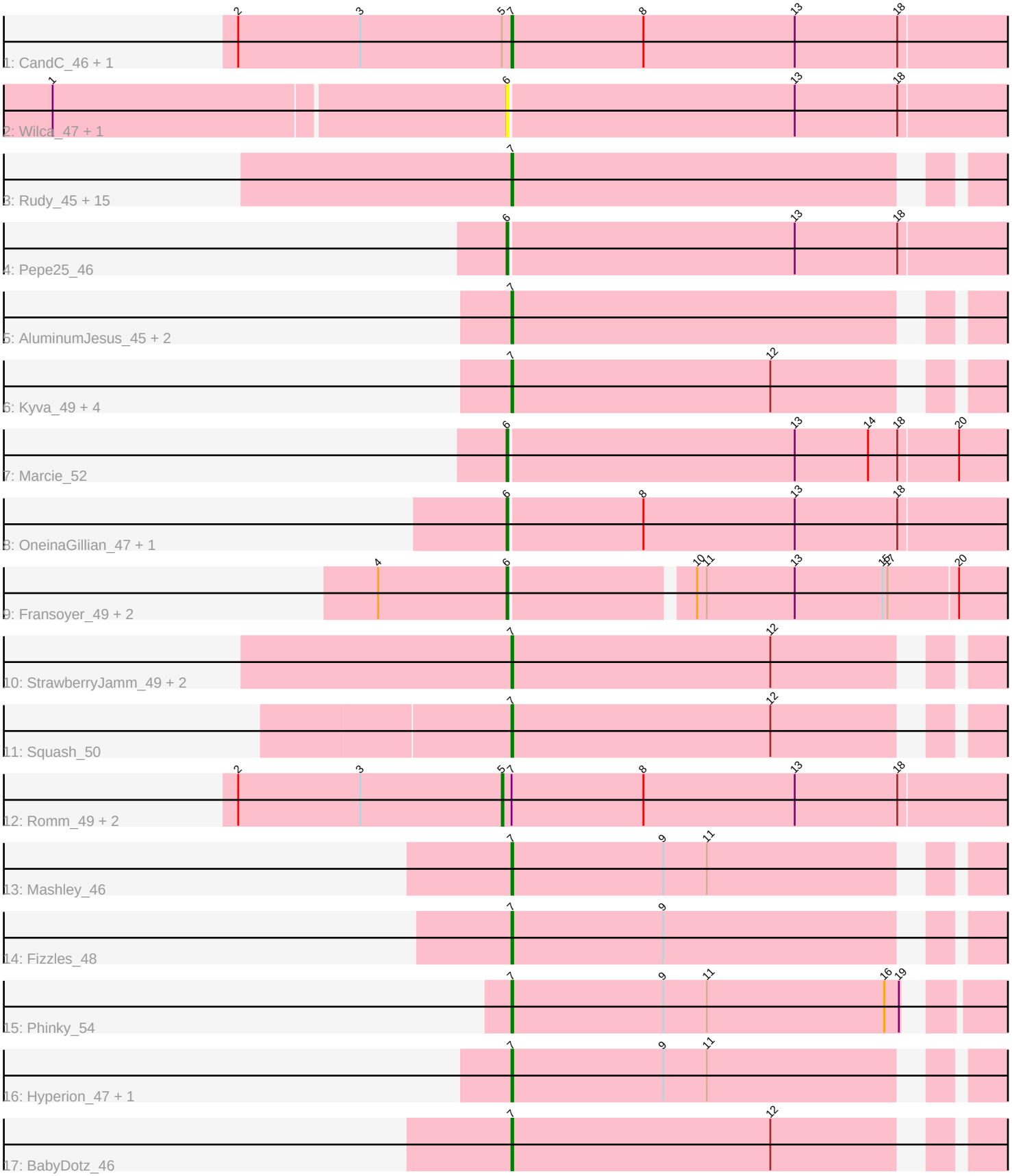
Pham 85984


1: CandC_46 + 1
2: Wilca_47 + 1
3: Rudy_45 + 15
4: Pepe25_46
5: AluminumJesus_45 + 2
6: Kyva_49 + 4
7: Marcie_52
8: OneinaGillian_47 + 1
9: Fransoyer_49 + 2
10: StrawberryJamm_49 + 2
11: Squash_50
12: Romm_49 + 2
13: Mashley_46
14: Fizzles_48
15: Phinky_54
16: Hyperion_47 + 1
17: BabyDotz_46

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 85984 Report

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

Pham number 85984 has 48 members, 12 are drafts.

Phages represented in each track:
• Track 1 : CandC_46, Tempo_47
• Track 2 : Wilca_47, BirdInFrench_47
• Track 3 : Rudy_45, Casend_48, Wayne3_49, Lonelysoil_46, Jehoshaphat_49, Llemily_47, Teehee_48, Judebell_50, DonaldDuck_47, Sillytadpoles_48, Quammi_45, Viceroy_46, Wheelie_47, Zhafia_50, Zagie_47, Phabia_47
• Track 4 : Pepe25_46
• Track 5 : AluminumJesus_45, Blab_45, SallyK_48
• Track 6 : Kyva_49, Rowlf_43, Nike_48, Namago_47, Tissue_47
• Track 7 : Marcie_52
• Track 8 : OneinaGillian_47, Fregley_48
• Track 9 : Fransoyer_49, RubyRalph_49, SadLad_51
• Track 10 : StrawberryJamm_49, Grassboy_48, Gazebo_46
• Track 11 : Squash_50
• Track 12 : Romm_49, RobinRose_49, Kelcole_46
• Track 13 : Mashley_46
• Track 14 : Fizzles_48
• Track 15 : Phinky_54
• Track 16 : Hyperion_47, Altheas_49
• Track 17 : BabyDotz_46

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

The start number called the most often in the published annotations is 7, it was called in 27 of the 36 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altheas_49, AluminumJesus_45, BabyDotz_46, Blab_45, CandC_46, Casend_48, DonaldDuck_47, Fizzles_48, Gazebo_46, Grassboy_48, Hyperion_47, Jehoshaphat_49, Judebell_50, Kyva_49, Llemily_47, Lonelysoil_46, Mashley_46, Namago_47, Nike_48, Phabia_47, Phinky_54, Quammi_45, Rowlf_43, Rudy_45, SallyK_48, Sillytadpoles_48, Squash_50, StrawberryJamm_49, Teehee_48, Tempo_47, Tissue_47, Viceroy_46, Wayne3_49, Wheelie_47, Zagie_47, Zhafia_50,

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

• Kelcole_46, RobinRose_49, Romm_49,

Genes that do not have the "Most Annotated" start:
• BirdInFrench_47, Fransoyer_49, Fregley_48, Marcie_52, OneinaGillian_47, Pepe25_46, RubyRalph_49, SadLad_51, Wilca_47,

Summary by start number:

Start 5:
• Found in 5 of 48 (10.4%) of genes in pham
• Manual Annotations of this start: 2 of 36
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Kelcole_46 (EG), RobinRose_49 (EG), Romm_49 (EG),

Start 6:
• Found in 9 of 48 (18.8%) of genes in pham
• Manual Annotations of this start: 7 of 36
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_47 (EG), Fransoyer_49 (EG), Fregley_48 (EG), Marcie_52 (EG), OneinaGillian_47 (EG), Pepe25_46 (EG), RubyRalph_49 (EG), SadLad_51 (EG), Wilca_47 (EG),

Start 7:
• Found in 39 of 48 (81.2%) of genes in pham
• Manual Annotations of this start: 27 of 36
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Altheas_49 (EG), AluminumJesus_45 (EG), BabyDotz_46 (EG), Blab_45 (EG), CandC_46 (EG), Casend_48 (EG), DonaldDuck_47 (EG), Fizzles_48 (EG), Gazebo_46 (EG), Grassboy_48 (EG), Hyperion_47 (EG), Jehoshaphat_49 (EG), Judebell_50 (EG), Kyva_49 (EG), Llemily_47 (EG), Lonelysoil_46 (EG), Mashley_46 (EG), Namago_47 (EG), Nike_48 (EG), Phabia_47 (EG), Phinky_54 (EG), Quammi_45 (EG), Rowlf_43 (EG), Rudy_45 (EG), SallyK_48 (EG), Sillytadpoles_48 (EG), Squash_50 (EG), StrawberryJamm_49 (EG), Teehee_48 (EG), Tempo_47 (EG), Tissue_47 (EG), Viceroy_46 (EG), Wayne3_49 (EG), Wheelie_47 (EG), Zagie_47 (EG), Zhafia_50 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 5 was manually annotated 2 times for cluster EG.
•Start number 6 was manually annotated 7 times for cluster EG.
•Start number 7 was manually annotated 27 times for cluster EG.

Gene Information:

Gene: Altheas_49 Start: 36432, Stop: 36130, Start Num: 7
Candidate Starts for Altheas_49:
(Start: 7 @36432 has 27 MA's), (9, 36339), (11, 36312),

Gene: AluminumJesus_45 Start: 36027, Stop: 35725, Start Num: 7
Candidate Starts for AluminumJesus_45:
(Start: 7 @36027 has 27 MA's),

Gene: BabyDotz_46 Start: 36818, Stop: 36516, Start Num: 7
Candidate Starts for BabyDotz_46:
(Start: 7 @36818 has 27 MA's), (12, 36659),

Gene: BirdInFrench_47 Start: 34636, Stop: 34307, Start Num: 6
Candidate Starts for BirdInFrench_47:
(1, 34909), (Start: 6 @34636 has 7 MA's), (13, 34462), (18, 34399),

Gene: Blab_45 Start: 35940, Stop: 35638, Start Num: 7
Candidate Starts for Blab_45:
(Start: 7 @35940 has 27 MA's),

Gene: CandC_46 Start: 34991, Stop: 34662, Start Num: 7
Candidate Starts for CandC_46:
(2, 35159), (3, 35084), (Start: 5 @34997 has 2 MA's), (Start: 7 @34991 has 27 MA's), (8, 34910), (13, 34817), (18, 34754),

Gene: Casend_48 Start: 36576, Stop: 36274, Start Num: 7
Candidate Starts for Casend_48:
(Start: 7 @36576 has 27 MA's),

Gene: DonaldDuck_47 Start: 35925, Stop: 35623, Start Num: 7
Candidate Starts for DonaldDuck_47:
(Start: 7 @35925 has 27 MA's),

Gene: Fizzles_48 Start: 35527, Stop: 35225, Start Num: 7
Candidate Starts for Fizzles_48:
(Start: 7 @35527 has 27 MA's), (9, 35434),

Gene: Fransoyer_49 Start: 38231, Stop: 37911, Start Num: 6
Candidate Starts for Fransoyer_49:
(4, 38309), (Start: 6 @38231 has 7 MA's), (10, 38126), (11, 38120), (13, 38066), (15, 38012), (17, 38009), (20, 37967),

Gene: Fregley_48 Start: 35561, Stop: 35232, Start Num: 6
Candidate Starts for Fregley_48:
(Start: 6 @35561 has 7 MA's), (8, 35480), (13, 35387), (18, 35324),

Gene: Gazebo_46 Start: 36447, Stop: 36145, Start Num: 7
Candidate Starts for Gazebo_46:
(Start: 7 @36447 has 27 MA's), (12, 36288),

Gene: Grassboy_48 Start: 36499, Stop: 36197, Start Num: 7
Candidate Starts for Grassboy_48:
(Start: 7 @36499 has 27 MA's), (12, 36340),

Gene: Hyperion_47 Start: 36445, Stop: 36143, Start Num: 7
Candidate Starts for Hyperion_47:

(Start: 7 @36445 has 27 MA's), (9, 36352), (11, 36325),

Gene: Jehoshaphat_49 Start: 36844, Stop: 36542, Start Num: 7
Candidate Starts for Jehoshaphat_49:
(Start: 7 @36844 has 27 MA's),

Gene: Judebell_50 Start: 36341, Stop: 36039, Start Num: 7
Candidate Starts for Judebell_50:
(Start: 7 @36341 has 27 MA's),

Gene: Kelcole_46 Start: 35449, Stop: 35114, Start Num: 5
Candidate Starts for Kelcole_46:
(2, 35611), (3, 35536), (Start: 5 @35449 has 2 MA's), (Start: 7 @35443 has 27 MA's), (8, 35362), (13, 35269), (18, 35206),

Gene: Kyva_49 Start: 36534, Stop: 36232, Start Num: 7
Candidate Starts for Kyva_49:
(Start: 7 @36534 has 27 MA's), (12, 36375),

Gene: Llemily_47 Start: 35620, Stop: 35318, Start Num: 7
Candidate Starts for Llemily_47:
(Start: 7 @35620 has 27 MA's),

Gene: Lonelysoil_46 Start: 35862, Stop: 35560, Start Num: 7
Candidate Starts for Lonelysoil_46:
(Start: 7 @35862 has 27 MA's),

Gene: Marcie_52 Start: 36063, Stop: 35734, Start Num: 6
Candidate Starts for Marcie_52:
(Start: 6 @36063 has 7 MA's), (13, 35889), (14, 35844), (18, 35826), (20, 35790),

Gene: Mashley_46 Start: 36260, Stop: 35958, Start Num: 7
Candidate Starts for Mashley_46:
(Start: 7 @36260 has 27 MA's), (9, 36167), (11, 36140),

Gene: Namago_47 Start: 35664, Stop: 35362, Start Num: 7
Candidate Starts for Namago_47:
(Start: 7 @35664 has 27 MA's), (12, 35505),

Gene: Nike_48 Start: 36619, Stop: 36317, Start Num: 7
Candidate Starts for Nike_48:
(Start: 7 @36619 has 27 MA's), (12, 36460),

Gene: OneinaGillian_47 Start: 35097, Stop: 34768, Start Num: 6
Candidate Starts for OneinaGillian_47:
(Start: 6 @35097 has 7 MA's), (8, 35016), (13, 34923), (18, 34860),

Gene: Pepe25_46 Start: 34642, Stop: 34313, Start Num: 6
Candidate Starts for Pepe25_46:
(Start: 6 @34642 has 7 MA's), (13, 34468), (18, 34405),

Gene: Phabia_47 Start: 36035, Stop: 35733, Start Num: 7
Candidate Starts for Phabia_47:

(Start: 7 @36035 has 27 MA's),

Gene: Phinky_54 Start: 37858, Stop: 37562, Start Num: 7
Candidate Starts for Phinky_54:
(Start: 7 @37858 has 27 MA's), (9, 37765), (11, 37738), (16, 37630), (19, 37621),

Gene: Quammi_45 Start: 35735, Stop: 35433, Start Num: 7
Candidate Starts for Quammi_45:
(Start: 7 @35735 has 27 MA's),

Gene: RobinRose_49 Start: 35603, Stop: 35268, Start Num: 5
Candidate Starts for RobinRose_49:
(2, 35765), (3, 35690), (Start: 5 @35603 has 2 MA's), (Start: 7 @35597 has 27 MA's), (8, 35516), (13, 35423), (18, 35360),

Gene: Romm_49 Start: 35603, Stop: 35268, Start Num: 5
Candidate Starts for Romm_49:
(2, 35765), (3, 35690), (Start: 5 @35603 has 2 MA's), (Start: 7 @35597 has 27 MA's), (8, 35516), (13, 35423), (18, 35360),

Gene: Rowlf_43 Start: 35708, Stop: 35406, Start Num: 7
Candidate Starts for Rowlf_43:
(Start: 7 @35708 has 27 MA's), (12, 35549),

Gene: RubyRalph_49 Start: 38160, Stop: 37840, Start Num: 6
Candidate Starts for RubyRalph_49:
(4, 38238), (Start: 6 @38160 has 7 MA's), (10, 38055), (11, 38049), (13, 37995), (15, 37941), (17, 37938), (20, 37896),

Gene: Rudy_45 Start: 35768, Stop: 35466, Start Num: 7
Candidate Starts for Rudy_45:
(Start: 7 @35768 has 27 MA's),

Gene: SadLad_51 Start: 39103, Stop: 38783, Start Num: 6
Candidate Starts for SadLad_51:
(4, 39181), (Start: 6 @39103 has 7 MA's), (10, 38998), (11, 38992), (13, 38938), (15, 38884), (17, 38881), (20, 38839),

Gene: SallyK_48 Start: 36678, Stop: 36376, Start Num: 7
Candidate Starts for SallyK_48:
(Start: 7 @36678 has 27 MA's),

Gene: Sillytadpoles_48 Start: 35608, Stop: 35306, Start Num: 7
Candidate Starts for Sillytadpoles_48:
(Start: 7 @35608 has 27 MA's),

Gene: Squash_50 Start: 36630, Stop: 36328, Start Num: 7
Candidate Starts for Squash_50:
(Start: 7 @36630 has 27 MA's), (12, 36471),

Gene: StrawberryJamm_49 Start: 35932, Stop: 35630, Start Num: 7
Candidate Starts for StrawberryJamm_49:
(Start: 7 @35932 has 27 MA's), (12, 35773),

Gene: Teehee_48 Start: 36841, Stop: 36539, Start Num: 7
Candidate Starts for Teehee_48:
(Start: 7 @36841 has 27 MA's),

Gene: Tempo_47 Start: 35476, Stop: 35147, Start Num: 7
Candidate Starts for Tempo_47:
(2, 35644), (3, 35569), (Start: 5 @35482 has 2 MA's), (Start: 7 @35476 has 27 MA's), (8, 35395), (13, 35302), (18, 35239),

Gene: Tissue_47 Start: 36307, Stop: 36005, Start Num: 7
Candidate Starts for Tissue_47:
(Start: 7 @36307 has 27 MA's), (12, 36148),

Gene: Viceroy_46 Start: 35738, Stop: 35436, Start Num: 7
Candidate Starts for Viceroy_46:
(Start: 7 @35738 has 27 MA's),

Gene: Wayne3_49 Start: 36604, Stop: 36302, Start Num: 7
Candidate Starts for Wayne3_49:
(Start: 7 @36604 has 27 MA's),

Gene: Wheelie_47 Start: 35925, Stop: 35623, Start Num: 7
Candidate Starts for Wheelie_47:
(Start: 7 @35925 has 27 MA's),

Gene: Wilca_47 Start: 34636, Stop: 34307, Start Num: 6
Candidate Starts for Wilca_47:
(1, 34909), (Start: 6 @34636 has 7 MA's), (13, 34462), (18, 34399),

Gene: Zagie_47 Start: 36173, Stop: 35871, Start Num: 7
Candidate Starts for Zagie_47:
(Start: 7 @36173 has 27 MA's),

Gene: Zhafia_50 Start: 36405, Stop: 36103, Start Num: 7
Candidate Starts for Zhafia_50:
(Start: 7 @36405 has 27 MA's),