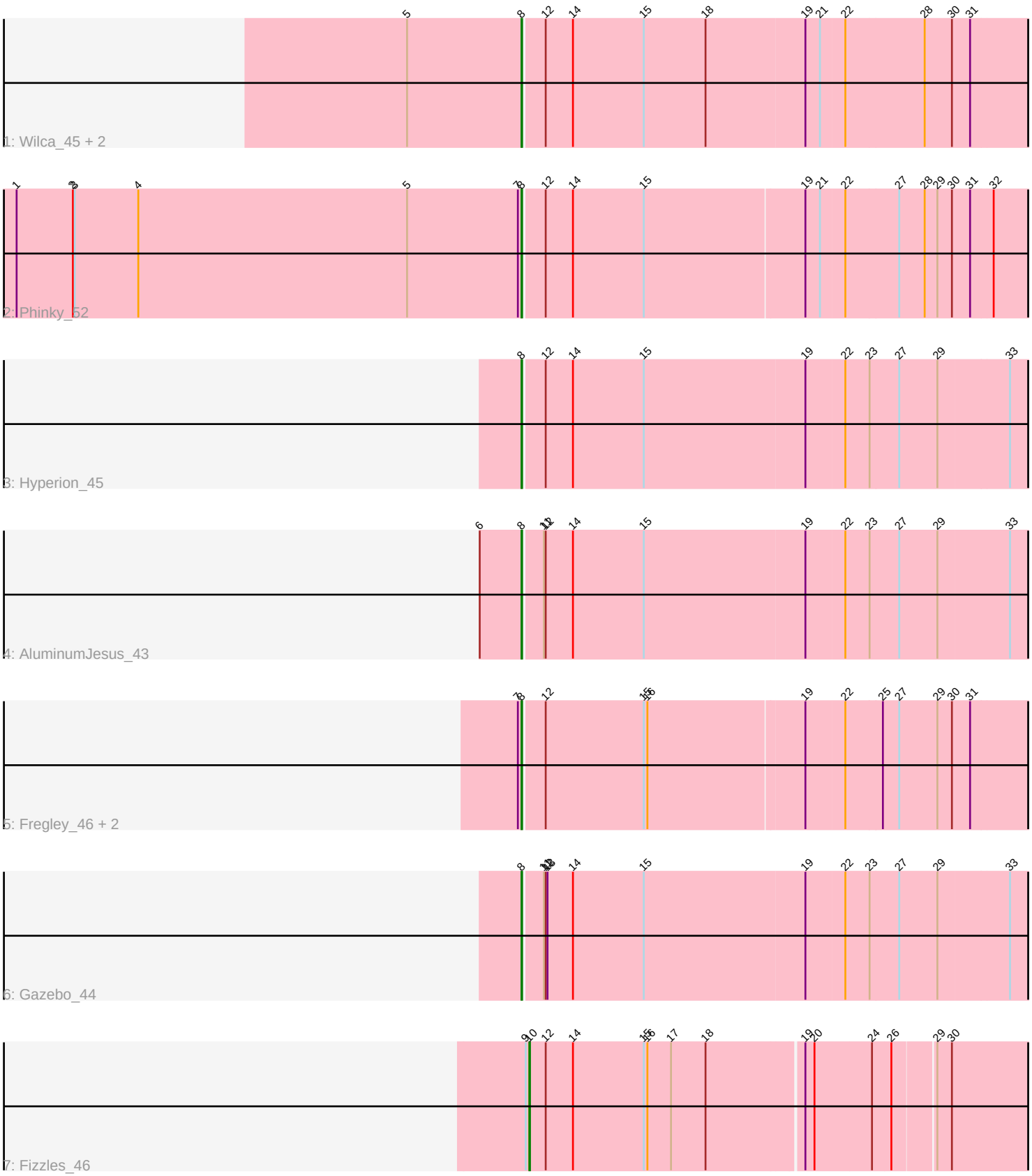
Pham 223616


1: Wilca_45 + 2
2: Phinky_52
3: Hyperion_45
4: AluminumJesus_43
5: Fregley_46 + 2
6: Gazebo_44
7: Fizzles_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 223616 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223616 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wilca_45, Pepe25_44, BirdInFrench_45
• Track 2 : Phinky_52
• Track 3 : Hyperion_45
• Track 4 : AluminumJesus_43
• Track 5 : Fregley_46, OneinaGillian_45, Tempo_45
• Track 6 : Gazebo_44
• Track 7 : Fizzles_46

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

The start number called the most often in the published annotations is 8, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_43, BirdInFrench_45, Fregley_46, Gazebo_44, Hyperion_45, OneinaGillian_45, Pepe25_44, Phinky_52, Tempo_45, Wilca_45,

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

Genes that do not have the "Most Annotated" start:
• Fizzles_46,

Summary by start number:

Start 8:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AluminumJesus_43 (EG), BirdInFrench_45 (EG), Fregley_46 (EG), Gazebo_44 (EG), Hyperion_45 (EG), OneinaGillian_45 (EG), Pepe25_44 (EG), Phinky_52 (EG), Tempo_45 (EG), Wilca_45 (EG),

Start 10:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fizzles_46 (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 10 times for cluster EG.
•Start number 10 was manually annotated 1 time for cluster EG.

Gene Information:

Gene: AluminumJesus_43 Start: 34353, Stop: 35174, Start Num: 8
Candidate Starts for AluminumJesus_43:
(6, 34284), (Start: 8 @34353 has 10 MA's), (11, 34383), (12, 34386), (14, 34431), (15, 34548), (19, 34812), (22, 34875), (23, 34914), (27, 34962), (29, 35025), (33, 35139),

Gene: BirdInFrench_45 Start: 32951, Stop: 33772, Start Num: 8
Candidate Starts for BirdInFrench_45:
(5, 32762), (Start: 8 @32951 has 10 MA's), (12, 32984), (14, 33029), (15, 33146), (18, 33248), (19, 33410), (21, 33434), (22, 33473), (28, 33602), (30, 33647), (31, 33674),

Gene: Fizzles_46 Start: 33875, Stop: 34684, Start Num: 10
Candidate Starts for Fizzles_46:
(9, 33869), (Start: 10 @33875 has 1 MA's), (12, 33902), (14, 33947), (15, 34064), (16, 34070), (17, 34109), (18, 34166), (19, 34319), (20, 34334), (24, 34427), (26, 34457), (29, 34523), (30, 34547),

Gene: Fregley_46 Start: 33886, Stop: 34707, Start Num: 8
Candidate Starts for Fregley_46:
(7, 33880), (Start: 8 @33886 has 10 MA's), (12, 33919), (15, 34081), (16, 34087), (19, 34339), (22, 34402), (25, 34462), (27, 34489), (29, 34552), (30, 34576), (31, 34603),

Gene: Gazebo_44 Start: 34812, Stop: 35633, Start Num: 8
Candidate Starts for Gazebo_44:
(Start: 8 @34812 has 10 MA's), (11, 34842), (12, 34845), (13, 34848), (14, 34890), (15, 35007), (19, 35271), (22, 35334), (23, 35373), (27, 35421), (29, 35484), (33, 35598),

Gene: Hyperion_45 Start: 34771, Stop: 35592, Start Num: 8
Candidate Starts for Hyperion_45:
(Start: 8 @34771 has 10 MA's), (12, 34804), (14, 34849), (15, 34966), (19, 35230), (22, 35293), (23, 35332), (27, 35380), (29, 35443), (33, 35557),

Gene: OneinaGillian_45 Start: 33419, Stop: 34240, Start Num: 8
Candidate Starts for OneinaGillian_45:
(7, 33413), (Start: 8 @33419 has 10 MA's), (12, 33452), (15, 33614), (16, 33620), (19, 33872), (22, 33935), (25, 33995), (27, 34022), (29, 34085), (30, 34109), (31, 34136),

Gene: Pepe25_44 Start: 32957, Stop: 33778, Start Num: 8
Candidate Starts for Pepe25_44:
(5, 32768), (Start: 8 @32957 has 10 MA's), (12, 32990), (14, 33035), (15, 33152), (18, 33254), (19, 33416), (21, 33440), (22, 33479), (28, 33608), (30, 33653), (31, 33680),

Gene: Phinky_52 Start: 36192, Stop: 37013, Start Num: 8
Candidate Starts for Phinky_52:
(1, 35358), (2, 35451), (3, 35454), (4, 35559), (5, 36003), (7, 36186), (Start: 8 @36192 has 10 MA's), (12, 36225), (14, 36270), (15, 36387), (19, 36648), (21, 36672), (22, 36711), (27, 36798), (28, 36840), (29, 36861), (30, 36885), (31, 36912), (32, 36948),

Gene: Tempo_45 Start: 33798, Stop: 34619, Start Num: 8
Candidate Starts for Tempo_45:
(7, 33792), (Start: 8 @33798 has 10 MA's), (12, 33831), (15, 33993), (16, 33999), (19, 34251), (22, 34314), (25, 34374), (27, 34401), (29, 34464), (30, 34488), (31, 34515),

Gene: Wilca_45 Start: 32951, Stop: 33772, Start Num: 8
Candidate Starts for Wilca_45:
(5, 32762), (Start: 8 @32951 has 10 MA's), (12, 32984), (14, 33029), (15, 33146), (18, 33248), (19, 33410), (21, 33434), (22, 33473), (28, 33602), (30, 33647), (31, 33674),