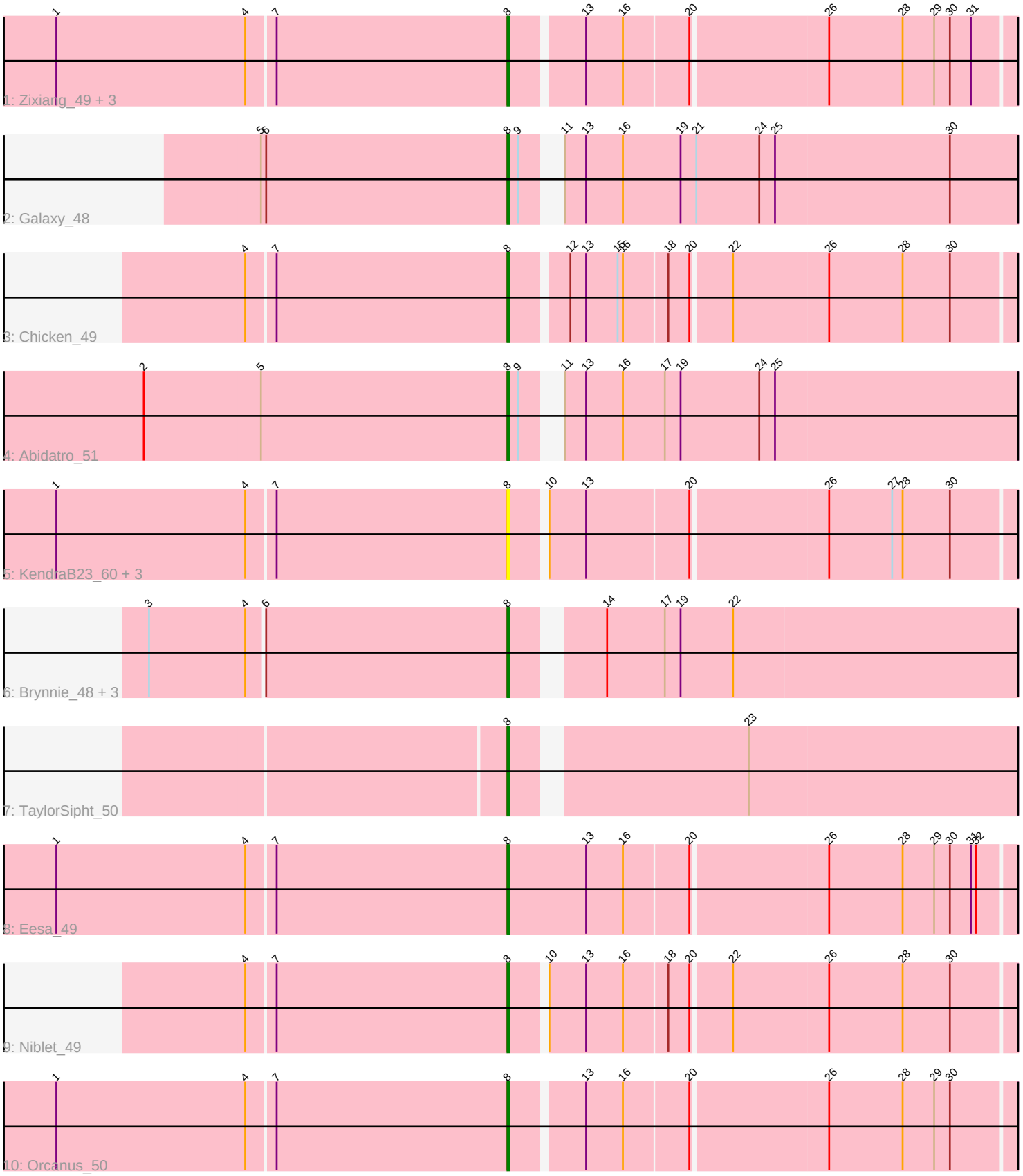
Pham 348084


1: Zixiang_49 + 3
2: Galaxy_48
3: Chicken_49
4: Abidatro_51
5: KendraB23_60 + 3
6: Brynnie_48 + 3
7: TaylorSipht_50
8: Eesa_49
9: Niblet_49
10: Orcanus_50

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 348084 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348084 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Zixiang_49, Toad24_52, Amanises_52, Shen_47
• Track 2 : Galaxy_48
• Track 3 : Chicken_49
• Track 4 : Abidatro_51
• Track 5 : KendraB23_60, Gravel_59, Westrich_58, Pelletreau_59
• Track 6 : Brynnie_48, Basilisk_49, Vulpecula_48, Ruchi_48
• Track 7 : TaylorSipht_50
• Track 8 : Eesa_49
• Track 9 : Niblet_49
• Track 10 : Orcanus_50

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abidatro_51, Amanises_52, Basilisk_49, Brynnie_48, Chicken_49, Eesa_49, Galaxy_48, Gravel_59, KendraB23_60, Niblet_49, Orcanus_50, Pelletreau_59, Ruchi_48, Shen_47, TaylorSipht_50, Toad24_52, Vulpecula_48, Westrich_58, Zixiang_49,

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 8:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Abidatro_51 (AS1), Amanises_52 (AS1), Basilisk_49 (AS1), Brynnie_48 (AS1), Chicken_49 (AS1), Eesa_49 (AS1), Galaxy_48 (AS1), Gravel_59 (AS1), KendraB23_60 (AS1), Niblet_49 (AS1), Orcanus_50 (AS1), Pelletreau_59 (AS1), Ruchi_48 (AS1), Shen_47 (AS1), TaylorSipht_50 (AS1), Toad24_52 (AS1), Vulpecula_48 (AS1), Westrich_58 (AS1), Zixiang_49 (AS1),

Summary by clusters:

There is one cluster represented in this pham: AS1

Info for manual annotations of cluster AS1:
•Start number 8 was manually annotated 15 times for cluster AS1.

Gene Information:

Gene: Abidatro_51 Start: 33285, Stop: 33560, Start Num: 8
Candidate Starts for Abidatro_51:
(2, 33078), (5, 33144), (Start: 8 @33285 has 15 MA's), (9, 33291), (11, 33303), (13, 33315), (16, 33336), (17, 33360), (19, 33369), (24, 33414), (25, 33423),

Gene: Amanises_52 Start: 34148, Stop: 34423, Start Num: 8
Candidate Starts for Amanises_52:
(1, 33893), (4, 34001), (7, 34016), (Start: 8 @34148 has 15 MA's), (13, 34187), (16, 34208), (20, 34244), (26, 34319), (28, 34361), (29, 34379), (30, 34388), (31, 34400),

Gene: Basilisk_49 Start: 32505, Stop: 32780, Start Num: 8
Candidate Starts for Basilisk_49:
(3, 32304), (4, 32358), (6, 32367), (Start: 8 @32505 has 15 MA's), (14, 32547), (17, 32580), (19, 32589), (22, 32619),

Gene: Brynnie_48 Start: 32362, Stop: 32637, Start Num: 8
Candidate Starts for Brynnie_48:
(3, 32161), (4, 32215), (6, 32224), (Start: 8 @32362 has 15 MA's), (14, 32404), (17, 32437), (19, 32446), (22, 32476),

Gene: Chicken_49 Start: 33464, Stop: 33739, Start Num: 8
Candidate Starts for Chicken_49:
(4, 33317), (7, 33332), (Start: 8 @33464 has 15 MA's), (12, 33494), (13, 33503), (15, 33521), (16, 33524), (18, 33548), (20, 33560), (22, 33581), (26, 33635), (28, 33677), (30, 33704),

Gene: Eesa_49 Start: 33873, Stop: 34154, Start Num: 8
Candidate Starts for Eesa_49:
(1, 33618), (4, 33726), (7, 33741), (Start: 8 @33873 has 15 MA's), (13, 33918), (16, 33939), (20, 33975), (26, 34050), (28, 34092), (29, 34110), (30, 34119), (31, 34131), (32, 34134),

Gene: Galaxy_48 Start: 31700, Stop: 31975, Start Num: 8
Candidate Starts for Galaxy_48:
(5, 31559), (6, 31562), (Start: 8 @31700 has 15 MA's), (9, 31706), (11, 31718), (13, 31730), (16, 31751), (19, 31784), (21, 31793), (24, 31829), (25, 31838), (30, 31937),

Gene: Gravel_59 Start: 33963, Stop: 34238, Start Num: 8

Candidate Starts for Gravel_59:
(1, 33708), (4, 33816), (7, 33831), (Start: 8 @33963 has 15 MA's), (10, 33981), (13, 34002), (20, 34059), (26, 34134), (27, 34170), (28, 34176), (30, 34203),

Gene: KendraB23_60 Start: 34149, Stop: 34424, Start Num: 8
Candidate Starts for KendraB23_60:
(1, 33894), (4, 34002), (7, 34017), (Start: 8 @34149 has 15 MA's), (10, 34167), (13, 34188), (20, 34245), (26, 34320), (27, 34356), (28, 34362), (30, 34389),

Gene: Niblet_49 Start: 33551, Stop: 33826, Start Num: 8
Candidate Starts for Niblet_49:
(4, 33404), (7, 33419), (Start: 8 @33551 has 15 MA's), (10, 33569), (13, 33590), (16, 33611), (18, 33635), (20, 33647), (22, 33668), (26, 33722), (28, 33764), (30, 33791),

Gene: Orcanus_50 Start: 33532, Stop: 33807, Start Num: 8
Candidate Starts for Orcanus_50:
(1, 33277), (4, 33385), (7, 33400), (Start: 8 @33532 has 15 MA's), (13, 33571), (16, 33592), (20, 33628), (26, 33703), (28, 33745), (29, 33763), (30, 33772),

Gene: Pelletreau_59 Start: 33963, Stop: 34238, Start Num: 8
Candidate Starts for Pelletreau_59:
(1, 33708), (4, 33816), (7, 33831), (Start: 8 @33963 has 15 MA's), (10, 33981), (13, 34002), (20, 34059), (26, 34134), (27, 34170), (28, 34176), (30, 34203),

Gene: Ruchi_48 Start: 32427, Stop: 32702, Start Num: 8
Candidate Starts for Ruchi_48:
(3, 32226), (4, 32280), (6, 32289), (Start: 8 @32427 has 15 MA's), (14, 32469), (17, 32502), (19, 32511), (22, 32541),

Gene: Shen_47 Start: 32062, Stop: 32337, Start Num: 8
Candidate Starts for Shen_47:
(1, 31807), (4, 31915), (7, 31930), (Start: 8 @32062 has 15 MA's), (13, 32101), (16, 32122), (20, 32158), (26, 32233), (28, 32275), (29, 32293), (30, 32302), (31, 32314),

Gene: TaylorSipht_50 Start: 33072, Stop: 33347, Start Num: 8
Candidate Starts for TaylorSipht_50:
(Start: 8 @33072 has 15 MA's), (23, 33195),

Gene: Toad24_52 Start: 34202, Stop: 34477, Start Num: 8
Candidate Starts for Toad24_52:
(1, 33947), (4, 34055), (7, 34070), (Start: 8 @34202 has 15 MA's), (13, 34241), (16, 34262), (20, 34298), (26, 34373), (28, 34415), (29, 34433), (30, 34442), (31, 34454),

Gene: Vulpecula_48 Start: 32087, Stop: 32362, Start Num: 8
Candidate Starts for Vulpecula_48:
(3, 31886), (4, 31940), (6, 31949), (Start: 8 @32087 has 15 MA's), (14, 32129), (17, 32162), (19, 32171), (22, 32201),

Gene: Westrich_58 Start: 33887, Stop: 34162, Start Num: 8
Candidate Starts for Westrich_58:
(1, 33632), (4, 33740), (7, 33755), (Start: 8 @33887 has 15 MA's), (10, 33905), (13, 33926), (20, 33983), (26, 34058), (27, 34094), (28, 34100), (30, 34127),

Gene: Zixiang_49 Start: 33566, Stop: 33841, Start Num: 8
Candidate Starts for Zixiang_49:
(1, 33311), (4, 33419), (7, 33434), (Start: 8 @33566 has 15 MA's), (13, 33605), (16, 33626), (20, 33662), (26, 33737), (28, 33779), (29, 33797), (30, 33806), (31, 33818),