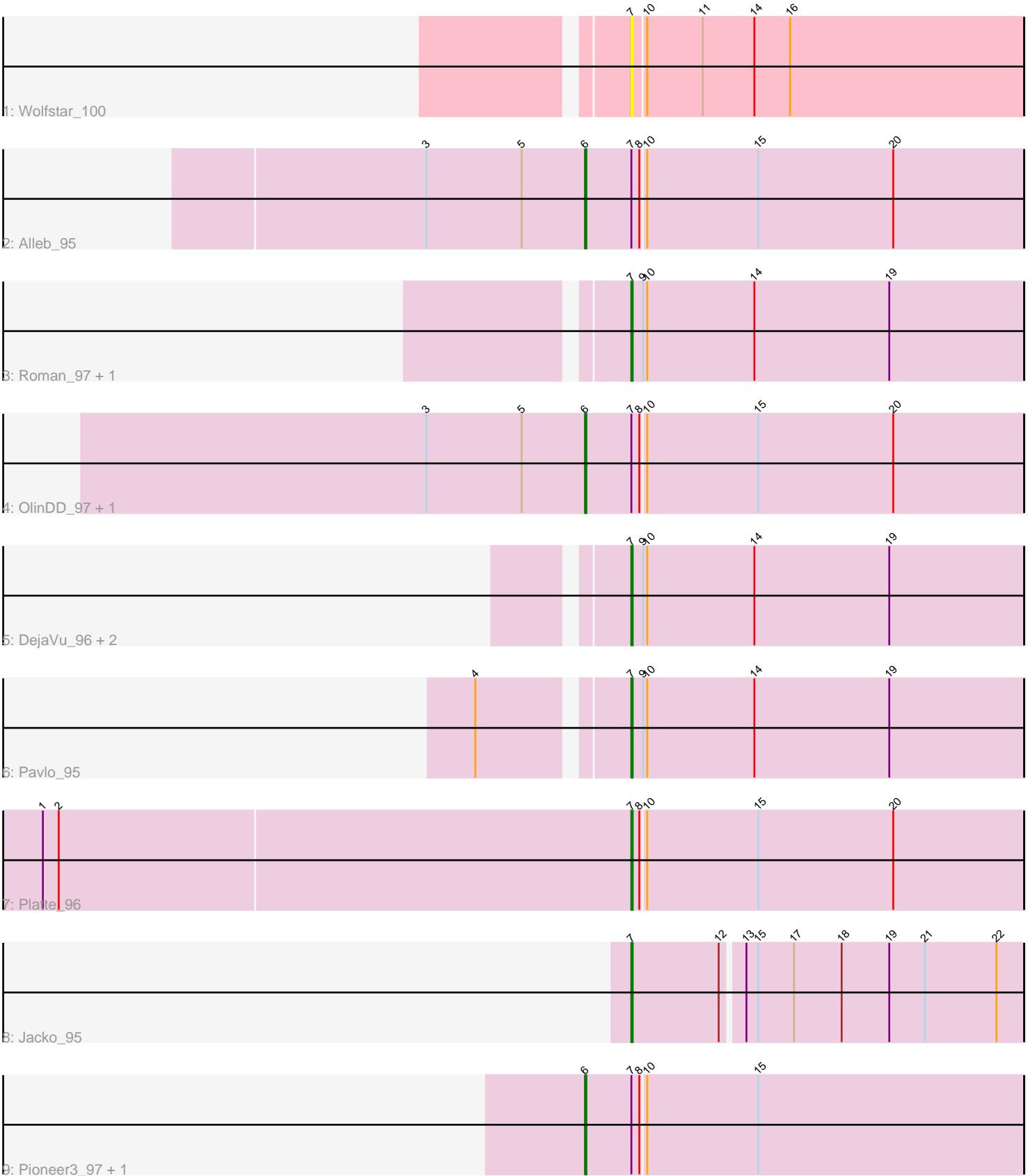


Pham 4812



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 4812 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 4812 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Wolfstar_100
- Track 2 : Alleb_95
- Track 3 : Roman_97, PhillyPhilly_93
- Track 4 : OlinDD_97, Hortus1_97
- Track 5 : DejaVu_96, Lupine_95, Hubbs_94
- Track 6 : Pavlo_95
- Track 7 : Platte_96
- Track 8 : Jacko_95
- Track 9 : Pioneer3_97, Tandem_97

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DejaVu_96, Hubbs_94, Jacko_95, Lupine_95, Pavlo_95, PhillyPhilly_93, Platte_96, Roman_97, Wolfstar_100,

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

- Alleb_95, Hortus1_97, OlinDD_97, Pioneer3_97, Tandem_97,

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

-

Summary by start number:

Start 6:

- Found in 5 of 14 (35.7%) of genes in pham
- Manual Annotations of this start: 5 of 13

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alleb_95 (ED1), Hortus1_97 (ED1), OlinDD_97 (ED1), Pioneer3_97 (ED1), Tandem_97 (ED1),

Start 7:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 13
- Called 64.3% of time when present
- Phage (with cluster) where this start called: DejaVu_96 (ED1), Hubbs_94 (ED1), Jacko_95 (ED1), Lupine_95 (ED1), Pavlo_95 (ED1), PhillyPhilly_93 (ED1), Platte_96 (ED1), Roman_97 (ED1), Wolfstar_100 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:

- Start number 6 was manually annotated 5 times for cluster ED1.
- Start number 7 was manually annotated 8 times for cluster ED1.

Gene Information:

Gene: Alleb_95 Start: 54081, Stop: 53755, Start Num: 6

Candidate Starts for Alleb_95:

(3, 54201), (5, 54129), (Start: 6 @54081 has 5 MA's), (Start: 7 @54048 has 8 MA's), (8, 54042), (10, 54039), (15, 53955), (20, 53853),

Gene: DejaVu_96 Start: 53279, Stop: 52983, Start Num: 7

Candidate Starts for DejaVu_96:

(Start: 7 @53279 has 8 MA's), (9, 53270), (10, 53267), (14, 53186), (19, 53084),

Gene: Hortus1_97 Start: 54656, Stop: 54330, Start Num: 6

Candidate Starts for Hortus1_97:

(3, 54776), (5, 54704), (Start: 6 @54656 has 5 MA's), (Start: 7 @54623 has 8 MA's), (8, 54617), (10, 54614), (15, 54530), (20, 54428),

Gene: Hubbs_94 Start: 53325, Stop: 53029, Start Num: 7

Candidate Starts for Hubbs_94:

(Start: 7 @53325 has 8 MA's), (9, 53316), (10, 53313), (14, 53232), (19, 53130),

Gene: Jacko_95 Start: 52562, Stop: 52272, Start Num: 7

Candidate Starts for Jacko_95:

(Start: 7 @52562 has 8 MA's), (12, 52496), (13, 52481), (15, 52472), (17, 52445), (18, 52409), (19, 52373), (21, 52346), (22, 52292),

Gene: Lupine_95 Start: 53338, Stop: 53042, Start Num: 7

Candidate Starts for Lupine_95:

(Start: 7 @53338 has 8 MA's), (9, 53329), (10, 53326), (14, 53245), (19, 53143),

Gene: OlinDD_97 Start: 54661, Stop: 54335, Start Num: 6

Candidate Starts for OlinDD_97:

(3, 54781), (5, 54709), (Start: 6 @54661 has 5 MA's), (Start: 7 @54628 has 8 MA's), (8, 54622), (10, 54619), (15, 54535), (20, 54433),

Gene: Pavlo_95 Start: 53423, Stop: 53127, Start Num: 7

Candidate Starts for Pavlo_95:

(4, 53522), (Start: 7 @53423 has 8 MA's), (9, 53414), (10, 53411), (14, 53330), (19, 53228),

Gene: PhillyPhilly_93 Start: 52888, Stop: 52592, Start Num: 7

Candidate Starts for PhillyPhilly_93:

(Start: 7 @52888 has 8 MA's), (9, 52879), (10, 52876), (14, 52795), (19, 52693),

Gene: Pioneer3_97 Start: 54459, Stop: 54133, Start Num: 6

Candidate Starts for Pioneer3_97:

(Start: 6 @54459 has 5 MA's), (Start: 7 @54426 has 8 MA's), (8, 54420), (10, 54417), (15, 54333),

Gene: Platte_96 Start: 54194, Stop: 53901, Start Num: 7

Candidate Starts for Platte_96:

(1, 54635), (2, 54623), (Start: 7 @54194 has 8 MA's), (8, 54188), (10, 54185), (15, 54101), (20, 53999),

Gene: Roman_97 Start: 53939, Stop: 53643, Start Num: 7

Candidate Starts for Roman_97:

(Start: 7 @53939 has 8 MA's), (9, 53930), (10, 53927), (14, 53846), (19, 53744),

Gene: Tandem_97 Start: 54539, Stop: 54213, Start Num: 6

Candidate Starts for Tandem_97:

(Start: 6 @54539 has 5 MA's), (Start: 7 @54506 has 8 MA's), (8, 54500), (10, 54497), (15, 54413),

Gene: Wolfstar_100 Start: 55327, Stop: 55034, Start Num: 7

Candidate Starts for Wolfstar_100:

(Start: 7 @55327 has 8 MA's), (10, 55318), (11, 55276), (14, 55237), (16, 55210),