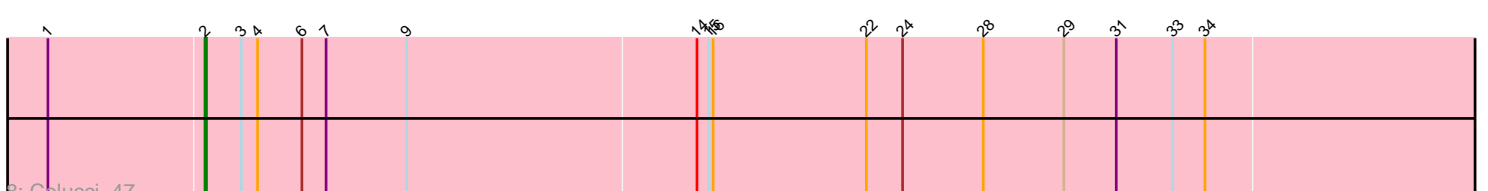
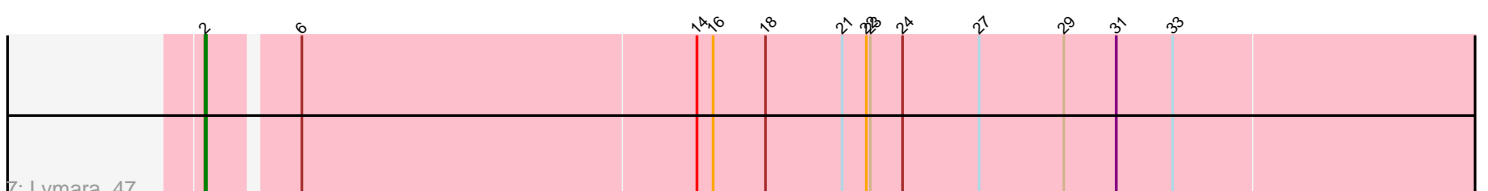
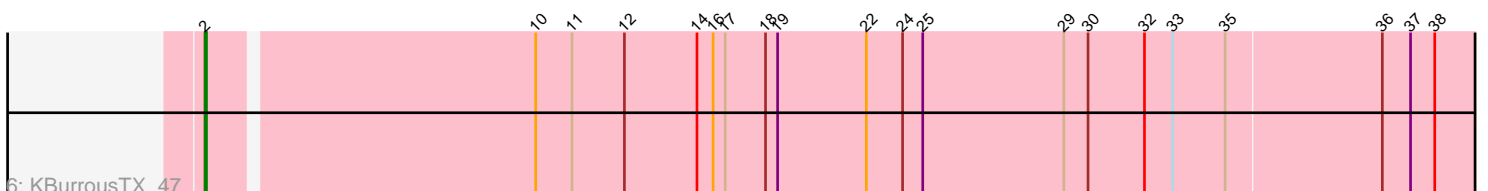
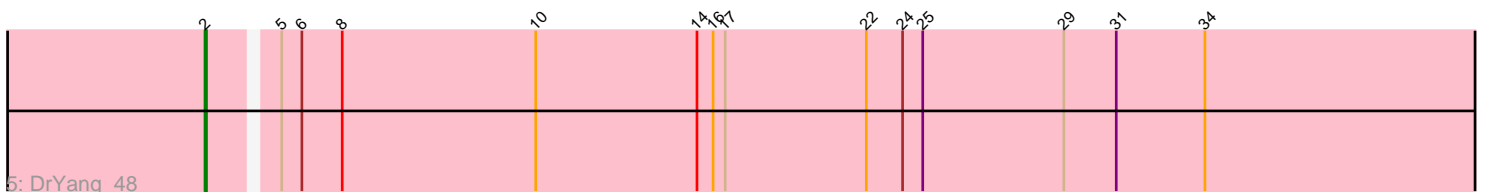
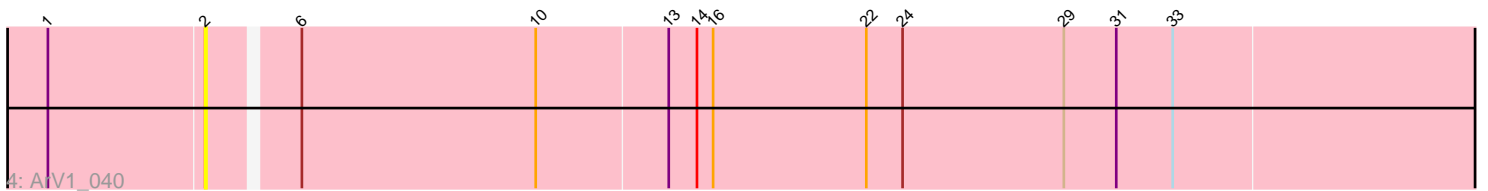
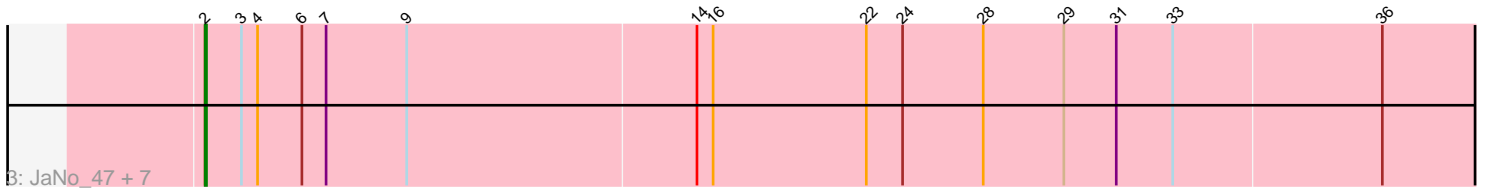
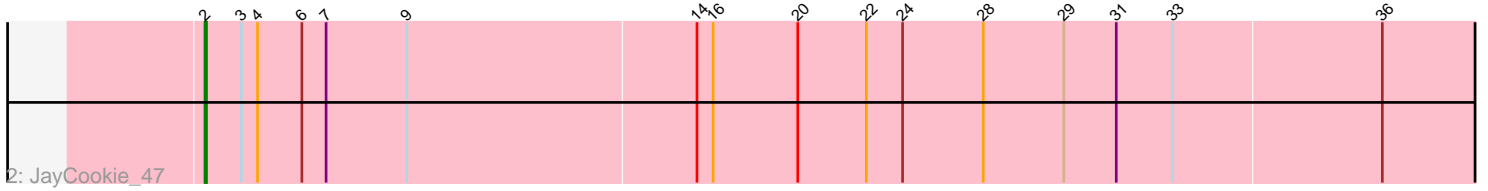
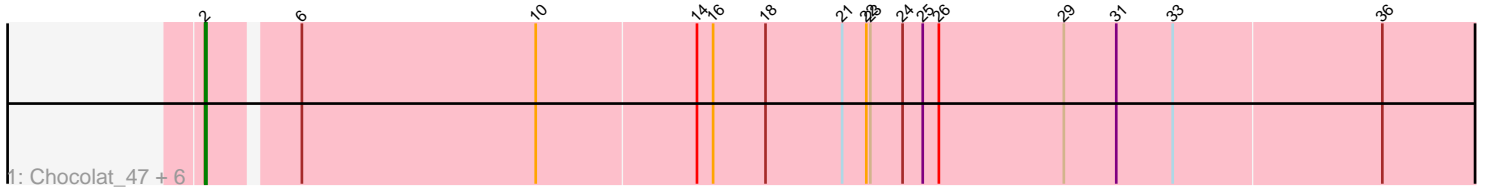


Pham 203317



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 203317 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203317 has 21 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Chocolat_47, PrincessTrina_47, EdgarPoe_47, Conboy_47, Linus_47, Chubster_47, MoyaNatalis_47
- Track 2 : JayCookie_47
- Track 3 : JaNo_47, Mordred_47, Tophat_47, Kabreeze_47, Chipper1996_470, HumptyDumpty_47, RosiePosie_47, Scavito_47
- Track 4 : ArV1_040
- Track 5 : DrYang_48
- Track 6 : KBurrousTX_47
- Track 7 : Lymara_47
- Track 8 : Colucci_47

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

The start number called the most often in the published annotations is 2, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArV1_040, Chipper1996_470, Chocolat_47, Chubster_47, Colucci_47, Conboy_47, DrYang_48, EdgarPoe_47, HumptyDumpty_47, JaNo_47, JayCookie_47, KBurrousTX_47, Kabreeze_47, Linus_47, Lymara_47, Mordred_47, MoyaNatalis_47, PrincessTrina_47, RosiePosie_47, Scavito_47, Tophat_47,

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 2:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ArV1_040 (AR), Chipper1996_470 (AR), Chocolat_47 (AR), Chubster_47 (AR), Colucci_47 (AR), Conboy_47 (AR), DrYang_48 (AR), EdgarPoe_47 (AR), HumptyDumpty_47 (AR), JaNo_47 (AR), JayCookie_47 (AR), KBurrousTX_47 (AR), Kabreeze_47 (AR), Linus_47 (AR), Lymara_47 (AR), Mordred_47 (AR), MoyaNatalis_47 (AR), PrincessTrina_47 (AR), RosiePosie_47 (AR), Scavito_47 (AR), Tophat_47 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:

- Start number 2 was manually annotated 19 times for cluster AR.

Gene Information:

Gene: ArV1_040 Start: 35856, Stop: 36800, Start Num: 2

Candidate Starts for ArV1_040:

(1, 35742), (Start: 2 @35856 has 19 MA's), (6, 35916), (10, 36090), (13, 36186), (14, 36207), (16, 36219), (22, 36333), (24, 36360), (29, 36480), (31, 36519), (33, 36561),

Gene: Chipper1996_470 Start: 37422, Stop: 38381, Start Num: 2

Candidate Starts for Chipper1996_470:

(Start: 2 @37422 has 19 MA's), (3, 37449), (4, 37461), (6, 37494), (7, 37512), (9, 37572), (14, 37785), (16, 37797), (22, 37911), (24, 37938), (28, 37998), (29, 38058), (31, 38097), (33, 38139), (36, 38292),

Gene: Chocolat_47 Start: 37414, Stop: 38361, Start Num: 2

Candidate Starts for Chocolat_47:

(Start: 2 @37414 has 19 MA's), (6, 37474), (10, 37648), (14, 37765), (16, 37777), (18, 37816), (21, 37873), (22, 37891), (23, 37894), (24, 37918), (25, 37933), (26, 37945), (29, 38038), (31, 38077), (33, 38119), (36, 38272),

Gene: Chubster_47 Start: 37334, Stop: 38281, Start Num: 2

Candidate Starts for Chubster_47:

(Start: 2 @37334 has 19 MA's), (6, 37394), (10, 37568), (14, 37685), (16, 37697), (18, 37736), (21, 37793), (22, 37811), (23, 37814), (24, 37838), (25, 37853), (26, 37865), (29, 37958), (31, 37997), (33, 38039), (36, 38192),

Gene: Colucci_47 Start: 37135, Stop: 38091, Start Num: 2

Candidate Starts for Colucci_47:

(1, 37021), (Start: 2 @37135 has 19 MA's), (3, 37162), (4, 37174), (6, 37207), (7, 37225), (9, 37285), (14, 37498), (15, 37507), (16, 37510), (22, 37624), (24, 37651), (28, 37711), (29, 37771), (31, 37810), (33, 37852), (34, 37876),

Gene: Conboy_47 Start: 37562, Stop: 38509, Start Num: 2

Candidate Starts for Conboy_47:

(Start: 2 @37562 has 19 MA's), (6, 37622), (10, 37796), (14, 37913), (16, 37925), (18, 37964), (21, 38021), (22, 38039), (23, 38042), (24, 38066), (25, 38081), (26, 38093), (29, 38186), (31, 38225), (33, 38267), (36, 38420),

Gene: DrYang_48 Start: 39485, Stop: 40438, Start Num: 2

Candidate Starts for DrYang_48:

(Start: 2 @39485 has 19 MA's), (5, 39530), (6, 39545), (8, 39575), (10, 39719), (14, 39839), (16, 39851), (17, 39860), (22, 39965), (24, 39992), (25, 40007), (29, 40112), (31, 40151), (34, 40217),

Gene: EdgarPoe_47 Start: 37562, Stop: 38509, Start Num: 2

Candidate Starts for EdgarPoe_47:

(Start: 2 @37562 has 19 MA's), (6, 37622), (10, 37796), (14, 37913), (16, 37925), (18, 37964), (21, 38021), (22, 38039), (23, 38042), (24, 38066), (25, 38081), (26, 38093), (29, 38186), (31, 38225), (33, 38267), (36, 38420),

Gene: HumptyDumpty_47 Start: 37420, Stop: 38379, Start Num: 2

Candidate Starts for HumptyDumpty_47:

(Start: 2 @37420 has 19 MA's), (3, 37447), (4, 37459), (6, 37492), (7, 37510), (9, 37570), (14, 37783), (16, 37795), (22, 37909), (24, 37936), (28, 37996), (29, 38056), (31, 38095), (33, 38137), (36, 38290),

Gene: JaNo_47 Start: 37420, Stop: 38379, Start Num: 2

Candidate Starts for JaNo_47:

(Start: 2 @37420 has 19 MA's), (3, 37447), (4, 37459), (6, 37492), (7, 37510), (9, 37570), (14, 37783), (16, 37795), (22, 37909), (24, 37936), (28, 37996), (29, 38056), (31, 38095), (33, 38137), (36, 38290),

Gene: JayCookie_47 Start: 37556, Stop: 38515, Start Num: 2

Candidate Starts for JayCookie_47:

(Start: 2 @37556 has 19 MA's), (3, 37583), (4, 37595), (6, 37628), (7, 37646), (9, 37706), (14, 37919), (16, 37931), (20, 37994), (22, 38045), (24, 38072), (28, 38132), (29, 38192), (31, 38231), (33, 38273), (36, 38426),

Gene: KBurrousTX_47 Start: 38672, Stop: 39619, Start Num: 2

Candidate Starts for KBurrousTX_47:

(Start: 2 @38672 has 19 MA's), (10, 38906), (11, 38933), (12, 38972), (14, 39026), (16, 39038), (17, 39047), (18, 39077), (19, 39086), (22, 39152), (24, 39179), (25, 39194), (29, 39299), (30, 39317), (32, 39359), (33, 39380), (35, 39419), (36, 39533), (37, 39554), (38, 39572),

Gene: Kabreeze_47 Start: 37420, Stop: 38379, Start Num: 2

Candidate Starts for Kabreeze_47:

(Start: 2 @37420 has 19 MA's), (3, 37447), (4, 37459), (6, 37492), (7, 37510), (9, 37570), (14, 37783), (16, 37795), (22, 37909), (24, 37936), (28, 37996), (29, 38056), (31, 38095), (33, 38137), (36, 38290),

Gene: Linus_47 Start: 37553, Stop: 38500, Start Num: 2

Candidate Starts for Linus_47:

(Start: 2 @37553 has 19 MA's), (6, 37613), (10, 37787), (14, 37904), (16, 37916), (18, 37955), (21, 38012), (22, 38030), (23, 38033), (24, 38057), (25, 38072), (26, 38084), (29, 38177), (31, 38216), (33, 38258), (36, 38411),

Gene: Lymara_47 Start: 37380, Stop: 38327, Start Num: 2

Candidate Starts for Lymara_47:

(Start: 2 @37380 has 19 MA's), (6, 37440), (14, 37731), (16, 37743), (18, 37782), (21, 37839), (22, 37857), (23, 37860), (24, 37884), (27, 37941), (29, 38004), (31, 38043), (33, 38085),

Gene: Mordred_47 Start: 37420, Stop: 38379, Start Num: 2

Candidate Starts for Mordred_47:

(Start: 2 @37420 has 19 MA's), (3, 37447), (4, 37459), (6, 37492), (7, 37510), (9, 37570), (14, 37783), (16, 37795), (22, 37909), (24, 37936), (28, 37996), (29, 38056), (31, 38095), (33, 38137), (36, 38290),

Gene: MoyaNatalis_47 Start: 37413, Stop: 38360, Start Num: 2

Candidate Starts for MoyaNatalis_47:

(Start: 2 @37413 has 19 MA's), (6, 37473), (10, 37647), (14, 37764), (16, 37776), (18, 37815), (21, 37872), (22, 37890), (23, 37893), (24, 37917), (25, 37932), (26, 37944), (29, 38037), (31, 38076), (33, 38118), (36, 38271),

Gene: PrincessTrina_47 Start: 37556, Stop: 38503, Start Num: 2

Candidate Starts for PrincessTrina_47:

(Start: 2 @37556 has 19 MA's), (6, 37616), (10, 37790), (14, 37907), (16, 37919), (18, 37958), (21, 38015), (22, 38033), (23, 38036), (24, 38060), (25, 38075), (26, 38087), (29, 38180), (31, 38219), (33, 38261), (36, 38414),

Gene: RosiePosie_47 Start: 37423, Stop: 38382, Start Num: 2

Candidate Starts for RosiePosie_47:

(Start: 2 @37423 has 19 MA's), (3, 37450), (4, 37462), (6, 37495), (7, 37513), (9, 37573), (14, 37786), (16, 37798), (22, 37912), (24, 37939), (28, 37999), (29, 38059), (31, 38098), (33, 38140), (36, 38293),

Gene: Scavito_47 Start: 37421, Stop: 38380, Start Num: 2

Candidate Starts for Scavito_47:

(Start: 2 @37421 has 19 MA's), (3, 37448), (4, 37460), (6, 37493), (7, 37511), (9, 37571), (14, 37784), (16, 37796), (22, 37910), (24, 37937), (28, 37997), (29, 38057), (31, 38096), (33, 38138), (36, 38291),

Gene: Tophat_47 Start: 37422, Stop: 38381, Start Num: 2

Candidate Starts for Tophat_47:

(Start: 2 @37422 has 19 MA's), (3, 37449), (4, 37461), (6, 37494), (7, 37512), (9, 37572), (14, 37785), (16, 37797), (22, 37911), (24, 37938), (28, 37998), (29, 38058), (31, 38097), (33, 38139), (36, 38292),