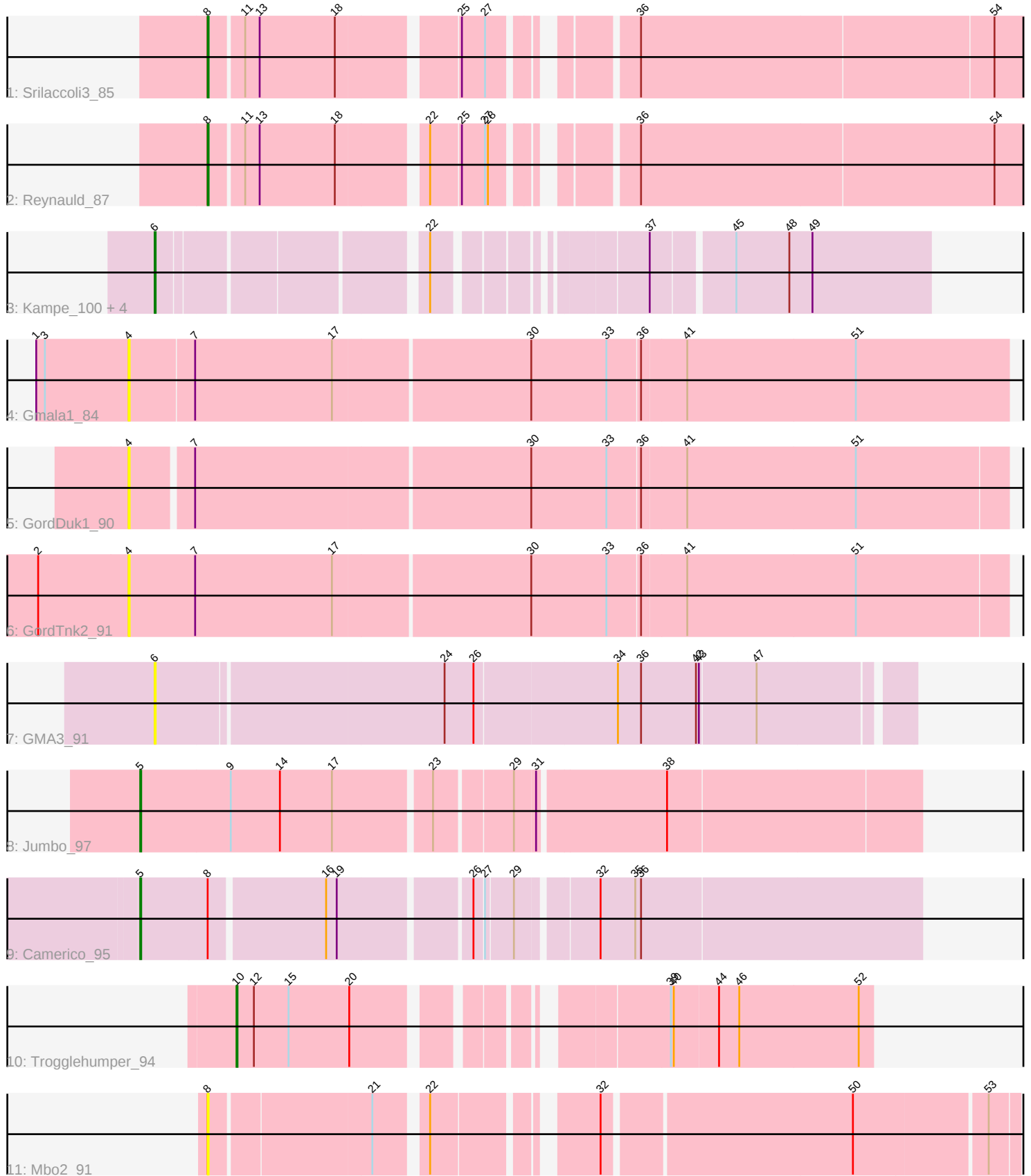


Pham 309522



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 309522 Report

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

Pham number 309522 has 15 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Srilaccoli3_85
- Track 2 : Reynauld_87
- Track 3 : Kampe_100, RobinSparkles_105, PatrickStar_100, Orchid_99, Gibbles_99
- Track 4 : Gmala1_84
- Track 5 : GordDuk1_90
- Track 6 : GordTnk2_91
- Track 7 : GMA3_91
- Track 8 : Jumbo_97
- Track 9 : Camerico_95
- Track 10 : Trogglehumper_94
- Track 11 : Mbo2_91

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GMA3_91, Gibbles_99, Kampe_100, Orchid_99, PatrickStar_100, RobinSparkles_105,

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

-

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

- Camerico_95, Gmala1_84, GordDuk1_90, GordTnk2_91, Jumbo_97, Mbo2_91, Reynauld_87, Srilaccoli3_85, Trogglehumper_94,

Summary by start number:

Start 4:

- Found in 3 of 15 (20.0%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Gmala1_84 (DF1), GordDuk1_90 (DF1), GordTnk2_91 (DF1),

Start 5:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Camerico_95 (DF4), Jumbo_97 (DF3),

Start 6:

- Found in 6 of 15 (40.0%) of genes in pham
- Manual Annotations of this start: 5 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GMA3_91 (DF2), Gibbles_99 (CX), Kampe_100 (CX), Orchid_99 (CX), PatrickStar_100 (CX), RobinSparkles_105 (CX),

Start 8:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 2 of 10
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Mbo2_91 (singleton), Reynauld_87 (CH), Srilacoli3_85 (CH),

Start 10:

- Found in 1 of 15 (6.7%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Trogglehumper_94 (singleton),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, CH, DF4, DF1, DF3, DF2, CX,

Info for manual annotations of cluster CH:

- Start number 8 was manually annotated 2 times for cluster CH.

Info for manual annotations of cluster CX:

- Start number 6 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DF3:

- Start number 5 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 5 was manually annotated 1 time for cluster DF4.

Gene Information:

Gene: Camerico_95 Start: 74949, Stop: 74191, Start Num: 5

Candidate Starts for Camerico_95:

(Start: 5 @74949 has 2 MA's), (Start: 8 @74880 has 2 MA's), (16, 74766), (19, 74757), (26, 74631), (27, 74622), (29, 74595), (32, 74520), (35, 74484), (36, 74478),

Gene: GMA3_91 Start: 68085, Stop: 67333, Start Num: 6

Candidate Starts for GMA3_91:

(Start: 6 @68085 has 5 MA's), (24, 67797), (26, 67767), (34, 67623), (36, 67599), (42, 67542), (43, 67539), (47, 67482),

Gene: Gibbles_99 Start: 71835, Stop: 71146, Start Num: 6

Candidate Starts for Gibbles_99:

(Start: 6 @71835 has 5 MA's), (22, 71589), (37, 71409), (45, 71331), (48, 71277), (49, 71253),

Gene: Gmala1_84 Start: 68287, Stop: 67394, Start Num: 4

Candidate Starts for Gmala1_84:

(1, 68383), (3, 68374), (4, 68287), (7, 68221), (17, 68080), (30, 67882), (33, 67804), (36, 67771), (41, 67726), (51, 67552),

Gene: GordDuk1_90 Start: 69111, Stop: 68227, Start Num: 4

Candidate Starts for GordDuk1_90:

(4, 69111), (7, 69051), (30, 68712), (33, 68634), (36, 68601), (41, 68556), (51, 68382),

Gene: GordTnk2_91 Start: 68841, Stop: 67948, Start Num: 4

Candidate Starts for GordTnk2_91:

(2, 68934), (4, 68841), (7, 68772), (17, 68631), (30, 68433), (33, 68355), (36, 68322), (41, 68277), (51, 68103),

Gene: Jumbo_97 Start: 75858, Stop: 75085, Start Num: 5

Candidate Starts for Jumbo_97:

(Start: 5 @75858 has 2 MA's), (9, 75765), (14, 75714), (17, 75660), (23, 75564), (29, 75489), (31, 75468), (38, 75342),

Gene: Kampe_100 Start: 71801, Stop: 71097, Start Num: 6

Candidate Starts for Kampe_100:

(Start: 6 @71801 has 5 MA's), (22, 71555), (37, 71375), (45, 71297), (48, 71243), (49, 71219),

Gene: Mbo2_91 Start: 65064, Stop: 64312, Start Num: 8

Candidate Starts for Mbo2_91:

(Start: 8 @65064 has 2 MA's), (21, 64905), (22, 64860), (32, 64719), (50, 64473), (53, 64341),

Gene: Orchid_99 Start: 71802, Stop: 71098, Start Num: 6

Candidate Starts for Orchid_99:

(Start: 6 @71802 has 5 MA's), (22, 71556), (37, 71376), (45, 71298), (48, 71244), (49, 71220),

Gene: PatrickStar_100 Start: 71801, Stop: 71097, Start Num: 6

Candidate Starts for PatrickStar_100:

(Start: 6 @71801 has 5 MA's), (22, 71555), (37, 71375), (45, 71297), (48, 71243), (49, 71219),

Gene: Reynauld_87 Start: 68618, Stop: 67836, Start Num: 8

Candidate Starts for Reynauld_87:

(Start: 8 @68618 has 2 MA's), (11, 68585), (13, 68570), (18, 68492), (22, 68411), (25, 68381), (27, 68357), (28, 68354), (36, 68243), (54, 67880),

Gene: RobinSparkles_105 Start: 72300, Stop: 71611, Start Num: 6

Candidate Starts for RobinSparkles_105:

(Start: 6 @72300 has 5 MA's), (22, 72054), (37, 71874), (45, 71796), (48, 71742), (49, 71718),

Gene: Srilaccoli3_85 Start: 67726, Stop: 66947, Start Num: 8

Candidate Starts for Srilaccoli3_85:

(Start: 8 @67726 has 2 MA's), (11, 67693), (13, 67678), (18, 67600), (25, 67489), (27, 67465), (36, 67351), (54, 66991),

Gene: Trogglehumper_94 Start: 69119, Stop: 68532, Start Num: 10

Candidate Starts for Trogglehumper_94:

(Start: 10 @69119 has 1 MA's), (12, 69101), (15, 69065), (20, 69002), (39, 68738), (40, 68735), (44, 68690), (46, 68669), (52, 68546),