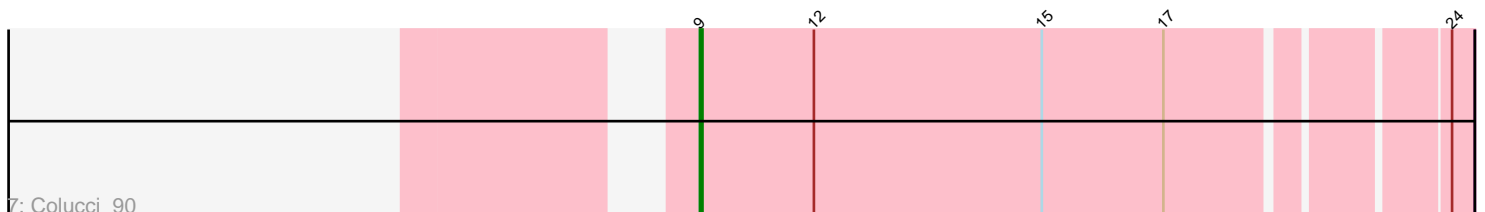
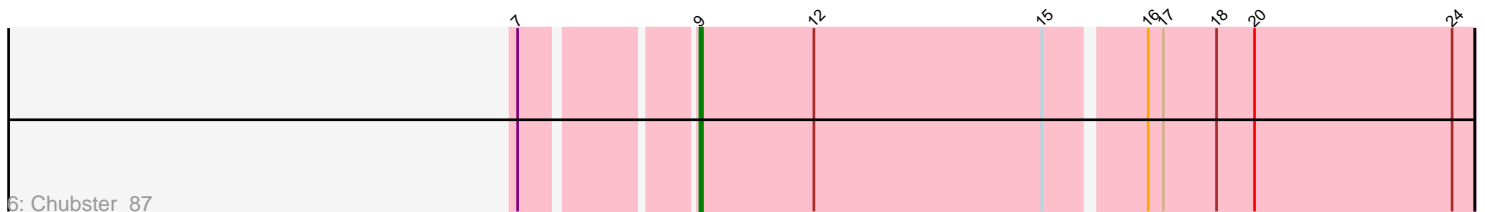
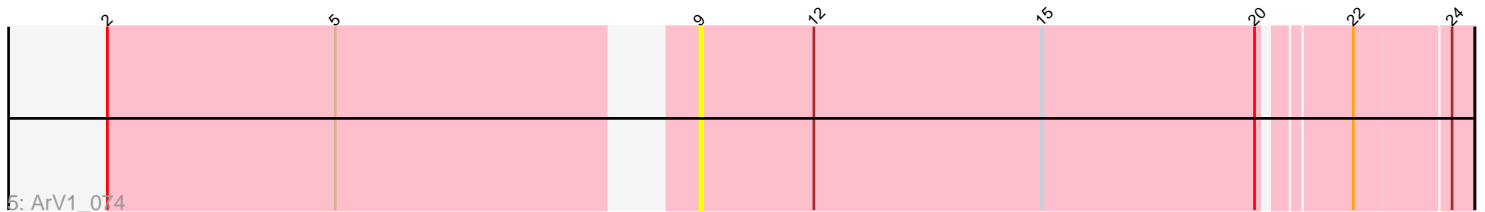
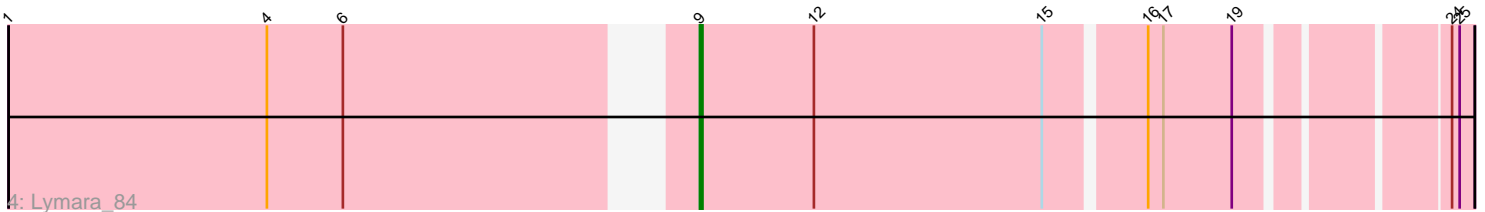
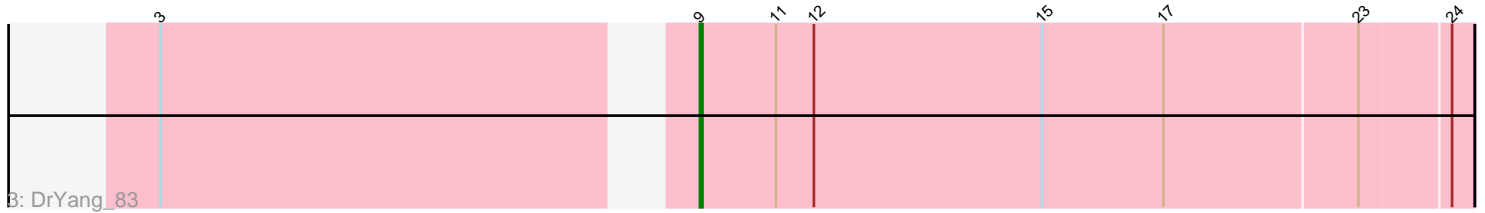
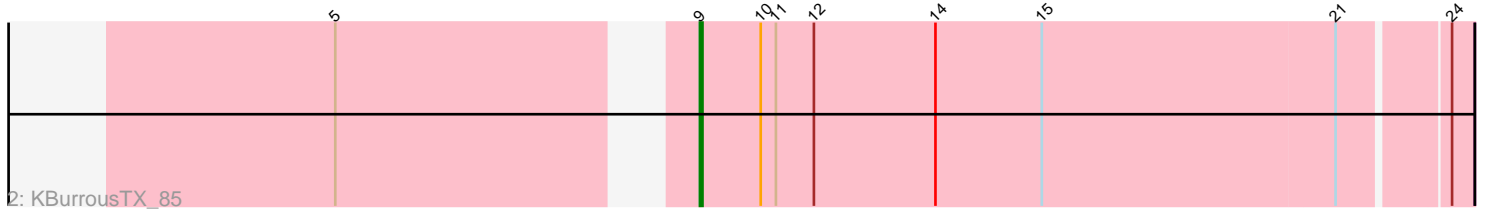
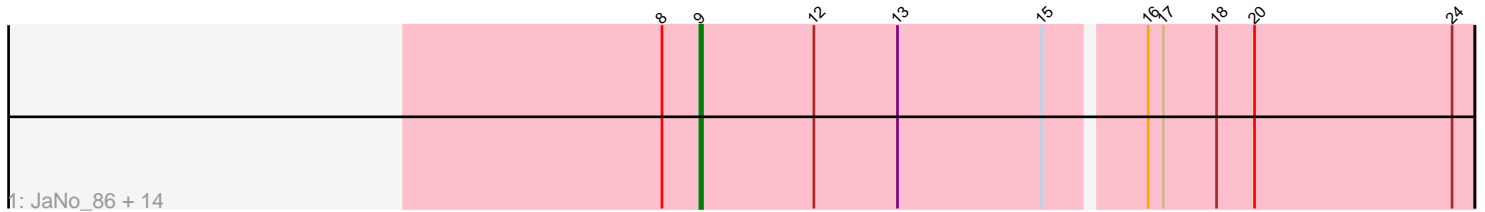


Pham 3733



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 3733 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3733 has 21 members, 3 are drafts.

Phages represented in each track:

- Track 1 : JaNo_86, Conboy_85, Chocolat_87, MoyaNatalis_86, JayCookie_87, Kabreeze_87, HumptyDumpty_87, RosiePosie_87, Scavito_88, Linus_87, EdgarPoe_86, PrincessTrina_88, Mordred_87, Tophat_88, Chipper1996_880
- Track 2 : KBurrousTX_85
- Track 3 : DrYang_83
- Track 4 : Lymara_84
- Track 5 : ArV1_074
- Track 6 : Chubster_87
- Track 7 : Colucci_90

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

The start number called the most often in the published annotations is 9, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArV1_074, Chipper1996_880, Chocolat_87, Chubster_87, Colucci_90, Conboy_85, DrYang_83, EdgarPoe_86, HumptyDumpty_87, JaNo_86, JayCookie_87, KBurrousTX_85, Kabreeze_87, Linus_87, Lymara_84, Mordred_87, MoyaNatalis_86, PrincessTrina_88, RosiePosie_87, Scavito_88, Tophat_88,

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 9:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present

- Phage (with cluster) where this start called: ArV1_074 (AR), Chipper1996_880 (AR), Chocolat_87 (AR), Chubster_87 (AR), Colucci_90 (AR), Conboy_85 (AR), DrYang_83 (AR), EdgarPoe_86 (AR), HumptyDumpty_87 (AR), JaNo_86 (AR), JayCookie_87 (AR), KBurrousTX_85 (AR), Kabreeze_87 (AR), Linus_87 (AR), Lymara_84 (AR), Mordred_87 (AR), MoyaNatalis_86 (AR), PrincessTrina_88 (AR), RosiePosie_87 (AR), Scavito_88 (AR), Tophat_88 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:

- Start number 9 was manually annotated 18 times for cluster AR.

Gene Information:

Gene: ArV1_074 Start: 56310, Stop: 56603, Start Num: 9

Candidate Starts for ArV1_074:

(2, 56100), (5, 56190), (Start: 9 @56310 has 18 MA's), (12, 56355), (15, 56445), (20, 56529), (22, 56559), (24, 56595),

Gene: Chipper1996_880 Start: 57969, Stop: 58268, Start Num: 9

Candidate Starts for Chipper1996_880:

(8, 57954), (Start: 9 @57969 has 18 MA's), (12, 58014), (13, 58047), (15, 58104), (16, 58140), (17, 58146), (18, 58167), (20, 58182), (24, 58260),

Gene: Chocolat_87 Start: 57676, Stop: 57975, Start Num: 9

Candidate Starts for Chocolat_87:

(8, 57661), (Start: 9 @57676 has 18 MA's), (12, 57721), (13, 57754), (15, 57811), (16, 57847), (17, 57853), (18, 57874), (20, 57889), (24, 57967),

Gene: Chubster_87 Start: 57883, Stop: 58182, Start Num: 9

Candidate Starts for Chubster_87:

(7, 57823), (Start: 9 @57883 has 18 MA's), (12, 57928), (15, 58018), (16, 58054), (17, 58060), (18, 58081), (20, 58096), (24, 58174),

Gene: Colucci_90 Start: 58312, Stop: 58602, Start Num: 9

Candidate Starts for Colucci_90:

(Start: 9 @58312 has 18 MA's), (12, 58357), (15, 58447), (17, 58495), (24, 58594),

Gene: Conboy_85 Start: 57425, Stop: 57724, Start Num: 9

Candidate Starts for Conboy_85:

(8, 57410), (Start: 9 @57425 has 18 MA's), (12, 57470), (13, 57503), (15, 57560), (16, 57596), (17, 57602), (18, 57623), (20, 57638), (24, 57716),

Gene: DrYang_83 Start: 57475, Stop: 57774, Start Num: 9

Candidate Starts for DrYang_83:

(3, 57286), (Start: 9 @57475 has 18 MA's), (11, 57505), (12, 57520), (15, 57610), (17, 57658), (23, 57733), (24, 57766),

Gene: EdgarPoe_86 Start: 57833, Stop: 58132, Start Num: 9

Candidate Starts for EdgarPoe_86:

(8, 57818), (Start: 9 @57833 has 18 MA's), (12, 57878), (13, 57911), (15, 57968), (16, 58004), (17, 58010), (18, 58031), (20, 58046), (24, 58124),

Gene: HumptyDumpty_87 Start: 57636, Stop: 57935, Start Num: 9

Candidate Starts for HumptyDumpty_87:

(8, 57621), (Start: 9 @57636 has 18 MA's), (12, 57681), (13, 57714), (15, 57771), (16, 57807), (17, 57813), (18, 57834), (20, 57849), (24, 57927),

Gene: JaNo_86 Start: 57607, Stop: 57906, Start Num: 9

Candidate Starts for JaNo_86:

(8, 57592), (Start: 9 @57607 has 18 MA's), (12, 57652), (13, 57685), (15, 57742), (16, 57778), (17, 57784), (18, 57805), (20, 57820), (24, 57898),

Gene: JayCookie_87 Start: 58169, Stop: 58468, Start Num: 9

Candidate Starts for JayCookie_87:

(8, 58154), (Start: 9 @58169 has 18 MA's), (12, 58214), (13, 58247), (15, 58304), (16, 58340), (17, 58346), (18, 58367), (20, 58382), (24, 58460),

Gene: KBurrousTX_85 Start: 59099, Stop: 59395, Start Num: 9

Candidate Starts for KBurrousTX_85:

(5, 58979), (Start: 9 @59099 has 18 MA's), (10, 59123), (11, 59129), (12, 59144), (14, 59192), (15, 59234), (21, 59348), (24, 59387),

Gene: Kabreeze_87 Start: 57693, Stop: 57992, Start Num: 9

Candidate Starts for Kabreeze_87:

(8, 57678), (Start: 9 @57693 has 18 MA's), (12, 57738), (13, 57771), (15, 57828), (16, 57864), (17, 57870), (18, 57891), (20, 57906), (24, 57984),

Gene: Linus_87 Start: 58141, Stop: 58440, Start Num: 9

Candidate Starts for Linus_87:

(8, 58126), (Start: 9 @58141 has 18 MA's), (12, 58186), (13, 58219), (15, 58276), (16, 58312), (17, 58318), (18, 58339), (20, 58354), (24, 58432),

Gene: Lymara_84 Start: 56638, Stop: 56922, Start Num: 9

Candidate Starts for Lymara_84:

(1, 56389), (4, 56491), (6, 56521), (Start: 9 @56638 has 18 MA's), (12, 56683), (15, 56773), (16, 56809), (17, 56815), (19, 56842), (24, 56914), (25, 56917),

Gene: Mordred_87 Start: 57732, Stop: 58031, Start Num: 9

Candidate Starts for Mordred_87:

(8, 57717), (Start: 9 @57732 has 18 MA's), (12, 57777), (13, 57810), (15, 57867), (16, 57903), (17, 57909), (18, 57930), (20, 57945), (24, 58023),

Gene: MoyaNatalis_86 Start: 57615, Stop: 57914, Start Num: 9

Candidate Starts for MoyaNatalis_86:

(8, 57600), (Start: 9 @57615 has 18 MA's), (12, 57660), (13, 57693), (15, 57750), (16, 57786), (17, 57792), (18, 57813), (20, 57828), (24, 57906),

Gene: PrincessTrina_88 Start: 57917, Stop: 58216, Start Num: 9

Candidate Starts for PrincessTrina_88:

(8, 57902), (Start: 9 @57917 has 18 MA's), (12, 57962), (13, 57995), (15, 58052), (16, 58088), (17, 58094), (18, 58115), (20, 58130), (24, 58208),

Gene: RosiePosie_87 Start: 57788, Stop: 58087, Start Num: 9

Candidate Starts for RosiePosie_87:

(8, 57773), (Start: 9 @57788 has 18 MA's), (12, 57833), (13, 57866), (15, 57923), (16, 57959), (17, 57965), (18, 57986), (20, 58001), (24, 58079),

Gene: Scavito_88 Start: 57781, Stop: 58080, Start Num: 9

Candidate Starts for Scavito_88:

(8, 57766), (Start: 9 @57781 has 18 MA's), (12, 57826), (13, 57859), (15, 57916), (16, 57952), (17, 57958), (18, 57979), (20, 57994), (24, 58072),

Gene: Tophat_88 Start: 57970, Stop: 58269, Start Num: 9

Candidate Starts for Tophat_88:

(8, 57955), (Start: 9 @57970 has 18 MA's), (12, 58015), (13, 58048), (15, 58105), (16, 58141), (17, 58147), (18, 58168), (20, 58183), (24, 58261),