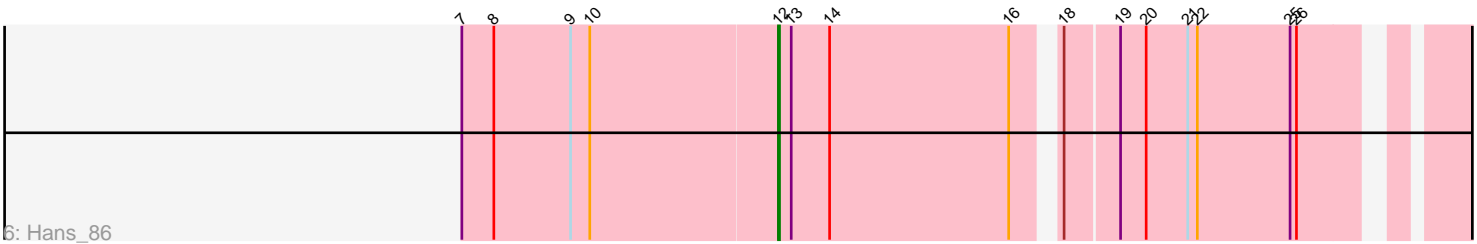
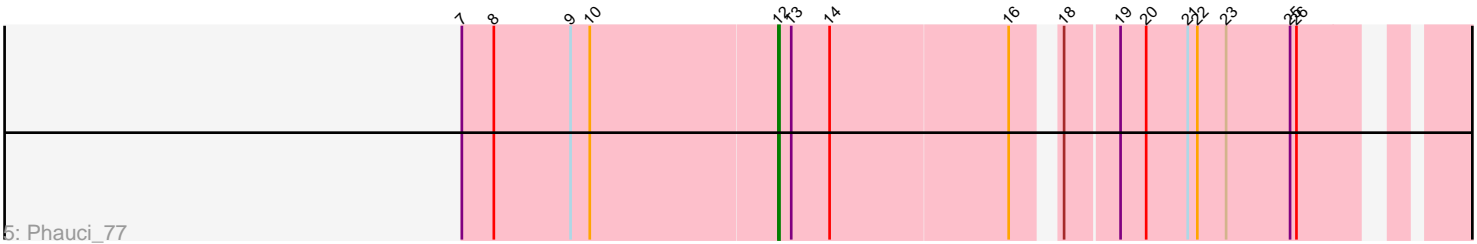
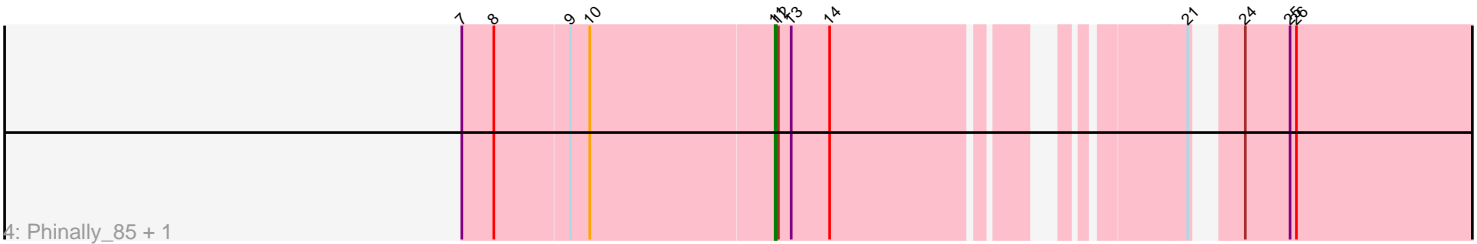
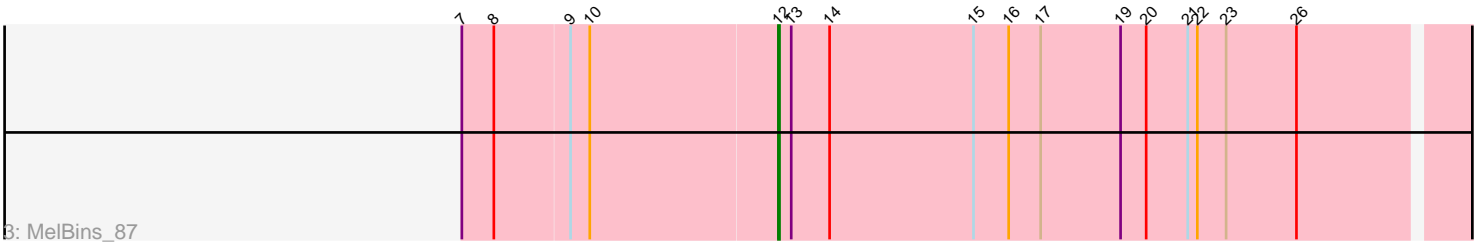
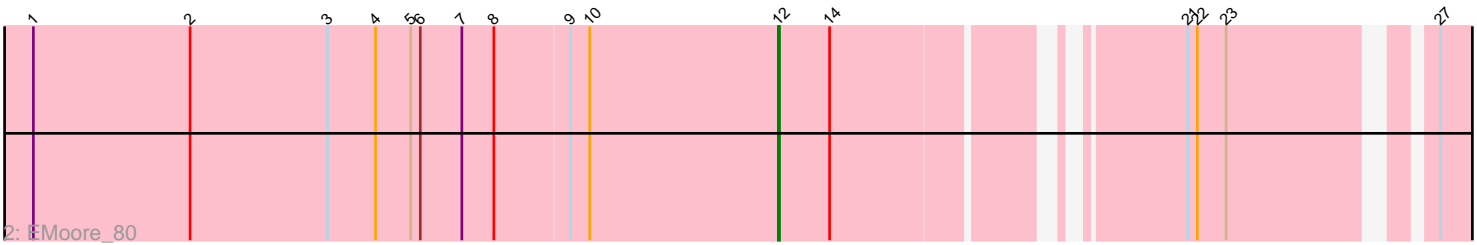
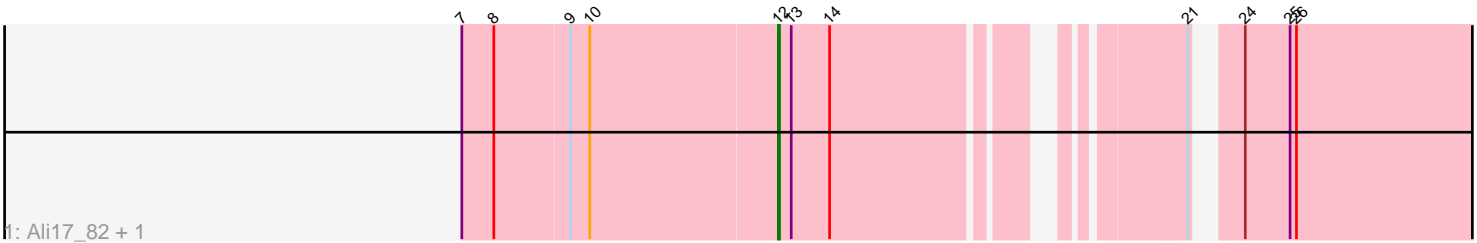


Pham 87758



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 87758 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87758 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ali17_82, Inspectinfecti_86
- Track 2 : EMoore_80
- Track 3 : MelBins_87
- Track 4 : Phinally_85, Leonard_85
- Track 5 : Phauci_77
- Track 6 : Hans_86

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ali17_82, EMoore_80, Hans_86, Inspectinfecti_86, MelBins_87, Phauci_77,

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

- Leonard_85, Phinally_85,

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

-

Summary by start number:

Start 11:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leonard_85 (DE2), Phinally_85 (DE2),

Start 12:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 75.0% of time when present

- Phage (with cluster) where this start called: Ali17_82 (DE2), EMoore_80 (DE2), Hans_86 (DE2), Inspectinfecti_86 (DE2), MelBins_87 (DE2), Phauci_77 (DE2),

Summary by clusters:

There is one cluster represented in this pham: DE2

Info for manual annotations of cluster DE2:

- Start number 11 was manually annotated 2 times for cluster DE2.
- Start number 12 was manually annotated 5 times for cluster DE2.

Gene Information:

Gene: Ali17_82 Start: 57002, Stop: 57556, Start Num: 12

Candidate Starts for Ali17_82:

(7, 56711), (8, 56741), (9, 56810), (10, 56828), (Start: 12 @57002 has 5 MA's), (13, 57014), (14, 57050), (21, 57317), (24, 57341), (25, 57383), (26, 57389),

Gene: EMoore_80 Start: 57561, Stop: 58109, Start Num: 12

Candidate Starts for EMoore_80:

(1, 56865), (2, 57012), (3, 57141), (4, 57186), (5, 57219), (6, 57228), (7, 57267), (8, 57297), (9, 57366), (10, 57384), (Start: 12 @57561 has 5 MA's), (14, 57609), (21, 57882), (22, 57891), (23, 57918), (27, 58077),

Gene: Hans_86 Start: 57929, Stop: 58513, Start Num: 12

Candidate Starts for Hans_86:

(7, 57635), (8, 57665), (9, 57737), (10, 57755), (Start: 12 @57929 has 5 MA's), (13, 57941), (14, 57977), (16, 58145), (18, 58175), (19, 58223), (20, 58247), (21, 58286), (22, 58295), (25, 58382), (26, 58388),

Gene: Inspectinfecti_86 Start: 57906, Stop: 58460, Start Num: 12

Candidate Starts for Inspectinfecti_86:

(7, 57615), (8, 57645), (9, 57714), (10, 57732), (Start: 12 @57906 has 5 MA's), (13, 57918), (14, 57954), (21, 58221), (24, 58245), (25, 58287), (26, 58293),

Gene: Leonard_85 Start: 57966, Stop: 58523, Start Num: 11

Candidate Starts for Leonard_85:

(7, 57678), (8, 57708), (9, 57777), (10, 57795), (Start: 11 @57966 has 2 MA's), (Start: 12 @57969 has 5 MA's), (13, 57981), (14, 58017), (21, 58284), (24, 58308), (25, 58350), (26, 58356),

Gene: MelBins_87 Start: 58376, Stop: 59014, Start Num: 12

Candidate Starts for MelBins_87:

(7, 58085), (8, 58115), (9, 58184), (10, 58202), (Start: 12 @58376 has 5 MA's), (13, 58388), (14, 58424), (15, 58559), (16, 58592), (17, 58622), (19, 58697), (20, 58721), (21, 58760), (22, 58769), (23, 58796), (26, 58862),

Gene: Phauci_77 Start: 55006, Stop: 55587, Start Num: 12

Candidate Starts for Phauci_77:

(7, 54712), (8, 54742), (9, 54814), (10, 54832), (Start: 12 @55006 has 5 MA's), (13, 55018), (14, 55054), (16, 55219), (18, 55249), (19, 55297), (20, 55321), (21, 55360), (22, 55369), (23, 55396), (25, 55456), (26, 55462),

Gene: Phinally_85 Start: 57963, Stop: 58520, Start Num: 11

Candidate Starts for Phinally_85:

(7, 57675), (8, 57705), (9, 57774), (10, 57792), (Start: 11 @57963 has 2 MA's), (Start: 12 @57966 has 5 MA's), (13, 57978), (14, 58014), (21, 58281), (24, 58305), (25, 58347), (26, 58353),