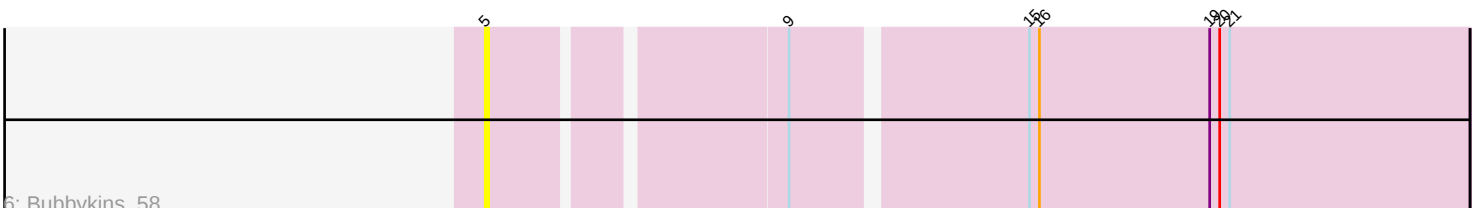
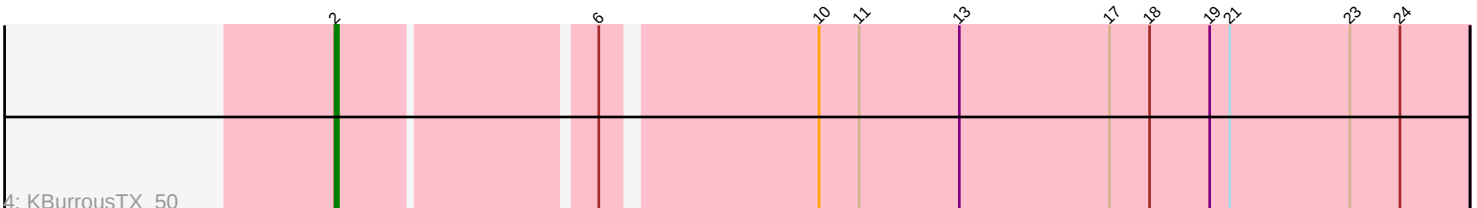
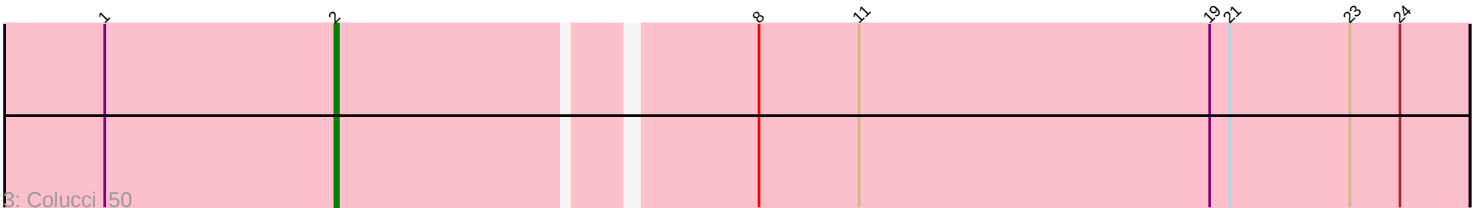
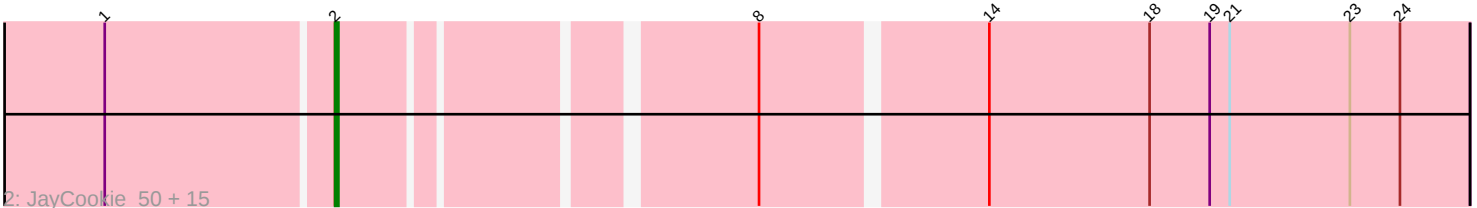
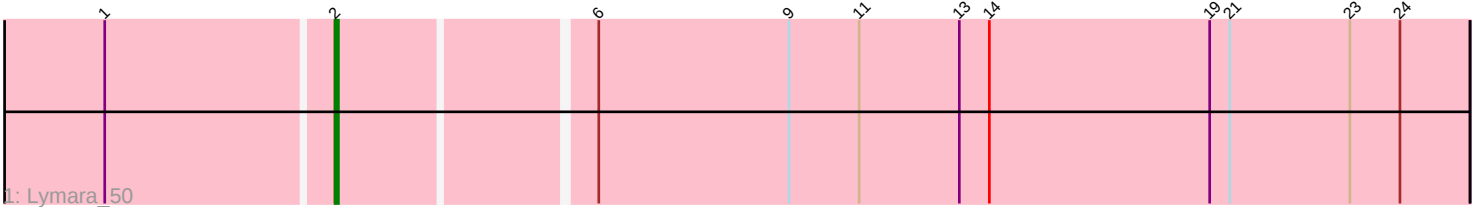


Pham 247298



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 247298 Report

This analysis was run 02/07/26 on database version 634.

Pham number 247298 has 22 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Lymara_50
- Track 2 : JayCookie_50, Mordred_50, Chipper1996_500, PrincessTrina_50, RosiePosie_50, Tophat_50, EdgarPoe_50, Linus_50, HumptyDumpty_50, Conboy_50, Kabreeze_50, Chocolat_50, Scavito_50, JaNo_50, Chubster_50, MoyaNatalis_50
- Track 3 : Colucci_50
- Track 4 : KBurrousTX_50
- Track 5 : DrYang_51
- Track 6 : Bubbykins_58
- Track 7 : JeanGrey_114

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:

- Chipper1996_500, Chocolat_50, Chubster_50, Colucci_50, Conboy_50, DrYang_51, EdgarPoe_50, HumptyDumpty_50, JaNo_50, JayCookie_50, KBurrousTX_50, Kabreeze_50, Linus_50, Lymara_50, Mordred_50, MoyaNatalis_50, PrincessTrina_50, RosiePosie_50, Scavito_50, Tophat_50,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Bubbykins_58, JeanGrey_114,

Summary by start number:

Start 2:

- Found in 20 of 22 (90.9%) 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: Chipper1996_500 (AR), Chocolat_50 (AR), Chubster_50 (AR), Colucci_50 (AR), Conboy_50 (AR), DrYang_51 (AR), EdgarPoe_50 (AR), HumptyDumpty_50 (AR), JaNo_50 (AR), JayCookie_50 (AR), KBurrousTX_50 (AR), Kabreeze_50 (AR), Linus_50 (AR), Lymara_50 (AR), Mordred_50 (AR), MoyaNatalis_50 (AR), PrincessTrina_50 (AR), RosiePosie_50 (AR), Scavito_50 (AR), Tophat_50 (AR),

Start 4:

- Found in 1 of 22 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: JeanGrey_114 (singleton),

Start 5:

- Found in 1 of 22 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bubbykins_58 (UNK),

Summary by clusters:

There are 3 clusters represented in this pham: UNK, AR, singleton,

Info for manual annotations of cluster AR:

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

Gene Information:

Gene: Bubbykins_58 Start: 43700, Stop: 43978, Start Num: 5

Candidate Starts for Bubbykins_58:

(5, 43700), (9, 43781), (15, 43847), (16, 43850), (19, 43901), (20, 43904), (21, 43907),

Gene: Chipper1996_500 Start: 38834, Stop: 39151, Start Num: 2

Candidate Starts for Chipper1996_500:

(1, 38768), (Start: 2 @38834 has 19 MA's), (8, 38945), (14, 39008), (18, 39056), (19, 39074), (21, 39080), (23, 39116), (24, 39131),

Gene: Chocolat_50 Start: 38814, Stop: 39131, Start Num: 2

Candidate Starts for Chocolat_50:

(1, 38748), (Start: 2 @38814 has 19 MA's), (8, 38925), (14, 38988), (18, 39036), (19, 39054), (21, 39060), (23, 39096), (24, 39111),

Gene: Chubster_50 Start: 38734, Stop: 39051, Start Num: 2

Candidate Starts for Chubster_50:

(1, 38668), (Start: 2 @38734 has 19 MA's), (8, 38845), (14, 38908), (18, 38956), (19, 38974), (21, 38980), (23, 39016), (24, 39031),

Gene: Colucci_50 Start: 38521, Stop: 38850, Start Num: 2

Candidate Starts for Colucci_50:

(1, 38452), (Start: 2 @38521 has 19 MA's), (8, 38638), (11, 38668), (19, 38773), (21, 38779), (23, 38815), (24, 38830),

Gene: Conboy_50 Start: 38962, Stop: 39279, Start Num: 2

Candidate Starts for Conboy_50:

(1, 38896), (Start: 2 @38962 has 19 MA's), (8, 39073), (14, 39136), (18, 39184), (19, 39202), (21, 39208), (23, 39244), (24, 39259),

Gene: DrYang_51 Start: 40871, Stop: 41179, Start Num: 2

Candidate Starts for DrYang_51:

(1, 40805), (Start: 2 @40871 has 19 MA's), (7, 40931), (11, 40997), (12, 41015), (19, 41102), (21, 41108), (23, 41144), (24, 41159),

Gene: EdgarPoe_50 Start: 38962, Stop: 39279, Start Num: 2

Candidate Starts for EdgarPoe_50:

(1, 38896), (Start: 2 @38962 has 19 MA's), (8, 39073), (14, 39136), (18, 39184), (19, 39202), (21, 39208), (23, 39244), (24, 39259),

Gene: HumptyDumpty_50 Start: 38832, Stop: 39149, Start Num: 2

Candidate Starts for HumptyDumpty_50:

(1, 38766), (Start: 2 @38832 has 19 MA's), (8, 38943), (14, 39006), (18, 39054), (19, 39072), (21, 39078), (23, 39114), (24, 39129),

Gene: JaNo_50 Start: 38832, Stop: 39149, Start Num: 2

Candidate Starts for JaNo_50:

(1, 38766), (Start: 2 @38832 has 19 MA's), (8, 38943), (14, 39006), (18, 39054), (19, 39072), (21, 39078), (23, 39114), (24, 39129),

Gene: JayCookie_50 Start: 38968, Stop: 39285, Start Num: 2

Candidate Starts for JayCookie_50:

(1, 38902), (Start: 2 @38968 has 19 MA's), (8, 39079), (14, 39142), (18, 39190), (19, 39208), (21, 39214), (23, 39250), (24, 39265),

Gene: JeanGrey_114 Start: 88210, Stop: 88503, Start Num: 4

Candidate Starts for JeanGrey_114:

(3, 88195), (4, 88210), (21, 88432), (22, 88465),

Gene: KBurrousTX_50 Start: 40055, Stop: 40381, Start Num: 2

Candidate Starts for KBurrousTX_50:

(Start: 2 @40055 has 19 MA's), (6, 40127), (10, 40187), (11, 40199), (13, 40229), (17, 40274), (18, 40286), (19, 40304), (21, 40310), (23, 40346), (24, 40361),

Gene: Kabreeze_50 Start: 38832, Stop: 39149, Start Num: 2

Candidate Starts for Kabreeze_50:

(1, 38766), (Start: 2 @38832 has 19 MA's), (8, 38943), (14, 39006), (18, 39054), (19, 39072), (21, 39078), (23, 39114), (24, 39129),

Gene: Linus_50 Start: 38953, Stop: 39270, Start Num: 2

Candidate Starts for Linus_50:

(1, 38887), (Start: 2 @38953 has 19 MA's), (8, 39064), (14, 39127), (18, 39175), (19, 39193), (21, 39199), (23, 39235), (24, 39250),

Gene: Lymara_50 Start: 38762, Stop: 39094, Start Num: 2

Candidate Starts for Lymara_50:

(1, 38696), (Start: 2 @38762 has 19 MA's), (6, 38834), (9, 38891), (11, 38912), (13, 38942), (14, 38951), (19, 39017), (21, 39023), (23, 39059), (24, 39074),

Gene: Mordred_50 Start: 38832, Stop: 39149, Start Num: 2

Candidate Starts for Mordred_50:

(1, 38766), (Start: 2 @38832 has 19 MA's), (8, 38943), (14, 39006), (18, 39054), (19, 39072), (21, 39078), (23, 39114), (24, 39129),

Gene: MoyaNatalis_50 Start: 38813, Stop: 39130, Start Num: 2

Candidate Starts for MoyaNatalis_50:

(1, 38747), (Start: 2 @38813 has 19 MA's), (8, 38924), (14, 38987), (18, 39035), (19, 39053), (21, 39059), (23, 39095), (24, 39110),

Gene: PrincessTrina_50 Start: 38956, Stop: 39273, Start Num: 2

Candidate Starts for PrincessTrina_50:

(1, 38890), (Start: 2 @38956 has 19 MA's), (8, 39067), (14, 39130), (18, 39178), (19, 39196), (21, 39202), (23, 39238), (24, 39253),

Gene: RosiePosie_50 Start: 38835, Stop: 39152, Start Num: 2

Candidate Starts for RosiePosie_50:

(1, 38769), (Start: 2 @38835 has 19 MA's), (8, 38946), (14, 39009), (18, 39057), (19, 39075), (21, 39081), (23, 39117), (24, 39132),

Gene: Scavito_50 Start: 38833, Stop: 39150, Start Num: 2

Candidate Starts for Scavito_50:

(1, 38767), (Start: 2 @38833 has 19 MA's), (8, 38944), (14, 39007), (18, 39055), (19, 39073), (21, 39079), (23, 39115), (24, 39130),

Gene: Tophat_50 Start: 38834, Stop: 39151, Start Num: 2

Candidate Starts for Tophat_50:

(1, 38768), (Start: 2 @38834 has 19 MA's), (8, 38945), (14, 39008), (18, 39056), (19, 39074), (21, 39080), (23, 39116), (24, 39131),