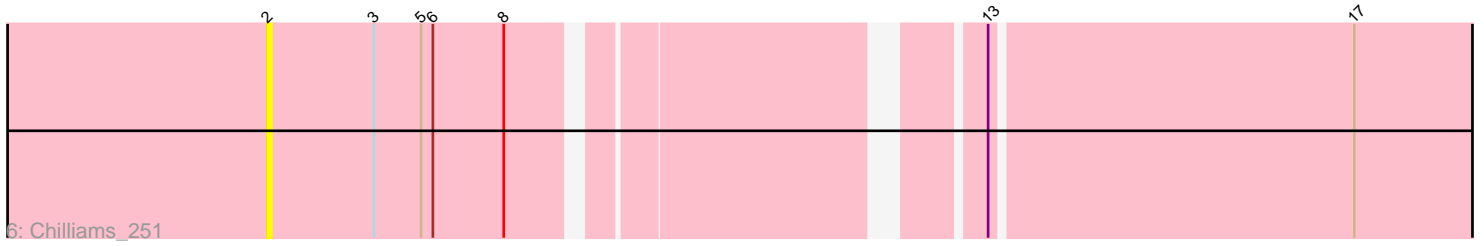
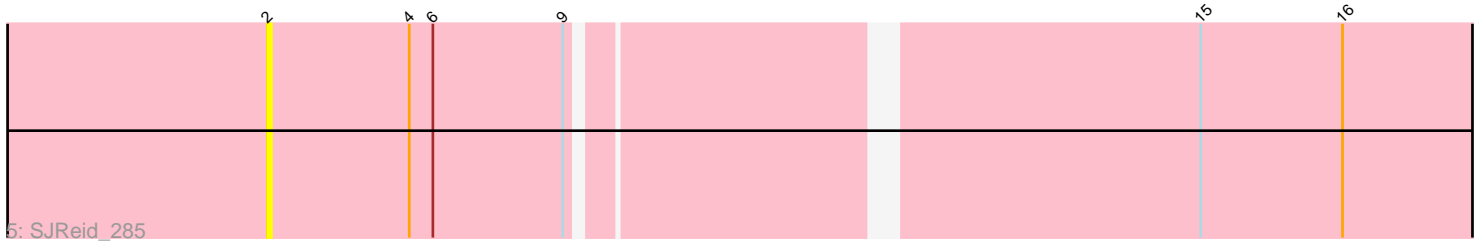
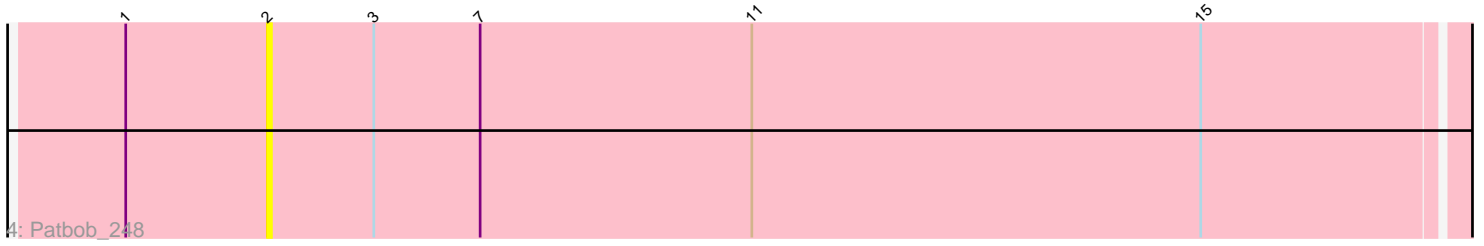
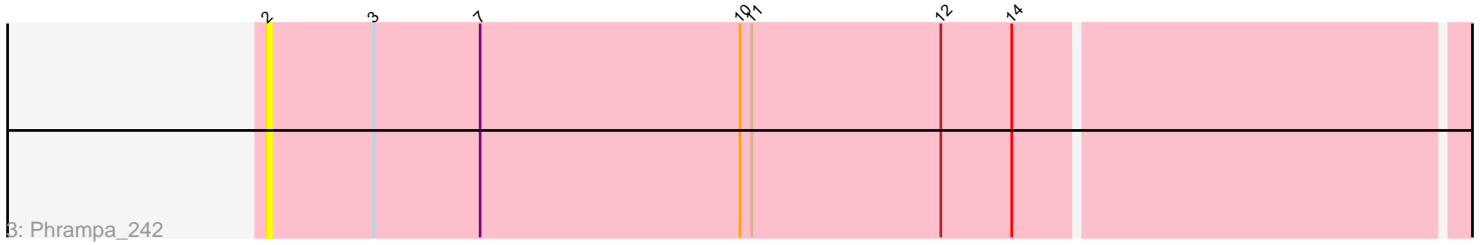
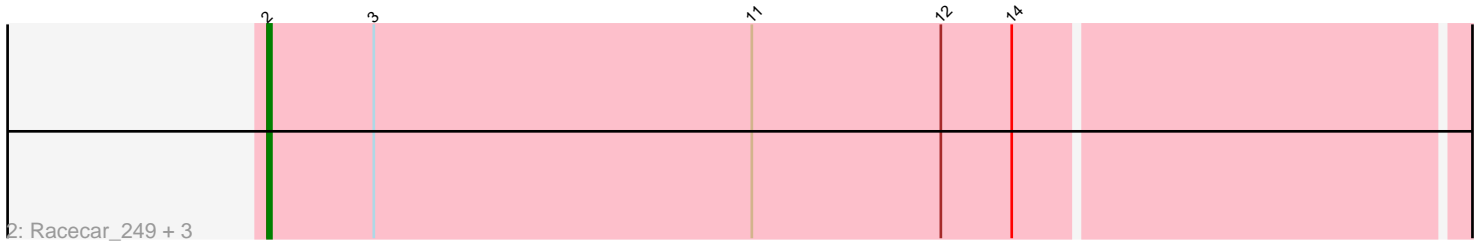
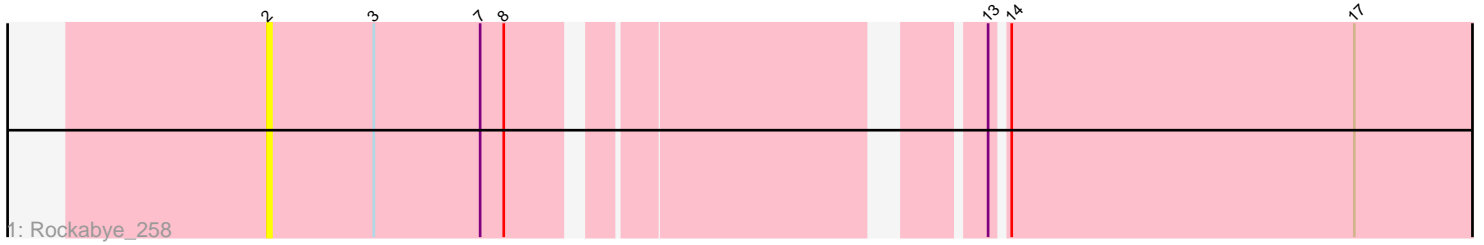


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 198683 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198683 has 9 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Rockabye_258
- Track 2 : Racecar_249, Mimi_252, GoldenEssence_240, Bloom_251
- Track 3 : Phrampa_242
- Track 4 : Patbob_248
- Track 5 : SJReid_285
- Track 6 : Chilliams_251

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_251, Chilliams_251, GoldenEssence_240, Mimi_252, Patbob_248, Phrampa_242, Racecar_249, Rockabye_258, SJReid_285,

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 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 1
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bloom_251 (FC), Chilliams_251 (FC), GoldenEssence_240 (FC), Mimi_252 (FC), Patbob_248 (FC), Phrampa_242 (FC), Racecar_249 (FC), Rockabye_258 (FC), SJReid_285 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

•Start number 2 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Bloom_251 Start: 158983, Stop: 159291, Start Num: 2

Candidate Starts for Bloom_251:

(Start: 2 @158983 has 1 MA's), (3, 159010), (11, 159106), (12, 159154), (14, 159172),

Gene: Chilliams_251 Start: 156089, Stop: 156379, Start Num: 2

Candidate Starts for Chilliams_251:

(Start: 2 @156089 has 1 MA's), (3, 156116), (5, 156128), (6, 156131), (8, 156149), (13, 156251), (17, 156341),

Gene: GoldenEssence_240 Start: 153273, Stop: 153581, Start Num: 2

Candidate Starts for GoldenEssence_240:

(Start: 2 @153273 has 1 MA's), (3, 153300), (11, 153396), (12, 153444), (14, 153462),

Gene: Mimi_252 Start: 158358, Stop: 158666, Start Num: 2

Candidate Starts for Mimi_252:

(Start: 2 @158358 has 1 MA's), (3, 158385), (11, 158481), (12, 158529), (14, 158547),

Gene: Patbob_248 Start: 158637, Stop: 158942, Start Num: 2

Candidate Starts for Patbob_248:

(1, 158601), (Start: 2 @158637 has 1 MA's), (3, 158664), (7, 158691), (11, 158760), (15, 158874),

Gene: Phrampa_242 Start: 160274, Stop: 160582, Start Num: 2

Candidate Starts for Phrampa_242:

(Start: 2 @160274 has 1 MA's), (3, 160301), (7, 160328), (10, 160394), (11, 160397), (12, 160445), (14, 160463),

Gene: Racecar_249 Start: 158737, Stop: 159045, Start Num: 2

Candidate Starts for Racecar_249:

(Start: 2 @158737 has 1 MA's), (3, 158764), (11, 158860), (12, 158908), (14, 158926),

Gene: Rockabye_258 Start: 156303, Stop: 156593, Start Num: 2

Candidate Starts for Rockabye_258:

(Start: 2 @156303 has 1 MA's), (3, 156330), (7, 156357), (8, 156363), (13, 156465), (14, 156468), (17, 156555),

Gene: SJReid_285 Start: 163104, Stop: 163403, Start Num: 2

Candidate Starts for SJReid_285:

(Start: 2 @163104 has 1 MA's), (4, 163140), (6, 163146), (9, 163179), (15, 163326), (16, 163362),