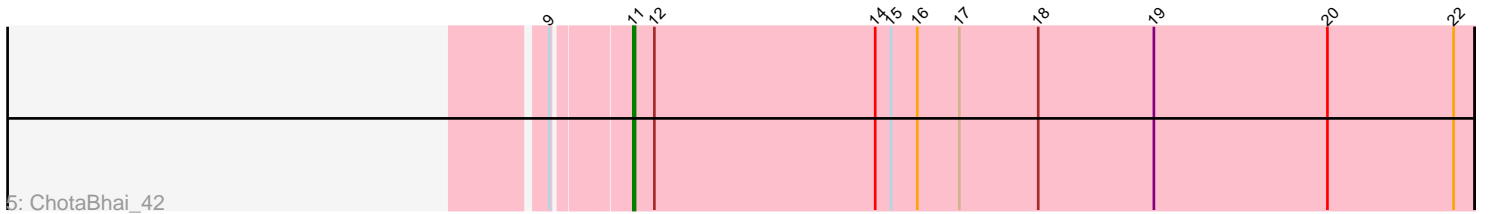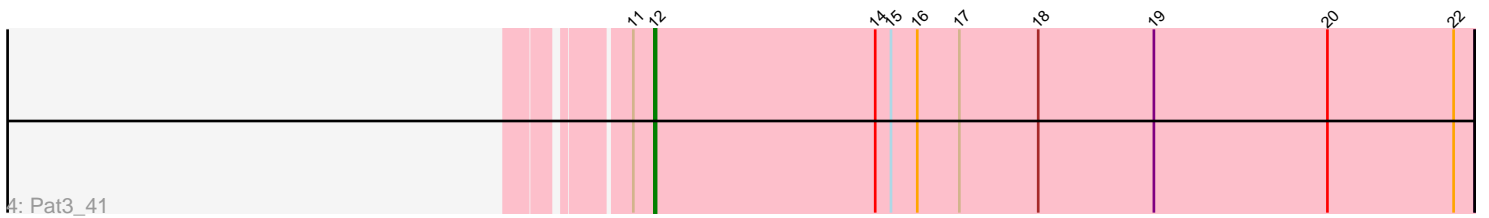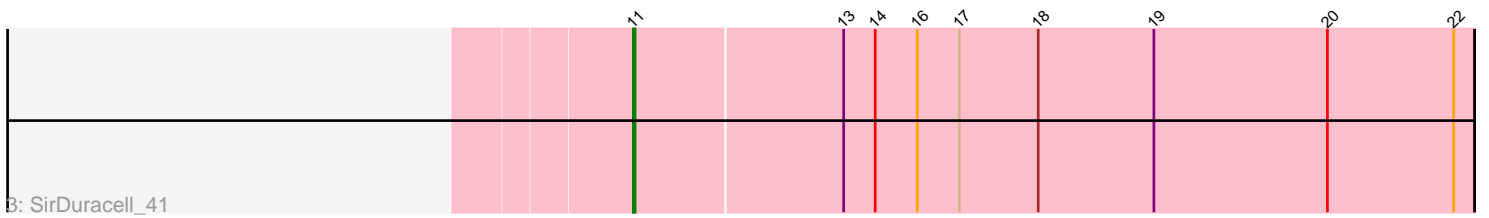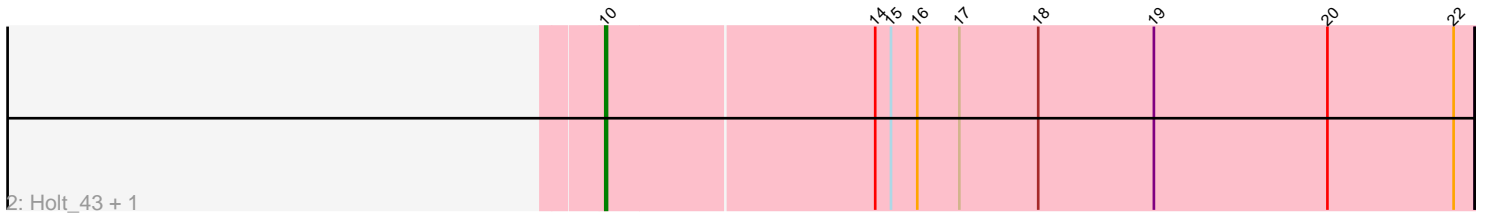# Pham 225156

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 225156 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225156 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BigBubba_42
• Track 2 : Holt_43, DoctorDiddles_42
• Track 3 : SirDuracell_41
• Track 4 : Pat3_41
• Track 5 : ChotaBhai_42
• Track 6 : Mindy_43
• Track 7 : Amao_42

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

The start number called the most often in the published annotations is 11, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_42, BigBubba_42, ChotaBhai_42, Mindy_43, SirDuracell_41,

Genes that have the "Most Annotated" start but do not call it:
• Pat3_41,

Genes that do not have the "Most Annotated" start:
• DoctorDiddles_42, Holt_43,

Summary by start number:

Start 10:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 66.7% of time when present
• Phage (with cluster) where this start called: DoctorDiddles_42 (E), Holt_43 (E),

Start 11:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Amao_42 (E), BigBubba_42 (E), ChotaBhai_42 (E), Mindy_43 (E), SirDuracell_41 (E),

Start 12:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Pat3_41 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 10 was manually annotated 2 times for cluster E.
•Start number 11 was manually annotated 4 times for cluster E.
•Start number 12 was manually annotated 1 time for cluster E.

Gene Information:

Gene: Amao_42 Start: 34812, Stop: 34333, Start Num: 11
Candidate Starts for Amao_42:
(7, 34905), (8, 34860), (Start: 11 @34812 has 4 MA's), (14, 34674), (16, 34650), (17, 34626), (18, 34581), (19, 34515), (20, 34416), (22, 34344),

Gene: BigBubba_42 Start: 34670, Stop: 34191, Start Num: 11
Candidate Starts for BigBubba_42:
(1, 35006), (2, 35003), (3, 34997), (4, 34988), (5, 34829), (6, 34799), (Start: 11 @34670 has 4 MA's), (13, 34550), (14, 34532), (16, 34508), (17, 34484), (18, 34439), (19, 34373), (20, 34274), (22, 34202),

Gene: ChotaBhai_42 Start: 34264, Stop: 33785, Start Num: 11
Candidate Starts for ChotaBhai_42:
(9, 34303), (Start: 11 @34264 has 4 MA's), (Start: 12 @34252 has 1 MA's), (14, 34126), (15, 34117), (16, 34102), (17, 34078), (18, 34033), (19, 33967), (20, 33868), (22, 33796),

Gene: DoctorDiddles_42 Start: 34192, Stop: 33701, Start Num: 10
Candidate Starts for DoctorDiddles_42:
(Start: 10 @34192 has 2 MA's), (14, 34042), (15, 34033), (16, 34018), (17, 33994), (18, 33949), (19, 33883), (20, 33784), (22, 33712),

Gene: Holt_43 Start: 34307, Stop: 33816, Start Num: 10
Candidate Starts for Holt_43:
(Start: 10 @34307 has 2 MA's), (14, 34157), (15, 34148), (16, 34133), (17, 34109), (18, 34064), (19, 33998), (20, 33899), (22, 33827),

Gene: Mindy_43 Start: 34793, Stop: 34317, Start Num: 11
Candidate Starts for Mindy_43:
(Start: 10 @34808 has 2 MA's), (Start: 11 @34793 has 4 MA's), (14, 34658), (16, 34634), (17, 34610), (18, 34565), (19, 34499), (20, 34400), (21, 34388), (22, 34328),

Gene: Pat3_41 Start: 33929, Stop: 33462, Start Num: 12

Candidate Starts for Pat3_41:
(Start: 11 @33941 has 4 MA's), (Start: 12 @33929 has 1 MA's), (14, 33803), (15, 33794), (16, 33779), (17, 33755), (18, 33710), (19, 33644), (20, 33545), (22, 33473),

Gene: SirDuracell_41 Start: 33680, Stop: 33204, Start Num: 11
Candidate Starts for SirDuracell_41:
(Start: 11 @33680 has 4 MA's), (13, 33563), (14, 33545), (16, 33521), (17, 33497), (18, 33452), (19, 33386), (20, 33287), (22, 33215),