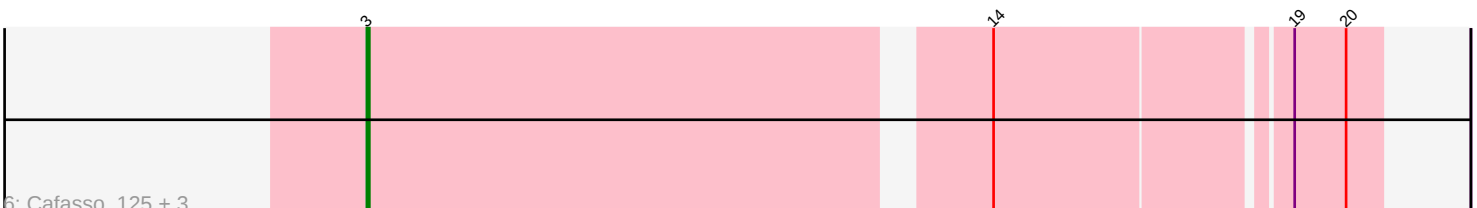
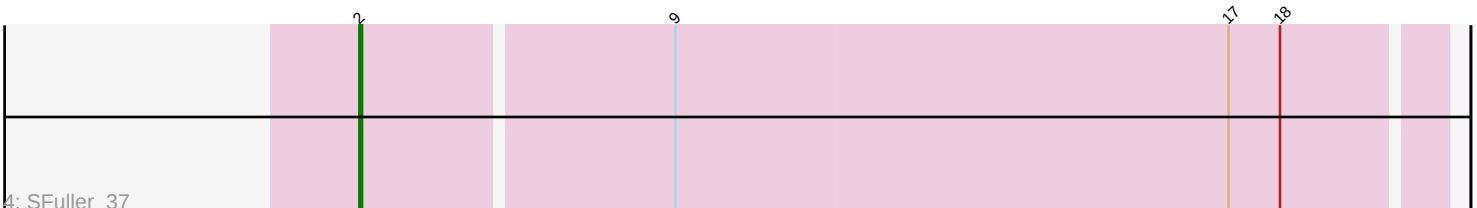
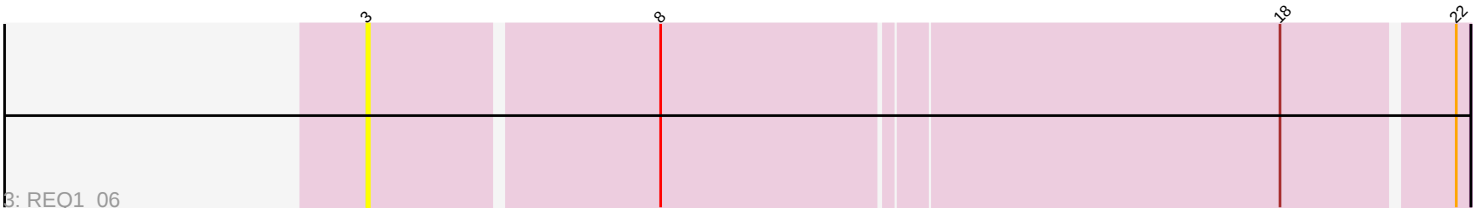
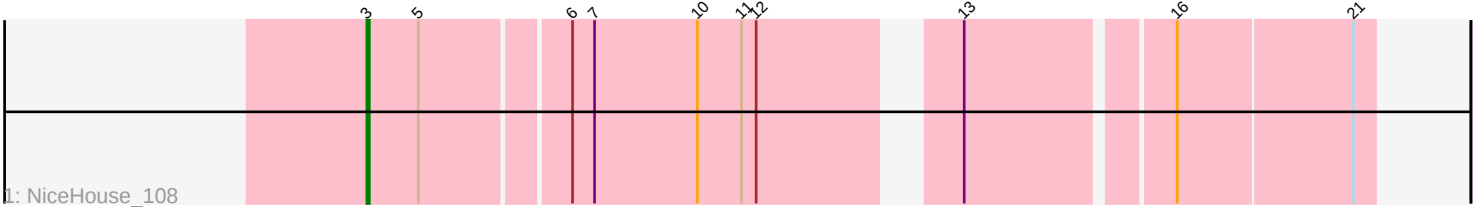


Pham 309749



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 309749 Report

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

Pham number 309749 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : NiceHouse_108
- Track 2 : Jflix2_36
- Track 3 : REQ1_06
- Track 4 : SFuller_37
- Track 5 : Madraxi_42
- Track 6 : Cafasso_125, ObLaDi_124, ModicumRichard_125, Aleemily_123
- Track 7 : Morgana_132

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aleemily_123, Cafasso_125, Madraxi_42, ModicumRichard_125, Morgana_132, NiceHouse_108, ObLaDi_124, REQ1_06,

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

-

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

- Jflix2_36, SFuller_37,

Summary by start number:

Start 2:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jflix2_36 (CF), SFuller_37 (CF),

Start 3:

- Found in 8 of 10 (80.0%) of genes in pham
- Manual Annotations of this start: 7 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_123 (DZ), Cafasso_125 (DZ), Madraxi_42 (CF), ModicumRichard_125 (DZ), Morgana_132 (DZ), NiceHouse_108 (CE), ObLaDi_124 (DZ), REQ1_06 (CF),

Summary by clusters:

There are 3 clusters represented in this pham: DZ, CF, CE,

Info for manual annotations of cluster CE:

- Start number 3 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CF:

- Start number 2 was manually annotated 2 times for cluster CF.
- Start number 3 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster DZ:

- Start number 3 was manually annotated 5 times for cluster DZ.

Gene Information:

Gene: Aleemily_123 Start: 66811, Stop: 66425, Start Num: 3

Candidate Starts for Aleemily_123:

(Start: 3 @66811 has 7 MA's), (14, 66571), (19, 66460), (20, 66439),

Gene: Cafasso_125 Start: 67416, Stop: 67030, Start Num: 3

Candidate Starts for Cafasso_125:

(Start: 3 @67416 has 7 MA's), (14, 67176), (19, 67065), (20, 67044),

Gene: Jflix2_36 Start: 30147, Stop: 29722, Start Num: 2

Candidate Starts for Jflix2_36:

(1, 30261), (Start: 2 @30147 has 2 MA's), (9, 30024), (17, 29805), (18, 29784),

Gene: Madraxi_42 Start: 33358, Stop: 32918, Start Num: 3

Candidate Starts for Madraxi_42:

(Start: 3 @33358 has 7 MA's), (4, 33343), (9, 33238), (17, 33013),

Gene: ModicumRichard_125 Start: 67704, Stop: 67318, Start Num: 3

Candidate Starts for ModicumRichard_125:

(Start: 3 @67704 has 7 MA's), (14, 67464), (19, 67353), (20, 67332),

Gene: Morgana_132 Start: 69875, Stop: 69489, Start Num: 3

Candidate Starts for Morgana_132:

(Start: 3 @69875 has 7 MA's), (14, 69635), (15, 69614), (19, 69524), (20, 69503),

Gene: NiceHouse_108 Start: 77053, Stop: 77427, Start Num: 3

Candidate Starts for NiceHouse_108:

(Start: 3 @77053 has 7 MA's), (5, 77074), (6, 77131), (7, 77140), (10, 77182), (11, 77200), (12, 77206), (13, 77272), (16, 77350), (21, 77419),

Gene: ObLaDi_124 Start: 67106, Stop: 66720, Start Num: 3

Candidate Starts for ObLaDi_124:

(Start: 3 @67106 has 7 MA's), (14, 66866), (19, 66755), (20, 66734),

Gene: REQ1_06 Start: 1936, Stop: 1505, Start Num: 3

Candidate Starts for REQ1_06:

(Start: 3 @1936 has 7 MA's), (8, 1822), (18, 1576), (22, 1510),

Gene: SFuller_37 Start: 30508, Stop: 30077, Start Num: 2

Candidate Starts for SFuller_37:

(Start: 2 @30508 has 2 MA's), (9, 30385), (17, 30160), (18, 30139),