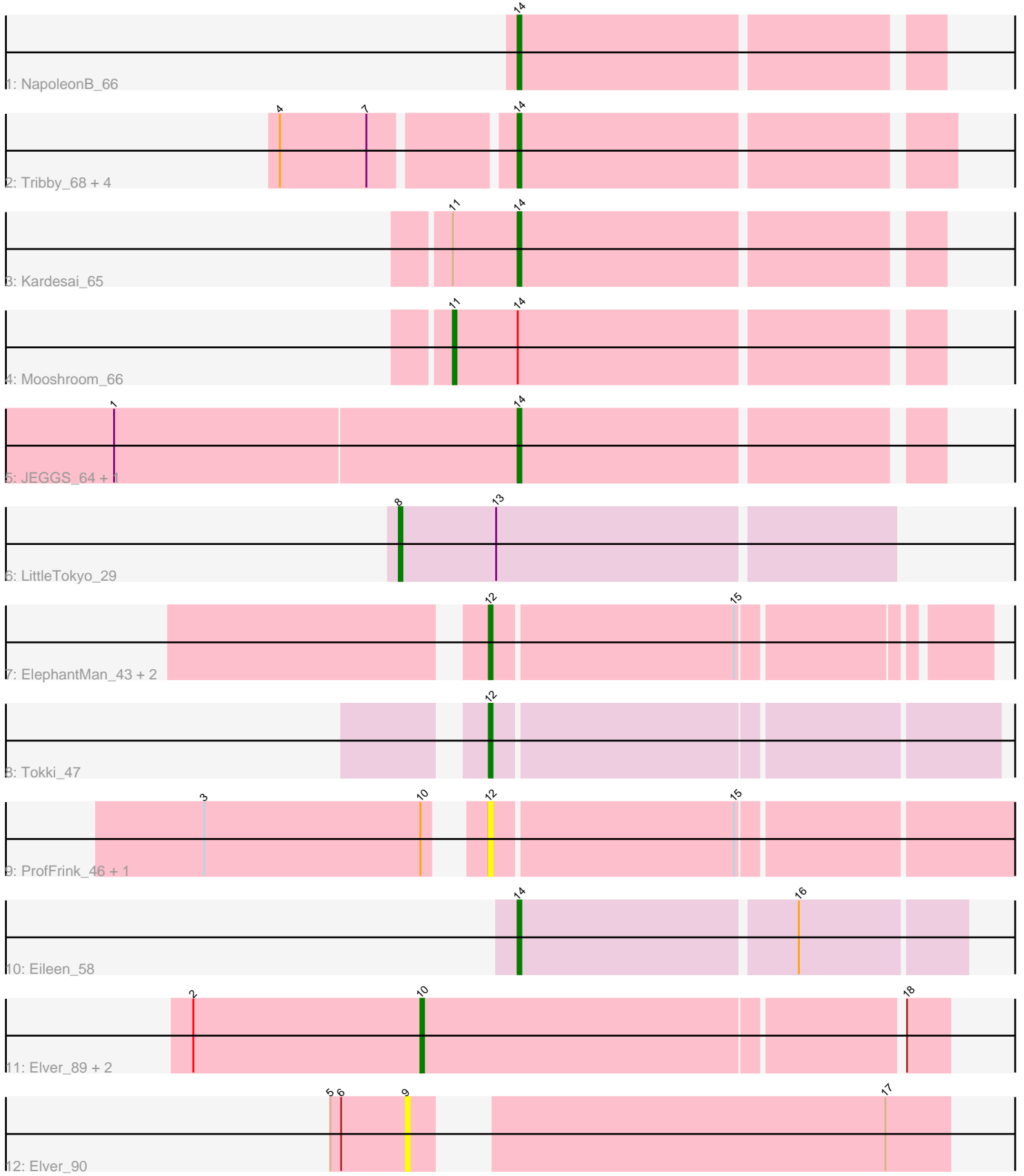


Pham 168515



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 168515 Report

This analysis was run 07/09/24 on database version 566.

Pham number 168515 has 22 members, 4 are drafts.

Phages represented in each track:

- Track 1 : NapoleonB_66
- Track 2 : Tribby_68, Cheesy_65, Correa_63, Hankly_64, Circum_66
- Track 3 : Kardesai_65
- Track 4 : Mooshroom_66
- Track 5 : JEGGS_64, Heisenberger_64
- Track 6 : LittleTokyo_29
- Track 7 : ElephantMan_43, CastorTray_46, Niktson_43
- Track 8 : Tokki_47
- Track 9 : ProfFrink_46, Raunak_45
- Track 10 : Eileen_58
- Track 11 : Elver_89, Paella_92, Qui_92
- Track 12 : Elver_90

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

The start number called the most often in the published annotations is 14, it was called in 10 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Cheesy_65, Circum_66, Correa_63, Eileen_58, Hankly_64, Heisenberger_64, JEGGS_64, Kardesai_65, NapoleonB_66, Tribby_68,

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

- Mooshroom_66,

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

- CastorTray_46, ElephantMan_43, Elver_89, Elver_90, LittleTokyo_29, Niktson_43, Paella_92, ProfFrink_46, Qui_92, Raunak_45, Tokki_47,

Summary by start number:

Start 8:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 18

- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleTokyo_29 (AS2),

Start 9:

- Found in 1 of 22 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_90 (FK),

Start 10:

- Found in 5 of 22 (22.7%) of genes in pham
- Manual Annotations of this start: 2 of 18
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Elver_89 (FK), Paella_92 (FK), Qui_92 (FK),

Start 11:

- Found in 2 of 22 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Mooshroom_66 (AM),

Start 12:

- Found in 6 of 22 (27.3%) of genes in pham
- Manual Annotations of this start: 4 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CastorTray_46 (AU1), ElephantMan_43 (AU1), Niktson_43 (AU1), ProfFrink_46 (AW), Raunak_45 (AW), Tokki_47 (AU2),

Start 14:

- Found in 11 of 22 (50.0%) of genes in pham
- Manual Annotations of this start: 10 of 18
- Called 90.9% of time when present
- Phage (with cluster) where this start called: Cheesy_65 (AM), Circum_66 (AM), Correa_63 (AM), Eileen_58 (FA), Hankly_64 (AM), Heisenberger_64 (AM), JEGGS_64 (AM), Kardesai_65 (AM), NapoleonB_66 (AM), Tribby_68 (AM),

Summary by clusters:

There are 7 clusters represented in this pham: AS2, AM, AU1, FA, AU2, AW, FK,

Info for manual annotations of cluster AM:

- Start number 11 was manually annotated 1 time for cluster AM.
- Start number 14 was manually annotated 9 times for cluster AM.

Info for manual annotations of cluster AS2:

- Start number 8 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AU1:

- Start number 12 was manually annotated 3 times for cluster AU1.

Info for manual annotations of cluster AU2:

- Start number 12 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster FA:

- Start number 14 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FK:

- Start number 10 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: CastorTray_46 Start: 33775, Stop: 33903, Start Num: 12

Candidate Starts for CastorTray_46:

(Start: 12 @33775 has 4 MA's), (15, 33841),

Gene: Cheesy_65 Start: 41545, Stop: 41658, Start Num: 14

Candidate Starts for Cheesy_65:

(4, 41485), (7, 41509), (Start: 14 @41545 has 10 MA's),

Gene: Circum_66 Start: 42112, Stop: 42225, Start Num: 14

Candidate Starts for Circum_66:

(4, 42052), (7, 42076), (Start: 14 @42112 has 10 MA's),

Gene: Correa_63 Start: 41116, Stop: 41229, Start Num: 14

Candidate Starts for Correa_63:

(4, 41056), (7, 41080), (Start: 14 @41116 has 10 MA's),

Gene: Eileen_58 Start: 38097, Stop: 38216, Start Num: 14

Candidate Starts for Eileen_58:

(Start: 14 @38097 has 10 MA's), (16, 38172),

Gene: ElephantMan_43 Start: 33620, Stop: 33748, Start Num: 12

Candidate Starts for ElephantMan_43:

(Start: 12 @33620 has 4 MA's), (15, 33686),

Gene: Elver_89 Start: 51994, Stop: 52134, Start Num: 10

Candidate Starts for Elver_89:

(2, 51931), (Start: 10 @51994 has 2 MA's), (18, 52123),

Gene: Elver_90 Start: 52137, Stop: 52271, Start Num: 9

Candidate Starts for Elver_90:

(5, 52116), (6, 52119), (9, 52137), (17, 52254),

Gene: Hankly_64 Start: 41193, Stop: 41303, Start Num: 14

Candidate Starts for Hankly_64:

(4, 41133), (7, 41157), (Start: 14 @41193 has 10 MA's),

Gene: Heisenberger_64 Start: 41531, Stop: 41641, Start Num: 14

Candidate Starts for Heisenberger_64:

(1, 41420), (Start: 14 @41531 has 10 MA's),

Gene: JEGGS_64 Start: 41610, Stop: 41720, Start Num: 14

Candidate Starts for JEGGS_64:
(1, 41499), (Start: 14 @41610 has 10 MA's),

Gene: Kardesai_65 Start: 41919, Stop: 42029, Start Num: 14
Candidate Starts for Kardesai_65:
(Start: 11 @41901 has 1 MA's), (Start: 14 @41919 has 10 MA's),

Gene: LittleTokyo_29 Start: 20599, Stop: 20465, Start Num: 8
Candidate Starts for LittleTokyo_29:
(Start: 8 @20599 has 1 MA's), (13, 20572),

Gene: Mooshroom_66 Start: 41901, Stop: 42029, Start Num: 11
Candidate Starts for Mooshroom_66:
(Start: 11 @41901 has 1 MA's), (Start: 14 @41919 has 10 MA's),

Gene: NapoleonB_66 Start: 42125, Stop: 42235, Start Num: 14
Candidate Starts for NapoleonB_66:
(Start: 14 @42125 has 10 MA's),

Gene: Niktson_43 Start: 33620, Stop: 33748, Start Num: 12
Candidate Starts for Niktson_43:
(Start: 12 @33620 has 4 MA's), (15, 33686),

Gene: Paella_92 Start: 52584, Stop: 52724, Start Num: 10
Candidate Starts for Paella_92:
(2, 52521), (Start: 10 @52584 has 2 MA's), (18, 52713),

Gene: ProfFrink_46 Start: 30858, Stop: 30998, Start Num: 12
Candidate Starts for ProfFrink_46:
(3, 30789), (Start: 10 @30849 has 2 MA's), (Start: 12 @30858 has 4 MA's), (15, 30924),

Gene: Qui_92 Start: 52584, Stop: 52724, Start Num: 10
Candidate Starts for Qui_92:
(2, 52521), (Start: 10 @52584 has 2 MA's), (18, 52713),

Gene: Raunak_45 Start: 30555, Stop: 30695, Start Num: 12
Candidate Starts for Raunak_45:
(3, 30486), (Start: 10 @30546 has 2 MA's), (Start: 12 @30555 has 4 MA's), (15, 30621),

Gene: Tokki_47 Start: 33138, Stop: 33272, Start Num: 12
Candidate Starts for Tokki_47:
(Start: 12 @33138 has 4 MA's),

Gene: Tribby_68 Start: 42502, Stop: 42615, Start Num: 14
Candidate Starts for Tribby_68:
(4, 42442), (7, 42466), (Start: 14 @42502 has 10 MA's),