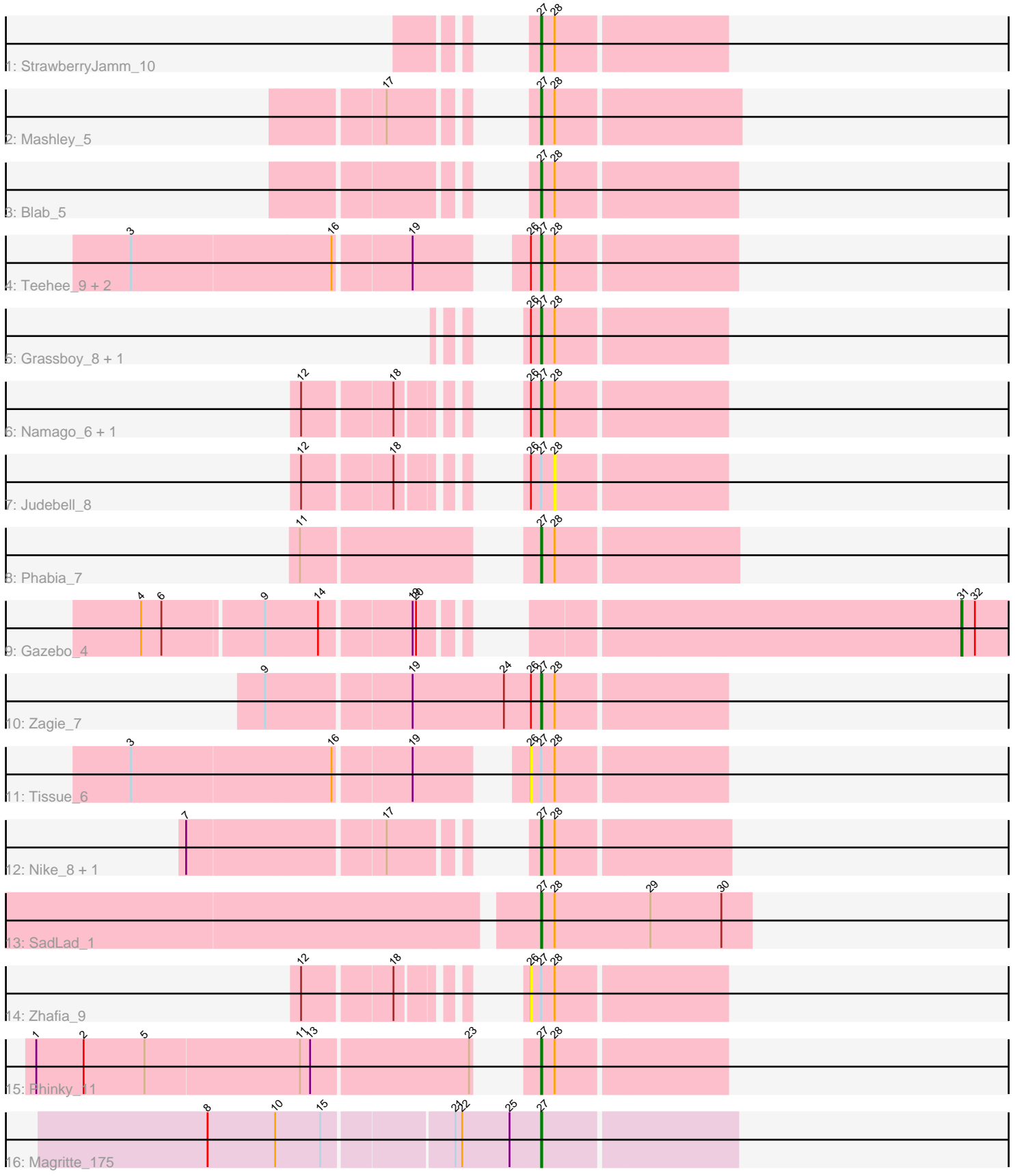


Pham 163933



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 163933 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163933 has 21 members, 4 are drafts.

Phages represented in each track:

- Track 1 : StrawberryJamm_10
- Track 2 : Mashley_5
- Track 3 : Blab_5
- Track 4 : Teehee_9, Jehoshaphat_9, SallyK_8
- Track 5 : Grassboy_8, Kyva_10
- Track 6 : Namago_6, AluminumJesus_4
- Track 7 : Judebell_8
- Track 8 : Phabia_7
- Track 9 : Gazebo_4
- Track 10 : Zagie_7
- Track 11 : Tissue_6
- Track 12 : Nike_8, Squash_9
- Track 13 : SadLad_1
- Track 14 : Zhafia_9
- Track 15 : Phinky_11
- Track 16 : Magritte_175

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

The start number called the most often in the published annotations is 27, it was called in 16 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AluminumJesus_4, Blab_5, Grassboy_8, Jehoshaphat_9, Kyva_10, Magritte_175, Mashley_5, Namago_6, Nike_8, Phabia_7, Phinky_11, SadLad_1, SallyK_8, Squash_9, StrawberryJamm_10, Teehee_9, Zagie_7,

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

- Judebell_8, Tissue_6, Zhafia_9,

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

- Gazebo_4,

Summary by start number:

Start 26:

- Found in 11 of 21 (52.4%) of genes in pham
- No Manual Annotations of this start.
- Called 18.2% of time when present
- Phage (with cluster) where this start called: Tissue_6 (EG), Zhafia_9 (EG),

Start 27:

- Found in 20 of 21 (95.2%) of genes in pham
- Manual Annotations of this start: 16 of 17
- Called 85.0% of time when present
- Phage (with cluster) where this start called: AluminumJesus_4 (EG), Blab_5 (EG), Grassboy_8 (EG), Jehoshaphat_9 (EG), Kyva_10 (EG), Magritte_175 (singleton), Mashley_5 (EG), Namago_6 (EG), Nike_8 (EG), Phabia_7 (EG), Phinky_11 (EG), SadLad_1 (EG), SallyK_8 (EG), Squash_9 (EG), StrawberryJamm_10 (EG), Teehee_9 (EG), Zagie_7 (EG),

Start 28:

- Found in 19 of 21 (90.5%) of genes in pham
- No Manual Annotations of this start.
- Called 5.3% of time when present
- Phage (with cluster) where this start called: Judebell_8 (EG),

Start 31:

- Found in 1 of 21 (4.8%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gazebo_4 (EG),

Summary by clusters:

There are 2 clusters represented in this pham: EG, singleton,

Info for manual annotations of cluster EG:

- Start number 27 was manually annotated 15 times for cluster EG.
- Start number 31 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: AluminumJesus_4 Start: 1531, Stop: 1373, Start Num: 27

Candidate Starts for AluminumJesus_4:

(12, 1666), (18, 1594), (26, 1540), (Start: 27 @1531 has 16 MA's), (28, 1519),

Gene: Blab_5 Start: 1531, Stop: 1364, Start Num: 27

Candidate Starts for Blab_5:

(Start: 27 @1531 has 16 MA's), (28, 1519),

Gene: Gazebo_4 Start: 1703, Stop: 1548, Start Num: 31

Candidate Starts for Gazebo_4:

(4, 2336), (6, 2318), (9, 2234), (14, 2189), (19, 2114), (20, 2111), (Start: 31 @1703 has 1 MA's), (32, 1691),

Gene: Grassboy_8 Start: 2431, Stop: 2273, Start Num: 27

Candidate Starts for Grassboy_8:

(26, 2440), (Start: 27 @2431 has 16 MA's), (28, 2419),

Gene: Jehoshaphat_9 Start: 2955, Stop: 2788, Start Num: 27

Candidate Starts for Jehoshaphat_9:

(3, 3270), (16, 3096), (19, 3033), (26, 2964), (Start: 27 @2955 has 16 MA's), (28, 2943),

Gene: Judebell_8 Start: 2397, Stop: 2251, Start Num: 28

Candidate Starts for Judebell_8:

(12, 2544), (18, 2472), (26, 2418), (Start: 27 @2409 has 16 MA's), (28, 2397),

Gene: Kyva_10 Start: 2466, Stop: 2308, Start Num: 27

Candidate Starts for Kyva_10:

(26, 2475), (Start: 27 @2466 has 16 MA's), (28, 2454),

Gene: Magritte_175 Start: 100807, Stop: 100974, Start Num: 27

Candidate Starts for Magritte_175:

(8, 100525), (10, 100585), (15, 100624), (21, 100732), (22, 100738), (25, 100780), (Start: 27 @100807 has 16 MA's),

Gene: Mashley_5 Start: 1919, Stop: 1749, Start Num: 27

Candidate Starts for Mashley_5:

(17, 1991), (Start: 27 @1919 has 16 MA's), (28, 1907),

Gene: Namago_6 Start: 1716, Stop: 1558, Start Num: 27

Candidate Starts for Namago_6:

(12, 1851), (18, 1779), (26, 1725), (Start: 27 @1716 has 16 MA's), (28, 1704),

Gene: Nike_8 Start: 2379, Stop: 2218, Start Num: 27

Candidate Starts for Nike_8:

(7, 2616), (17, 2451), (Start: 27 @2379 has 16 MA's), (28, 2367),

Gene: Phabia_7 Start: 2157, Stop: 1990, Start Num: 27

Candidate Starts for Phabia_7:

(11, 2319), (Start: 27 @2157 has 16 MA's), (28, 2145),

Gene: Phinky_11 Start: 2876, Stop: 2718, Start Num: 27

Candidate Starts for Phinky_11:

(1, 3269), (2, 3227), (5, 3173), (11, 3038), (13, 3029), (23, 2894), (Start: 27 @2876 has 16 MA's), (28, 2864),

Gene: SadLad_1 Start: 839, Stop: 654, Start Num: 27

Candidate Starts for SadLad_1:

(Start: 27 @839 has 16 MA's), (28, 827), (29, 743), (30, 680),

Gene: SallyK_8 Start: 3005, Stop: 2847, Start Num: 27

Candidate Starts for SallyK_8:

(3, 3320), (16, 3146), (19, 3083), (26, 3014), (Start: 27 @3005 has 16 MA's), (28, 2993),

Gene: Squash_9 Start: 2434, Stop: 2273, Start Num: 27

Candidate Starts for Squash_9:

(7, 2671), (17, 2506), (Start: 27 @2434 has 16 MA's), (28, 2422),

Gene: StrawberryJamm_10 Start: 2459, Stop: 2301, Start Num: 27

Candidate Starts for StrawberryJamm_10:

(Start: 27 @2459 has 16 MA's), (28, 2447),

Gene: Teehee_9 Start: 2955, Stop: 2788, Start Num: 27

Candidate Starts for Teehee_9:

(3, 3270), (16, 3096), (19, 3033), (26, 2964), (Start: 27 @2955 has 16 MA's), (28, 2943),

Gene: Tissue_6 Start: 2095, Stop: 1928, Start Num: 26

Candidate Starts for Tissue_6:

(3, 2401), (16, 2227), (19, 2164), (26, 2095), (Start: 27 @2086 has 16 MA's), (28, 2074),

Gene: Zagie_7 Start: 2367, Stop: 2209, Start Num: 27

Candidate Starts for Zagie_7:

(9, 2601), (19, 2481), (24, 2400), (26, 2376), (Start: 27 @2367 has 16 MA's), (28, 2355),

Gene: Zhafia_9 Start: 2395, Stop: 2228, Start Num: 26

Candidate Starts for Zhafia_9:

(12, 2521), (18, 2449), (26, 2395), (Start: 27 @2386 has 16 MA's), (28, 2374),