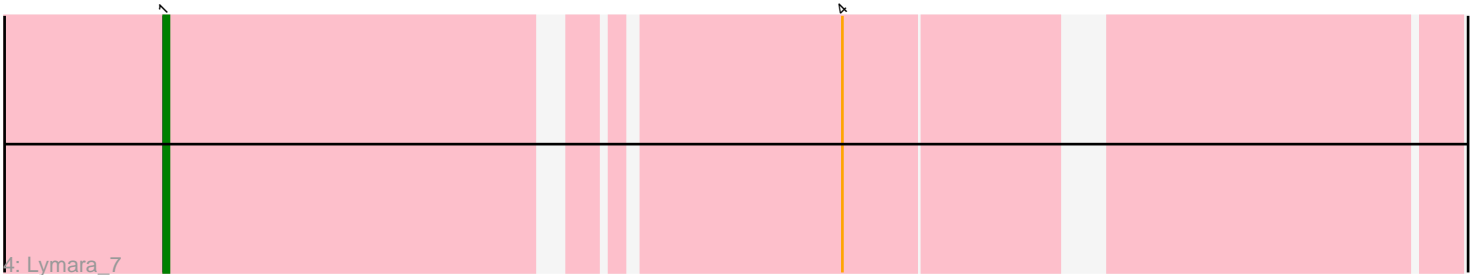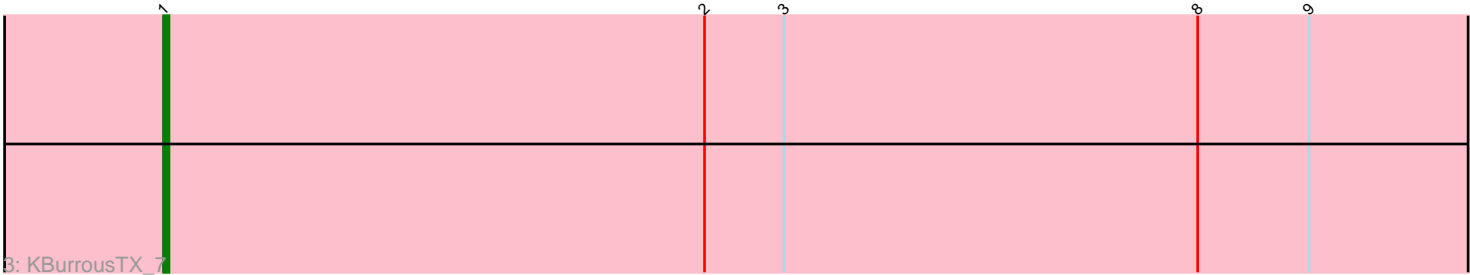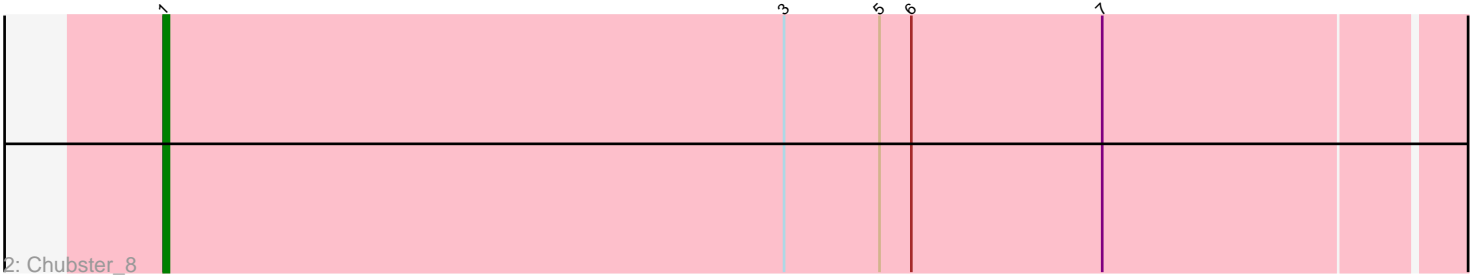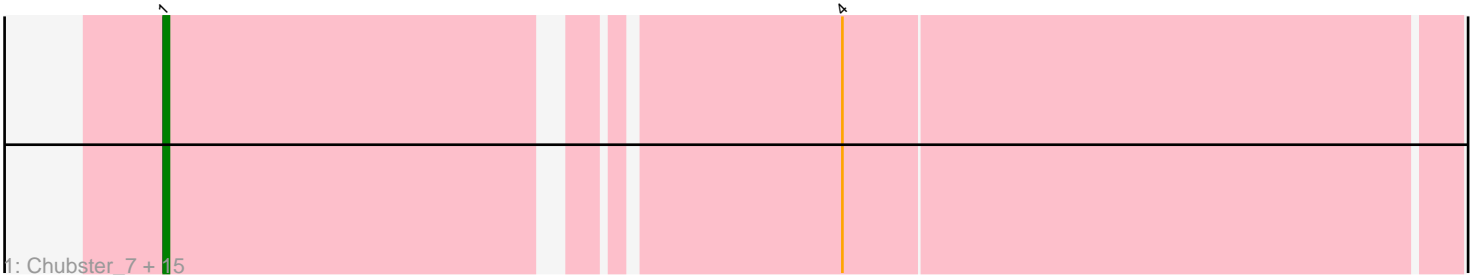# Pham 86620

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 86620 Report

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

Pham number 86620 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Chubster_7, Chipper1996_70, Tophat_7, EdgarPoe_7, HumptyDumpty_7, Conboy_7, Linus_7, JaNo_7, RosiePosie_7, Kabreeze_7, Mordred_7, JayCookie_7, PrincessTrina_7, Chocolat_7, MoyaNatalis_7, Scavito_7
• Track 2 : Chubster_8
• Track 3 : KBurrousTX_7
• Track 4 : Lymara_7
• Track 5 : Colucci_7

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chipper1996_70, Chocolat_7, Chubster_7, Chubster_8, Colucci_7, Conboy_7, EdgarPoe_7, HumptyDumpty_7, JaNo_7, JayCookie_7, KBurrousTX_7, Kabreeze_7, Linus_7, Lymara_7, Mordred_7, MoyaNatalis_7, PrincessTrina_7, RosiePosie_7, Scavito_7, Tophat_7,

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 1:
• Found in 20 of 20 (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: Chipper1996_70 (AR), Chocolat_7 (AR), Chubster_7 (AR), Chubster_8 (AR), Colucci_7 (AR), Conboy_7 (AR), EdgarPoe_7 (AR), HumptyDumpty_7 (AR), JaNo_7 (AR), JayCookie_7 (AR), KBurrousTX_7 (AR),

Kabreeze_7 (AR), Linus_7 (AR), Lymara_7 (AR), Mordred_7 (AR), MoyaNatalis_7 (AR), PrincessTrina_7 (AR), RosiePosie_7 (AR), Scavito_7 (AR), Tophat_7 (AR),

Summary by clusters:

There is one cluster represented in this pham: AR

Info for manual annotations of cluster AR:
•Start number 1 was manually annotated 18 times for cluster AR.

Gene Information:

Gene: Chipper1996_70 Start: 6724, Stop: 6954, Start Num: 1
Candidate Starts for Chipper1996_70:
(Start: 1 @6724 has 18 MA's), (4, 6841),

Gene: Chocolat_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for Chocolat_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: Chubster_7 Start: 6717, Stop: 6947, Start Num: 1
Candidate Starts for Chubster_7:
(Start: 1 @6717 has 18 MA's), (4, 6834),

Gene: Chubster_8 Start: 6950, Stop: 7195, Start Num: 1
Candidate Starts for Chubster_8:
(Start: 1 @6950 has 18 MA's), (3, 7067), (5, 7085), (6, 7091), (7, 7127),

Gene: Colucci_7 Start: 6687, Stop: 6923, Start Num: 1
Candidate Starts for Colucci_7:
(Start: 1 @6687 has 18 MA's), (4, 6810),

Gene: Conboy_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for Conboy_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: EdgarPoe_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for EdgarPoe_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: HumptyDumpty_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for HumptyDumpty_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: JaNo_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for JaNo_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: JayCookie_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for JayCookie_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: KBurrousTX_7 Start: 6728, Stop: 6979, Start Num: 1
Candidate Starts for KBurrousTX_7:
(Start: 1 @6728 has 18 MA's), (2, 6830), (3, 6845), (8, 6923), (9, 6944),

Gene: Kabreeze_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for Kabreeze_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: Linus_7 Start: 6720, Stop: 6950, Start Num: 1
Candidate Starts for Linus_7:
(Start: 1 @6720 has 18 MA's), (4, 6837),

Gene: Lymara_7 Start: 6717, Stop: 6938, Start Num: 1
Candidate Starts for Lymara_7:
(Start: 1 @6717 has 18 MA's), (4, 6834),

Gene: Mordred_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for Mordred_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: MoyaNatalis_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for MoyaNatalis_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: PrincessTrina_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for PrincessTrina_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: RosiePosie_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for RosiePosie_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: Scavito_7 Start: 6723, Stop: 6953, Start Num: 1
Candidate Starts for Scavito_7:
(Start: 1 @6723 has 18 MA's), (4, 6840),

Gene: Tophat_7 Start: 6724, Stop: 6954, Start Num: 1
Candidate Starts for Tophat_7:
(Start: 1 @6724 has 18 MA's), (4, 6841),