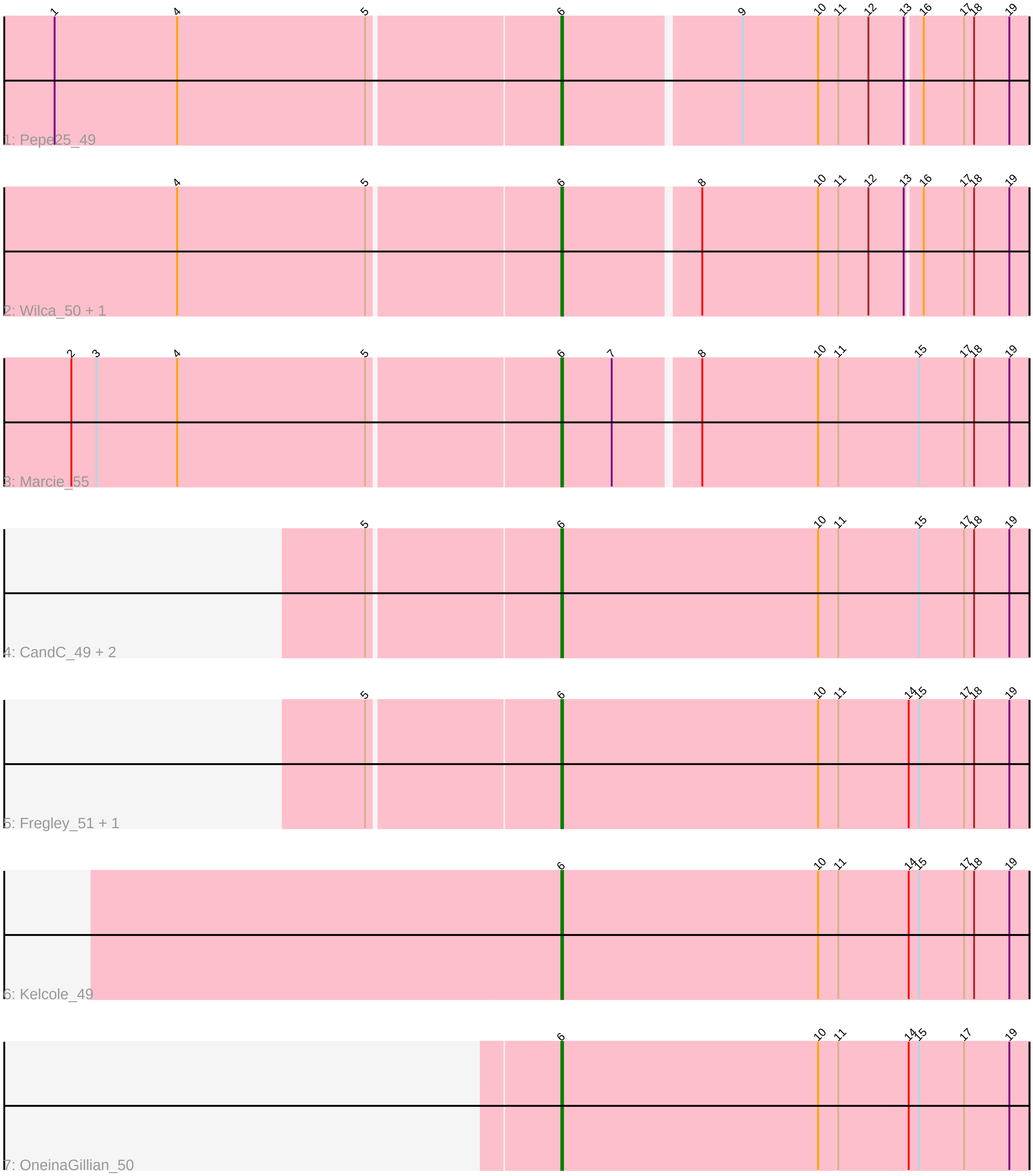
Pham 221982


1: Pepe25_49
2: Wilca_50 + 1
3: Marcie_55
4: CandC_49 + 2
5: Fregley_51 + 1
6: Kelcole_49
7: OneinaGillian_50
1
2
3
4
5
6
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19

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 221982 Report

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

Pham number 221982 has 11 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Pepe25_49
- Track 2 : Wilca_50, BirdInFrench_50
- Track 3 : Marcie_55
- Track 4 : CandC_49, Romm_52, RobinRose_52
- Track 5 : Fregley_51, Tempo_50
- Track 6 : Kelcole_49
- Track 7 : OneinaGillian_50

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- BirdInFrench_50, CandC_49, Fregley_51, Kelcole_49, Marcie_55, OneinaGillian_50, Pepe25_49, RobinRose_52, Romm_52, 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:
-

Summary by start number:

Start 6:
- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- 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), Marcie_55 (EG), OneinaGillian_50 (EG), Pepe25_49 (EG), RobinRose_52 (EG), Romm_52 (EG), Tempo_50 (EG), Wilca_50 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 6 was manually annotated 10 times for cluster EG.

Gene Information:

Gene: BirdInFrench_50 Start: 35488, Stop: 35219, Start Num: 6
Candidate Starts for BirdInFrench_50:
(4, 35710), (5, 35599), (Start: 6 @35488 has 10 MA's), (8, 35410), (10, 35341), (11, 35329), (12, 35311), (13, 35290), (16, 35281), (17, 35257), (18, 35251), (19, 35230),

Gene: CandC_49 Start: 35861, Stop: 35583, Start Num: 6
Candidate Starts for CandC_49:
(5, 35972), (Start: 6 @35861 has 10 MA's), (10, 35708), (11, 35696), (15, 35648), (17, 35621), (18, 35615), (19, 35594),

Gene: Fregley_51 Start: 36422, Stop: 36144, Start Num: 6
Candidate Starts for Fregley_51:
(5, 36533), (Start: 6 @36422 has 10 MA's), (10, 36269), (11, 36257), (14, 36215), (15, 36209), (17, 36182), (18, 36176), (19, 36155),

Gene: Kelcole_49 Start: 36313, Stop: 36035, Start Num: 6
Candidate Starts for Kelcole_49:
(Start: 6 @36313 has 10 MA's), (10, 36160), (11, 36148), (14, 36106), (15, 36100), (17, 36073), (18, 36067), (19, 36046),

Gene: Marcie_55 Start: 36924, Stop: 36652, Start Num: 6
Candidate Starts for Marcie_55:
(2, 37209), (3, 37194), (4, 37146), (5, 37035), (Start: 6 @36924 has 10 MA's), (7, 36894), (8, 36846), (10, 36777), (11, 36765), (15, 36717), (17, 36690), (18, 36684), (19, 36663),

Gene: OneinaGillian_50 Start: 35958, Stop: 35680, Start Num: 6
Candidate Starts for OneinaGillian_50:
(Start: 6 @35958 has 10 MA's), (10, 35805), (11, 35793), (14, 35751), (15, 35745), (17, 35718), (19, 35691),

Gene: Pepe25_49 Start: 35500, Stop: 35231, Start Num: 6
Candidate Starts for Pepe25_49:
(1, 35794), (4, 35722), (5, 35611), (Start: 6 @35500 has 10 MA's), (9, 35398), (10, 35353), (11, 35341), (12, 35323), (13, 35302), (16, 35293), (17, 35269), (18, 35263), (19, 35242),

Gene: RobinRose_52 Start: 36467, Stop: 36189, Start Num: 6
Candidate Starts for RobinRose_52:
(5, 36578), (Start: 6 @36467 has 10 MA's), (10, 36314), (11, 36302), (15, 36254), (17, 36227), (18, 36221), (19, 36200),

Gene: Romm_52 Start: 36467, Stop: 36189, Start Num: 6
Candidate Starts for Romm_52:

(5, 36578), (Start: 6 @36467 has 10 MA's), (10, 36314), (11, 36302), (15, 36254), (17, 36227), (18, 36221), (19, 36200),

Gene: Tempo_50 Start: 36346, Stop: 36068, Start Num: 6
Candidate Starts for Tempo_50:
(5, 36457), (Start: 6 @36346 has 10 MA's), (10, 36193), (11, 36181), (14, 36139), (15, 36133), (17, 36106), (18, 36100), (19, 36079),

Gene: Wilca_50 Start: 35488, Stop: 35219, Start Num: 6
Candidate Starts for Wilca_50:
(4, 35710), (5, 35599), (Start: 6 @35488 has 10 MA's), (8, 35410), (10, 35341), (11, 35329), (12, 35311), (13, 35290), (16, 35281), (17, 35257), (18, 35251), (19, 35230),