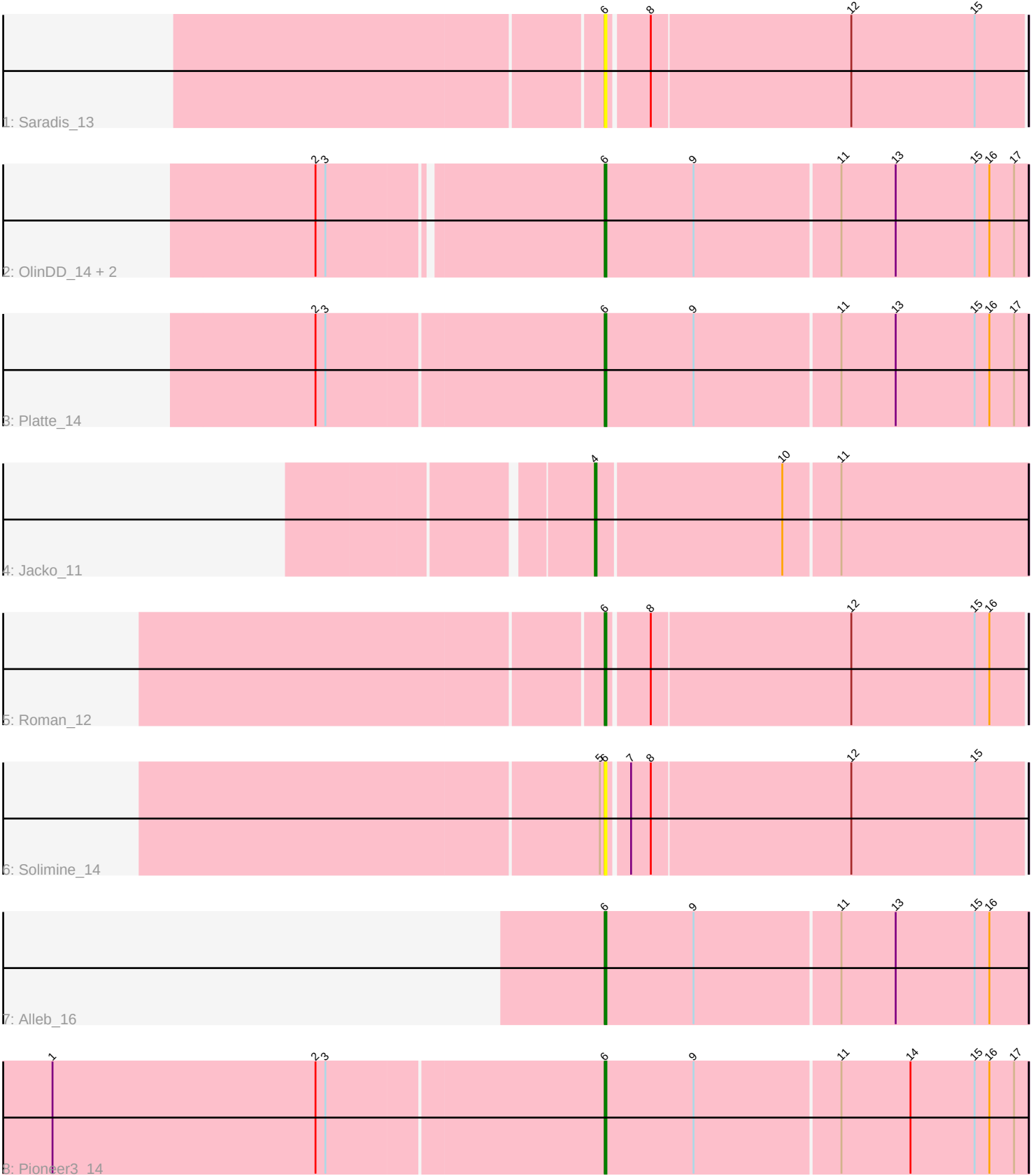


Pham 281121



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 281121 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281121 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Saradis_13
- Track 2 : OlinDD_14, Hortus1_14, Tandem_14
- Track 3 : Platte_14
- Track 4 : Jacko_11
- Track 5 : Roman_12
- Track 6 : Solimine_14
- Track 7 : Alleb_16
- Track 8 : Pioneer3_14

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alleb_16, Hortus1_14, OlinDD_14, Pioneer3_14, Platte_14, Roman_12, Saradis_13, Solimine_14, Tandem_14,

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

-

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

- Jacko_11,

Summary by start number:

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jacko_11 (ED1),

Start 6:

- Found in 9 of 10 (90.0%) of genes in pham

- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alleb_16 (ED1), Hortus1_14 (ED1), OlinDD_14 (ED1), Pioneer3_14 (ED1), Platte_14 (ED1), Roman_12 (ED1), Saradis_13 (ED1), Solimine_14 (ED1), Tandem_14 (ED1),

Summary by clusters:

There is one cluster represented in this pham: ED1

Info for manual annotations of cluster ED1:

- Start number 4 was manually annotated 1 time for cluster ED1.
- Start number 6 was manually annotated 7 times for cluster ED1.

Gene Information:

Gene: Alleb_16 Start: 5253, Stop: 5507, Start Num: 6

Candidate Starts for Alleb_16:

(Start: 6 @5253 has 7 MA's), (9, 5307), (11, 5394), (13, 5427), (15, 5475), (16, 5484),

Gene: Hortus1_14 Start: 5046, Stop: 5300, Start Num: 6

Candidate Starts for Hortus1_14:

(2, 4881), (3, 4887), (Start: 6 @5046 has 7 MA's), (9, 5100), (11, 5187), (13, 5220), (15, 5268), (16, 5277), (17, 5292),

Gene: Jacko_11 Start: 3856, Stop: 4113, Start Num: 4

Candidate Starts for Jacko_11:

(Start: 4 @3856 has 1 MA's), (10, 3967), (11, 4000),

Gene: OlinDD_14 Start: 5045, Stop: 5299, Start Num: 6

Candidate Starts for OlinDD_14:

(2, 4880), (3, 4886), (Start: 6 @5045 has 7 MA's), (9, 5099), (11, 5186), (13, 5219), (15, 5267), (16, 5276), (17, 5291),

Gene: Pioneer3_14 Start: 5072, Stop: 5326, Start Num: 6

Candidate Starts for Pioneer3_14:

(1, 4742), (2, 4901), (3, 4907), (Start: 6 @5072 has 7 MA's), (9, 5126), (11, 5213), (14, 5255), (15, 5294), (16, 5303), (17, 5318),

Gene: Platte_14 Start: 4876, Stop: 5130, Start Num: 6

Candidate Starts for Platte_14:

(2, 4705), (3, 4711), (Start: 6 @4876 has 7 MA's), (9, 4930), (11, 5017), (13, 5050), (15, 5098), (16, 5107), (17, 5122),

Gene: Roman_12 Start: 4474, Stop: 4722, Start Num: 6

Candidate Starts for Roman_12:

(Start: 6 @4474 has 7 MA's), (8, 4498), (12, 4618), (15, 4693), (16, 4702),

Gene: Saradis_13 Start: 4534, Stop: 4782, Start Num: 6

Candidate Starts for Saradis_13:

(Start: 6 @4534 has 7 MA's), (8, 4558), (12, 4678), (15, 4753),

Gene: Solimine_14 Start: 4949, Stop: 5197, Start Num: 6

Candidate Starts for Solimine_14:

(5, 4946), (Start: 6 @4949 has 7 MA's), (7, 4961), (8, 4973), (12, 5093), (15, 5168),

Gene: Tandem_14 Start: 4983, Stop: 5237, Start Num: 6

Candidate Starts for Tandem_14:

(2, 4818), (3, 4824), (Start: 6 @4983 has 7 MA's), (9, 5037), (11, 5124), (13, 5157), (15, 5205), (16, 5214), (17, 5229),