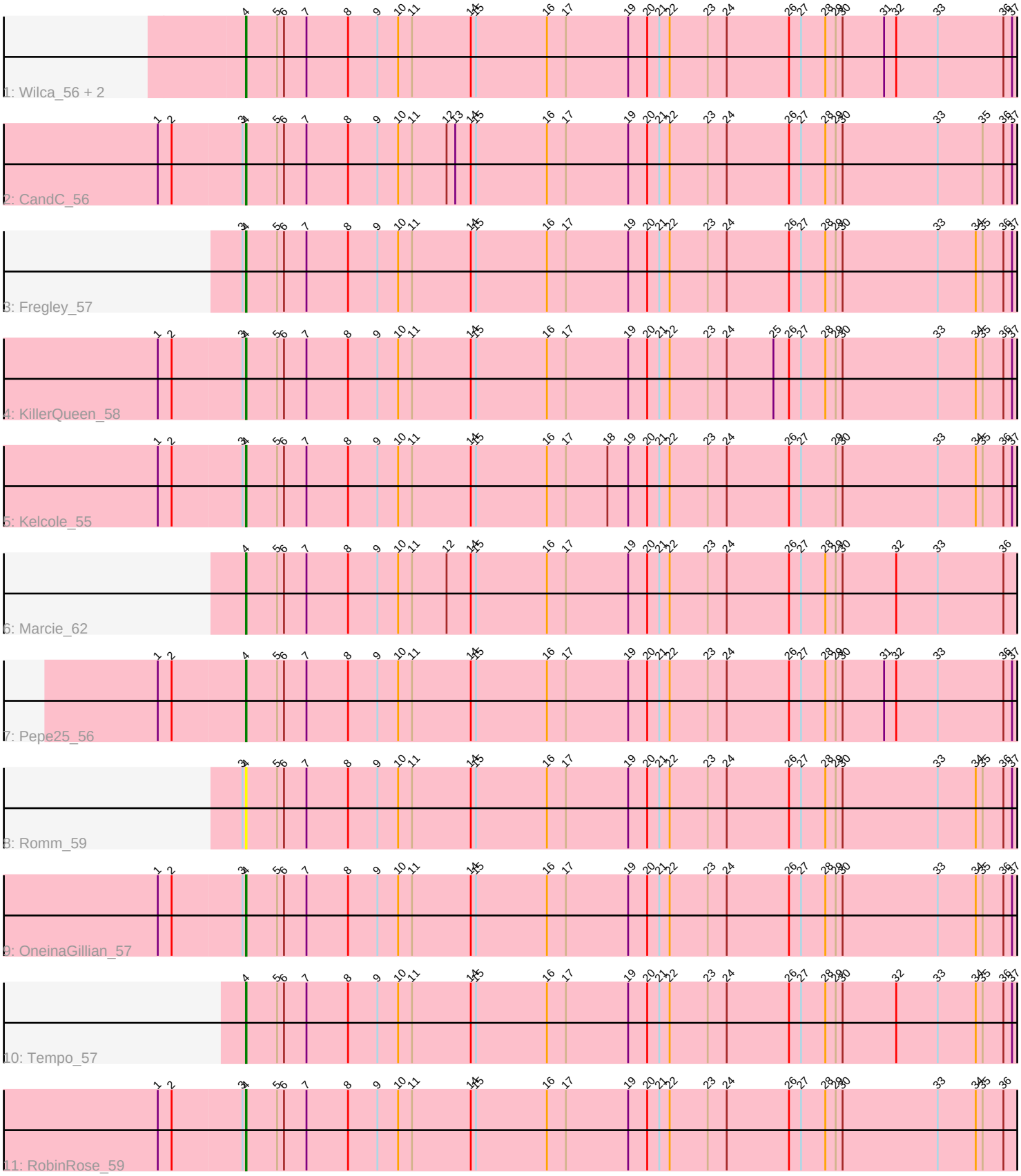
Zoomed Pham 348176



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 348176 Report

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

Pham number 348176 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wilca_56, Spiderpig_56, BirdInFrench_56
• Track 2 : CandC_56
• Track 3 : Fregley_57
• Track 4 : KillerQueen_58
• Track 5 : Kelcole_55
• Track 6 : Marcie_62
• Track 7 : Pepe25_56
• Track 8 : Romm_59
• Track 9 : OneinaGillian_57
• Track 10 : Tempo_57
• Track 11 : RobinRose_59

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

The start number called the most often in the published annotations is 4, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BirdInFrench_56, CandC_56, Fregley_57, Kelcole_55, KillerQueen_58, Marcie_62, OneinaGillian_57, Pepe25_56, RobinRose_59, Romm_59, Spiderpig_56, Tempo_57, Wilca_56,

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 4:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BirdInFrench_56 (EG), CandC_56 (EG), Fregley_57 (EG), Kelcole_55 (EG), KillerQueen_58 (EG), Marcie_62 (EG), OneinaGillian_57 (EG), Pepe25_56 (EG), RobinRose_59 (EG), Romm_59 (EG), Spiderpig_56 (EG), Tempo_57 (EG), Wilca_56 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 4 was manually annotated 11 times for cluster EG.

Gene Information:

Gene: BirdInFrench_56 Start: 39724, Stop: 37787, Start Num: 4
Candidate Starts for BirdInFrench_56:
(Start: 4 @39724 has 11 MA's), (5, 39670), (6, 39658), (7, 39619), (8, 39547), (9, 39496), (10, 39460), (11, 39436), (14, 39334), (15, 39325), (16, 39202), (17, 39169), (19, 39061), (20, 39028), (21, 39007), (22, 38989), (23, 38923), (24, 38890), (26, 38782), (27, 38761), (28, 38719), (29, 38701), (30, 38689), (31, 38617), (32, 38596), (33, 38524), (36, 38410), (37, 38395), (41, 38287), (42, 38272), (43, 38254), (44, 38134), (45, 38128), (53, 37858), (56, 37792),

Gene: CandC_56 Start: 39618, Stop: 37729, Start Num: 4
Candidate Starts for CandC_56:
(1, 39765), (2, 39741), (3, 39621), (Start: 4 @39618 has 11 MA's), (5, 39564), (6, 39552), (7, 39513), (8, 39441), (9, 39390), (10, 39354), (11, 39330), (12, 39270), (13, 39255), (14, 39228), (15, 39219), (16, 39096), (17, 39063), (19, 38955), (20, 38922), (21, 38901), (22, 38883), (23, 38817), (24, 38784), (26, 38676), (27, 38655), (28, 38613), (29, 38595), (30, 38583), (33, 38418), (35, 38340), (36, 38304), (37, 38289), (38, 38250), (42, 38157), (43, 38139), (49, 37893), (50, 37890), (51, 37824), (54, 37791), (56, 37734),

Gene: Fregley_57 Start: 39883, Stop: 37994, Start Num: 4
Candidate Starts for Fregley_57:
(3, 39886), (Start: 4 @39883 has 11 MA's), (5, 39829), (6, 39817), (7, 39778), (8, 39706), (9, 39655), (10, 39619), (11, 39595), (14, 39493), (15, 39484), (16, 39361), (17, 39328), (19, 39220), (20, 39187), (21, 39166), (22, 39148), (23, 39082), (24, 39049), (26, 38941), (27, 38920), (28, 38878), (29, 38860), (30, 38848), (33, 38683), (34, 38617), (35, 38605), (36, 38569), (37, 38554), (38, 38515), (42, 38422), (43, 38404), (49, 38158), (51, 38089), (52, 38083), (54, 38056), (56, 37999),

Gene: Kelcole_55 Start: 39846, Stop: 37921, Start Num: 4
Candidate Starts for Kelcole_55:
(1, 39993), (2, 39969), (3, 39849), (Start: 4 @39846 has 11 MA's), (5, 39792), (6, 39780), (7, 39741), (8, 39669), (9, 39618), (10, 39582), (11, 39558), (14, 39456), (15, 39447), (16, 39324), (17, 39291), (18, 39219), (19, 39183), (20, 39150), (21, 39129), (22, 39111), (23, 39045), (24, 39012), (26, 38904), (27, 38883), (29, 38823), (30, 38811), (33, 38646), (34, 38580), (35, 38568), (36, 38532), (37, 38517), (42, 38394), (43, 38376), (48, 38121), (49, 38085), (51, 38016), (54, 37983), (56, 37926),

Gene: KillerQueen_58 Start: 40096, Stop: 38171, Start Num: 4
Candidate Starts for KillerQueen_58:
(1, 40243), (2, 40219), (3, 40099), (Start: 4 @40096 has 11 MA's), (5, 40042), (6, 40030), (7, 39991), (8, 39919), (9, 39868), (10, 39832), (11, 39808), (14, 39706), (15, 39697), (16, 39574), (17, 39541),

(19, 39433), (20, 39400), (21, 39379), (22, 39361), (23, 39295), (24, 39262), (25, 39181), (26, 39154), (27, 39133), (28, 39091), (29, 39073), (30, 39061), (33, 38896), (34, 38830), (35, 38818), (36, 38782), (37, 38767), (42, 38644), (43, 38626), (48, 38371), (49, 38335), (51, 38266), (52, 38260), (54, 38233), (56, 38176),

Gene: Marcie_62 Start: 40742, Stop: 38811, Start Num: 4
Candidate Starts for Marcie_62:
(Start: 4 @40742 has 11 MA's), (5, 40688), (6, 40676), (7, 40637), (8, 40565), (9, 40514), (10, 40478), (11, 40454), (12, 40394), (14, 40352), (15, 40343), (16, 40220), (17, 40187), (19, 40079), (20, 40046), (21, 40025), (22, 40007), (23, 39941), (24, 39908), (26, 39800), (27, 39779), (28, 39737), (29, 39719), (30, 39707), (32, 39614), (33, 39542), (36, 39428), (38, 39374), (42, 39284), (43, 39266), (46, 39134), (47, 39113), (51, 38906), (53, 38882), (56, 38816),

Gene: OneinaGillian_57 Start: 39748, Stop: 37823, Start Num: 4
Candidate Starts for OneinaGillian_57:
(1, 39895), (2, 39871), (3, 39751), (Start: 4 @39748 has 11 MA's), (5, 39694), (6, 39682), (7, 39643), (8, 39571), (9, 39520), (10, 39484), (11, 39460), (14, 39358), (15, 39349), (16, 39226), (17, 39193), (19, 39085), (20, 39052), (21, 39031), (22, 39013), (23, 38947), (24, 38914), (26, 38806), (27, 38785), (28, 38743), (29, 38725), (30, 38713), (33, 38548), (34, 38482), (35, 38470), (36, 38434), (37, 38419), (42, 38296), (43, 38278), (48, 38023), (49, 37987), (51, 37918), (52, 37912), (54, 37885), (56, 37828),

Gene: Pepe25_56 Start: 39306, Stop: 37387, Start Num: 4
Candidate Starts for Pepe25_56:
(1, 39456), (2, 39432), (Start: 4 @39306 has 11 MA's), (5, 39252), (6, 39240), (7, 39201), (8, 39129), (9, 39078), (10, 39042), (11, 39018), (14, 38916), (15, 38907), (16, 38784), (17, 38751), (19, 38643), (20, 38610), (21, 38589), (22, 38571), (23, 38505), (24, 38472), (26, 38364), (27, 38343), (28, 38301), (29, 38283), (30, 38271), (31, 38199), (32, 38178), (33, 38106), (36, 37992), (37, 37977), (41, 37869), (42, 37854), (43, 37836), (44, 37716), (51, 37482), (53, 37458), (55, 37401), (56, 37392),

Gene: RobinRose_59 Start: 40260, Stop: 38335, Start Num: 4
Candidate Starts for RobinRose_59:
(1, 40407), (2, 40383), (3, 40263), (Start: 4 @40260 has 11 MA's), (5, 40206), (6, 40194), (7, 40155), (8, 40083), (9, 40032), (10, 39996), (11, 39972), (14, 39870), (15, 39861), (16, 39738), (17, 39705), (19, 39597), (20, 39564), (21, 39543), (22, 39525), (23, 39459), (24, 39426), (26, 39318), (27, 39297), (28, 39255), (29, 39237), (30, 39225), (33, 39060), (34, 38994), (35, 38982), (36, 38946), (42, 38808), (43, 38790), (48, 38535), (49, 38499), (51, 38430), (54, 38397), (56, 38340),

Gene: Romm_59 Start: 40257, Stop: 38332, Start Num: 4
Candidate Starts for Romm_59:
(3, 40260), (Start: 4 @40257 has 11 MA's), (5, 40203), (6, 40191), (7, 40152), (8, 40080), (9, 40029), (10, 39993), (11, 39969), (14, 39867), (15, 39858), (16, 39735), (17, 39702), (19, 39594), (20, 39561), (21, 39540), (22, 39522), (23, 39456), (24, 39423), (26, 39315), (27, 39294), (28, 39252), (29, 39234), (30, 39222), (33, 39057), (34, 38991), (35, 38979), (36, 38943), (37, 38928), (42, 38805), (43, 38787), (48, 38532), (49, 38496), (51, 38427), (52, 38421), (54, 38394), (56, 38337),

Gene: Spiderpig_56 Start: 39713, Stop: 37776, Start Num: 4
Candidate Starts for Spiderpig_56:
(Start: 4 @39713 has 11 MA's), (5, 39659), (6, 39647), (7, 39608), (8, 39536), (9, 39485), (10, 39449), (11, 39425), (14, 39323), (15, 39314), (16, 39191), (17, 39158), (19, 39050), (20, 39017), (21, 38996), (22, 38978), (23, 38912), (24, 38879), (26, 38771), (27, 38750), (28, 38708), (29, 38690), (30, 38678), (31, 38606), (32, 38585), (33, 38513), (36, 38399), (37, 38384), (41, 38276), (42, 38261), (43, 38243), (44, 38123), (45, 38117), (53, 37847), (56, 37781),

Gene: Tempo_57 Start: 40122, Stop: 38215, Start Num: 4
Candidate Starts for Tempo_57:
(Start: 4 @40122 has 11 MA's), (5, 40068), (6, 40056), (7, 40017), (8, 39945), (9, 39894), (10, 39858), (11, 39834), (14, 39732), (15, 39723), (16, 39600), (17, 39567), (19, 39459), (20, 39426), (21, 39405), (22, 39387), (23, 39321), (24, 39288), (26, 39180), (27, 39159), (28, 39117), (29, 39099), (30, 39087), (32, 38994), (33, 38922), (34, 38856), (35, 38844), (36, 38808), (37, 38793), (39, 38721), (40, 38706), (42, 38643), (49, 38379), (51, 38310), (52, 38304), (54, 38277), (56, 38220),

Gene: Wilca_56 Start: 39724, Stop: 37787, Start Num: 4
Candidate Starts for Wilca_56:
(Start: 4 @39724 has 11 MA's), (5, 39670), (6, 39658), (7, 39619), (8, 39547), (9, 39496), (10, 39460), (11, 39436), (14, 39334), (15, 39325), (16, 39202), (17, 39169), (19, 39061), (20, 39028), (21, 39007), (22, 38989), (23, 38923), (24, 38890), (26, 38782), (27, 38761), (28, 38719), (29, 38701), (30, 38689), (31, 38617), (32, 38596), (33, 38524), (36, 38410), (37, 38395), (41, 38287), (42, 38272), (43, 38254), (44, 38134), (45, 38128), (53, 37858), (56, 37792),