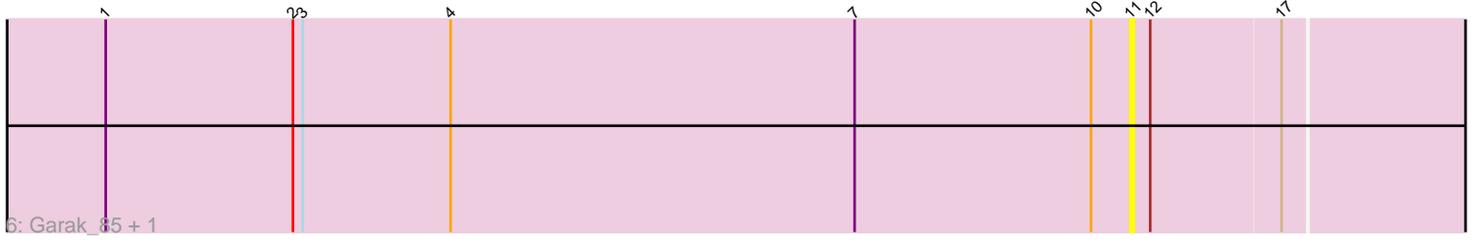
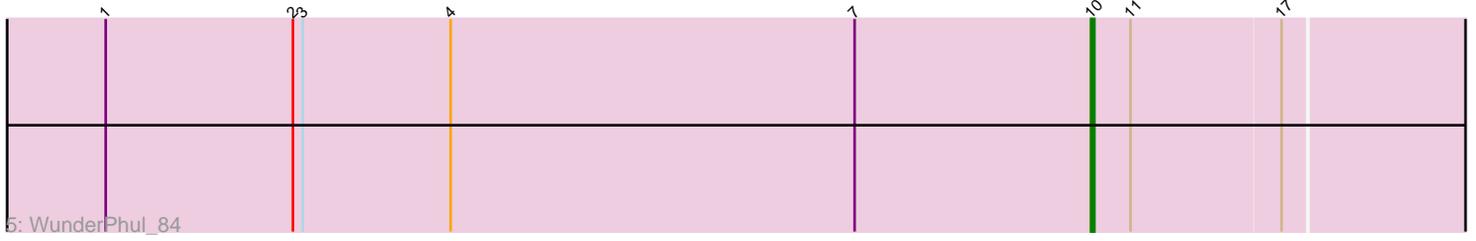
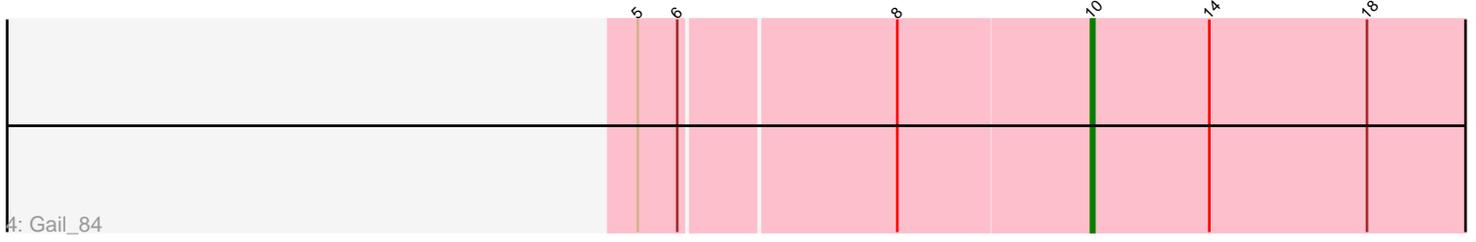
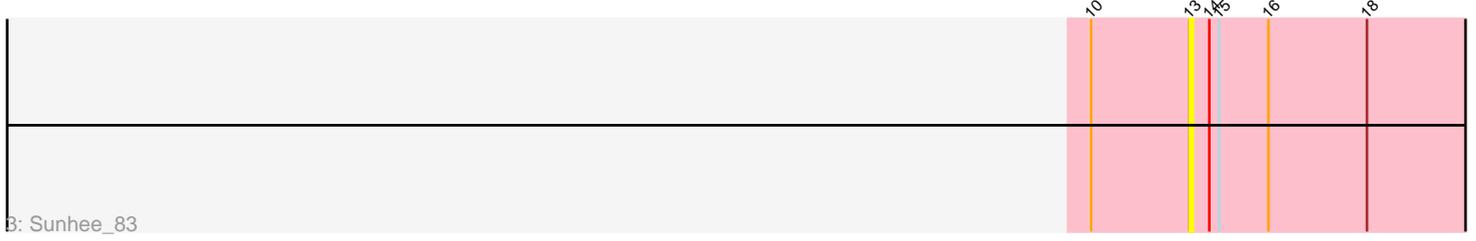
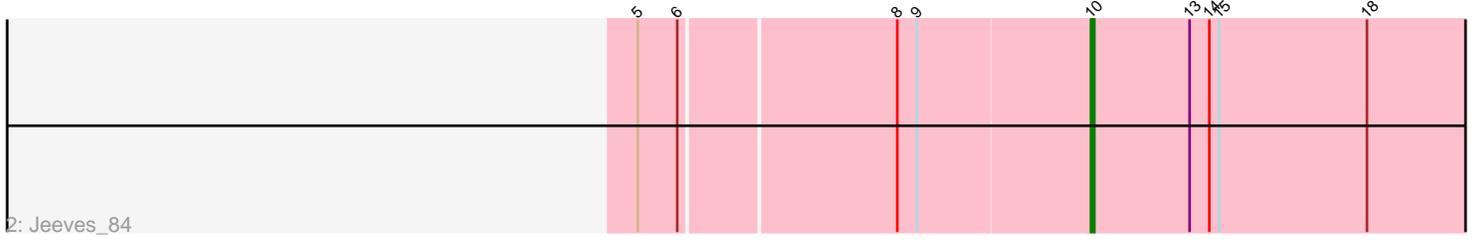
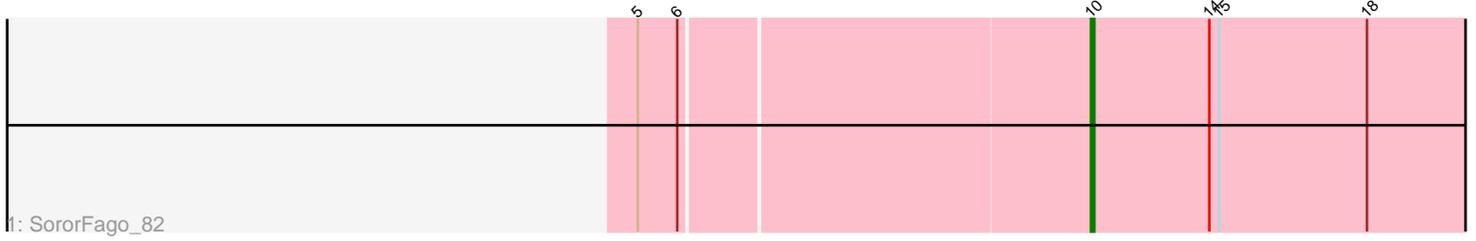


Pham 284520



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 284520 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284520 has 7 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SororFago_82
- Track 2 : Jeeves_84
- Track 3 : Sunhee_83
- Track 4 : Gail_84
- Track 5 : WunderPhul_84
- Track 6 : Garak_85, BennyP_83

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gail_84, Jeeves_84, SororFago_82, WunderPhul_84,

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

- BennyP_83, Garak_85, Sunhee_83,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 10:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Gail_84 (A14), Jeeves_84 (A14), SororFago_82 (A14), WunderPhul_84 (A6),

Start 11:

- Found in 3 of 7 (42.9%) of genes in pham
- No Manual Annotations of this start.
- Called 66.7% of time when present

- Phage (with cluster) where this start called: BennyP_83 (A6), Garak_85 (A6),

Start 13:

- Found in 2 of 7 (28.6%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sunhee_83 (A14),

Summary by clusters:

There are 2 clusters represented in this pham: A14, A6,

Info for manual annotations of cluster A14:

- Start number 10 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A6:

- Start number 10 was manually annotated 1 time for cluster A6.

Gene Information:

Gene: BennyP_83 Start: 45632, Stop: 45381, Start Num: 11

Candidate Starts for BennyP_83:

(1, 45944), (2, 45887), (3, 45884), (4, 45839), (7, 45716), (Start: 10 @45644 has 4 MA's), (11, 45632), (12, 45626), (17, 45587),

Gene: Gail_84 Start: 47375, Stop: 47103, Start Num: 10

Candidate Starts for Gail_84:

(5, 47507), (6, 47495), (8, 47432), (Start: 10 @47375 has 4 MA's), (14, 47339), (18, 47291),

Gene: Garak_85 Start: 45929, Stop: 45678, Start Num: 11

Candidate Starts for Garak_85:

(1, 46241), (2, 46184), (3, 46181), (4, 46136), (7, 46013), (Start: 10 @45941 has 4 MA's), (11, 45929), (12, 45923), (17, 45884),

Gene: Jeeves_84 Start: 46095, Stop: 45823, Start Num: 10

Candidate Starts for Jeeves_84:

(5, 46227), (6, 46215), (8, 46152), (9, 46146), (Start: 10 @46095 has 4 MA's), (13, 46065), (14, 46059), (15, 46056), (18, 46011),

Gene: SororFago_82 Start: 47294, Stop: 47022, Start Num: 10

Candidate Starts for SororFago_82:

(5, 47426), (6, 47414), (Start: 10 @47294 has 4 MA's), (14, 47258), (15, 47255), (18, 47210),

Gene: Sunhee_83 Start: 45554, Stop: 45309, Start Num: 13

Candidate Starts for Sunhee_83:

(Start: 10 @45584 has 4 MA's), (13, 45554), (14, 45548), (15, 45545), (16, 45530), (18, 45500),

Gene: WunderPhul_84 Start: 45570, Stop: 45307, Start Num: 10

Candidate Starts for WunderPhul_84:

(1, 45870), (2, 45813), (3, 45810), (4, 45765), (7, 45642), (Start: 10 @45570 has 4 MA's), (11, 45558), (17, 45513),

