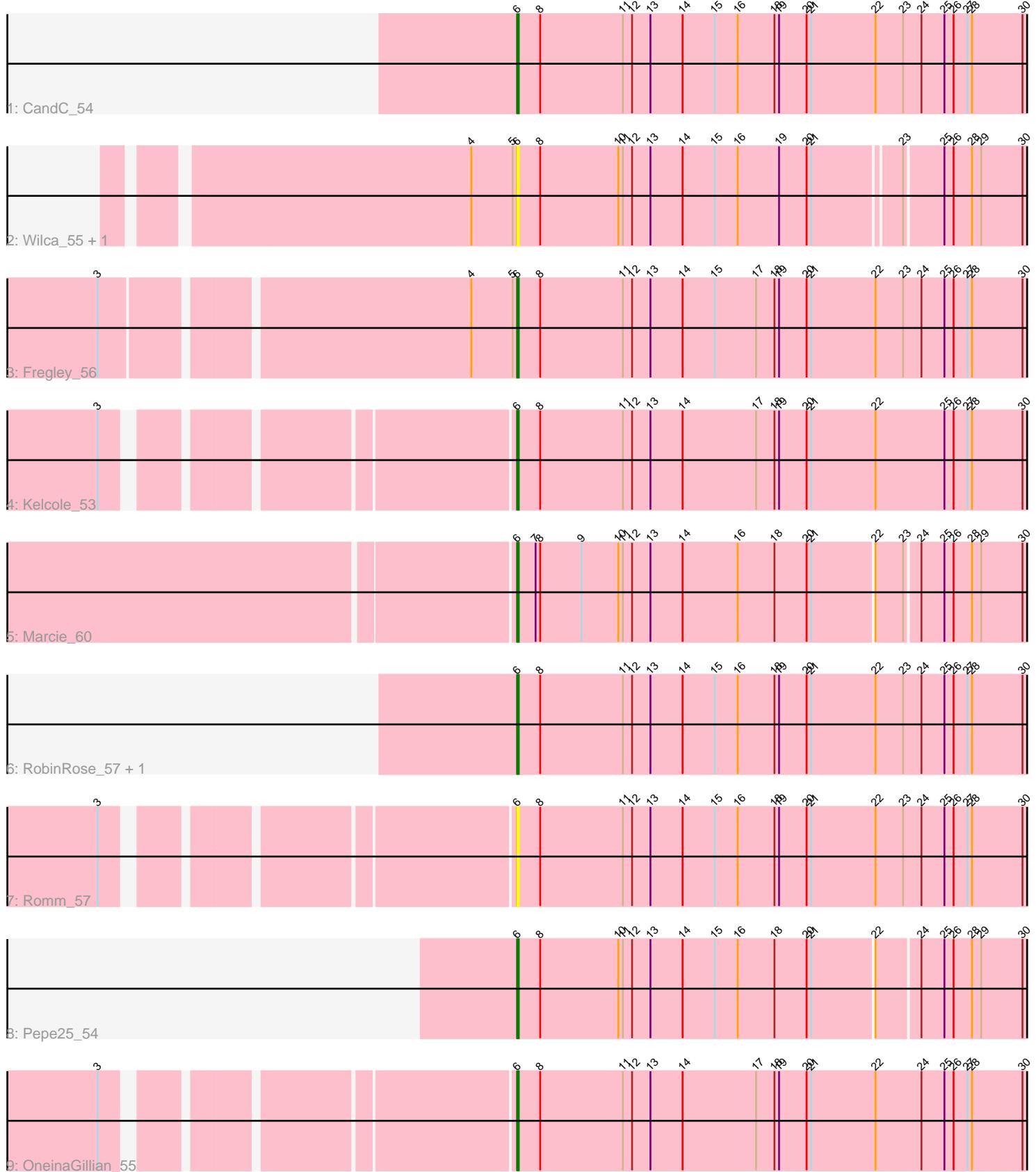


Zoomed Pham 6802



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 6802 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6802 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : CandC_54
- Track 2 : Wilca_55, BirdInFrench_55
- Track 3 : Fregley_56
- Track 4 : Kelcole_53
- Track 5 : Marcie_60
- Track 6 : RobinRose_57, Tempo_55
- Track 7 : Romm_57
- Track 8 : Pepe25_54
- Track 9 : OneinaGillian_55

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirdInFrench_55, CandC_54, Fregley_56, Kelcole_53, Marcie_60, OneinaGillian_55, Pepe25_54, RobinRose_57, Romm_57, Tempo_55, Wilca_55,

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: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BirdInFrench_55 (EG), CandC_54 (EG), Fregley_56 (EG), Kelcole_53 (EG), Marcie_60 (EG), OneinaGillian_55 (EG), Pepe25_54 (EG), RobinRose_57 (EG), Romm_57 (EG), Tempo_55 (EG), Wilca_55

(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 8 times for cluster EG.

Gene Information:

Gene: BirdInFrench_55 Start: 37787, Stop: 37329, Start Num: 6

Candidate Starts for BirdInFrench_55:

(4, 37817), (5, 37790), (Start: 6 @37787 has 8 MA's), (8, 37772), (10, 37721), (11, 37718), (12, 37712), (13, 37700), (14, 37679), (15, 37658), (16, 37643), (19, 37616), (20, 37598), (21, 37595), (23, 37541), (25, 37517), (26, 37511), (28, 37499), (29, 37493), (30, 37466), (31, 37454), (33, 37436),

Gene: CandC_54 Start: 37433, Stop: 36966, Start Num: 6

Candidate Starts for CandC_54:

(Start: 6 @37433 has 8 MA's), (8, 37418), (11, 37364), (12, 37358), (13, 37346), (14, 37325), (15, 37304), (16, 37289), (18, 37265), (19, 37262), (20, 37244), (21, 37241), (22, 37199), (23, 37181), (24, 37169), (25, 37154), (26, 37148), (27, 37139), (28, 37136), (30, 37103), (31, 37091), (34, 37001),

Gene: Fregley_56 Start: 37994, Stop: 37527, Start Num: 6

Candidate Starts for Fregley_56:

(1, 38387), (2, 38333), (3, 38249), (4, 38024), (5, 37997), (Start: 6 @37994 has 8 MA's), (8, 37979), (11, 37925), (12, 37919), (13, 37907), (14, 37886), (15, 37865), (17, 37838), (18, 37826), (19, 37823), (20, 37805), (21, 37802), (22, 37760), (23, 37742), (24, 37730), (25, 37715), (26, 37709), (27, 37700), (28, 37697), (30, 37664), (31, 37652), (32, 37640), (34, 37562),

Gene: Kelcole_53 Start: 37628, Stop: 37161, Start Num: 6

Candidate Starts for Kelcole_53:

(3, 37865), (Start: 6 @37628 has 8 MA's), (8, 37613), (11, 37559), (12, 37553), (13, 37541), (14, 37520), (17, 37472), (18, 37460), (19, 37457), (20, 37439), (21, 37436), (22, 37394), (25, 37349), (26, 37343), (27, 37334), (28, 37331), (30, 37298), (31, 37286), (32, 37274), (34, 37196),

Gene: Marcie_60 Start: 38491, Stop: 38030, Start Num: 6

Candidate Starts for Marcie_60:

(Start: 6 @38491 has 8 MA's), (7, 38479), (8, 38476), (9, 38449), (10, 38425), (11, 38422), (12, 38416), (13, 38404), (14, 38383), (16, 38347), (18, 38323), (20, 38302), (21, 38299), (22, 38260), (23, 38242), (24, 38233), (25, 38218), (26, 38212), (28, 38200), (29, 38194), (30, 38167), (31, 38155), (33, 38137),

Gene: OneinaGillian_55 Start: 37530, Stop: 37063, Start Num: 6

Candidate Starts for OneinaGillian_55:

(3, 37767), (Start: 6 @37530 has 8 MA's), (8, 37515), (11, 37461), (12, 37455), (13, 37443), (14, 37422), (17, 37374), (18, 37362), (19, 37359), (20, 37341), (21, 37338), (22, 37296), (24, 37266), (25, 37251), (26, 37245), (27, 37236), (28, 37233), (30, 37200), (31, 37188), (32, 37176), (34, 37098),

Gene: Pepe25_54 Start: 37064, Stop: 36603, Start Num: 6

Candidate Starts for Pepe25_54:

(Start: 6 @37064 has 8 MA's), (8, 37049), (10, 36998), (11, 36995), (12, 36989), (13, 36977), (14, 36956), (15, 36935), (16, 36920), (18, 36896), (20, 36875), (21, 36872), (22, 36833), (24, 36806), (25, 36791), (26, 36785), (28, 36773), (29, 36767), (30, 36740), (31, 36728), (33, 36710),

Gene: RobinRose_57 Start: 38039, Stop: 37572, Start Num: 6

Candidate Starts for RobinRose_57:

(Start: 6 @38039 has 8 MA's), (8, 38024), (11, 37970), (12, 37964), (13, 37952), (14, 37931), (15, 37910), (16, 37895), (18, 37871), (19, 37868), (20, 37850), (21, 37847), (22, 37805), (23, 37787), (24, 37775), (25, 37760), (26, 37754), (27, 37745), (28, 37742), (30, 37709), (31, 37697), (32, 37685), (34, 37607),

Gene: Romm_57 Start: 38039, Stop: 37572, Start Num: 6

Candidate Starts for Romm_57:

(3, 38276), (Start: 6 @38039 has 8 MA's), (8, 38024), (11, 37970), (12, 37964), (13, 37952), (14, 37931), (15, 37910), (16, 37895), (18, 37871), (19, 37868), (20, 37850), (21, 37847), (22, 37805), (23, 37787), (24, 37775), (25, 37760), (26, 37754), (27, 37745), (28, 37742), (30, 37709), (31, 37697), (32, 37685), (34, 37607),

Gene: Tempo_55 Start: 37919, Stop: 37452, Start Num: 6

Candidate Starts for Tempo_55:

(Start: 6 @37919 has 8 MA's), (8, 37904), (11, 37850), (12, 37844), (13, 37832), (14, 37811), (15, 37790), (16, 37775), (18, 37751), (19, 37748), (20, 37730), (21, 37727), (22, 37685), (23, 37667), (24, 37655), (25, 37640), (26, 37634), (27, 37625), (28, 37622), (30, 37589), (31, 37577), (32, 37565), (34, 37487),

Gene: Wilca_55 Start: 37787, Stop: 37329, Start Num: 6

Candidate Starts for Wilca_55:

(4, 37817), (5, 37790), (Start: 6 @37787 has 8 MA's), (8, 37772), (10, 37721), (11, 37718), (12, 37712), (13, 37700), (14, 37679), (15, 37658), (16, 37643), (19, 37616), (20, 37598), (21, 37595), (23, 37541), (25, 37517), (26, 37511), (28, 37499), (29, 37493), (30, 37466), (31, 37454), (33, 37436),