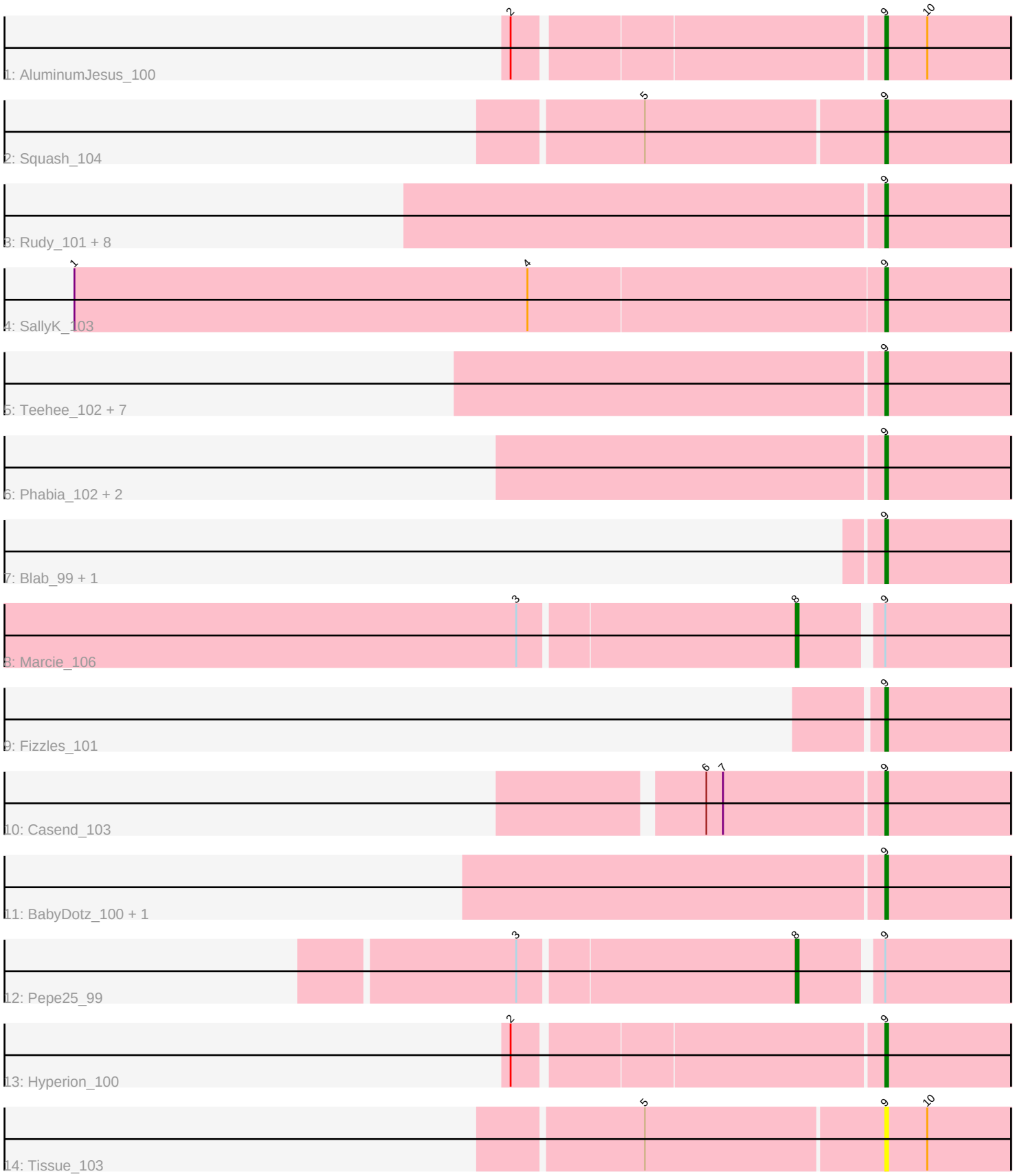
Pham 86443


2
9
10
1: AluminumJesus_100
5
9
2: Squash_104
9
3: Rudy_101 + 8
1
4
9
4: SallyK_103
9
5: Teehee_102 + 7
9
6: Phabia_102 + 2
9
7: Blab_99 + 1
3
8
9
8: Marcie_106
9
9: Fizzles_101
6
7
9
10: Casend_103
9
11: BabyDotz_100 + 1
3
8
9
12: Pepe25_99
2
9
13: Hyperion_100
5
9
10
14: Tissue_103

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 86443 Report

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

Pham number 86443 has 33 members, 8 are drafts.

Phages represented in each track:
• Track 1 : AluminumJesus_100
• Track 2 : Squash_104
• Track 3 : Rudy_101, Viceroy_102, Zagie_105, Wheelie_102, Wayne3_104, Grassboy_108, Kyva_108, Lonelysoil_101, Quammi_103
• Track 4 : SallyK_103
• Track 5 : Teehee_102, Llemily_104, StrawberryJamm_109, DonaldDuck_104, Sillytadpoles_105, Zhafia_108, Jehoshaphat_103, Namago_103
• Track 6 : Phabia_102, Mashley_100, Rowlf_104
• Track 7 : Blab_99, Gazebo_101
• Track 8 : Marcie_106
• Track 9 : Fizzles_101
• Track 10 : Casend_103
• Track 11 : BabyDotz_100, Judebell_106
• Track 12 : Pepe25_99
• Track 13 : Hyperion_100
• Track 14 : Tissue_103

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

The start number called the most often in the published annotations is 9, it was called in 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_100, BabyDotz_100, Blab_99, Casend_103, DonaldDuck_104, Fizzles_101, Gazebo_101, Grassboy_108, Hyperion_100, Jehoshaphat_103, Judebell_106, Kyva_108, Llemily_104, Lonelysoil_101, Mashley_100, Namago_103, Phabia_102, Quammi_103, Rowlf_104, Rudy_101, SallyK_103, Sillytadpoles_105, Squash_104, StrawberryJamm_109, Teehee_102, Tissue_103, Viceroy_102, Wayne3_104, Wheelie_102, Zagie_105, Zhafia_108,

Genes that have the "Most Annotated" start but do not call it:
• Marcie_106, Pepe25_99,

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

•

Summary by start number:

Start 8:
• Found in 2 of 33 (6.1%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marcie_106 (EG), Pepe25_99 (EG),

Start 9:
• Found in 33 of 33 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 25
• Called 93.9% of time when present
• Phage (with cluster) where this start called: AluminumJesus_100 (EG), BabyDotz_100 (EG), Blab_99 (EG), Casend_103 (EG), DonaldDuck_104 (EG), Fizzles_101 (EG), Gazebo_101 (EG), Grassboy_108 (EG), Hyperion_100 (EG), Jehoshaphat_103 (EG), Judebell_106 (EG), Kyva_108 (EG), Llemily_104 (EG), Lonelysoil_101 (EG), Mashley_100 (EG), Namago_103 (EG), Phabia_102 (EG), Quammi_103 (EG), Rowlf_104 (EG), Rudy_101 (EG), SallyK_103 (EG), Sillytadpoles_105 (EG), Squash_104 (EG), StrawberryJamm_109 (EG), Teehee_102 (EG), Tissue_103 (EG), Viceroy_102 (EG), Wayne3_104 (EG), Wheelie_102 (EG), Zagie_105 (EG), Zhafia_108 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 8 was manually annotated 2 times for cluster EG.
•Start number 9 was manually annotated 23 times for cluster EG.

Gene Information:

Gene: AluminumJesus_100 Start: 60162, Stop: 60073, Start Num: 9
Candidate Starts for AluminumJesus_100:
(2, 60288), (Start: 9 @60162 has 23 MA's), (10, 60147),

Gene: BabyDotz_100 Start: 61292, Stop: 61203, Start Num: 9
Candidate Starts for BabyDotz_100:
(Start: 9 @61292 has 23 MA's),

Gene: Blab_99 Start: 60294, Stop: 60205, Start Num: 9
Candidate Starts for Blab_99:
(Start: 9 @60294 has 23 MA's),

Gene: Casend_103 Start: 60696, Stop: 60607, Start Num: 9
Candidate Starts for Casend_103:
(6, 60756), (7, 60750), (Start: 9 @60696 has 23 MA's),

Gene: DonaldDuck_104 Start: 59897, Stop: 59808, Start Num: 9

Candidate Starts for DonaldDuck_104:
(Start: 9 @59897 has 23 MA's),

Gene: Fizzles_101 Start: 60453, Stop: 60364, Start Num: 9
Candidate Starts for Fizzles_101:
(Start: 9 @60453 has 23 MA's),

Gene: Gazebo_101 Start: 60299, Stop: 60210, Start Num: 9
Candidate Starts for Gazebo_101:
(Start: 9 @60299 has 23 MA's),

Gene: Grassboy_108 Start: 61069, Stop: 60980, Start Num: 9
Candidate Starts for Grassboy_108:
(Start: 9 @61069 has 23 MA's),

Gene: Hyperion_100 Start: 60011, Stop: 59922, Start Num: 9
Candidate Starts for Hyperion_100:
(2, 60137), (Start: 9 @60011 has 23 MA's),

Gene: Jehoshaphat_103 Start: 60381, Stop: 60292, Start Num: 9
Candidate Starts for Jehoshaphat_103:
(Start: 9 @60381 has 23 MA's),

Gene: Judebell_106 Start: 59859, Stop: 59770, Start Num: 9
Candidate Starts for Judebell_106:
(Start: 9 @59859 has 23 MA's),

Gene: Kyva_108 Start: 61093, Stop: 61004, Start Num: 9
Candidate Starts for Kyva_108:
(Start: 9 @61093 has 23 MA's),

Gene: Llemily_104 Start: 59592, Stop: 59503, Start Num: 9
Candidate Starts for Llemily_104:
(Start: 9 @59592 has 23 MA's),

Gene: Lonelysoil_101 Start: 59624, Stop: 59535, Start Num: 9
Candidate Starts for Lonelysoil_101:
(Start: 9 @59624 has 23 MA's),

Gene: Marcie_106 Start: 60740, Stop: 60624, Start Num: 8
Candidate Starts for Marcie_106:
(3, 60836), (Start: 8 @60740 has 2 MA's), (Start: 9 @60713 has 23 MA's),

Gene: Mashley_100 Start: 60008, Stop: 59919, Start Num: 9
Candidate Starts for Mashley_100:
(Start: 9 @60008 has 23 MA's),

Gene: Namago_103 Start: 59880, Stop: 59791, Start Num: 9
Candidate Starts for Namago_103:
(Start: 9 @59880 has 23 MA's),

Gene: Pepe25_99 Start: 59047, Stop: 58931, Start Num: 8
Candidate Starts for Pepe25_99:

(3, 59143), (Start: 8 @59047 has 2 MA's), (Start: 9 @59020 has 23 MA's),

Gene: Phabia_102 Start: 60048, Stop: 59959, Start Num: 9
Candidate Starts for Phabia_102:
(Start: 9 @60048 has 23 MA's),

Gene: Quammi_103 Start: 60145, Stop: 60056, Start Num: 9
Candidate Starts for Quammi_103:
(Start: 9 @60145 has 23 MA's),

Gene: Rowlf_104 Start: 60277, Stop: 60188, Start Num: 9
Candidate Starts for Rowlf_104:
(Start: 9 @60277 has 23 MA's),

Gene: Rudy_101 Start: 60011, Stop: 59922, Start Num: 9
Candidate Starts for Rudy_101:
(Start: 9 @60011 has 23 MA's),

Gene: SallyK_103 Start: 60869, Stop: 60780, Start Num: 9
Candidate Starts for SallyK_103:
(1, 61157), (4, 60995), (Start: 9 @60869 has 23 MA's),

Gene: Sillytadpoles_105 Start: 59580, Stop: 59491, Start Num: 9
Candidate Starts for Sillytadpoles_105:
(Start: 9 @59580 has 23 MA's),

Gene: Squash_104 Start: 60558, Stop: 60469, Start Num: 9
Candidate Starts for Squash_104:
(5, 60642), (Start: 9 @60558 has 23 MA's),

Gene: StrawberryJamm_109 Start: 60041, Stop: 59952, Start Num: 9
Candidate Starts for StrawberryJamm_109:
(Start: 9 @60041 has 23 MA's),

Gene: Teehee_102 Start: 60378, Stop: 60289, Start Num: 9
Candidate Starts for Teehee_102:
(Start: 9 @60378 has 23 MA's),

Gene: Tissue_103 Start: 60858, Stop: 60769, Start Num: 9
Candidate Starts for Tissue_103:
(5, 60942), (Start: 9 @60858 has 23 MA's), (10, 60843),

Gene: Viceroy_102 Start: 59966, Stop: 59877, Start Num: 9
Candidate Starts for Viceroy_102:
(Start: 9 @59966 has 23 MA's),

Gene: Wayne3_104 Start: 60617, Stop: 60528, Start Num: 9
Candidate Starts for Wayne3_104:
(Start: 9 @60617 has 23 MA's),

Gene: Wheelie_102 Start: 59938, Stop: 59849, Start Num: 9
Candidate Starts for Wheelie_102:
(Start: 9 @59938 has 23 MA's),

Gene: Zagie_105 Start: 60611, Stop: 60522, Start Num: 9
Candidate Starts for Zagie_105:
(Start: 9 @60611 has 23 MA's),

Gene: Zhafia_108 Start: 60374, Stop: 60285, Start Num: 9
Candidate Starts for Zhafia_108:
(Start: 9 @60374 has 23 MA's),