5392),

Gene: Squash_19 Start: 6369, Stop: 6545, Start Num: 3
Candidate Starts for Squash_19:
(Start: 3 @6369 has 28 MA's), (6, 6438),

Gene: Statler_18 Start: 5928, Stop: 6044, Start Num: 4
Candidate Starts for Statler_18:
(Start: 3 @5886 has 28 MA's), (4, 5928), (5, 5937), (7, 5961),

Gene: StrawberryJamm_19 Start: 5652, Stop: 5813, Start Num: 3
Candidate Starts for StrawberryJamm_19:
(Start: 3 @5652 has 28 MA's), (4, 5694),

Gene: Tempo_17 Start: 5201, Stop: 5359, Start Num: 3
Candidate Starts for Tempo_17:
(1, 4712), (Start: 3 @5201 has 28 MA's),

Gene: Tissue_16 Start: 5760, Stop: 5876, Start Num: 4
Candidate Starts for Tissue_16:
(Start: 3 @5718 has 28 MA's), (4, 5760), (5, 5769), (7, 5793),

Gene: Viceroy_16 Start: 5352, Stop: 5513, Start Num: 3
Candidate Starts for Viceroy_16:
(Start: 3 @5352 has 28 MA's), (4, 5394),

Gene: Zagie_17 Start: 5855, Stop: 6016, Start Num: 3
Candidate Starts for Zagie_17:
(Start: 3 @5855 has 28 MA's), (4, 5897),

Gene: Zhafia_20 Start: 6090, Stop: 6248, Start Num: 3
Candidate Starts for Zhafia_20:
(Start: 3 @6090 has 28 MA's), (4, 6132), (5, 6141), (7, 6165),