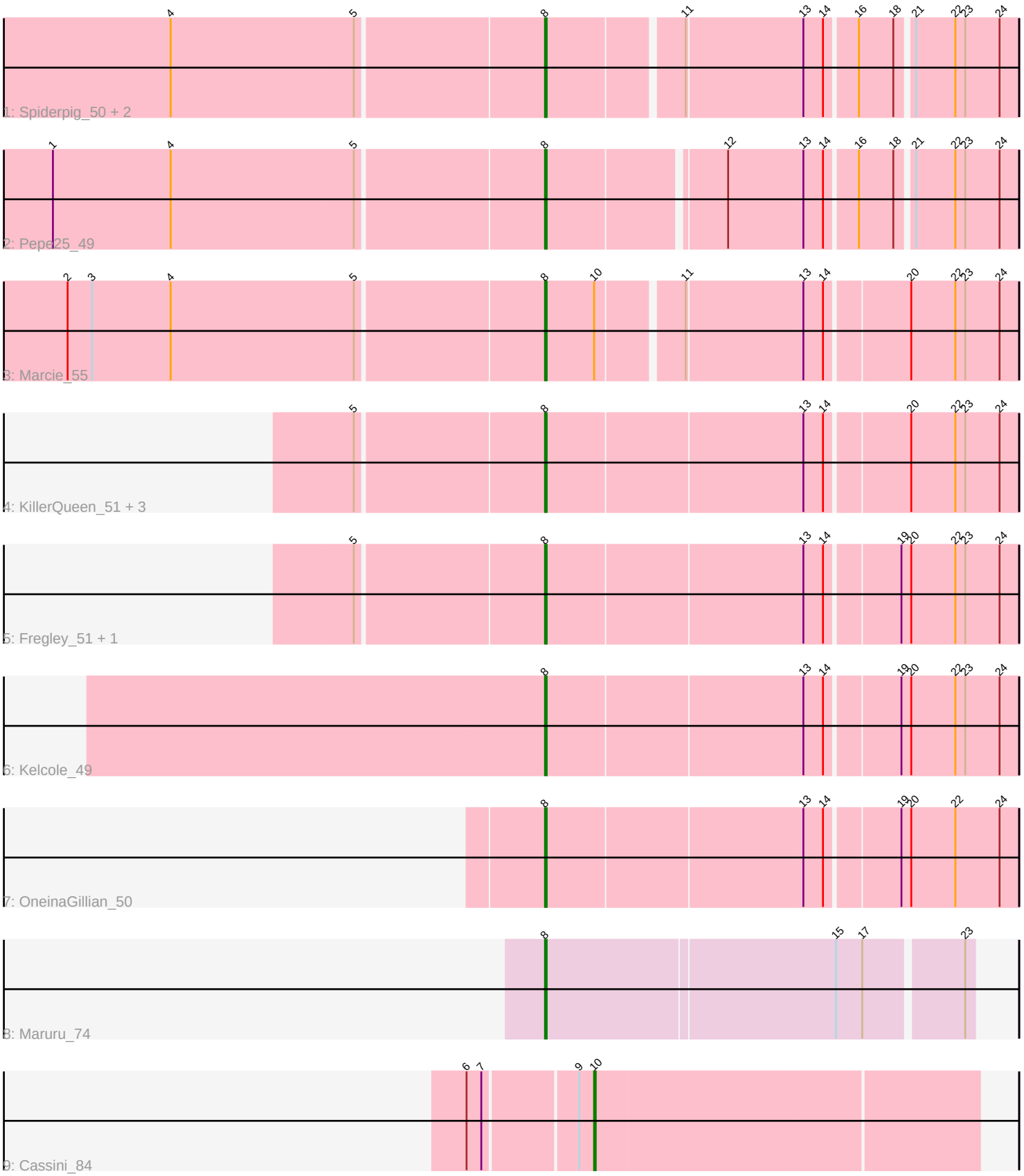
Pham 348145


4
5
8
11
13
14
16
18
21
22
23
24
1: Spiderpig_50 + 2
1
4
5
8
12
13
14
16
18
21
22
23
24
2: Pepe25_49
2
3
4
5
8
10
11
13
14
20
22
23
24
3: Marcie_55
5
8
13
14
20
22
23
24
4: KillerQueen_51 + 3
5
8
13
14
19
20
22
23
24
5: Fregley_51 + 1
8
13
14
19
20
22
23
24
6: Kelcole_49
8
13
14
19
20
22
24
7: OneinaGillian_50
8
15
17
23
8: Maruru_74
6
7
9
10
9: Cassini_84

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 348145 Report

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

Pham number 348145 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Spiderpig_50, Wilca_50, BirdInFrench_50
• Track 2 : Pepe25_49
• Track 3 : Marcie_55
• Track 4 : KillerQueen_51, CandC_49, Romm_52, RobinRose_52
• Track 5 : Fregley_51, Tempo_50
• Track 6 : Kelcole_49
• Track 7 : OneinaGillian_50
• Track 8 : Maruru_74
• Track 9 : Cassini_84

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_50, CandC_49, Fregley_51, Kelcole_49, KillerQueen_51, Marcie_55, Maruru_74, OneinaGillian_50, Pepe25_49, RobinRose_52, Romm_52, Spiderpig_50, Tempo_50, Wilca_50,

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

Genes that do not have the "Most Annotated" start:
• Cassini_84,

Summary by start number:

Start 8:
• Found in 14 of 15 (93.3%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdInFrench_50 (EG), CandC_49 (EG), Fregley_51 (EG), Kelcole_49 (EG), KillerQueen_51 (EG), Marcie_55 (EG),

Maruru_74 (FG), OneinaGillian_50 (EG), Pepe25_49 (EG), RobinRose_52 (EG), Romm_52 (EG), Spiderpig_50 (EG), Tempo_50 (EG), Wilca_50 (EG),

Start 10:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Cassini_84 (FN),

Summary by clusters:

There are 3 clusters represented in this pham: EG, FN, FG,

Info for manual annotations of cluster EG:
•Start number 8 was manually annotated 11 times for cluster EG.

Info for manual annotations of cluster FG:
•Start number 8 was manually annotated 1 time for cluster FG.

Info for manual annotations of cluster FN:
•Start number 10 was manually annotated 1 time for cluster FN.

Gene Information:

Gene: BirdInFrench_50 Start: 35488, Stop: 35219, Start Num: 8
Candidate Starts for BirdInFrench_50:
(4, 35710), (5, 35599), (Start: 8 @35488 has 12 MA's), (11, 35410), (13, 35341), (14, 35329), (16, 35311), (18, 35290), (21, 35281), (22, 35257), (23, 35251), (24, 35230),

Gene: CandC_49 Start: 35861, Stop: 35583, Start Num: 8
Candidate Starts for CandC_49:
(5, 35972), (Start: 8 @35861 has 12 MA's), (13, 35708), (14, 35696), (20, 35648), (22, 35621), (23, 35615), (24, 35594),

Gene: Cassini_84 Start: 48461, Stop: 48691, Start Num: 10
Candidate Starts for Cassini_84:
(6, 48389), (7, 48398), (9, 48452), (Start: 10 @48461 has 1 MA's),

Gene: Fregley_51 Start: 36422, Stop: 36144, Start Num: 8
Candidate Starts for Fregley_51:
(5, 36533), (Start: 8 @36422 has 12 MA's), (13, 36269), (14, 36257), (19, 36215), (20, 36209), (22, 36182), (23, 36176), (24, 36155),

Gene: Kelcole_49 Start: 36313, Stop: 36035, Start Num: 8
Candidate Starts for Kelcole_49:
(Start: 8 @36313 has 12 MA's), (13, 36160), (14, 36148), (19, 36106), (20, 36100), (22, 36073), (23, 36067), (24, 36046),

Gene: KillerQueen_51 Start: 36305, Stop: 36027, Start Num: 8
Candidate Starts for KillerQueen_51:

(5, 36416), (Start: 8 @36305 has 12 MA's), (13, 36152), (14, 36140), (20, 36092), (22, 36065), (23, 36059), (24, 36038),

Gene: Marcie_55 Start: 36924, Stop: 36652, Start Num: 8
Candidate Starts for Marcie_55:
(2, 37209), (3, 37194), (4, 37146), (5, 37035), (Start: 8 @36924 has 12 MA's), (Start: 10 @36894 has 1 MA's), (11, 36846), (13, 36777), (14, 36765), (20, 36717), (22, 36690), (23, 36684), (24, 36663),

Gene: Maruru_74 Start: 47670, Stop: 47918, Start Num: 8
Candidate Starts for Maruru_74:
(Start: 8 @47670 has 12 MA's), (15, 47841), (17, 47856), (23, 47913),

Gene: OneinaGillian_50 Start: 35958, Stop: 35680, Start Num: 8
Candidate Starts for OneinaGillian_50:
(Start: 8 @35958 has 12 MA's), (13, 35805), (14, 35793), (19, 35751), (20, 35745), (22, 35718), (24, 35691),

Gene: Pepe25_49 Start: 35500, Stop: 35231, Start Num: 8
Candidate Starts for Pepe25_49:
(1, 35794), (4, 35722), (5, 35611), (Start: 8 @35500 has 12 MA's), (12, 35398), (13, 35353), (14, 35341), (16, 35323), (18, 35302), (21, 35293), (22, 35269), (23, 35263), (24, 35242),

Gene: RobinRose_52 Start: 36467, Stop: 36189, Start Num: 8
Candidate Starts for RobinRose_52:
(5, 36578), (Start: 8 @36467 has 12 MA's), (13, 36314), (14, 36302), (20, 36254), (22, 36227), (23, 36221), (24, 36200),

Gene: Romm_52 Start: 36467, Stop: 36189, Start Num: 8
Candidate Starts for Romm_52:
(5, 36578), (Start: 8 @36467 has 12 MA's), (13, 36314), (14, 36302), (20, 36254), (22, 36227), (23, 36221), (24, 36200),

Gene: Spiderpig_50 Start: 35477, Stop: 35208, Start Num: 8
Candidate Starts for Spiderpig_50:
(4, 35699), (5, 35588), (Start: 8 @35477 has 12 MA's), (11, 35399), (13, 35330), (14, 35318), (16, 35300), (18, 35279), (21, 35270), (22, 35246), (23, 35240), (24, 35219),

Gene: Tempo_50 Start: 36346, Stop: 36068, Start Num: 8
Candidate Starts for Tempo_50:
(5, 36457), (Start: 8 @36346 has 12 MA's), (13, 36193), (14, 36181), (19, 36139), (20, 36133), (22, 36106), (23, 36100), (24, 36079),

Gene: Wilca_50 Start: 35488, Stop: 35219, Start Num: 8
Candidate Starts for Wilca_50:
(4, 35710), (5, 35599), (Start: 8 @35488 has 12 MA's), (11, 35410), (13, 35341), (14, 35329), (16, 35311), (18, 35290), (21, 35281), (22, 35257), (23, 35251), (24, 35230),