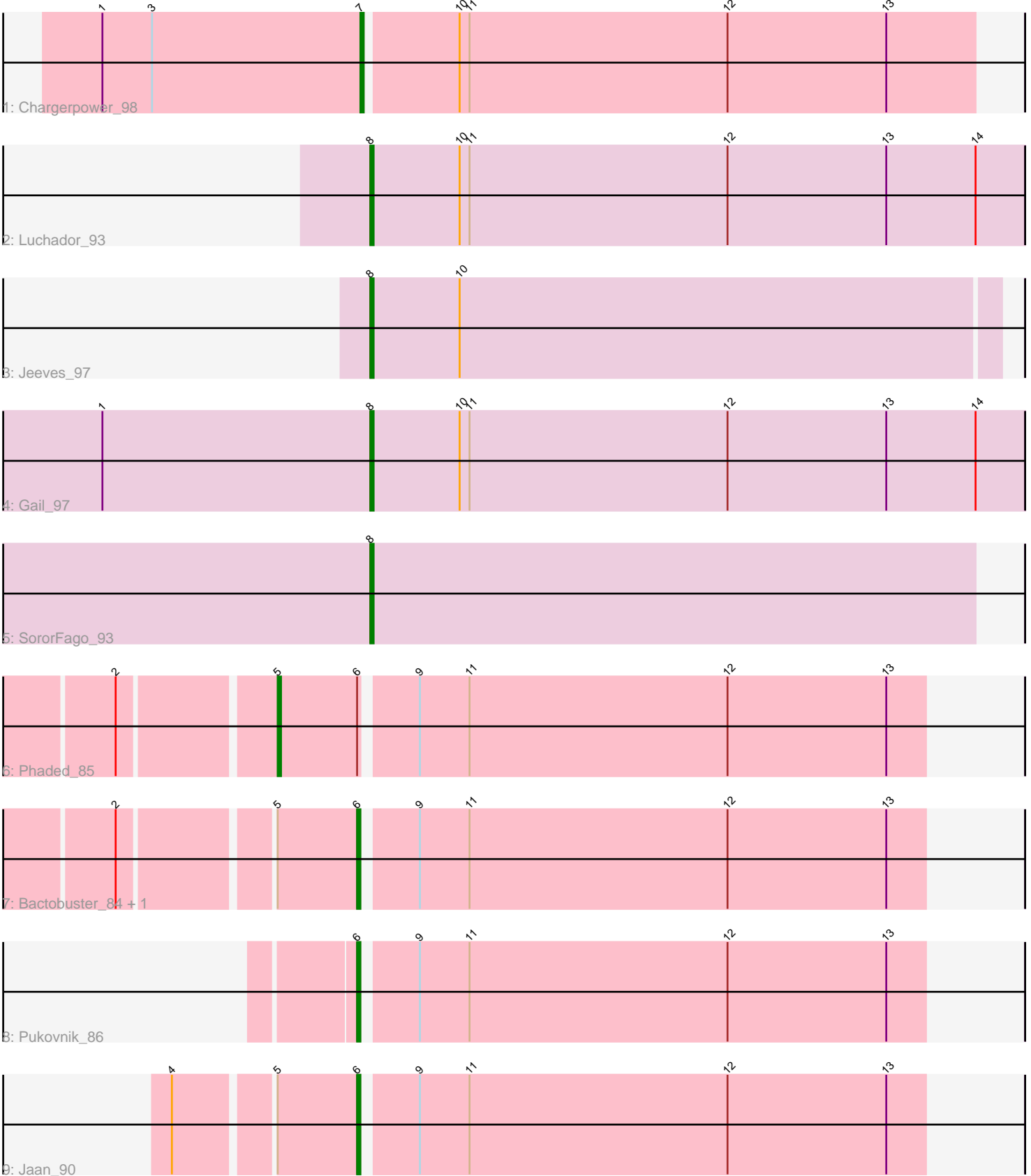


Pham 6533



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 6533 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6533 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_98
- Track 2 : Luchador_93
- Track 3 : Jeeves_97
- Track 4 : Gail_97
- Track 5 : SororFago_93
- Track 6 : Phaded_85
- Track 7 : Bactobuster_84, Landor_89
- Track 8 : Pukovnik_86
- Track 9 : Jaan_90

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

The start number called the most often in the published annotations is 8, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Gail_97, Jeeves_97, Luchador_93, SororFago_93,

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

-

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

- Bactobuster_84, Chargerpower_98, Jaan_90, Landor_89, Phaded_85, Pukovnik_86,

Summary by start number:

Start 5:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Phaded_85 (A2),

Start 6:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Bactobuster_84 (A2), Jaan_90 (A2), Landor_89 (A2), Pukovnik_86 (A2),

Start 7:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chargerpower_98 (A),

Start 8:

- Found in 4 of 10 (40.0%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gail_97 (A14), Jeeves_97 (A14), Luchador_93 (A14), SororFago_93 (A14),

Summary by clusters:

There are 3 clusters represented in this pham: A, A14, A2,

Info for manual annotations of cluster A:

- Start number 7 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A14:

- Start number 8 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A2:

- Start number 5 was manually annotated 1 time for cluster A2.
- Start number 6 was manually annotated 3 times for cluster A2.

Gene Information:

Gene: Bactobuster_84 Start: 49415, Stop: 49248, Start Num: 6

Candidate Starts for Bactobuster_84:

(2, 49481), (Start: 5 @49439 has 1 MA's), (Start: 6 @49415 has 3 MA's), (9, 49400), (11, 49385), (12, 49307), (13, 49259),

Gene: Chargerpower_98 Start: 50825, Stop: 50643, Start Num: 7

Candidate Starts for Chargerpower_98:

(1, 50903), (3, 50888), (Start: 7 @50825 has 1 MA's), (10, 50798), (11, 50795), (12, 50717), (13, 50669),

Gene: Gail_97 Start: 50817, Stop: 50620, Start Num: 8

Candidate Starts for Gail_97:

(1, 50898), (Start: 8 @50817 has 4 MA's), (10, 50790), (11, 50787), (12, 50709), (13, 50661), (14, 50634),

Gene: Jaan_90 Start: 51045, Stop: 50878, Start Num: 6

Candidate Starts for Jaan_90:

(4, 51096), (Start: 5 @51069 has 1 MA's), (Start: 6 @51045 has 3 MA's), (9, 51030), (11, 51015), (12, 50937), (13, 50889),

Gene: Jeeves_97 Start: 49618, Stop: 49430, Start Num: 8

Candidate Starts for Jeeves_97:

(Start: 8 @49618 has 4 MA's), (10, 49591),

Gene: Landor_89 Start: 50961, Stop: 50794, Start Num: 6

Candidate Starts for Landor_89:

(2, 51027), (Start: 5 @50985 has 1 MA's), (Start: 6 @50961 has 3 MA's), (9, 50946), (11, 50931), (12, 50853), (13, 50805),

Gene: Luchador_93 Start: 50531, Stop: 50334, Start Num: 8

Candidate Starts for Luchador_93:

(Start: 8 @50531 has 4 MA's), (10, 50504), (11, 50501), (12, 50423), (13, 50375), (14, 50348),

Gene: Phaded_85 Start: 51010, Stop: 50819, Start Num: 5

Candidate Starts for Phaded_85:

(2, 51052), (Start: 5 @51010 has 1 MA's), (Start: 6 @50986 has 3 MA's), (9, 50971), (11, 50956), (12, 50878), (13, 50830),

Gene: Pukovnik_86 Start: 50448, Stop: 50281, Start Num: 6

Candidate Starts for Pukovnik_86:

(Start: 6 @50448 has 3 MA's), (9, 50433), (11, 50418), (12, 50340), (13, 50292),

Gene: SororFago_93 Start: 50394, Stop: 50212, Start Num: 8

Candidate Starts for SororFago_93:

(Start: 8 @50394 has 4 MA's),