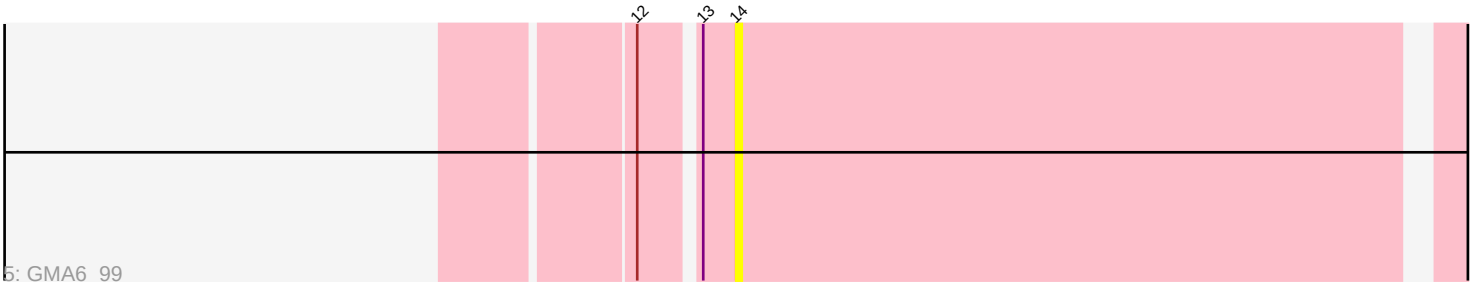
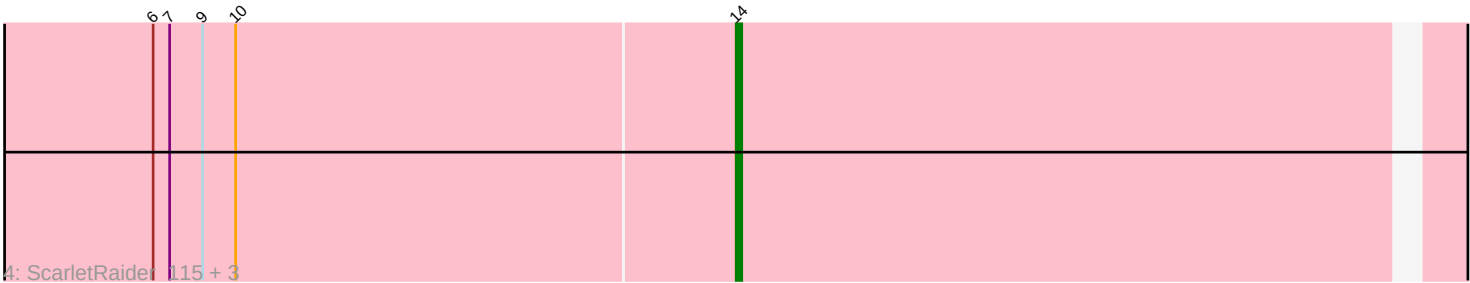
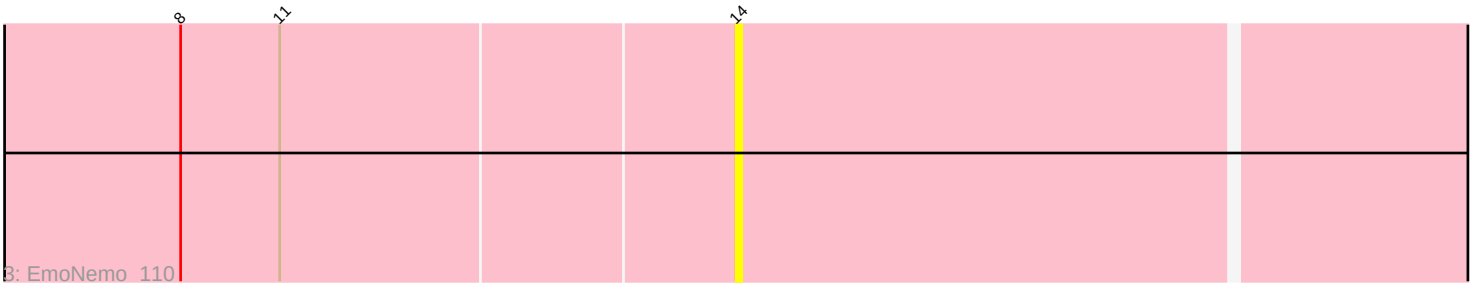
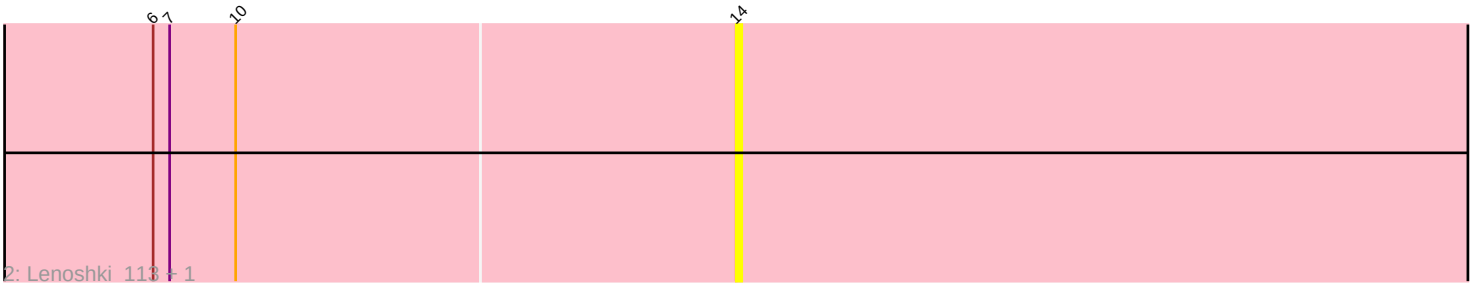
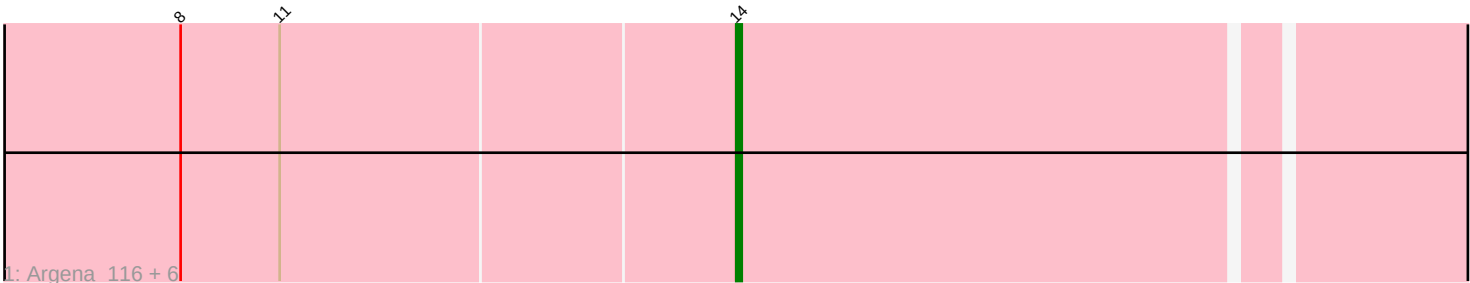


Zoomed Pham 312114



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 312114 Report

This analysis was run 09/05/26 on database version 662.

Pham number 312114 has 15 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Argena_116, Mikronejon_118, Amoonguss_115, MintFritos_114, Pakusa_111, Toneprano_114, Twin_112
- Track 2 : Lenoshki_113, Beted_113
- Track 3 : EmoNemo_110
- Track 4 : ScarletRaider_115, UBSmoodge_119, FruityLoops_117, FlyingTortilla_114
- Track 5 : GMA6_99

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

The start number called the most often in the published annotations is 14, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amoonguss_115, Argena_116, Beted_113, EmoNemo_110, FlyingTortilla_114, FruityLoops_117, GMA6_99, Lenoshki_113, Mikronejon_118, MintFritos_114, Pakusa_111, ScarletRaider_115, Toneprano_114, Twin_112, UBSmoodge_119,

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 14:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amoonguss_115 (DQ), Argena_116 (DQ), Beted_113 (DQ), EmoNemo_110 (DQ), FlyingTortilla_114 (DQ), FruityLoops_117 (DQ), GMA6_99 (DQ), Lenoshki_113 (DQ), Mikronejon_118 (DQ), MintFritos_114 (DQ), Pakusa_111 (DQ), ScarletRaider_115 (DQ), Toneprano_114 (DQ), Twin_112 (DQ), UBSmoodge_119 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

•Start number 14 was manually annotated 5 times for cluster DQ.

Gene Information:

Gene: Amoonguss_115 Start: 81633, Stop: 81944, Start Num: 14

Candidate Starts for Amoonguss_115:

(2, 81351), (3, 81360), (4, 81381), (5, 81420), (8, 81534), (11, 81552), (Start: 14 @81633 has 5 MA's),

Gene: Argena_116 Start: 82049, Stop: 82360, Start Num: 14

Candidate Starts for Argena_116:

(2, 81767), (3, 81776), (4, 81797), (5, 81836), (8, 81950), (11, 81968), (Start: 14 @82049 has 5 MA's),

Gene: Beted_113 Start: 82907, Stop: 83224, Start Num: 14

Candidate Starts for Beted_113:

(6, 82802), (7, 82805), (10, 82817), (Start: 14 @82907 has 5 MA's),

Gene: EmoNemo_110 Start: 81198, Stop: 81512, Start Num: 14

Candidate Starts for EmoNemo_110:

(1, 80907), (2, 80916), (3, 80925), (4, 80946), (5, 80985), (8, 81099), (11, 81117), (Start: 14 @81198 has 5 MA's),

Gene: FlyingTortilla_114 Start: 84976, Stop: 85263, Start Num: 14

Candidate Starts for FlyingTortilla_114:

(6, 84871), (7, 84874), (9, 84880), (10, 84886), (Start: 14 @84976 has 5 MA's),

Gene: FruityLoops_117 Start: 84482, Stop: 84769, Start Num: 14

Candidate Starts for FruityLoops_117:

(6, 84377), (7, 84380), (9, 84386), (10, 84392), (Start: 14 @84482 has 5 MA's),

Gene: GMA6_99 Start: 72859, Stop: 73206, Start Num: 14

Candidate Starts for GMA6_99:

(12, 72844), (13, 72853), (Start: 14 @72859 has 5 MA's),

Gene: Lenoshki_113 Start: 82907, Stop: 83224, Start Num: 14

Candidate Starts for Lenoshki_113:

(6, 82802), (7, 82805), (10, 82817), (Start: 14 @82907 has 5 MA's),

Gene: Mikronejon_118 Start: 81476, Stop: 81790, Start Num: 14

Candidate Starts for Mikronejon_118:

(2, 81194), (3, 81203), (4, 81224), (5, 81263), (8, 81377), (11, 81395), (Start: 14 @81476 has 5 MA's),

Gene: MintFritos_114 Start: 81954, Stop: 82265, Start Num: 14

Candidate Starts for MintFritos_114:

(2, 81672), (3, 81681), (4, 81702), (5, 81741), (8, 81855), (11, 81873), (Start: 14 @81954 has 5 MA's),

Gene: Pakusa_111 Start: 80924, Stop: 81238, Start Num: 14

Candidate Starts for Pakusa_111:

(2, 80642), (3, 80651), (4, 80672), (5, 80711), (8, 80825), (11, 80843), (Start: 14 @80924 has 5 MA's),

Gene: ScarletRaider_115 Start: 84193, Stop: 84480, Start Num: 14

Candidate Starts for ScarletRaider_115:

(6, 84088), (7, 84091), (9, 84097), (10, 84103), (Start: 14 @84193 has 5 MA's),

Gene: Toneprano_114 Start: 81647, Stop: 81958, Start Num: 14

Candidate Starts for Toneprano_114:

(2, 81365), (3, 81374), (4, 81395), (5, 81434), (8, 81548), (11, 81566), (Start: 14 @81647 has 5 MA's),

Gene: Twin_112 Start: 81677, Stop: 81988, Start Num: 14

Candidate Starts for Twin_112:

(2, 81395), (3, 81404), (4, 81425), (5, 81464), (8, 81578), (11, 81596), (Start: 14 @81677 has 5 MA's),

Gene: UBSmoodge_119 Start: 84763, Stop: 85050, Start Num: 14

Candidate Starts for UBSmoodge_119:

(6, 84658), (7, 84661), (9, 84667), (10, 84673), (Start: 14 @84763 has 5 MA's),