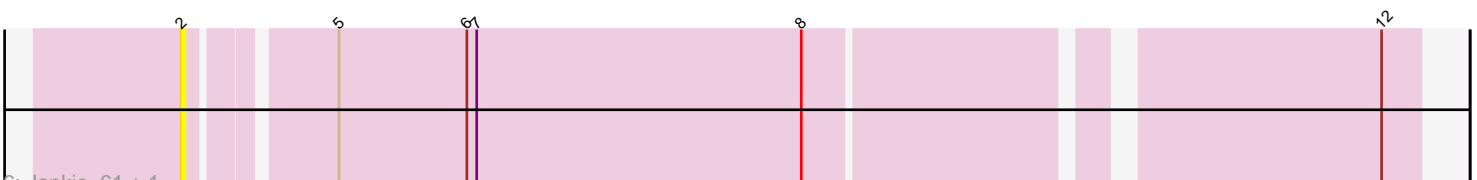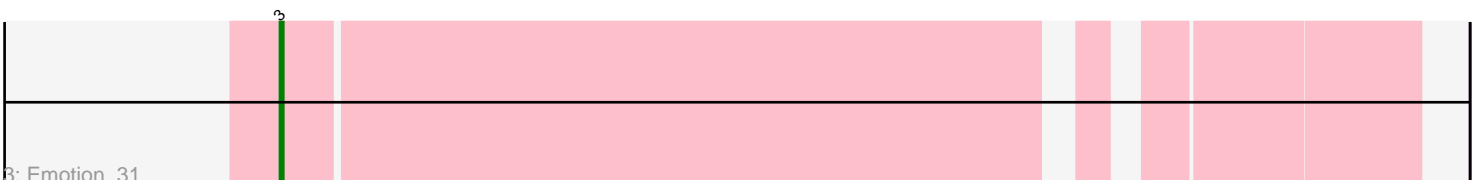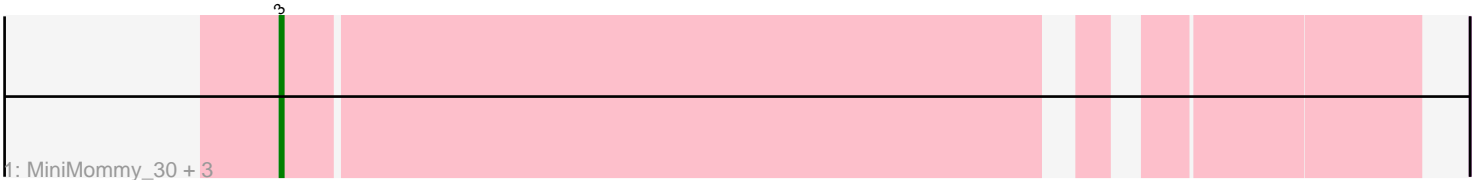# Pham 245685

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 245685 Report

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

Pham number 245685 has 16 members, 6 are drafts.

Phages represented in each track:
• Track 1 : MiniMommy_30, JasmineDragon_31, ShakeItOph_31, VroomVroom_31
• Track 2 : JohnThicc_33, FiveHead_34, LadyAstra_32, Origami_32
• Track 3 : Emotion_31
• Track 4 : Soondubu_59
• Track 5 : GardenState_24, IAmGroot_24
• Track 6 : Jankie_61, GrimEater_59
• Track 7 : BaileyBlu_55
• Track 8 : CallinAllBarbz_57

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Emotion_31, FiveHead_34, JasmineDragon_31, JohnThicc_33, LadyAstra_32, MiniMommy_30, Origami_32, ShakeItOph_31, VroomVroom_31,

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

Genes that do not have the "Most Annotated" start:
• BaileyBlu_55, CallinAllBarbz_57, GardenState_24, GrimEater_59, IAmGroot_24, Jankie_61, Soondubu_59,

Summary by start number:

Start 2:
• Found in 7 of 16 (43.8%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaileyBlu_55 (FP), CallinAllBarbz_57 (FP), GardenState_24 (EH), GrimEater_59 (FP), IAmGroot_24 (EH), Jankie_61 (FP), Soondubu_59 (AZ6),

Start 3:
• Found in 9 of 16 (56.2%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Emotion_31 (AZ4), FiveHead_34 (AZ4), JasmineDragon_31 (AZ4), JohnThicc_33 (AZ4), LadyAstra_32 (AZ4), MiniMommy_30 (AZ4), Origami_32 (AZ4), ShakeItOph_31 (AZ4), VroomVroom_31 (AZ4),

Summary by clusters:

There are 4 clusters represented in this pham: FP, AZ4, EH, AZ6,

Info for manual annotations of cluster AZ4:
•Start number 3 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ6:
•Start number 2 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster EH:
•Start number 2 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:
•Start number 2 was manually annotated 2 times for cluster FP.

Gene Information:
Gene: BaileyBlu_55 Start: 38198, Stop: 38548, Start Num: 2
Candidate Starts for BaileyBlu_55:
(Start: 2 @38198 has 5 MA's), (4, 38231), (5, 38246), (8, 38387), (10, 38465), (11, 38486),

Gene: CallinAllBarbz_57 Start: 39185, Stop: 39535, Start Num: 2
Candidate Starts for CallinAllBarbz_57:
(Start: 2 @39185 has 5 MA's), (8, 39374), (9, 39419), (11, 39473),

Gene: Emotion_31 Start: 23595, Stop: 23915, Start Num: 3
Candidate Starts for Emotion_31:
(Start: 3 @23595 has 5 MA's),

Gene: FiveHead_34 Start: 23094, Stop: 23411, Start Num: 3
Candidate Starts for FiveHead_34:
(Start: 3 @23094 has 5 MA's),

Gene: GardenState_24 Start: 19706, Stop: 20092, Start Num: 2
Candidate Starts for GardenState_24:
(Start: 2 @19706 has 5 MA's), (5, 19754),

Gene: GrimEater_59 Start: 39147, Stop: 39497, Start Num: 2
Candidate Starts for GrimEater_59:
(Start: 2 @39147 has 5 MA's), (5, 39186), (6, 39225), (7, 39228), (8, 39327), (12, 39486),

Gene: IAmGroot_24 Start: 20367, Stop: 20753, Start Num: 2
Candidate Starts for IAmGroot_24:
(Start: 2 @20367 has 5 MA's), (5, 20415),

Gene: Jankie_61 Start: 39329, Stop: 39679, Start Num: 2
Candidate Starts for Jankie_61:
(Start: 2 @39329 has 5 MA's), (5, 39368), (6, 39407), (7, 39410), (8, 39509), (12, 39668),

Gene: JasmineDragon_31 Start: 22997, Stop: 23317, Start Num: 3
Candidate Starts for JasmineDragon_31:
(Start: 3 @22997 has 5 MA's),

Gene: JohnThicc_33 Start: 23094, Stop: 23411, Start Num: 3
Candidate Starts for JohnThicc_33:
(Start: 3 @23094 has 5 MA's),

Gene: LadyAstra_32 Start: 23031, Stop: 23351, Start Num: 3
Candidate Starts for LadyAstra_32:
(Start: 3 @23031 has 5 MA's),

Gene: MiniMommy_30 Start: 22998, Stop: 23318, Start Num: 3
Candidate Starts for MiniMommy_30:
(Start: 3 @22998 has 5 MA's),

Gene: Origami_32 Start: 23031, Stop: 23351, Start Num: 3
Candidate Starts for Origami_32:
(Start: 3 @23031 has 5 MA's),

Gene: ShakeItOph_31 Start: 22997, Stop: 23317, Start Num: 3
Candidate Starts for ShakeItOph_31:
(Start: 3 @22997 has 5 MA's),

Gene: Soondubu_59 Start: 43289, Stop: 43648, Start Num: 2
Candidate Starts for Soondubu_59:
(1, 43265), (Start: 2 @43289 has 5 MA's), (8, 43478),

Gene: VroomVroom_31 Start: 23092, Stop: 23409, Start Num: 3
Candidate Starts for VroomVroom_31:
(Start: 3 @23092 has 5 MA's),