



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 311836 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311836 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : DonaldDuck_16, Wayne3_18, Casend_18, Wheelie_16
- Track 2 : MorillMayhem_16, Zagie_17, Viceroy_16, SallyK_18, Mashley_14, Lonelysoil_16, BabyDotz_16, Rudy_15, EverythinBagel_16, Quammi_15, Llemily_16, Rowlf_13, Jehoshaphat_19, Gazebo_16, Mila11_19, StrawberryJamm_19, Sillytadpoles_16
- Track 3 : Romm_18, Kelcole_16, Fregley_18, RobinRose_18, CandC_16
- Track 4 : Fizzles_17
- Track 5 : KillerQueen_18
- Track 6 : OneinaGillian_17
- Track 7 : Hyperion_15
- Track 8 : Marcie_22
- Track 9 : Fransoyer_19, RubyRalph_19, SadLad_20

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 21 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyDotz_16, EverythinBagel_16, Fizzles_17, Fransoyer_19, Gazebo_16, Hyperion_15, Jehoshaphat_19, Llemily_16, Lonelysoil_16, Mashley_14, Mila11_19, MorillMayhem_16, Quammi_15, Rowlf_13, RubyRalph_19, Rudy_15, SadLad_20, SallyK_18, Sillytadpoles_16, StrawberryJamm_19, Viceroy_16, Zagie_17,

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

- Casend_18, DonaldDuck_16, Wayne3_18, Wheelie_16,

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

- CandC_16, Fregley_18, Kelcole_16, KillerQueen_18, Marcie_22, OneinaGillian_17, RobinRose_18, Romm_18,

Summary by start number:

Start 3:

- Found in 26 of 34 (76.5%) of genes in pham
- Manual Annotations of this start: 21 of 32
- Called 84.6% of time when present
- Phage (with cluster) where this start called: BabyDotz_16 (EG), EverythinBagel_16 (EG), Fizzles_17 (EG), Fransoyer_19 (EG), Gazebo_16 (EG), Hyperion_15 (EG), Jehoshaphat_19 (EG), Llemily_16 (EG), Lonelysoil_16 (EG), Mashley_14 (EG), Mila11_19 (EG), MorillMayhem_16 (EG), Quammi_15 (EG), Rowlf_13 (EG), RubyRalph_19 (EG), Rudy_15 (EG), SadLad_20 (EG), SallyK_18 (EG), Sillytadpoles_16 (EG), StrawberryJamm_19 (EG), Viceroy_16 (EG), Zagie_17 (EG),

Start 4:

- Found in 4 of 34 (11.8%) of genes in pham
- Manual Annotations of this start: 4 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casend_18 (EG), DonaldDuck_16 (EG), Wayne3_18 (EG), Wheelie_16 (EG),

Start 5:

- Found in 8 of 34 (23.5%) of genes in pham
- Manual Annotations of this start: 7 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CandC_16 (EG), Fregley_18 (EG), Kelcole_16 (EG), KillerQueen_18 (EG), Marcie_22 (EG), OneinaGillian_17 (EG), RobinRose_18 (EG), Romm_18 (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 21 times for cluster EG.
- Start number 4 was manually annotated 4 times for cluster EG.
- Start number 5 was manually annotated 7 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 21 MA's), (6, 6040),

Gene: CandC_16 Start: 4783, Stop: 4941, Start Num: 5

Candidate Starts for CandC_16:

(1, 4294), (Start: 5 @4783 has 7 MA's),

Gene: Casend_18 Start: 6316, Stop: 6477, Start Num: 4

Candidate Starts for Casend_18:

(Start: 3 @6295 has 21 MA's), (Start: 4 @6316 has 4 MA's), (7, 6382), (9, 6406),

Gene: DonaldDuck_16 Start: 5662, Stop: 5823, Start Num: 4

Candidate Starts for DonaldDuck_16:

(Start: 3 @5641 has 21 MA's), (Start: 4 @5662 has 4 MA's), (7, 5728), (9, 5752),

Gene: EverythinBagel_16 Start: 6069, Stop: 6230, Start Num: 3
Candidate Starts for EverythinBagel_16:
(Start: 3 @6069 has 21 MA's), (6, 6111),

Gene: Fizzles_17 Start: 5599, Stop: 5763, Start Num: 3
Candidate Starts for Fizzles_17:
(Start: 3 @5599 has 21 MA's), (8, 5692),

Gene: Fransoyer_19 Start: 5958, Stop: 6128, Start Num: 3
Candidate Starts for Fransoyer_19:
(Start: 3 @5958 has 21 MA's),

Gene: Fregley_18 Start: 5321, Stop: 5479, Start Num: 5
Candidate Starts for Fregley_18:
(1, 4832), (Start: 5 @5321 has 7 MA's),

Gene: Gazebo_16 Start: 5889, Stop: 6050, Start Num: 3
Candidate Starts for Gazebo_16:
(Start: 3 @5889 has 21 MA's), (6, 5931),

Gene: Hyperion_15 Start: 5586, Stop: 5747, Start Num: 3
Candidate Starts for Hyperion_15:
(2, 5502), (Start: 3 @5586 has 21 MA's), (6, 5628),

Gene: Jehoshaphat_19 Start: 6587, Stop: 6748, Start Num: 3
Candidate Starts for Jehoshaphat_19:
(Start: 3 @6587 has 21 MA's), (6, 6629),

Gene: Kelcole_16 Start: 5174, Stop: 5332, Start Num: 5
Candidate Starts for Kelcole_16:
(1, 4685), (Start: 5 @5174 has 7 MA's),

Gene: KillerQueen_18 Start: 4990, Stop: 5148, Start Num: 5
Candidate Starts for KillerQueen_18:
(Start: 5 @4990 has 7 MA's),

Gene: Llemily_16 Start: 5363, Stop: 5524, Start Num: 3
Candidate Starts for Llemily_16:
(Start: 3 @5363 has 21 MA's), (6, 5405),

Gene: Lonelysoil_16 Start: 5608, Stop: 5769, Start Num: 3
Candidate Starts for Lonelysoil_16:
(Start: 3 @5608 has 21 MA's), (6, 5650),

Gene: Marcie_22 Start: 5882, Stop: 6037, Start Num: 5
Candidate Starts for Marcie_22:
(Start: 5 @5882 has 7 MA's),

Gene: Mashley_14 Start: 5403, Stop: 5564, Start Num: 3
Candidate Starts for Mashley_14:
(Start: 3 @5403 has 21 MA's), (6, 5445),

Gene: Mila11_19 Start: 6478, Stop: 6639, Start Num: 3
Candidate Starts for Mila11_19:
(Start: 3 @6478 has 21 MA's), (6, 6520),

Gene: MorillMayhem_16 Start: 5411, Stop: 5572, Start Num: 3
Candidate Starts for MorillMayhem_16:
(Start: 3 @5411 has 21 MA's), (6, 5453),

Gene: OneinaGillian_17 Start: 4856, Stop: 5014, Start Num: 5
Candidate Starts for OneinaGillian_17:
(Start: 5 @4856 has 7 MA's),

Gene: Quammi_15 Start: 5352, Stop: 5513, Start Num: 3
Candidate Starts for Quammi_15:
(Start: 3 @5352 has 21 MA's), (6, 5394),

Gene: RobinRose_18 Start: 5009, Stop: 5167, Start Num: 5
Candidate Starts for RobinRose_18:
(1, 4520), (Start: 5 @5009 has 7 MA's),

Gene: Romm_18 Start: 5009, Stop: 5167, Start Num: 5
Candidate Starts for Romm_18:
(1, 4520), (Start: 5 @5009 has 7 MA's),

Gene: Rowlf_13 Start: 5118, Stop: 5279, Start Num: 3
Candidate Starts for Rowlf_13:
(Start: 3 @5118 has 21 MA's), (6, 5160),

Gene: RubyRalph_19 Start: 5892, Stop: 6062, Start Num: 3
Candidate Starts for RubyRalph_19:
(Start: 3 @5892 has 21 MA's),

Gene: Rudy_15 Start: 5352, Stop: 5513, Start Num: 3
Candidate Starts for Rudy_15:
(Start: 3 @5352 has 21 MA's), (6, 5394),

Gene: SadLad_20 Start: 6349, Stop: 6519, Start Num: 3
Candidate Starts for SadLad_20:
(Start: 3 @6349 has 21 MA's),

Gene: SallyK_18 Start: 6513, Stop: 6674, Start Num: 3
Candidate Starts for SallyK_18:
(Start: 3 @6513 has 21 MA's), (6, 6555),

Gene: Sillytadpoles_16 Start: 5350, Stop: 5511, Start Num: 3
Candidate Starts for Sillytadpoles_16:
(Start: 3 @5350 has 21 MA's), (6, 5392),

Gene: StrawberryJamm_19 Start: 5652, Stop: 5813, Start Num: 3
Candidate Starts for StrawberryJamm_19:
(Start: 3 @5652 has 21 MA's), (6, 5694),

Gene: Viceroy_16 Start: 5352, Stop: 5513, Start Num: 3

Candidate Starts for Viceroy_16:
(Start: 3 @5352 has 21 MA's), (6, 5394),

Gene: Wayne3_18 Start: 6311, Stop: 6472, Start Num: 4
Candidate Starts for Wayne3_18:
(Start: 3 @6290 has 21 MA's), (Start: 4 @6311 has 4 MA's), (7, 6377), (9, 6401),

Gene: Wheelie_16 Start: 5662, Stop: 5823, Start Num: 4
Candidate Starts for Wheelie_16:
(Start: 3 @5641 has 21 MA's), (Start: 4 @5662 has 4 MA's), (7, 5728), (9, 5752),

Gene: Zagie_17 Start: 5855, Stop: 6016, Start Num: 3
Candidate Starts for Zagie_17:
(Start: 3 @5855 has 21 MA's), (6, 5897),