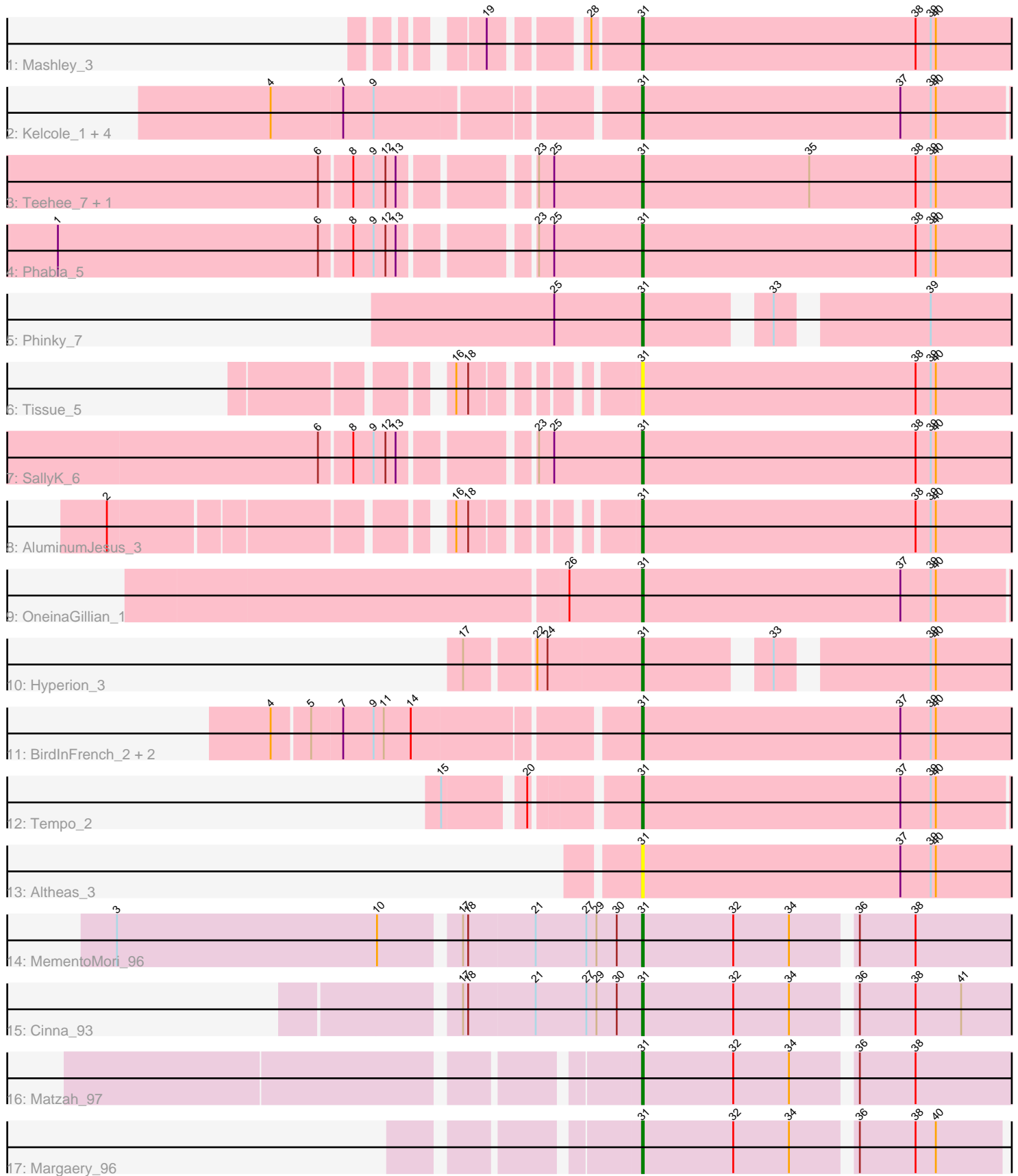


Pham 86583



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 86583 Report

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

Pham number 86583 has 24 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Mashley_3
- Track 2 : Kelcole_1, Fregley_3, CandC_1, RobinRose_2, Romm_1
- Track 3 : Teehee_7, Jehoshaphat_7
- Track 4 : Phabia_5
- Track 5 : Phinky_7
- Track 6 : Tissue_5
- Track 7 : SallyK_6
- Track 8 : AluminumJesus_3
- Track 9 : OneinaGillian_1
- Track 10 : Hyperion_3
- Track 11 : BirdInFrench_2, Wilca_2, Pepe25_1
- Track 12 : Tempo_2
- Track 13 : Altheas_3
- Track 14 : MementoMori_96
- Track 15 : Cinna_93
- Track 16 : Matzah_97
- Track 17 : Margaery_96

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

The start number called the most often in the published annotations is 31, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas_3, AluminumJesus_3, BirdInFrench_2, CandC_1, Cinna_93, Fregley_3, Hyperion_3, Jehoshaphat_7, Kelcole_1, Margaery_96, Mashley_3, Matzah_97, MementoMori_96, OneinaGillian_1, Pepe25_1, Phabia_5, Phinky_7, RobinRose_2, Romm_1, SallyK_6, Teehee_7, Tempo_2, Tissue_5, Wilca_2,

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

-

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

-

Summary by start number:

Start 31:

- Found in 24 of 24 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altheas_3 (EG), AluminumJesus_3 (EG), BirdInFrench_2 (EG), CandC_1 (EG), Cinna_93 (EI), Fregley_3 (EG), Hyperion_3 (EG), Jehoshaphat_7 (EG), Kelcole_1 (EG), Margaery_96 (EI), Mashley_3 (EG), Matzah_97 (EI), MementoMori_96 (EI), OneinaGillian_1 (EG), Pepe25_1 (EG), Phabia_5 (EG), Phinky_7 (EG), RobinRose_2 (EG), Romm_1 (EG), SallyK_6 (EG), Teehee_7 (EG), Tempo_2 (EG), Tissue_5 (EG), Wilca_2 (EG),

Summary by clusters:

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

Info for manual annotations of cluster EG:

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

Info for manual annotations of cluster EI:

- Start number 31 was manually annotated 4 times for cluster EI.

Gene Information:

Gene: Altheas_3 Start: 1338, Stop: 1105, Start Num: 31

Candidate Starts for Altheas_3:

(Start: 31 @1338 has 19 MA's), (37, 1185), (39, 1167), (40, 1164),

Gene: AluminumJesus_3 Start: 1376, Stop: 1143, Start Num: 31

Candidate Starts for AluminumJesus_3:

(2, 1631), (16, 1457), (18, 1451), (Start: 31 @1376 has 19 MA's), (38, 1214), (39, 1205), (40, 1202),

Gene: BirdInFrench_2 Start: 1123, Stop: 890, Start Num: 31

Candidate Starts for BirdInFrench_2:

(4, 1324), (5, 1303), (7, 1285), (9, 1267), (11, 1261), (14, 1246), (Start: 31 @1123 has 19 MA's), (37, 970), (39, 952), (40, 949),

Gene: CandC_1 Start: 842, Stop: 624, Start Num: 31

Candidate Starts for CandC_1:

(4, 1043), (7, 1001), (9, 983), (Start: 31 @842 has 19 MA's), (37, 689), (39, 671), (40, 668),

Gene: Cinna_93 Start: 54331, Stop: 54570, Start Num: 31

Candidate Starts for Cinna_93:

(17, 54226), (18, 54229), (21, 54268), (27, 54298), (29, 54304), (30, 54316), (Start: 31 @54331 has 19 MA's), (32, 54385), (34, 54418), (36, 54451), (38, 54484), (41, 54511),

Gene: Fregley_3 Start: 1380, Stop: 1150, Start Num: 31

Candidate Starts for Fregley_3:

(4, 1581), (7, 1539), (9, 1521), (Start: 31 @1380 has 19 MA's), (37, 1227), (39, 1209), (40, 1206),

Gene: Hyperion_3 Start: 1274, Stop: 1071, Start Num: 31

Candidate Starts for Hyperion_3:

(17, 1370), (22, 1334), (24, 1328), (Start: 31 @1274 has 19 MA's), (33, 1211), (39, 1133), (40, 1130),

Gene: Jehoshaphat_7 Start: 2537, Stop: 2304, Start Num: 31

Candidate Starts for Jehoshaphat_7:

(6, 2705), (8, 2687), (9, 2675), (12, 2669), (13, 2663), (23, 2597), (25, 2588), (Start: 31 @2537 has 19 MA's), (35, 2438), (38, 2375), (39, 2366), (40, 2363),

Gene: Kelcole_1 Start: 842, Stop: 624, Start Num: 31

Candidate Starts for Kelcole_1:

(4, 1043), (7, 1001), (9, 983), (Start: 31 @842 has 19 MA's), (37, 689), (39, 671), (40, 668),

Gene: Margaery_96 Start: 54993, Stop: 55226, Start Num: 31

Candidate Starts for Margaery_96:

(Start: 31 @54993 has 19 MA's), (32, 55047), (34, 55080), (36, 55113), (38, 55146), (40, 55158),

Gene: Mashley_3 Start: 1376, Stop: 1143, Start Num: 31

Candidate Starts for Mashley_3:

(19, 1448), (28, 1403), (Start: 31 @1376 has 19 MA's), (38, 1214), (39, 1205), (40, 1202),

Gene: Matzah_97 Start: 54651, Stop: 54890, Start Num: 31

Candidate Starts for Matzah_97:

(Start: 31 @54651 has 19 MA's), (32, 54705), (34, 54738), (36, 54771), (38, 54804),

Gene: MementoMori_96 Start: 54540, Stop: 54779, Start Num: 31

Candidate Starts for MementoMori_96:

(3, 54240), (10, 54393), (17, 54435), (18, 54438), (21, 54477), (27, 54507), (29, 54513), (30, 54525), (Start: 31 @54540 has 19 MA's), (32, 54594), (34, 54627), (36, 54660), (38, 54693),

Gene: OneinaGillian_1 Start: 842, Stop: 624, Start Num: 31

Candidate Starts for OneinaGillian_1:

(26, 884), (Start: 31 @842 has 19 MA's), (37, 689), (39, 671), (40, 668),

Gene: Pepe25_1 Start: 1123, Stop: 890, Start Num: 31

Candidate Starts for Pepe25_1:

(4, 1324), (5, 1303), (7, 1285), (9, 1267), (11, 1261), (14, 1246), (Start: 31 @1123 has 19 MA's), (37, 970), (39, 952), (40, 949),

Gene: Phabia_5 Start: 1739, Stop: 1506, Start Num: 31

Candidate Starts for Phabia_5:

(1, 2060), (6, 1907), (8, 1889), (9, 1877), (12, 1871), (13, 1865), (23, 1799), (25, 1790), (Start: 31 @1739 has 19 MA's), (38, 1577), (39, 1568), (40, 1565),

Gene: Phinky_7 Start: 2053, Stop: 1850, Start Num: 31

Candidate Starts for Phinky_7:

(25, 2104), (Start: 31 @2053 has 19 MA's), (33, 1990), (39, 1912),

Gene: RobinRose_2 Start: 842, Stop: 624, Start Num: 31

Candidate Starts for RobinRose_2:

(4, 1043), (7, 1001), (9, 983), (Start: 31 @842 has 19 MA's), (37, 689), (39, 671), (40, 668),

Gene: Romm_1 Start: 842, Stop: 624, Start Num: 31

Candidate Starts for Romm_1:

(4, 1043), (7, 1001), (9, 983), (Start: 31 @842 has 19 MA's), (37, 689), (39, 671), (40, 668),

Gene: SallyK_6 Start: 2441, Stop: 2208, Start Num: 31

Candidate Starts for SallyK_6:

(6, 2609), (8, 2591), (9, 2579), (12, 2573), (13, 2567), (23, 2501), (25, 2492), (Start: 31 @2441 has 19 MA's), (38, 2279), (39, 2270), (40, 2267),

Gene: Teehee_7 Start: 2537, Stop: 2304, Start Num: 31

Candidate Starts for Teehee_7:

(6, 2705), (8, 2687), (9, 2675), (12, 2669), (13, 2663), (23, 2597), (25, 2588), (Start: 31 @2537 has 19 MA's), (35, 2438), (38, 2375), (39, 2366), (40, 2363),

Gene: Tempo_2 Start: 881, Stop: 663, Start Num: 31

Candidate Starts for Tempo_2:

(15, 977), (20, 935), (Start: 31 @881 has 19 MA's), (37, 728), (39, 710), (40, 707),

Gene: Tissue_5 Start: 1931, Stop: 1698, Start Num: 31

Candidate Starts for Tissue_5:

(16, 2012), (18, 2006), (Start: 31 @1931 has 19 MA's), (38, 1769), (39, 1760), (40, 1757),

Gene: Wilca_2 Start: 1123, Stop: 890, Start Num: 31

Candidate Starts for Wilca_2:

(4, 1324), (5, 1303), (7, 1285), (9, 1267), (11, 1261), (14, 1246), (Start: 31 @1123 has 19 MA's), (37, 970), (39, 952), (40, 949),