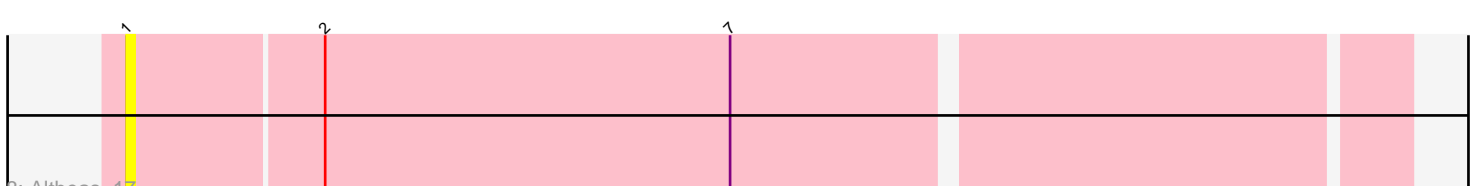
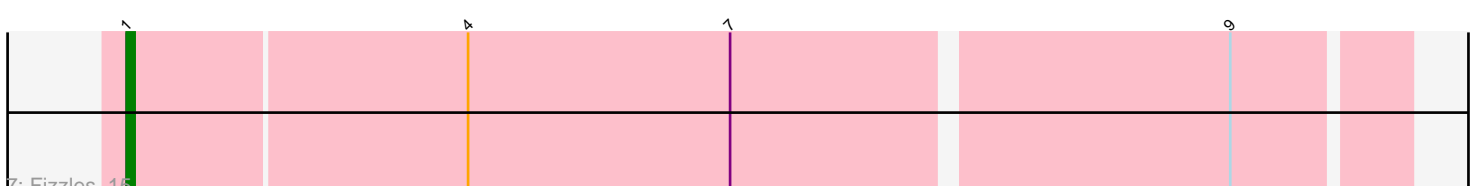
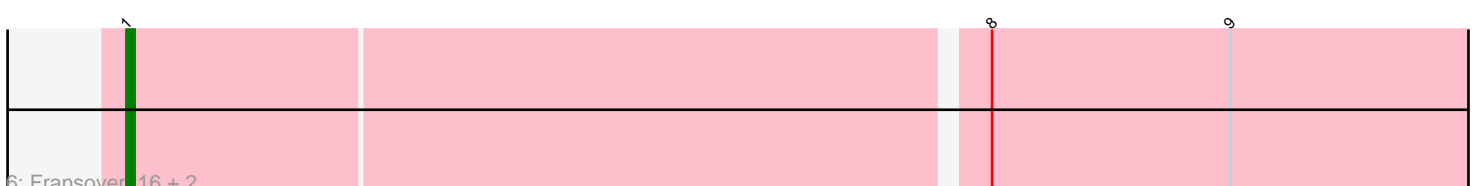
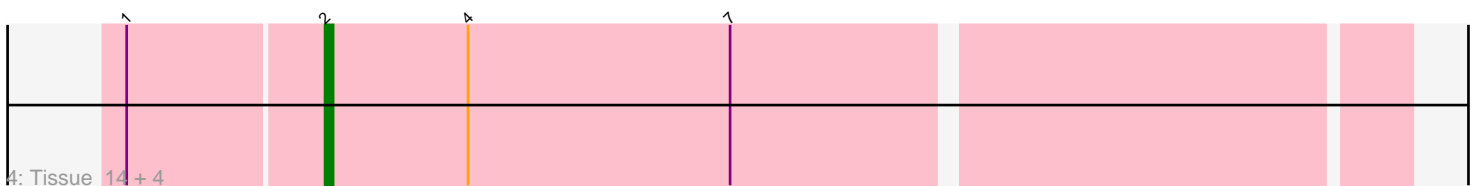
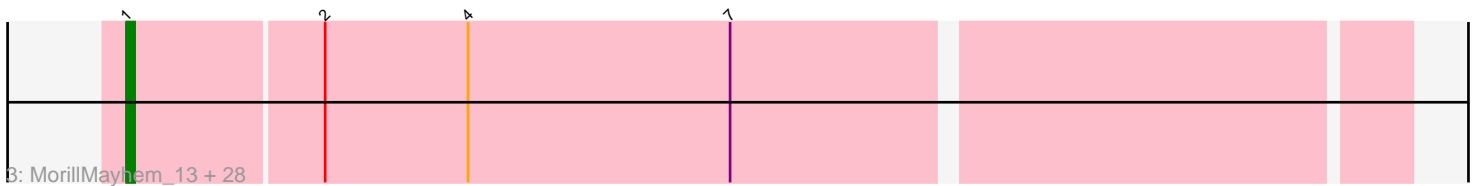
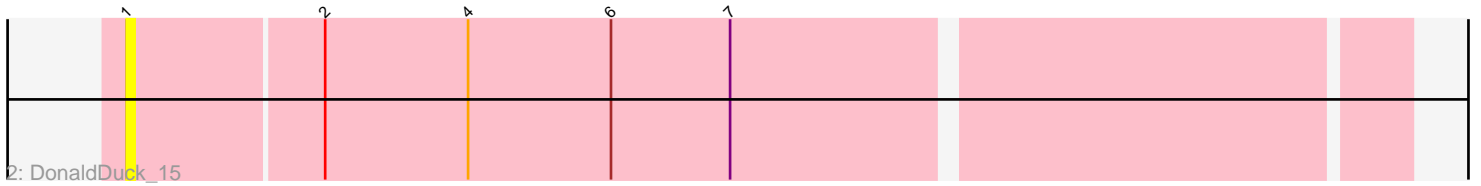
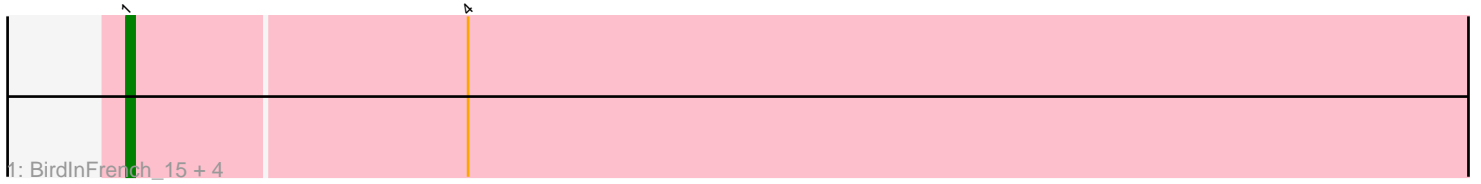


Pham 214396



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 214396 Report

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

Pham number 214396 has 46 members, 12 are drafts.

Phages represented in each track:

- Track 1 : BirdInFrench_15, Fregley_15, Marcie_19, Wilca_15, CandC_13
- Track 2 : DonaldDuck_15
- Track 3 : MorillMayhem_13, SallyK_16, Quammi_13, Phabia_15, Lonelysoil_14, Viceroy_14, Namago_15, Mashley_12, Hyperion_13, Zagie_15, BabyDotz_14, Rudy_13, Casend_16, Blab_13, FrankDeliGuy_14, Wayne3_16, AluminumJesus_13, Mentos_20, Kyva_18, Squash_17, Rowlf_11, Jehoshaphat_17, Wheelie_14, Gazebo_14, Statler_16, StrawberryJamm_17, Teehee_17, Judebell_17, Sillytadpoles_15
- Track 4 : Tissue_14, EverythinBagel_15, Llemily_15, Zhafia_18, Grassboy_16
- Track 5 : Phinky_20
- Track 6 : Fransoyer_16, SadLad_17, RubyRalph_16
- Track 7 : Fizzles_15
- Track 8 : Altheas_17

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

The start number called the most often in the published annotations is 1, it was called in 33 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas_17, AluminumJesus_13, BabyDotz_14, BirdInFrench_15, Blab_13, CandC_13, Casend_16, DonaldDuck_15, Fizzles_15, FrankDeliGuy_14, Fransoyer_16, Fregley_15, Gazebo_14, Hyperion_13, Jehoshaphat_17, Judebell_17, Kyva_18, Lonelysoil_14, Marcie_19, Mashley_12, Mentos_20, MorillMayhem_13, Namago_15, Phabia_15, Phinky_20, Quammi_13, Rowlf_11, RubyRalph_16, Rudy_13, SadLad_17, SallyK_16, Sillytadpoles_15, Squash_17, Statler_16, StrawberryJamm_17, Teehee_17, Viceroy_14, Wayne3_16, Wheelie_14, Wilca_15, Zagie_15,

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

- EverythinBagel_15, Grassboy_16, Llemily_15, Tissue_14, Zhafia_18,

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

-

Summary by start number:

Start 1:

- Found in 46 of 46 (100.0%) of genes in pham
- Manual Annotations of this start: 33 of 34
- Called 89.1% of time when present
- Phage (with cluster) where this start called: Altheas_17 (EG), AluminumJesus_13 (EG), BabyDotz_14 (EG), BirdInFrench_15 (EG), Blab_13 (EG), CandC_13 (EG), Casend_16 (EG), DonaldDuck_15 (EG), Fizzles_15 (EG), FrankDeliGuy_14 (EG), Fransoyer_16 (EG), Fregley_15 (EG), Gazebo_14 (EG), Hyperion_13 (EG), Jehoshaphat_17 (EG), Judebell_17 (EG), Kyva_18 (EG), Lonelysoil_14 (EG), Marcie_19 (EG), Mashley_12 (EG), Mentos_20 (EG), MorillMayhem_13 (EG), Namago_15 (EG), Phabia_15 (EG), Phinky_20 (EG), Quammi_13 (EG), Rowlf_11 (EG), RubyRalph_16 (EG), Rudy_13 (EG), SadLad_17 (EG), SallyK_16 (EG), Sillytadpoles_15 (EG), Squash_17 (EG), Statler_16 (EG), StrawberryJamm_17 (EG), Teehee_17 (EG), Viceroy_14 (EG), Wayne3_16 (EG), Wheelie_14 (EG), Wilca_15 (EG), Zagie_15 (EG),

Start 2:

- Found in 36 of 46 (78.3%) of genes in pham
- Manual Annotations of this start: 1 of 34
- Called 13.9% of time when present
- Phage (with cluster) where this start called: EverythinBagel_15 (EG), Grassboy_16 (EG), Llemily_15 (EG), Tissue_14 (EG), Zhafia_18 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 1 was manually annotated 33 times for cluster EG.
- Start number 2 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: Altheas_17 Start: 5429, Stop: 5584, Start Num: 1

Candidate Starts for Altheas_17:

(Start: 1 @5429 has 33 MA's), (Start: 2 @5453 has 1 MA's), (7, 5504),

Gene: AluminumJesus_13 Start: 4629, Stop: 4784, Start Num: 1

Candidate Starts for AluminumJesus_13:

(Start: 1 @4629 has 33 MA's), (Start: 2 @4653 has 1 MA's), (4, 4671), (7, 4704),

Gene: BabyDotz_14 Start: 5086, Stop: 5241, Start Num: 1

Candidate Starts for BabyDotz_14:

(Start: 1 @5086 has 33 MA's), (Start: 2 @5110 has 1 MA's), (4, 5128), (7, 5161),

Gene: BirdInFrench_15 Start: 4141, Stop: 4311, Start Num: 1

Candidate Starts for BirdInFrench_15:

(Start: 1 @4141 has 33 MA's), (4, 4183),

Gene: Blab_13 Start: 4411, Stop: 4566, Start Num: 1
Candidate Starts for Blab_13:
(Start: 1 @4411 has 33 MA's), (Start: 2 @4435 has 1 MA's), (4, 4453), (7, 4486),

Gene: CandC_13 Start: 3645, Stop: 3815, Start Num: 1
Candidate Starts for CandC_13:
(Start: 1 @3645 has 33 MA's), (4, 3687),

Gene: Casend_16 Start: 5383, Stop: 5538, Start Num: 1
Candidate Starts for Casend_16:
(Start: 1 @5383 has 33 MA's), (Start: 2 @5407 has 1 MA's), (4, 5425), (7, 5458),

Gene: DonaldDuck_15 Start: 4729, Stop: 4884, Start Num: 1
Candidate Starts for DonaldDuck_15:
(Start: 1 @4729 has 33 MA's), (Start: 2 @4753 has 1 MA's), (4, 4771), (6, 4789), (7, 4804),

Gene: EverythinBagel_15 Start: 5181, Stop: 5312, Start Num: 2
Candidate Starts for EverythinBagel_15:
(Start: 1 @5157 has 33 MA's), (Start: 2 @5181 has 1 MA's), (4, 5199), (7, 5232),

Gene: Fizzles_15 Start: 4801, Stop: 4956, Start Num: 1
Candidate Starts for Fizzles_15:
(Start: 1 @4801 has 33 MA's), (4, 4843), (7, 4876), (9, 4936),

Gene: FrankDeliGuy_14 Start: 4615, Stop: 4770, Start Num: 1
Candidate Starts for FrankDeliGuy_14:
(Start: 1 @4615 has 33 MA's), (Start: 2 @4639 has 1 MA's), (4, 4657), (7, 4690),

Gene: Fransoyer_16 Start: 4929, Stop: 5096, Start Num: 1
Candidate Starts for Fransoyer_16:
(Start: 1 @4929 has 33 MA's), (8, 5034), (9, 5064),

Gene: Fregley_15 Start: 4183, Stop: 4353, Start Num: 1
Candidate Starts for Fregley_15:
(Start: 1 @4183 has 33 MA's), (4, 4225),

Gene: Gazebo_14 Start: 4977, Stop: 5132, Start Num: 1
Candidate Starts for Gazebo_14:
(Start: 1 @4977 has 33 MA's), (Start: 2 @5001 has 1 MA's), (4, 5019), (7, 5052),

Gene: Grassboy_16 Start: 5441, Stop: 5572, Start Num: 2
Candidate Starts for Grassboy_16:
(Start: 1 @5417 has 33 MA's), (Start: 2 @5441 has 1 MA's), (4, 5459), (7, 5492),

Gene: Hyperion_13 Start: 4674, Stop: 4829, Start Num: 1
Candidate Starts for Hyperion_13:
(Start: 1 @4674 has 33 MA's), (Start: 2 @4698 has 1 MA's), (4, 4716), (7, 4749),

Gene: Jehoshaphat_17 Start: 5675, Stop: 5830, Start Num: 1
Candidate Starts for Jehoshaphat_17:
(Start: 1 @5675 has 33 MA's), (Start: 2 @5699 has 1 MA's), (4, 5717), (7, 5750),

Gene: Judebell_17 Start: 5201, Stop: 5356, Start Num: 1
Candidate Starts for Judebell_17:
(Start: 1 @5201 has 33 MA's), (Start: 2 @5225 has 1 MA's), (4, 5243), (7, 5276),

Gene: Kyva_18 Start: 5452, Stop: 5607, Start Num: 1
Candidate Starts for Kyva_18:
(Start: 1 @5452 has 33 MA's), (Start: 2 @5476 has 1 MA's), (4, 5494), (7, 5527),

Gene: Llemily_15 Start: 4475, Stop: 4606, Start Num: 2
Candidate Starts for Llemily_15:
(Start: 1 @4451 has 33 MA's), (Start: 2 @4475 has 1 MA's), (4, 4493), (7, 4526),

Gene: Lonelysoil_14 Start: 4696, Stop: 4851, Start Num: 1
Candidate Starts for Lonelysoil_14:
(Start: 1 @4696 has 33 MA's), (Start: 2 @4720 has 1 MA's), (4, 4738), (7, 4771),

Gene: Marcie_19 Start: 4741, Stop: 4911, Start Num: 1
Candidate Starts for Marcie_19:
(Start: 1 @4741 has 33 MA's), (4, 4783),

Gene: Mashley_12 Start: 4491, Stop: 4646, Start Num: 1
Candidate Starts for Mashley_12:
(Start: 1 @4491 has 33 MA's), (Start: 2 @4515 has 1 MA's), (4, 4533), (7, 4566),

Gene: Mentos_20 Start: 6030, Stop: 6185, Start Num: 1
Candidate Starts for Mentos_20:
(Start: 1 @6030 has 33 MA's), (Start: 2 @6054 has 1 MA's), (4, 6072), (7, 6105),

Gene: MorillMayhem_13 Start: 4499, Stop: 4654, Start Num: 1
Candidate Starts for MorillMayhem_13:
(Start: 1 @4499 has 33 MA's), (Start: 2 @4523 has 1 MA's), (4, 4541), (7, 4574),

Gene: Namago_15 Start: 4508, Stop: 4663, Start Num: 1
Candidate Starts for Namago_15:
(Start: 1 @4508 has 33 MA's), (Start: 2 @4532 has 1 MA's), (4, 4550), (7, 4583),

Gene: Phabia_15 Start: 4866, Stop: 5021, Start Num: 1
Candidate Starts for Phabia_15:
(Start: 1 @4866 has 33 MA's), (Start: 2 @4890 has 1 MA's), (4, 4908), (7, 4941),

Gene: Phinky_20 Start: 5491, Stop: 5649, Start Num: 1
Candidate Starts for Phinky_20:
(Start: 1 @5491 has 33 MA's), (3, 5524), (5, 5539), (9, 5629),

Gene: Quammi_13 Start: 4440, Stop: 4595, Start Num: 1
Candidate Starts for Quammi_13:
(Start: 1 @4440 has 33 MA's), (Start: 2 @4464 has 1 MA's), (4, 4482), (7, 4515),

Gene: Rowlf_11 Start: 4206, Stop: 4361, Start Num: 1
Candidate Starts for Rowlf_11:
(Start: 1 @4206 has 33 MA's), (Start: 2 @4230 has 1 MA's), (4, 4248), (7, 4281),

Gene: RubyRalph_16 Start: 4863, Stop: 5030, Start Num: 1

Candidate Starts for RubyRalph_16:
(Start: 1 @4863 has 33 MA's), (8, 4968), (9, 4998),

Gene: Rudy_13 Start: 4440, Stop: 4595, Start Num: 1
Candidate Starts for Rudy_13:
(Start: 1 @4440 has 33 MA's), (Start: 2 @4464 has 1 MA's), (4, 4482), (7, 4515),

Gene: SadLad_17 Start: 5320, Stop: 5487, Start Num: 1
Candidate Starts for SadLad_17:
(Start: 1 @5320 has 33 MA's), (8, 5425), (9, 5455),

Gene: SallyK_16 Start: 5601, Stop: 5756, Start Num: 1
Candidate Starts for SallyK_16:
(Start: 1 @5601 has 33 MA's), (Start: 2 @5625 has 1 MA's), (4, 5643), (7, 5676),

Gene: Sillytadpoles_15 Start: 4438, Stop: 4593, Start Num: 1
Candidate Starts for Sillytadpoles_15:
(Start: 1 @4438 has 33 MA's), (Start: 2 @4462 has 1 MA's), (4, 4480), (7, 4513),

Gene: Squash_17 Start: 5454, Stop: 5609, Start Num: 1
Candidate Starts for Squash_17:
(Start: 1 @5454 has 33 MA's), (Start: 2 @5478 has 1 MA's), (4, 5496), (7, 5529),

Gene: Statler_16 Start: 4974, Stop: 5129, Start Num: 1
Candidate Starts for Statler_16:
(Start: 1 @4974 has 33 MA's), (Start: 2 @4998 has 1 MA's), (4, 5016), (7, 5049),

Gene: StrawberryJamm_17 Start: 4740, Stop: 4895, Start Num: 1
Candidate Starts for StrawberryJamm_17:
(Start: 1 @4740 has 33 MA's), (Start: 2 @4764 has 1 MA's), (4, 4782), (7, 4815),

Gene: Teehee_17 Start: 5675, Stop: 5830, Start Num: 1
Candidate Starts for Teehee_17:
(Start: 1 @5675 has 33 MA's), (Start: 2 @5699 has 1 MA's), (4, 5717), (7, 5750),

Gene: Tissue_14 Start: 4830, Stop: 4961, Start Num: 2
Candidate Starts for Tissue_14:
(Start: 1 @4806 has 33 MA's), (Start: 2 @4830 has 1 MA's), (4, 4848), (7, 4881),

Gene: Viceroy_14 Start: 4440, Stop: 4595, Start Num: 1
Candidate Starts for Viceroy_14:
(Start: 1 @4440 has 33 MA's), (Start: 2 @4464 has 1 MA's), (4, 4482), (7, 4515),

Gene: Wayne3_16 Start: 5378, Stop: 5533, Start Num: 1
Candidate Starts for Wayne3_16:
(Start: 1 @5378 has 33 MA's), (Start: 2 @5402 has 1 MA's), (4, 5420), (7, 5453),

Gene: Wheelie_14 Start: 4729, Stop: 4884, Start Num: 1
Candidate Starts for Wheelie_14:
(Start: 1 @4729 has 33 MA's), (Start: 2 @4753 has 1 MA's), (4, 4771), (7, 4804),

Gene: Wilca_15 Start: 4141, Stop: 4311, Start Num: 1
Candidate Starts for Wilca_15:

(Start: 1 @4141 has 33 MA's), (4, 4183),

Gene: Zagie_15 Start: 4943, Stop: 5098, Start Num: 1

Candidate Starts for Zagie_15:

(Start: 1 @4943 has 33 MA's), (Start: 2 @4967 has 1 MA's), (4, 4985), (7, 5018),

Gene: Zhafia_18 Start: 5202, Stop: 5333, Start Num: 2

Candidate Starts for Zhafia_18:

(Start: 1 @5178 has 33 MA's), (Start: 2 @5202 has 1 MA's), (4, 5220), (7, 5253),