



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 203127 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203127 has 37 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 : OneinaGillian_17
- Track 10 : Fransoyer_19, RubyRalph_19, SadLad_20
- Track 11 : 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 4, it was called in 22 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BabyDotz_16, EverythinBagel_17, Fizzles_17, Fransoyer_19, Gazebo_16, Grassboy_18, Hyperion_15, Jehoshaphat_19, Judebell_19, Llemily_17, Lonelysoil_16, Mashley_14, MorillMayhem_15, Namago_17, Phabia_17, Quammi_15, Rowlf_13, RubyRalph_19, Rudy_15, SadLad_20, SallyK_18, Sillytadpoles_17, Squash_19, StrawberryJamm_19, 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:

- CandC_16, Fregley_18, Kelcole_16, Marcie_22, OneinaGillian_17, RobinRose_18, Romm_18, Tempo_17,

Summary by start number:

Start 3:

- Found in 8 of 37 (21.6%) of genes in pham
- Manual Annotations of this start: 7 of 29
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CandC_16 (EG), Fregley_18 (EG), Kelcole_16 (EG), Marcie_22 (EG), OneinaGillian_17 (EG), RobinRose_18 (EG), Romm_18 (EG), Tempo_17 (EG),

Start 4:

- Found in 29 of 37 (78.4%) of genes in pham
- Manual Annotations of this start: 22 of 29
- Called 93.1% of time when present
- Phage (with cluster) where this start called: BabyDotz_16 (EG), EverythinBagel_17 (EG), Fizzles_17 (EG), Fransoyer_19 (EG), Gazebo_16 (EG), Grassboy_18 (EG), Hyperion_15 (EG), Jehoshaphat_19 (EG), Judebell_19 (EG), Llemily_17 (EG), Lonelysoil_16 (EG), Mashley_14 (EG), MorillMayhem_15 (EG), Namago_17 (EG), Phabia_17 (EG), Quammi_15 (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), Viceroy_16 (EG), Zagie_17 (EG), Zhafia_20 (EG),

Start 5:

- Found in 22 of 37 (59.5%) 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 7 times for cluster EG.
- Start number 4 was manually annotated 22 times for cluster EG.

Gene Information:

Gene: BabyDotz_16 Start: 5998, Stop: 6159, Start Num: 4

Candidate Starts for BabyDotz_16:

(Start: 4 @5998 has 22 MA's), (5, 6040),

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

Candidate Starts for CandC_16:

(1, 4294), (Start: 3 @4783 has 7 MA's),

Gene: EverythinBagel_17 Start: 6069, Stop: 6230, Start Num: 4

Candidate Starts for EverythinBagel_17:

(Start: 4 @6069 has 22 MA's), (5, 6111),

Gene: Fizzles_17 Start: 5599, Stop: 5763, Start Num: 4

Candidate Starts for Fizzles_17:
(Start: 4 @5599 has 22 MA's), (9, 5692),

Gene: Fransoyer_19 Start: 5958, Stop: 6128, Start Num: 4
Candidate Starts for Fransoyer_19:
(Start: 4 @5958 has 22 MA's),

Gene: Fregley_18 Start: 5321, Stop: 5479, Start Num: 3
Candidate Starts for Fregley_18:
(1, 4832), (Start: 3 @5321 has 7 MA's),

Gene: Gazebo_16 Start: 5889, Stop: 6050, Start Num: 4
Candidate Starts for Gazebo_16:
(Start: 4 @5889 has 22 MA's), (5, 5931),

Gene: Grassboy_18 Start: 6329, Stop: 6505, Start Num: 4
Candidate Starts for Grassboy_18:
(Start: 4 @6329 has 22 MA's), (7, 6398),

Gene: Hyperion_15 Start: 5586, Stop: 5747, Start Num: 4
Candidate Starts for Hyperion_15:
(2, 5502), (Start: 4 @5586 has 22 MA's), (5, 5628),

Gene: Jehoshaphat_19 Start: 6587, Stop: 6748, Start Num: 4
Candidate Starts for Jehoshaphat_19:
(Start: 4 @6587 has 22 MA's), (5, 6629),

Gene: Judebell_19 Start: 6113, Stop: 6289, Start Num: 4
Candidate Starts for Judebell_19:
(Start: 4 @6113 has 22 MA's), (7, 6182),

Gene: Kelcole_16 Start: 5174, Stop: 5332, Start Num: 3
Candidate Starts for Kelcole_16:
(1, 4685), (Start: 3 @5174 has 7 MA's),

Gene: Llemily_17 Start: 5363, Stop: 5524, Start Num: 4
Candidate Starts for Llemily_17:
(Start: 4 @5363 has 22 MA's), (5, 5405),

Gene: Lonelysoil_16 Start: 5608, Stop: 5769, Start Num: 4
Candidate Starts for Lonelysoil_16:
(Start: 4 @5608 has 22 MA's), (5, 5650),

Gene: Marcie_22 Start: 5882, Stop: 6037, Start Num: 3
Candidate Starts for Marcie_22:
(Start: 3 @5882 has 7 MA's),

Gene: Mashley_14 Start: 5403, Stop: 5564, Start Num: 4
Candidate Starts for Mashley_14:
(Start: 4 @5403 has 22 MA's), (5, 5445),

Gene: MorillMayhem_15 Start: 5411, Stop: 5572, Start Num: 4
Candidate Starts for MorillMayhem_15:

(Start: 4 @5411 has 22 MA's), (5, 5453),

Gene: Namago_17 Start: 5420, Stop: 5578, Start Num: 4
Candidate Starts for Namago_17:
(Start: 4 @5420 has 22 MA's), (5, 5462), (6, 5471), (8, 5495),

Gene: OneinaGillian_17 Start: 4856, Stop: 5014, Start Num: 3
Candidate Starts for OneinaGillian_17:
(Start: 3 @4856 has 7 MA's),

Gene: Phabia_17 Start: 5778, Stop: 5936, Start Num: 4
Candidate Starts for Phabia_17:
(Start: 4 @5778 has 22 MA's), (5, 5820), (6, 5829), (8, 5853),

Gene: Quammi_15 Start: 5352, Stop: 5513, Start Num: 4
Candidate Starts for Quammi_15:
(Start: 4 @5352 has 22 MA's), (5, 5394),

Gene: RobinRose_18 Start: 5009, Stop: 5167, Start Num: 3
Candidate Starts for RobinRose_18:
(1, 4520), (Start: 3 @5009 has 7 MA's),

Gene: Romm_18 Start: 5009, Stop: 5167, Start Num: 3
Candidate Starts for Romm_18:
(1, 4520), (Start: 3 @5009 has 7 MA's),

Gene: Rowlf_13 Start: 5118, Stop: 5279, Start Num: 4
Candidate Starts for Rowlf_13:
(Start: 4 @5118 has 22 MA's), (5, 5160),

Gene: RubyRalph_19 Start: 5892, Stop: 6062, Start Num: 4
Candidate Starts for RubyRalph_19:
(Start: 4 @5892 has 22 MA's),

Gene: Rudy_15 Start: 5352, Stop: 5513, Start Num: 4
Candidate Starts for Rudy_15:
(Start: 4 @5352 has 22 MA's), (5, 5394),

Gene: SadLad_20 Start: 6349, Stop: 6519, Start Num: 4
Candidate Starts for SadLad_20:
(Start: 4 @6349 has 22 MA's),

Gene: SallyK_18 Start: 6513, Stop: 6674, Start Num: 4
Candidate Starts for SallyK_18:
(Start: 4 @6513 has 22 MA's), (5, 6555),

Gene: Sillytadpoles_17 Start: 5350, Stop: 5511, Start Num: 4
Candidate Starts for Sillytadpoles_17:
(Start: 4 @5350 has 22 MA's), (5, 5392),

Gene: Squash_19 Start: 6369, Stop: 6545, Start Num: 4
Candidate Starts for Squash_19:
(Start: 4 @6369 has 22 MA's), (7, 6438),

Gene: Statler_18 Start: 5928, Stop: 6044, Start Num: 5
Candidate Starts for Statler_18:
(Start: 4 @5886 has 22 MA's), (5, 5928), (6, 5937), (8, 5961),

Gene: StrawberryJamm_19 Start: 5652, Stop: 5813, Start Num: 4
Candidate Starts for StrawberryJamm_19:
(Start: 4 @5652 has 22 MA's), (5, 5694),

Gene: Tempo_17 Start: 5201, Stop: 5359, Start Num: 3
Candidate Starts for Tempo_17:
(1, 4712), (Start: 3 @5201 has 7 MA's),

Gene: Tissue_16 Start: 5760, Stop: 5876, Start Num: 5
Candidate Starts for Tissue_16:
(Start: 4 @5718 has 22 MA's), (5, 5760), (6, 5769), (8, 5793),

Gene: Viceroy_16 Start: 5352, Stop: 5513, Start Num: 4
Candidate Starts for Viceroy_16:
(Start: 4 @5352 has 22 MA's), (5, 5394),

Gene: Zagie_17 Start: 5855, Stop: 6016, Start Num: 4
Candidate Starts for Zagie_17:
(Start: 4 @5855 has 22 MA's), (5, 5897),

Gene: Zhafia_20 Start: 6090, Stop: 6248, Start Num: 4
Candidate Starts for Zhafia_20:
(Start: 4 @6090 has 22 MA's), (5, 6132), (6, 6141), (8, 6165),