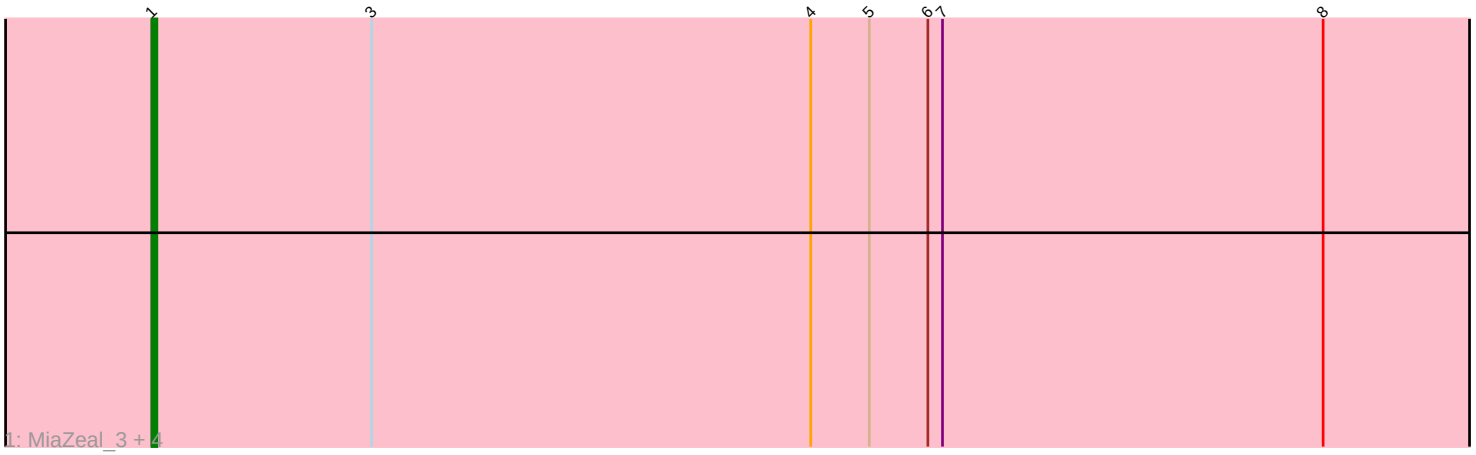
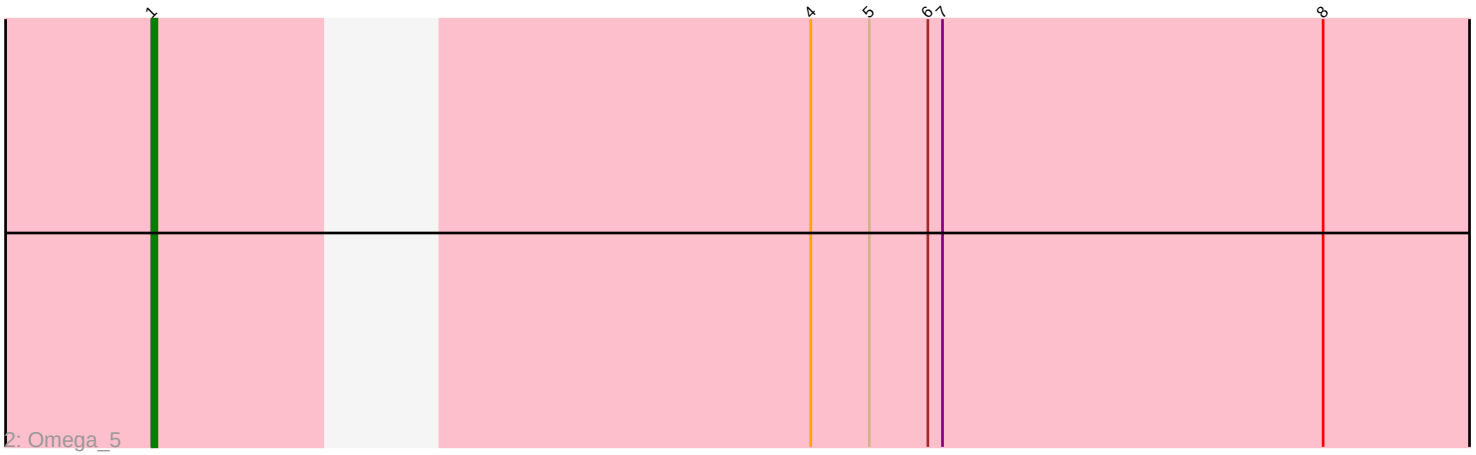
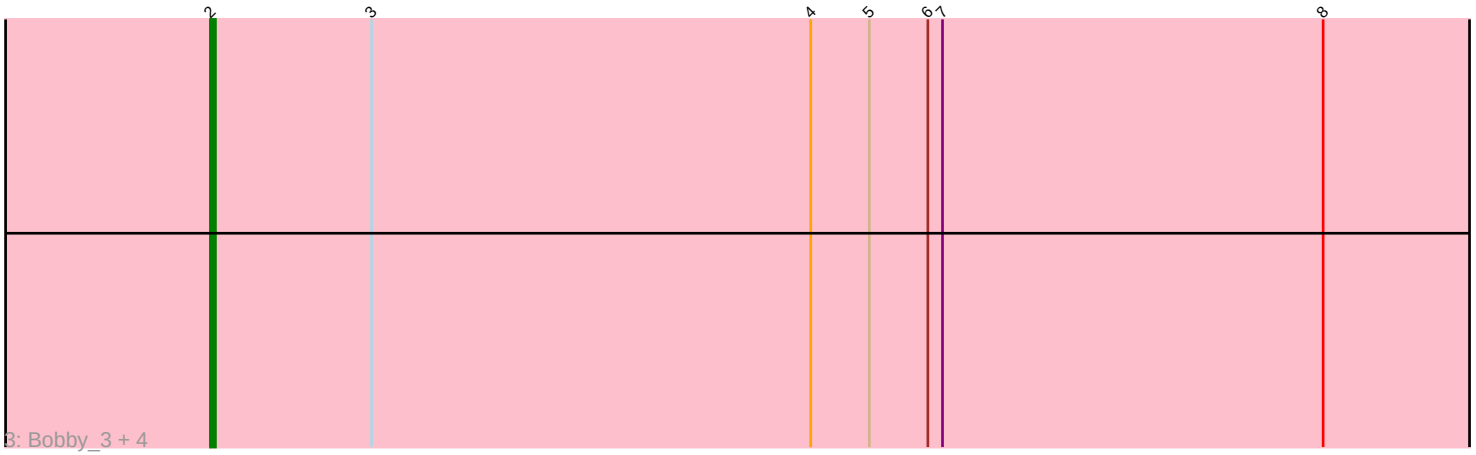
Pham 5301







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 5301 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5301 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : MiaZeal_3, Lucky2013_3, LittleE_3, Porcelain_3, Squint_3
• Track 2 : Omega_5
• Track 3 : Bobby_3, Halley_2, Redno2_2, Beem_2, Ejimix_3

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

The start number called the most often in the published annotations is 1, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• LittleE_3, Lucky2013_3, MiaZeal_3, Omega_5, Porcelain_3, Squint_3,

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

Genes that do not have the "Most Annotated" start:
• Beem_2, Bobby_3, Ejimix_3, Halley_2, Redno2_2,

Summary by start number:

Start 1:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleE_3 (J), Lucky2013_3 (J), MiaZeal_3 (J), Omega_5 (J), Porcelain_3 (J), Squint_3 (J),

Start 2:
• Found in 5 of 11 (45.5%) of genes in pham
• Manual Annotations of this start: 5 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beem_2 (J), Bobby_3 (J), Ejimix_3 (J), Halley_2 (J), Redno2_2 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:
•Start number 1 was manually annotated 6 times for cluster J.
•Start number 2 was manually annotated 5 times for cluster J.

Gene Information:

Gene: Beem_2 Start: 953, Stop: 1228, Start Num: 2
Candidate Starts for Beem_2:
(Start: 2 @953 has 5 MA's), (3, 986), (4, 1076), (5, 1088), (6, 1100), (7, 1103), (8, 1181),

Gene: Bobby_3 Start: 1703, Stop: 1978, Start Num: 2
Candidate Starts for Bobby_3:
(Start: 2 @1703 has 5 MA's), (3, 1736), (4, 1826), (5, 1838), (6, 1850), (7, 1853), (8, 1931),

Gene: Ejimix_3 Start: 1703, Stop: 1978, Start Num: 2
Candidate Starts for Ejimix_3:
(Start: 2 @1703 has 5 MA's), (3, 1736), (4, 1826), (5, 1838), (6, 1850), (7, 1853), (8, 1931),

Gene: Halley_2 Start: 953, Stop: 1228, Start Num: 2
Candidate Starts for Halley_2:
(Start: 2 @953 has 5 MA's), (3, 986), (4, 1076), (5, 1088), (6, 1100), (7, 1103), (8, 1181),

Gene: LittleE_3 Start: 1347, Stop: 1634, Start Num: 1
Candidate Starts for LittleE_3:
(Start: 1 @1347 has 6 MA's), (3, 1392), (4, 1482), (5, 1494), (6, 1506), (7, 1509), (8, 1587),

Gene: Lucky2013_3 Start: 1403, Stop: 1690, Start Num: 1
Candidate Starts for Lucky2013_3:
(Start: 1 @1403 has 6 MA's), (3, 1448), (4, 1538), (5, 1550), (6, 1562), (7, 1565), (8, 1643),

Gene: MiaZeal_3 Start: 1472, Stop: 1759, Start Num: 1
Candidate Starts for MiaZeal_3:
(Start: 1 @1472 has 6 MA's), (3, 1517), (4, 1607), (5, 1619), (6, 1631), (7, 1634), (8, 1712),

Gene: Omega_5 Start: 2707, Stop: 2970, Start Num: 1
Candidate Starts for Omega_5:
(Start: 1 @2707 has 6 MA's), (4, 2818), (5, 2830), (6, 2842), (7, 2845), (8, 2923),

Gene: Porcelain_3 Start: 1472, Stop: 1759, Start Num: 1
Candidate Starts for Porcelain_3:
(Start: 1 @1472 has 6 MA's), (3, 1517), (4, 1607), (5, 1619), (6, 1631), (7, 1634), (8, 1712),

Gene: Redno2_2 Start: 953, Stop: 1228, Start Num: 2
Candidate Starts for Redno2_2:
(Start: 2 @953 has 5 MA's), (3, 986), (4, 1076), (5, 1088), (6, 1100), (7, 1103), (8, 1181),

Gene: Squint_3 Start: 1403, Stop: 1690, Start Num: 1

Candidate Starts for Squint_3:
(Start: 1 @1403 has 6 MA's), (3, 1448), (4, 1538), (5, 1550), (6, 1562), (7, 1565), (8, 1643),