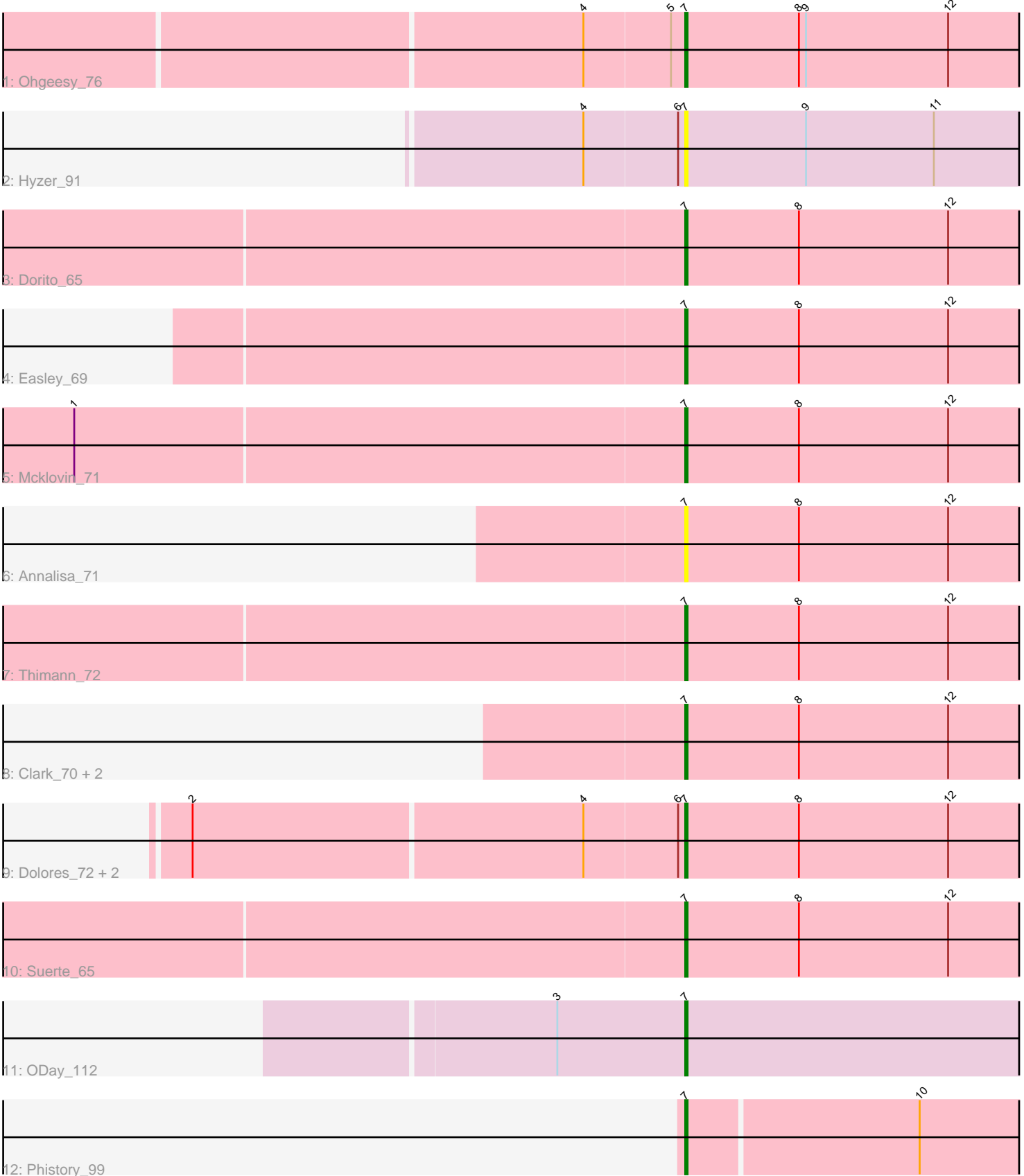


Pham 87044



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 87044 Report

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

Pham number 87044 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Ohgeesy_76
- Track 2 : Hyzer_91
- Track 3 : Dorito_65
- Track 4 : Easley_69
- Track 5 : Mcklovin_71
- Track 6 : Annalisa_71
- Track 7 : Thimann_72
- Track 8 : Clark_70, Beenie_65, MichaelScott_72
- Track 9 : Dolores_72, WinkNick_72, Sekhmet_71
- Track 10 : Suerte_65
- Track 11 : ODay_112
- Track 12 : Phistory_99

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annalisa_71, Beenie_65, Clark_70, Dolores_72, Dorito_65, Easley_69, Hyzer_91, Mcklovin_71, MichaelScott_72, ODay_112, Ohgeesy_76, Phistory_99, Sekhmet_71, Suerte_65, Thimann_72, WinkNick_72,

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

-

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

-

Summary by start number:

Start 7:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annalisa_71 (CZ4), Beenie_65 (CZ4), Clark_70 (CZ4), Dolores_72 (CZ4), Dorito_65 (CZ4), Easley_69 (CZ4), Hyzer_91 (CZ1), Mcklovin_71 (CZ4), MichaelScott_72 (CZ4), ODay_112 (DN), Ohgeesy_76 (CZ), Phistory_99 (DN1), Sekhmet_71 (CZ4), Suerte_65 (CZ4), Thimann_72 (CZ4), WinkNick_72 (CZ4),

Summary by clusters:

There are 5 clusters represented in this pham: DN, CZ, CZ1, DN1, CZ4,

Info for manual annotations of cluster CZ:

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

Info for manual annotations of cluster CZ4:

- Start number 7 was manually annotated 11 times for cluster CZ4.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN1:

- Start number 7 was manually annotated 1 time for cluster DN1.

Gene Information:

Gene: Annalisa_71 Start: 44346, Stop: 44495, Start Num: 7

Candidate Starts for Annalisa_71:

(Start: 7 @44346 has 14 MA's), (8, 44394), (12, 44457),

Gene: Beenie_65 Start: 44887, Stop: 45036, Start Num: 7

Candidate Starts for Beenie_65:

(Start: 7 @44887 has 14 MA's), (8, 44935), (12, 44998),

Gene: Clark_70 Start: 44650, Stop: 44799, Start Num: 7

Candidate Starts for Clark_70:

(Start: 7 @44650 has 14 MA's), (8, 44698), (12, 44761),

Gene: Dolores_72 Start: 44393, Stop: 44542, Start Num: 7

Candidate Starts for Dolores_72:

(2, 44189), (4, 44351), (6, 44390), (Start: 7 @44393 has 14 MA's), (8, 44441), (12, 44504),

Gene: Dorito_65 Start: 43083, Stop: 43232, Start Num: 7

Candidate Starts for Dorito_65:

(Start: 7 @43083 has 14 MA's), (8, 43131), (12, 43194),

Gene: Easley_69 Start: 43651, Stop: 43800, Start Num: 7

Candidate Starts for Easley_69:

(Start: 7 @43651 has 14 MA's), (8, 43699), (12, 43762),

Gene: Hyzer_91 Start: 57232, Stop: 57381, Start Num: 7

Candidate Starts for Hyzer_91:

(4, 57190), (6, 57229), (Start: 7 @57232 has 14 MA's), (9, 57283), (11, 57337),

Gene: Mcklovin_71 Start: 50452, Stop: 50601, Start Num: 7

Candidate Starts for Mcklovin_71:

(1, 50197), (Start: 7 @50452 has 14 MA's), (8, 50500), (12, 50563),

Gene: MichaelScott_72 Start: 45331, Stop: 45480, Start Num: 7

Candidate Starts for MichaelScott_72:

(Start: 7 @45331 has 14 MA's), (8, 45379), (12, 45442),

Gene: ODay_112 Start: 56475, Stop: 56627, Start Num: 7

Candidate Starts for ODay_112:

(3, 56421), (Start: 7 @56475 has 14 MA's),

Gene: Ohgeesy_76 Start: 49860, Stop: 50009, Start Num: 7

Candidate Starts for Ohgeesy_76:

(4, 49818), (5, 49854), (Start: 7 @49860 has 14 MA's), (8, 49908), (9, 49911), (12, 49971),

Gene: Phistory_99 Start: 50988, Stop: 51137, Start Num: 7

Candidate Starts for Phistory_99:

(Start: 7 @50988 has 14 MA's), (10, 51084),

Gene: Sekhmet_71 Start: 44792, Stop: 44941, Start Num: 7

Candidate Starts for Sekhmet_71:

(2, 44588), (4, 44750), (6, 44789), (Start: 7 @44792 has 14 MA's), (8, 44840), (12, 44903),

Gene: Suerte_65 Start: 43895, Stop: 44044, Start Num: 7

Candidate Starts for Suerte_65:

(Start: 7 @43895 has 14 MA's), (8, 43943), (12, 44006),

Gene: Thimann_72 Start: 45022, Stop: 45171, Start Num: 7

Candidate Starts for Thimann_72:

(Start: 7 @45022 has 14 MA's), (8, 45070), (12, 45133),

Gene: WinkNick_72 Start: 44316, Stop: 44465, Start Num: 7

Candidate Starts for WinkNick_72:

(2, 44112), (4, 44274), (6, 44313), (Start: 7 @44316 has 14 MA's), (8, 44364), (12, 44427),