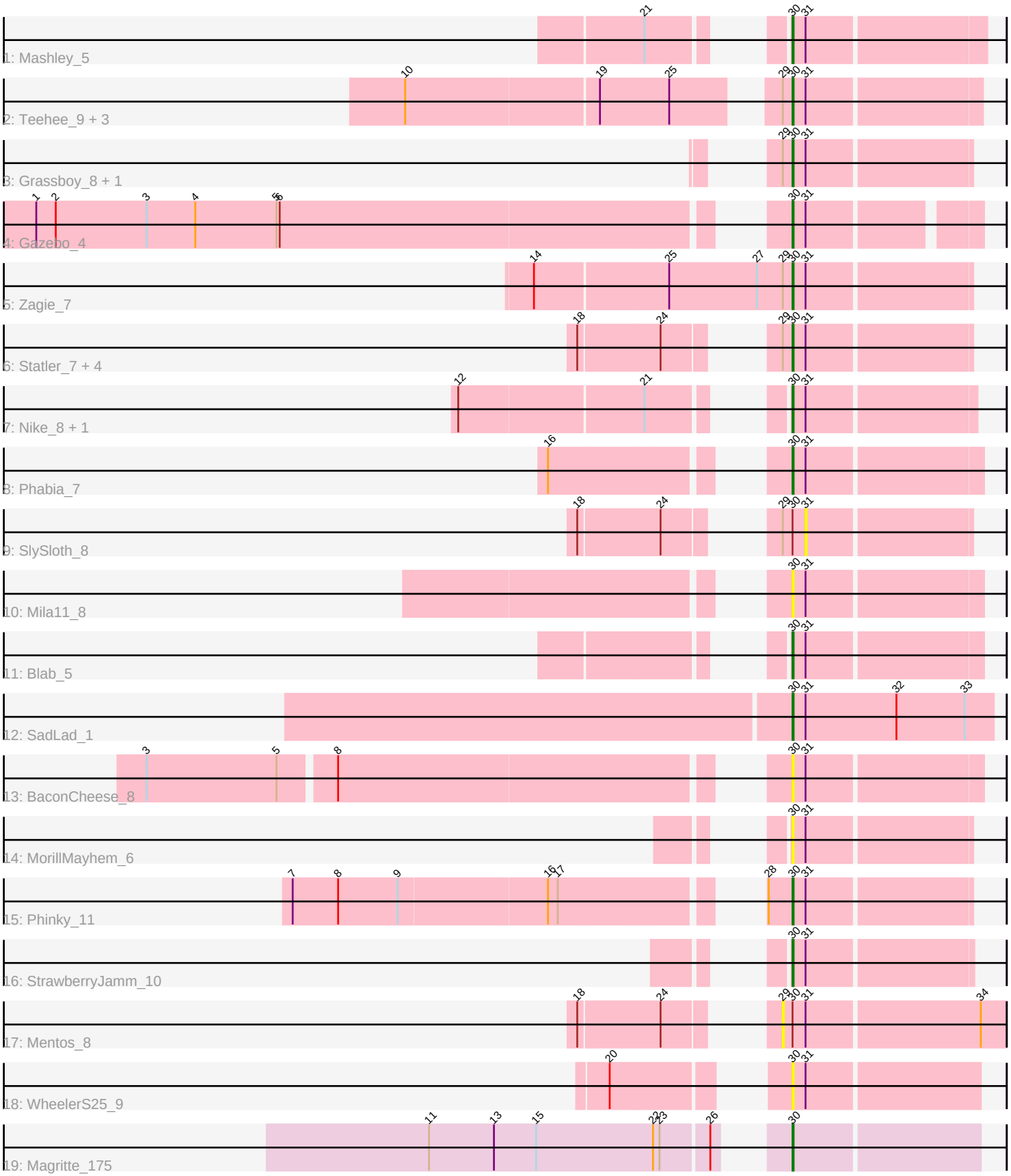
Pham 289664


1: Mashley_5
2: Teehee_9 + 3
3: Grassboy_8 + 1
4: Gazebo_4
5: Zagie_7
6: Statler_7 + 4
7: Nike_8 + 1
8: Phabia_7
9: SlySloth_8
10: Mila11_8
11: Blab_5
12: SadLad_1
13: BaconCheese_8
14: MorillMayhem_6
15: Phinky_11
16: StrawberryJamm_10
17: Mentos_8
18: WheelerS25_9
19: Magritte_175

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 289664 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289664 has 28 members, 6 are drafts.

Phages represented in each track:
- Track 1 : Mashley_5
- Track 2 : Teehee_9, Tissue_6, Jehoshaphat_9, SallyK_8
- Track 3 : Grassboy_8, Kyva_9
- Track 4 : Gazebo_4
- Track 5 : Zagie_7
- Track 6 : Statler_7, AluminumJesus_4, Zhafia_8, Namago_6, Judebell_8
- Track 7 : Nike_8, Squash_9
- Track 8 : Phabia_7
- Track 9 : SlySloth_8
- Track 10 : Mila11_8
- Track 11 : Blab_5
- Track 12 : SadLad_1
- Track 13 : BaconCheese_8
- Track 14 : MorillMayhem_6
- Track 15 : Phinky_11
- Track 16 : StrawberryJamm_10
- Track 17 : Mentos_8
- Track 18 : WheelerS25_9
- Track 19 : 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 30, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- AluminumJesus_4, BaconCheese_8, Blab_5, Gazebo_4, Grassboy_8, Jehoshaphat_9, Judebell_8, Kyva_9, Magritte_175, Mashley_5, Mila11_8, MorillMayhem_6, Namago_6, Nike_8, Phabia_7, Phinky_11, SadLad_1, SallyK_8, Squash_9, Statler_7, StrawberryJamm_10, Teehee_9, Tissue_6, WheelerS25_9, Zagie_7, Zhafia_8,

Genes that have the "Most Annotated" start but do not call it:
- Mentos_8, SlySloth_8,

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

Summary by start number:

Start 29:
• Found in 14 of 28 (50.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Mentos_8 (EG),

Start 30:
• Found in 28 of 28 (100.0%) of genes in pham
• Manual Annotations of this start: 22 of 22
• Called 92.9% of time when present
• Phage (with cluster) where this start called: AluminumJesus_4 (EG), BaconCheese_8 (EG), Blab_5 (EG), Gazebo_4 (EG), Grassboy_8 (EG), Jehoshaphat_9 (EG), Judebell_8 (EG), Kyva_9 (EG), Magritte_175 (singleton), Mashley_5 (EG), Mila11_8 (EG), MorillMayhem_6 (EG), Namago_6 (EG), Nike_8 (EG), Phabia_7 (EG), Phinky_11 (EG), SadLad_1 (EG), SallyK_8 (EG), Squash_9 (EG), Statler_7 (EG), StrawberryJamm_10 (EG), Teehee_9 (EG), Tissue_6 (EG), WheelerS25_9 (EG), Zagie_7 (EG), Zhafia_8 (EG),

Start 31:
• Found in 27 of 28 (96.4%) of genes in pham
• No Manual Annotations of this start.
• Called 3.7% of time when present
• Phage (with cluster) where this start called: SlySloth_8 (EG),

Summary by clusters:

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

Info for manual annotations of cluster EG:
•Start number 30 was manually annotated 21 times for cluster EG.

Gene Information:

Gene: AluminumJesus_4 Start: 1531, Stop: 1373, Start Num: 30
Candidate Starts for AluminumJesus_4:
(18, 1666), (24, 1594), (29, 1540), (Start: 30 @1531 has 22 MA's), (31, 1519),

Gene: BaconCheese_8 Start: 2342, Stop: 2175, Start Num: 30
Candidate Starts for BaconCheese_8:
(3, 2864), (5, 2744), (8, 2696), (Start: 30 @2342 has 22 MA's), (31, 2330),

Gene: Blab_5 Start: 1531, Stop: 1364, Start Num: 30
Candidate Starts for Blab_5:
(Start: 30 @1531 has 22 MA's), (31, 1519),

Gene: Gazebo_4 Start: 1703, Stop: 1548, Start Num: 30
Candidate Starts for Gazebo_4:
(1, 2336), (2, 2318), (3, 2234), (4, 2189), (5, 2114), (6, 2111), (Start: 30 @1703 has 22 MA's), (31, 1691),

Gene: Grassboy_8 Start: 2431, Stop: 2273, Start Num: 30
Candidate Starts for Grassboy_8:
(29, 2440), (Start: 30 @2431 has 22 MA's), (31, 2419),

Gene: Jehoshaphat_9 Start: 2955, Stop: 2788, Start Num: 30
Candidate Starts for Jehoshaphat_9:
(10, 3270), (19, 3096), (25, 3033), (29, 2964), (Start: 30 @2955 has 22 MA's), (31, 2943),

Gene: Judebell_8 Start: 2409, Stop: 2251, Start Num: 30
Candidate Starts for Judebell_8:
(18, 2544), (24, 2472), (29, 2418), (Start: 30 @2409 has 22 MA's), (31, 2397),

Gene: Kyva_9 Start: 2466, Stop: 2308, Start Num: 30
Candidate Starts for Kyva_9:
(29, 2475), (Start: 30 @2466 has 22 MA's), (31, 2454),

Gene: Magritte_175 Start: 100807, Stop: 100974, Start Num: 30
Candidate Starts for Magritte_175:
(11, 100525), (13, 100585), (15, 100624), (22, 100732), (23, 100738), (26, 100780), (Start: 30 @100807 has 22 MA's),

Gene: Mashley_5 Start: 1919, Stop: 1749, Start Num: 30
Candidate Starts for Mashley_5:
(21, 1991), (Start: 30 @1919 has 22 MA's), (31, 1907),

Gene: Mentos_8 Start: 2273, Stop: 2073, Start Num: 29
Candidate Starts for Mentos_8:
(18, 2399), (24, 2327), (29, 2273), (Start: 30 @2264 has 22 MA's), (31, 2252), (34, 2096),

Gene: Mila11_8 Start: 2327, Stop: 2160, Start Num: 30
Candidate Starts for Mila11_8:
(Start: 30 @2327 has 22 MA's), (31, 2315),

Gene: MorillMayhem_6 Start: 2134, Stop: 1976, Start Num: 30
Candidate Starts for MorillMayhem_6:
(Start: 30 @2134 has 22 MA's), (31, 2122),

Gene: Namago_6 Start: 1716, Stop: 1558, Start Num: 30
Candidate Starts for Namago_6:
(18, 1851), (24, 1779), (29, 1725), (Start: 30 @1716 has 22 MA's), (31, 1704),

Gene: Nike_8 Start: 2379, Stop: 2218, Start Num: 30
Candidate Starts for Nike_8:
(12, 2616), (21, 2451), (Start: 30 @2379 has 22 MA's), (31, 2367),

Gene: Phabia_7 Start: 2157, Stop: 1990, Start Num: 30
Candidate Starts for Phabia_7:
(16, 2319), (Start: 30 @2157 has 22 MA's), (31, 2145),

Gene: Phinky_11 Start: 2876, Stop: 2718, Start Num: 30
Candidate Starts for Phinky_11:
(7, 3269), (8, 3227), (9, 3173), (16, 3038), (17, 3029), (28, 2894), (Start: 30 @2876 has 22 MA's), (31, 2864),

Gene: SadLad_1 Start: 839, Stop: 654, Start Num: 30
Candidate Starts for SadLad_1:
(Start: 30 @839 has 22 MA's), (31, 827), (32, 743), (33, 680),

Gene: SallyK_8 Start: 3005, Stop: 2847, Start Num: 30
Candidate Starts for SallyK_8:
(10, 3320), (19, 3146), (25, 3083), (29, 3014), (Start: 30 @3005 has 22 MA's), (31, 2993),

Gene: SlySloth_8 Start: 2415, Stop: 2269, Start Num: 31
Candidate Starts for SlySloth_8:
(18, 2562), (24, 2490), (29, 2436), (Start: 30 @2427 has 22 MA's), (31, 2415),

Gene: Squash_9 Start: 2434, Stop: 2273, Start Num: 30
Candidate Starts for Squash_9:
(12, 2671), (21, 2506), (Start: 30 @2434 has 22 MA's), (31, 2422),

Gene: Statler_7 Start: 2251, Stop: 2093, Start Num: 30
Candidate Starts for Statler_7:
(18, 2386), (24, 2314), (29, 2260), (Start: 30 @2251 has 22 MA's), (31, 2239),

Gene: StrawberryJamm_10 Start: 2459, Stop: 2301, Start Num: 30
Candidate Starts for StrawberryJamm_10:
(Start: 30 @2459 has 22 MA's), (31, 2447),

Gene: Teehee_9 Start: 2955, Stop: 2788, Start Num: 30
Candidate Starts for Teehee_9:
(10, 3270), (19, 3096), (25, 3033), (29, 2964), (Start: 30 @2955 has 22 MA's), (31, 2943),

Gene: Tissue_6 Start: 2086, Stop: 1928, Start Num: 30
Candidate Starts for Tissue_6:
(10, 2401), (19, 2227), (25, 2164), (29, 2095), (Start: 30 @2086 has 22 MA's), (31, 2074),

Gene: WheelerS25_9 Start: 2902, Stop: 2735, Start Num: 30
Candidate Starts for WheelerS25_9:
(20, 3007), (Start: 30 @2902 has 22 MA's), (31, 2890),

Gene: Zagie_7 Start: 2367, Stop: 2209, Start Num: 30
Candidate Starts for Zagie_7:
(14, 2601), (25, 2481), (27, 2400), (29, 2376), (Start: 30 @2367 has 22 MA's), (31, 2355),

Gene: Zhafia_8 Start: 2386, Stop: 2228, Start Num: 30
Candidate Starts for Zhafia_8:
(18, 2521), (24, 2449), (29, 2395), (Start: 30 @2386 has 22 MA's), (31, 2374),