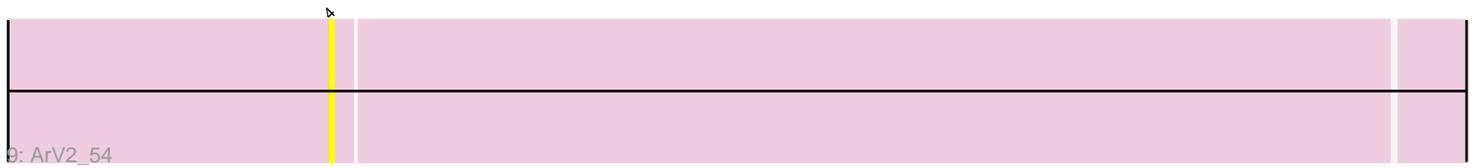
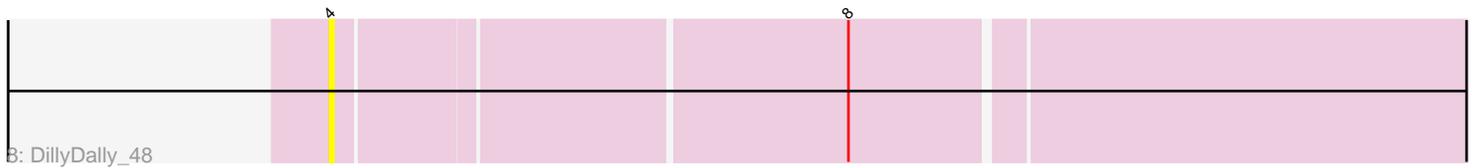
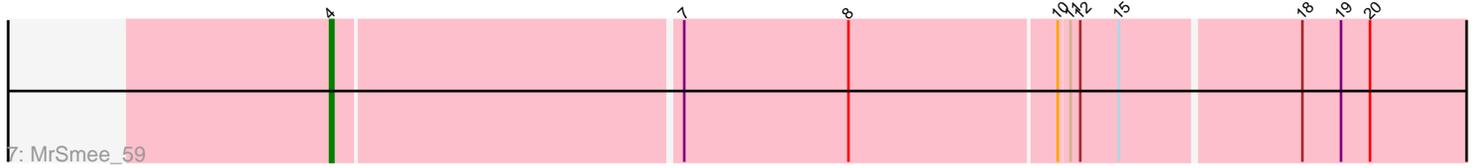
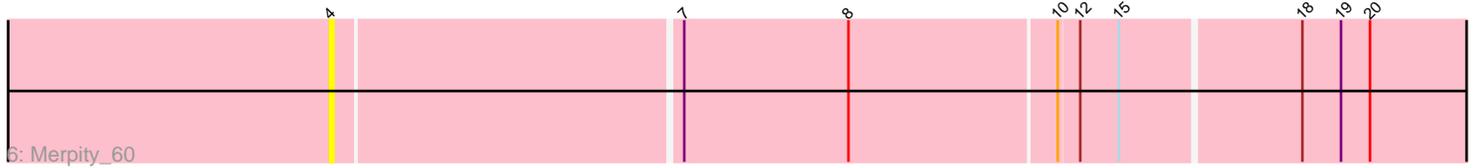
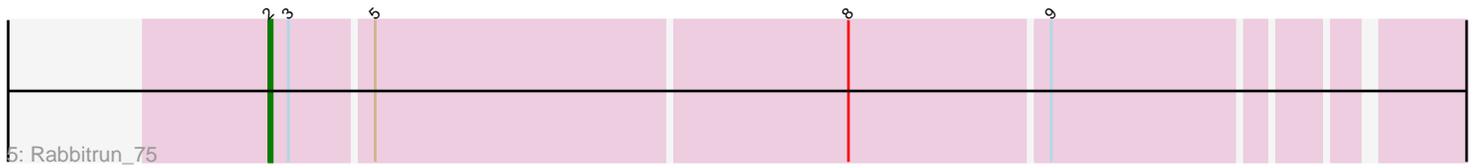
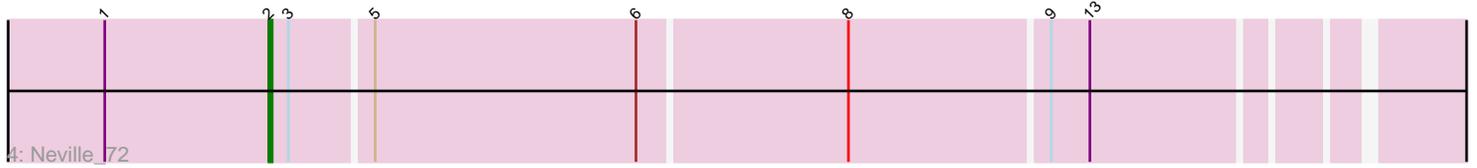
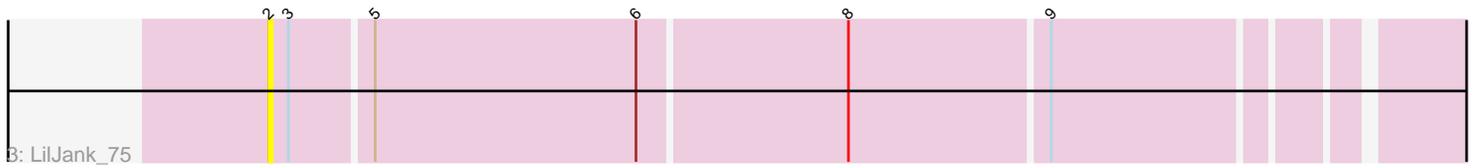
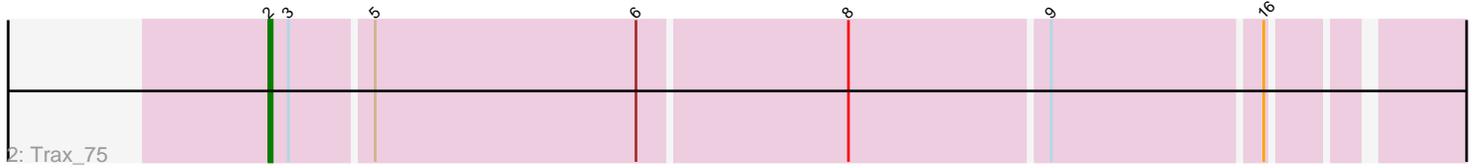


Pham 284356



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 284356 Report

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

Pham number 284356 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Syleon_82, Kudrefre_81, Sephiroth_79, Octobien14_79
- Track 2 : Trax_75
- Track 3 : LilJank_75
- Track 4 : Neville_72
- Track 5 : Rabbitrun_75
- Track 6 : Merpity_60
- Track 7 : MrSmee_59
- Track 8 : DillyDally_48
- Track 9 : ArV2_54

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Kudrefre_81, LilJank_75, Neville_72, Octobien14_79, Rabbitrun_75, Sephiroth_79, Syleon_82, Trax_75,

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

-

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

- ArV2_54, DillyDally_48, Merpity_60, MrSmee_59,

Summary by start number:

Start 2:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_81 (DU1), LilJank_75 (DU2), Neville_72 (DU2), Octobien14_79 (DU1), Rabbitrun_75 (DU2), Sephiroth_79 (DU1), Syleon_82 (DU1), Trax_75 (DU2),

Start 4:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV2_54 (singleton), DillyDally_48 (singleton), Merpity_60 (FQ), MrSmee_59 (FQ),

Summary by clusters:

There are 4 clusters represented in this pham: DU1, singleton, DU2, FQ,

Info for manual annotations of cluster DU1:

- Start number 2 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 2 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster FQ:

- Start number 4 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: ArV2_54 Start: 30423, Stop: 30827, Start Num: 4

Candidate Starts for ArV2_54:

(Start: 4 @30423 has 1 MA's),

Gene: DillyDally_48 Start: 30225, Stop: 30653, Start Num: 4

Candidate Starts for DillyDally_48:

(Start: 4 @30225 has 1 MA's), (8, 30378),

Gene: Kudetre_81 Start: 48344, Stop: 48706, Start Num: 2

Candidate Starts for Kudetre_81:

(Start: 2 @48344 has 7 MA's), (3, 48350), (6, 48455), (14, 48596), (17, 48650),

Gene: LilJank_75 Start: 47536, Stop: 47886, Start Num: 2

Candidate Starts for LilJank_75:

(Start: 2 @47536 has 7 MA's), (3, 47542), (5, 47566), (6, 47647), (8, 47710), (9, 47770),

Gene: Merpity_60 Start: 35023, Stop: 35478, Start Num: 4

Candidate Starts for Merpity_60:

(Start: 4 @35023 has 1 MA's), (7, 35128), (8, 35179), (10, 35242), (12, 35248), (15, 35260), (18, 35314), (19, 35326), (20, 35335),

Gene: MrSmee_59 Start: 34937, Stop: 35392, Start Num: 4

Candidate Starts for MrSmee_59:

(Start: 4 @34937 has 1 MA's), (7, 35042), (8, 35093), (10, 35156), (11, 35159), (12, 35162), (15, 35174), (18, 35228), (19, 35240), (20, 35249),

Gene: Neville_72 Start: 46270, Stop: 46620, Start Num: 2

Candidate Starts for Neville_72:

(1, 46219), (Start: 2 @46270 has 7 MA's), (3, 46276), (5, 46300), (6, 46381), (8, 46444), (9, 46504), (13, 46516),

Gene: Octobien14_79 Start: 47683, Stop: 48045, Start Num: 2

Candidate Starts for Octobien14_79:

(Start: 2 @47683 has 7 MA's), (3, 47689), (6, 47794), (14, 47935), (17, 47989),

Gene: Rabbitrun_75 Start: 46454, Stop: 46804, Start Num: 2

Candidate Starts for Rabbitrun_75:

(Start: 2 @46454 has 7 MA's), (3, 46460), (5, 46484), (8, 46628), (9, 46688),

Gene: Sephiroth_79 Start: 48516, Stop: 48878, Start Num: 2

Candidate Starts for Sephiroth_79:

(Start: 2 @48516 has 7 MA's), (3, 48522), (6, 48627), (14, 48768), (17, 48822),

Gene: Syleon_82 Start: 48454, Stop: 48816, Start Num: 2

Candidate Starts for Syleon_82:

(Start: 2 @48454 has 7 MA's), (3, 48460), (6, 48565), (14, 48706), (17, 48760),

Gene: Trax_75 Start: 47161, Stop: 47511, Start Num: 2

Candidate Starts for Trax_75:

(Start: 2 @47161 has 7 MA's), (3, 47167), (5, 47191), (6, 47272), (8, 47335), (9, 47395), (16, 47458),