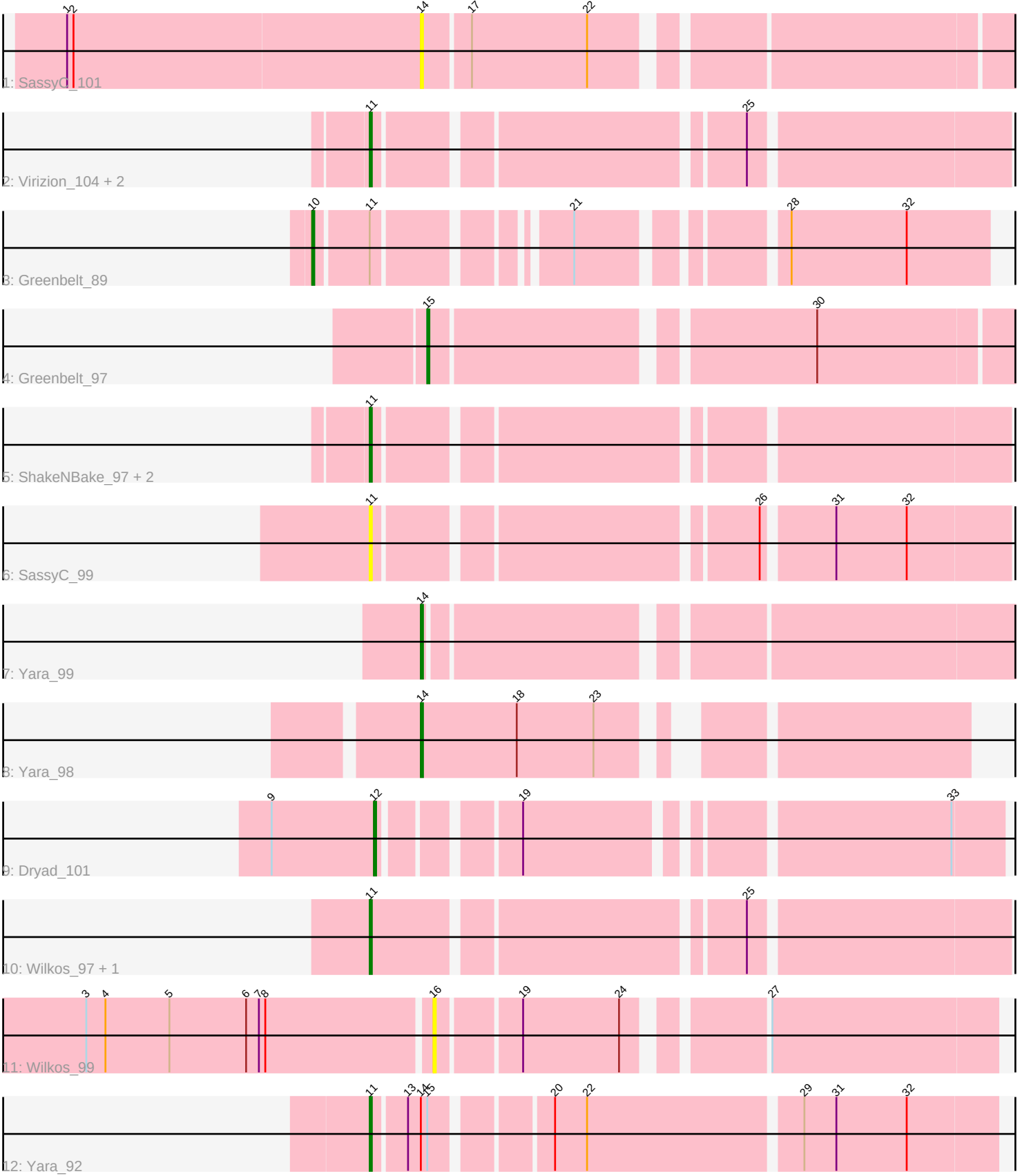


Pham 309414



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 309414 Report

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

Pham number 309414 has 17 members, 5 are drafts.

Phages represented in each track:

- Track 1 : SassyC_101
- Track 2 : Virizion_104, Gibson_98, Rooney_98
- Track 3 : Greenbelt_89
- Track 4 : Greenbelt_97
- Track 5 : ShakeNBake_97, PHTowN_97, Lizz_97
- Track 6 : SassyC_99
- Track 7 : Yara_99
- Track 8 : Yara_98
- Track 9 : Dryad_101
- Track 10 : Wilkos_97, Wentworth_96
- Track 11 : Wilkos_99
- Track 12 : Yara_92

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

The start number called the most often in the published annotations is 11, it was called in 7 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gibson_98, Lizz_97, PHTowN_97, Rooney_98, SassyC_99, ShakeNBake_97, Virizion_104, Wentworth_96, Wilkos_97, Yara_92,

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

- Greenbelt_89,

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

- Dryad_101, Greenbelt_97, SassyC_101, Wilkos_99, Yara_98, Yara_99,

Summary by start number:

Start 10:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Greenbelt_89 (BN),

Start 11:

- Found in 11 of 17 (64.7%) of genes in pham
- Manual Annotations of this start: 7 of 12
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Gibson_98 (BN), Lizz_97 (BN), PHTown_97 (BN), Rooney_98 (BN), SassyC_99 (BN), ShakeNBake_97 (BN), Virizion_104 (BN), Wentworth_96 (BN), Wilkos_97 (BN), Yara_92 (BN),

Start 12:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dryad_101 (BN),

Start 14:

- Found in 4 of 17 (23.5%) of genes in pham
- Manual Annotations of this start: 2 of 12
- Called 75.0% of time when present
- Phage (with cluster) where this start called: SassyC_101 (BN), Yara_98 (BN), Yara_99 (BN),

Start 15:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Greenbelt_97 (BN),

Start 16:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wilkos_99 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:

- Start number 10 was manually annotated 1 time for cluster BN.
- Start number 11 was manually annotated 7 times for cluster BN.
- Start number 12 was manually annotated 1 time for cluster BN.
- Start number 14 was manually annotated 2 times for cluster BN.
- Start number 15 was manually annotated 1 time for cluster BN.

Gene Information:

Gene: Dryad_101 Start: 63722, Stop: 63465, Start Num: 12

Candidate Starts for Dryad_101:

(9, 63770), (Start: 12 @63722 has 1 MA's), (19, 63668), (33, 63488),

Gene: Gibson_98 Start: 63535, Stop: 63263, Start Num: 11

Candidate Starts for Gibson_98:

(Start: 11 @63535 has 7 MA's), (25, 63379),

Gene: Greenbelt_89 Start: 56808, Stop: 56536, Start Num: 10

Candidate Starts for Greenbelt_89:

(Start: 10 @56808 has 1 MA's), (Start: 11 @56784 has 7 MA's), (21, 56709), (28, 56628), (32, 56574),

Gene: Greenbelt_97 Start: 59957, Stop: 59700, Start Num: 15

Candidate Starts for Greenbelt_97:

(Start: 15 @59957 has 1 MA's), (30, 59792),

Gene: Lizz_97 Start: 63616, Stop: 63344, Start Num: 11

Candidate Starts for Lizz_97:

(Start: 11 @63616 has 7 MA's),

Gene: PHTown_97 Start: 63614, Stop: 63342, Start Num: 11

Candidate Starts for PHTown_97:

(Start: 11 @63614 has 7 MA's),

Gene: Rooney_98 Start: 63549, Stop: 63277, Start Num: 11

Candidate Starts for Rooney_98:

(Start: 11 @63549 has 7 MA's), (25, 63393),

Gene: SassyC_101 Start: 63435, Stop: 63178, Start Num: 14

Candidate Starts for SassyC_101:

(1, 63600), (2, 63597), (Start: 14 @63435 has 2 MA's), (17, 63414), (22, 63360),

Gene: SassyC_99 Start: 62580, Stop: 62308, Start Num: 11

Candidate Starts for SassyC_99:

(Start: 11 @62580 has 7 MA's), (26, 62418), (31, 62388), (32, 62355),

Gene: ShakeNBake_97 Start: 63642, Stop: 63370, Start Num: 11

Candidate Starts for ShakeNBake_97:

(Start: 11 @63642 has 7 MA's),

Gene: Virizion_104 Start: 63749, Stop: 63477, Start Num: 11

Candidate Starts for Virizion_104:

(Start: 11 @63749 has 7 MA's), (25, 63593),

Gene: Wentworth_96 Start: 62560, Stop: 62288, Start Num: 11

Candidate Starts for Wentworth_96:

(Start: 11 @62560 has 7 MA's), (25, 62404),

Gene: Wilkos_97 Start: 62669, Stop: 62394, Start Num: 11

Candidate Starts for Wilkos_97:

(Start: 11 @62669 has 7 MA's), (25, 62510),

Gene: Wilkos_99 Start: 63592, Stop: 63353, Start Num: 16

Candidate Starts for Wilkos_99:

(3, 63751), (4, 63742), (5, 63712), (6, 63676), (7, 63670), (8, 63667), (16, 63592), (19, 63556), (24, 63511), (27, 63457),

Gene: Yara_99 Start: 63271, Stop: 63014, Start Num: 14
Candidate Starts for Yara_99:
(Start: 14 @63271 has 2 MA's),

Gene: Yara_98 Start: 62883, Stop: 62656, Start Num: 14
Candidate Starts for Yara_98:
(Start: 14 @62883 has 2 MA's), (18, 62838), (23, 62802),

Gene: Yara_92 Start: 60610, Stop: 60338, Start Num: 11
Candidate Starts for Yara_92:
(Start: 11 @60610 has 7 MA's), (13, 60595), (Start: 14 @60589 has 2 MA's), (Start: 15 @60586 has 1 MA's), (20, 60538), (22, 60523), (29, 60427), (31, 60412), (32, 60379),