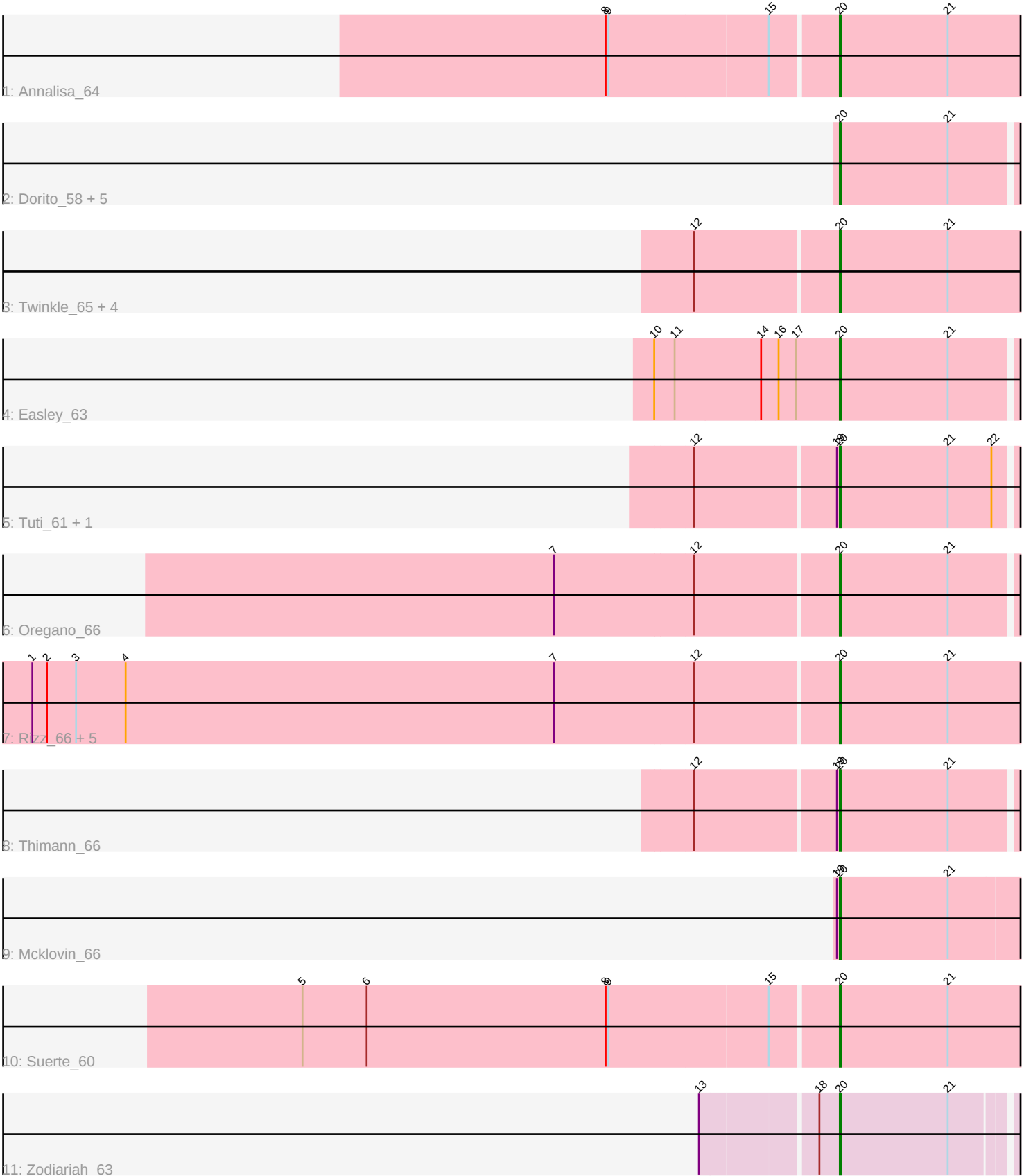


Pham 327396



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 327396 Report

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

Pham number 327396 has 26 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Annalisa_64
- Track 2 : Dorito_58, Powerball_65, Dolores_66, Sekhmet_65, WinkNick_66, PhriskyACE_63
- Track 3 : Twinkle_65, Howe_66, Adora_63, Hortense_66, Shlim410_64
- Track 4 : Easley_63
- Track 5 : Tuti_61, MichaelScott_67
- Track 6 : Oregano_66
- Track 7 : Rizz_66, DobbysSock_60, Beenie_60, Samman98_66, Invectra_68, Clark_65
- Track 8 : Thimann_66
- Track 9 : Mcklovin_66
- Track 10 : Suerte_60
- Track 11 : Zodiariah_63

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

The start number called the most often in the published annotations is 20, it was called in 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_63, Annalisa_64, Beenie_60, Clark_65, DobbysSock_60, Dolores_66, Dorito_58, Easley_63, Hortense_66, Howe_66, Invectra_68, Mcklovin_66, MichaelScott_67, Oregano_66, PhriskyACE_63, Powerball_65, Rizz_66, Samman98_66, Sekhmet_65, Shlim410_64, Suerte_60, Thimann_66, Tuti_61, Twinkle_65, WinkNick_66, Zodiariah_63,

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 20:

- Found in 26 of 26 (100.0%) of genes in pham
- Manual Annotations of this start: 25 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adora_63 (CZ4), Annalisa_64 (CZ4), Beenie_60 (CZ4), Clark_65 (CZ4), DobbysSock_60 (CZ4), Dolores_66 (CZ4), Dorito_58 (CZ4), Easley_63 (CZ4), Hortense_66 (CZ4), Howe_66 (CZ4), Invectra_68 (CZ4), Mcklovin_66 (CZ4), MichaelScott_67 (CZ4), Oregano_66 (CZ4), PhriskyACE_63 (CZ4), Powerball_65 (CZ4), Rizz_66 (CZ4), Samman98_66 (CZ4), Sekhmet_65 (CZ4), Shlim410_64 (CZ4), Suerte_60 (CZ4), Thimann_66 (CZ4), Tuti_61 (CZ4), Twinkle_65 (CZ4), WinkNick_66 (CZ4), Zodiariah_63 (DW),

Summary by clusters:

There are 2 clusters represented in this pham: DW, CZ4,

Info for manual annotations of cluster CZ4:

- Start number 20 was manually annotated 24 times for cluster CZ4.

Info for manual annotations of cluster DW:

- Start number 20 was manually annotated 1 time for cluster DW.

Gene Information:

Gene: Adora_63 Start: 44095, Stop: 44289, Start Num: 20

Candidate Starts for Adora_63:

(12, 43951), (Start: 20 @44095 has 25 MA's), (21, 44206),

Gene: Annalisa_64 Start: 42302, Stop: 42496, Start Num: 20

Candidate Starts for Annalisa_64:

(8, 42071), (9, 42074), (15, 42236), (Start: 20 @42302 has 25 MA's), (21, 42413),

Gene: Beenie_60 Start: 42143, Stop: 42337, Start Num: 20

Candidate Starts for Beenie_60:

(1, 41321), (2, 41336), (3, 41366), (4, 41417), (7, 41858), (12, 41999), (Start: 20 @42143 has 25 MA's), (21, 42254),

Gene: Clark_65 Start: 41906, Stop: 42100, Start Num: 20

Candidate Starts for Clark_65:

(1, 41084), (2, 41099), (3, 41129), (4, 41180), (7, 41621), (12, 41762), (Start: 20 @41906 has 25 MA's), (21, 42017),

Gene: DobbysSock_60 Start: 41554, Stop: 41739, Start Num: 20

Candidate Starts for DobbysSock_60:

(1, 40732), (2, 40747), (3, 40777), (4, 40828), (7, 41269), (12, 41410), (Start: 20 @41554 has 25 MA's), (21, 41665),

Gene: Dolores_66 Start: 41837, Stop: 42031, Start Num: 20

Candidate Starts for Dolores_66:

(Start: 20 @41837 has 25 MA's), (21, 41948),

Gene: Dorito_58 Start: 39421, Stop: 39606, Start Num: 20

Candidate Starts for Dorito_58:

(Start: 20 @39421 has 25 MA's), (21, 39532),

Gene: Easley_63 Start: 41309, Stop: 41494, Start Num: 20

Candidate Starts for Easley_63:

(10, 41120), (11, 41141), (14, 41228), (16, 41246), (17, 41264), (Start: 20 @41309 has 25 MA's), (21, 41420),

Gene: Hortense_66 Start: 45450, Stop: 45644, Start Num: 20

Candidate Starts for Hortense_66:

(12, 45306), (Start: 20 @45450 has 25 MA's), (21, 45561),

Gene: Howe_66 Start: 45450, Stop: 45644, Start Num: 20

Candidate Starts for Howe_66:

(12, 45306), (Start: 20 @45450 has 25 MA's), (21, 45561),

Gene: Invectra_68 Start: 43479, Stop: 43673, Start Num: 20

Candidate Starts for Invectra_68:

(1, 42657), (2, 42672), (3, 42702), (4, 42753), (7, 43194), (12, 43335), (Start: 20 @43479 has 25 MA's), (21, 43590),

Gene: Mcklovin_66 Start: 48429, Stop: 48620, Start Num: 20

Candidate Starts for Mcklovin_66:

(19, 48426), (Start: 20 @48429 has 25 MA's), (21, 48540),

Gene: MichaelScott_67 Start: 43167, Stop: 43352, Start Num: 20

Candidate Starts for MichaelScott_67:

(12, 43023), (19, 43164), (Start: 20 @43167 has 25 MA's), (21, 43278), (22, 43323),

Gene: Oregano_66 Start: 42041, Stop: 42226, Start Num: 20

Candidate Starts for Oregano_66:

(7, 41756), (12, 41897), (Start: 20 @42041 has 25 MA's), (21, 42152),

Gene: PhriskyACE_63 Start: 42390, Stop: 42584, Start Num: 20

Candidate Starts for PhriskyACE_63:

(Start: 20 @42390 has 25 MA's), (21, 42501),

Gene: Powerball_65 Start: 42493, Stop: 42687, Start Num: 20

Candidate Starts for Powerball_65:

(Start: 20 @42493 has 25 MA's), (21, 42604),

Gene: Rizz_66 Start: 42695, Stop: 42889, Start Num: 20

Candidate Starts for Rizz_66:

(1, 41873), (2, 41888), (3, 41918), (4, 41969), (7, 42410), (12, 42551), (Start: 20 @42695 has 25 MA's), (21, 42806),

Gene: Samman98_66 Start: 42009, Stop: 42203, Start Num: 20

Candidate Starts for Samman98_66:

(1, 41187), (2, 41202), (3, 41232), (4, 41283), (7, 41724), (12, 41865), (Start: 20 @42009 has 25 MA's), (21, 42120),

Gene: Sekhmet_65 Start: 42236, Stop: 42430, Start Num: 20

Candidate Starts for Sekhmet_65:
(Start: 20 @42236 has 25 MA's), (21, 42347),

Gene: Shlim410_64 Start: 45450, Stop: 45644, Start Num: 20
Candidate Starts for Shlim410_64:
(12, 45306), (Start: 20 @45450 has 25 MA's), (21, 45561),

Gene: Suerte_60 Start: 41851, Stop: 42045, Start Num: 20
Candidate Starts for Suerte_60:
(5, 41308), (6, 41374), (8, 41620), (9, 41623), (15, 41785), (Start: 20 @41851 has 25 MA's), (21, 41962),

Gene: Thimann_66 Start: 42275, Stop: 42460, Start Num: 20
Candidate Starts for Thimann_66:
(12, 42131), (19, 42272), (Start: 20 @42275 has 25 MA's), (21, 42386),

Gene: Tuti_61 Start: 43025, Stop: 43210, Start Num: 20
Candidate Starts for Tuti_61:
(12, 42881), (19, 43022), (Start: 20 @43025 has 25 MA's), (21, 43136), (22, 43181),

Gene: Twinkle_65 Start: 46509, Stop: 46703, Start Num: 20
Candidate Starts for Twinkle_65:
(12, 46365), (Start: 20 @46509 has 25 MA's), (21, 46620),

Gene: WinkNick_66 Start: 41760, Stop: 41954, Start Num: 20
Candidate Starts for WinkNick_66:
(Start: 20 @41760 has 25 MA's), (21, 41871),

Gene: Zodiariah_63 Start: 47246, Stop: 47425, Start Num: 20
Candidate Starts for Zodiariah_63:
(13, 47114), (18, 47225), (Start: 20 @47246 has 25 MA's), (21, 47357),