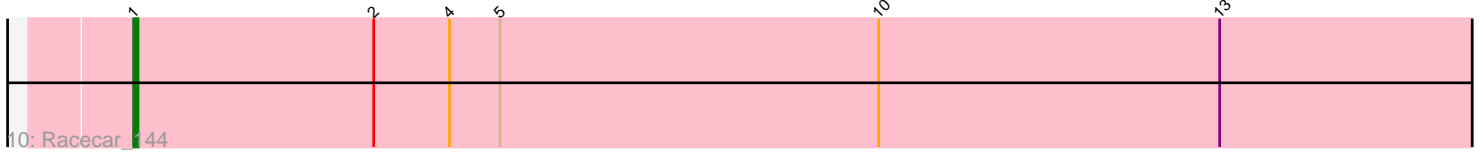
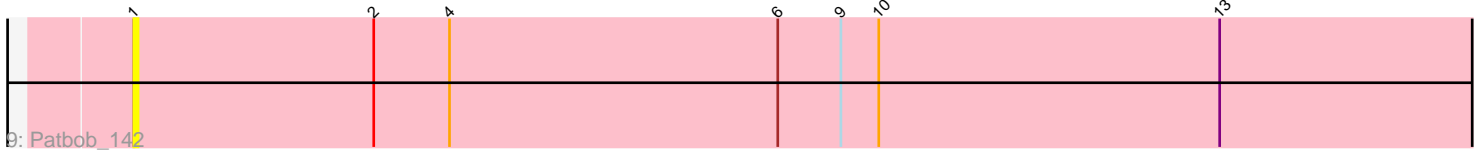
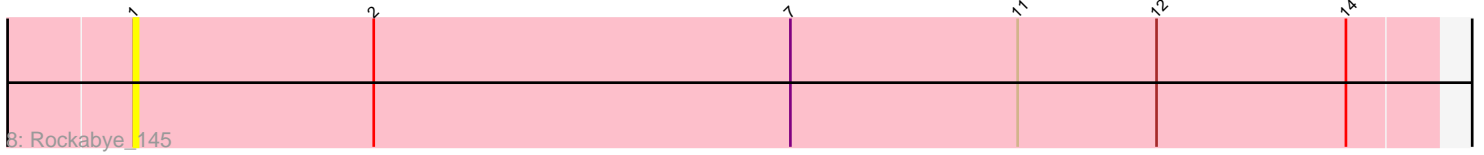
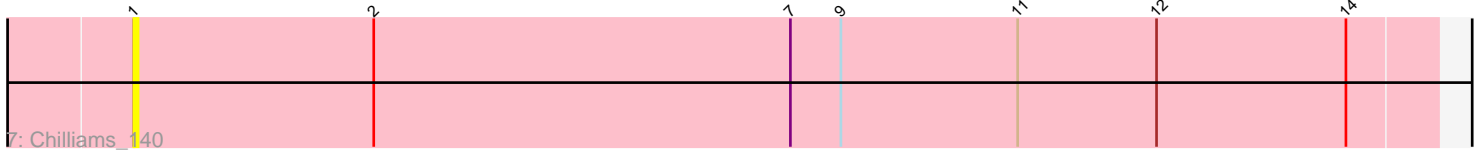
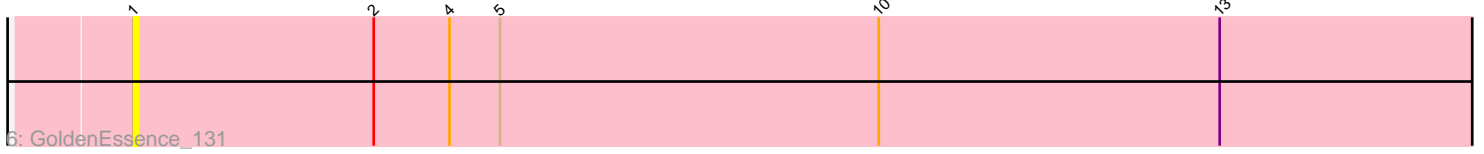
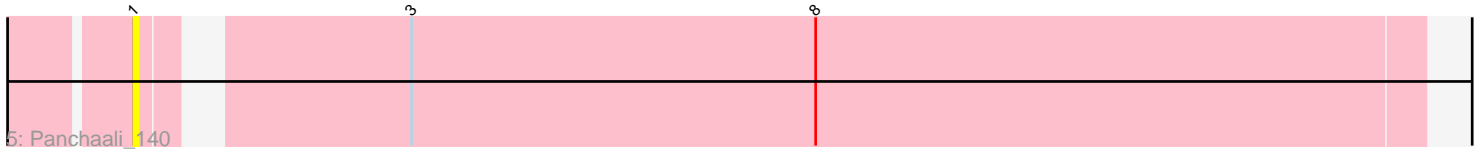
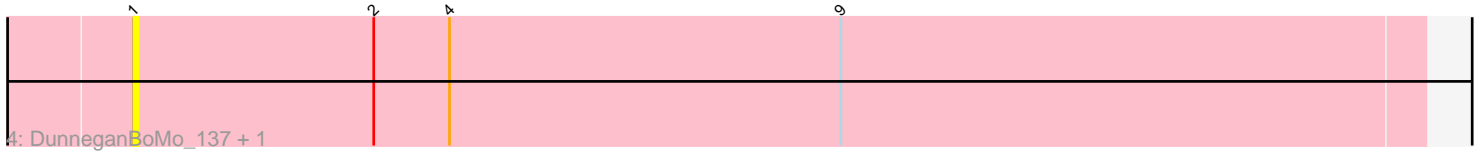
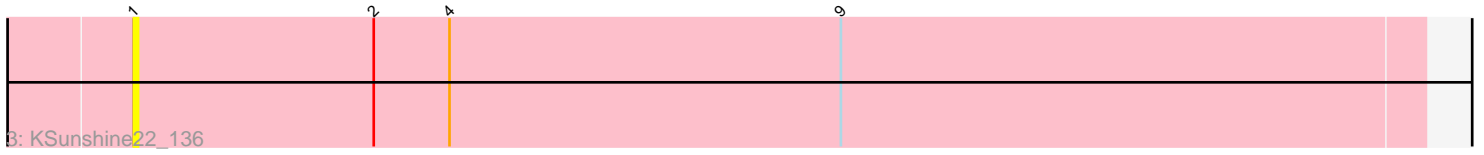
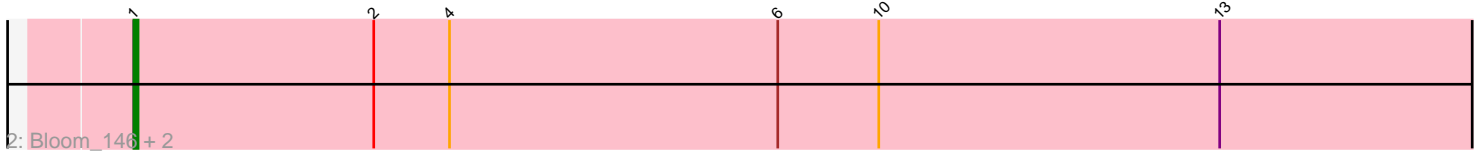
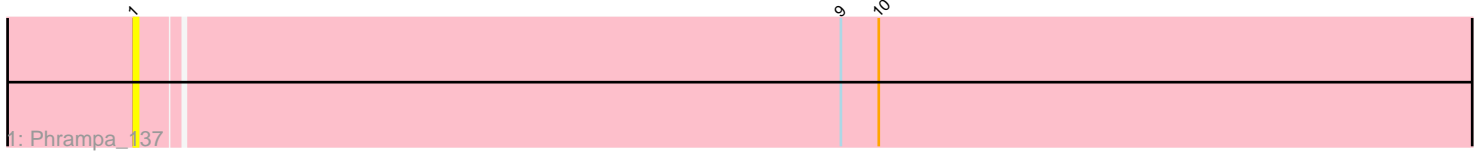


Pham 221927



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 221927 Report

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

Pham number 221927 has 13 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Phrampa_137
- Track 2 : Bloom_146, Mimi_143, Talia1610_145
- Track 3 : KSunshine22_136
- Track 4 : DunneganBoMo_137, WaddleDee_137
- Track 5 : Panchaali_140
- Track 6 : GoldenEssence_131
- Track 7 : Chilliams_140
- Track 8 : Rockabye_145
- Track 9 : Patbob_142
- Track 10 : Racecar_144

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_146, Chilliams_140, DunneganBoMo_137, GoldenEssence_131, KSunshine22_136, Mimi_143, Panchaali_140, Patbob_142, Phrampa_137, Racecar_144, Rockabye_145, Talia1610_145, WaddleDee_137,

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 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bloom_146 (FC), Chilliams_140 (FC), DunneganBoMo_137 (FC), GoldenEssence_131 (FC), KSunshine22_136 (FC), Mimi_143 (FC), Panchaali_140 (FC), Patbob_142 (FC), Phrampa_137 (FC), Racecar_144 (FC), Rockabye_145 (FC), Talia1610_145 (FC), WaddleDee_137 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 3 times for cluster FC.

Gene Information:

Gene: Bloom_146 Start: 97813, Stop: 98154, Start Num: 1

Candidate Starts for Bloom_146:

(Start: 1 @97813 has 3 MA's), (2, 97870), (4, 97888), (6, 97966), (10, 97990), (13, 98071),

Gene: Chilliams_140 Start: 88443, Stop: 88751, Start Num: 1

Candidate Starts for Chilliams_140:

(Start: 1 @88443 has 3 MA's), (2, 88500), (7, 88599), (9, 88611), (11, 88653), (12, 88686), (14, 88731),

Gene: DunneganBoMo_137 Start: 93823, Stop: 94128, Start Num: 1

Candidate Starts for DunneganBoMo_137:

(Start: 1 @93823 has 3 MA's), (2, 93880), (4, 93898), (9, 93991),

Gene: GoldenEssence_131 Start: 91511, Stop: 91852, Start Num: 1

Candidate Starts for GoldenEssence_131:

(Start: 1 @91511 has 3 MA's), (2, 91568), (4, 91586), (5, 91598), (10, 91688), (13, 91769),

Gene: KSunshine22_136 Start: 94974, Stop: 95279, Start Num: 1

Candidate Starts for KSunshine22_136:

(Start: 1 @94974 has 3 MA's), (2, 95031), (4, 95049), (9, 95142),

Gene: Mimi_143 Start: 96878, Stop: 97219, Start Num: 1

Candidate Starts for Mimi_143:

(Start: 1 @96878 has 3 MA's), (2, 96935), (4, 96953), (6, 97031), (10, 97055), (13, 97136),

Gene: Panchaali_140 Start: 94170, Stop: 94463, Start Num: 1

Candidate Starts for Panchaali_140:

(Start: 1 @94170 has 3 MA's), (3, 94224), (8, 94320),

Gene: Patbob_142 Start: 97640, Stop: 97981, Start Num: 1

Candidate Starts for Patbob_142:

(Start: 1 @97640 has 3 MA's), (2, 97697), (4, 97715), (6, 97793), (9, 97808), (10, 97817), (13, 97898),

Gene: Phrampa_137 Start: 99174, Stop: 99506, Start Num: 1

Candidate Starts for Phrampa_137:

(Start: 1 @99174 has 3 MA's), (9, 99339), (10, 99348),

Gene: Racecar_144 Start: 97866, Stop: 98207, Start Num: 1

Candidate Starts for Racecar_144:

(Start: 1 @97866 has 3 MA's), (2, 97923), (4, 97941), (5, 97953), (10, 98043), (13, 98124),

Gene: Rockabye_145 Start: 89730, Stop: 90038, Start Num: 1

Candidate Starts for Rockabye_145:

(Start: 1 @89730 has 3 MA's), (2, 89787), (7, 89886), (11, 89940), (12, 89973), (14, 90018),

Gene: Talia1610_145 Start: 97881, Stop: 98222, Start Num: 1

Candidate Starts for Talia1610_145:

(Start: 1 @97881 has 3 MA's), (2, 97938), (4, 97956), (6, 98034), (10, 98058), (13, 98139),

Gene: WaddleDee_137 Start: 93009, Stop: 93314, Start Num: 1

Candidate Starts for WaddleDee_137:

(Start: 1 @93009 has 3 MA's), (2, 93066), (4, 93084), (9, 93177),