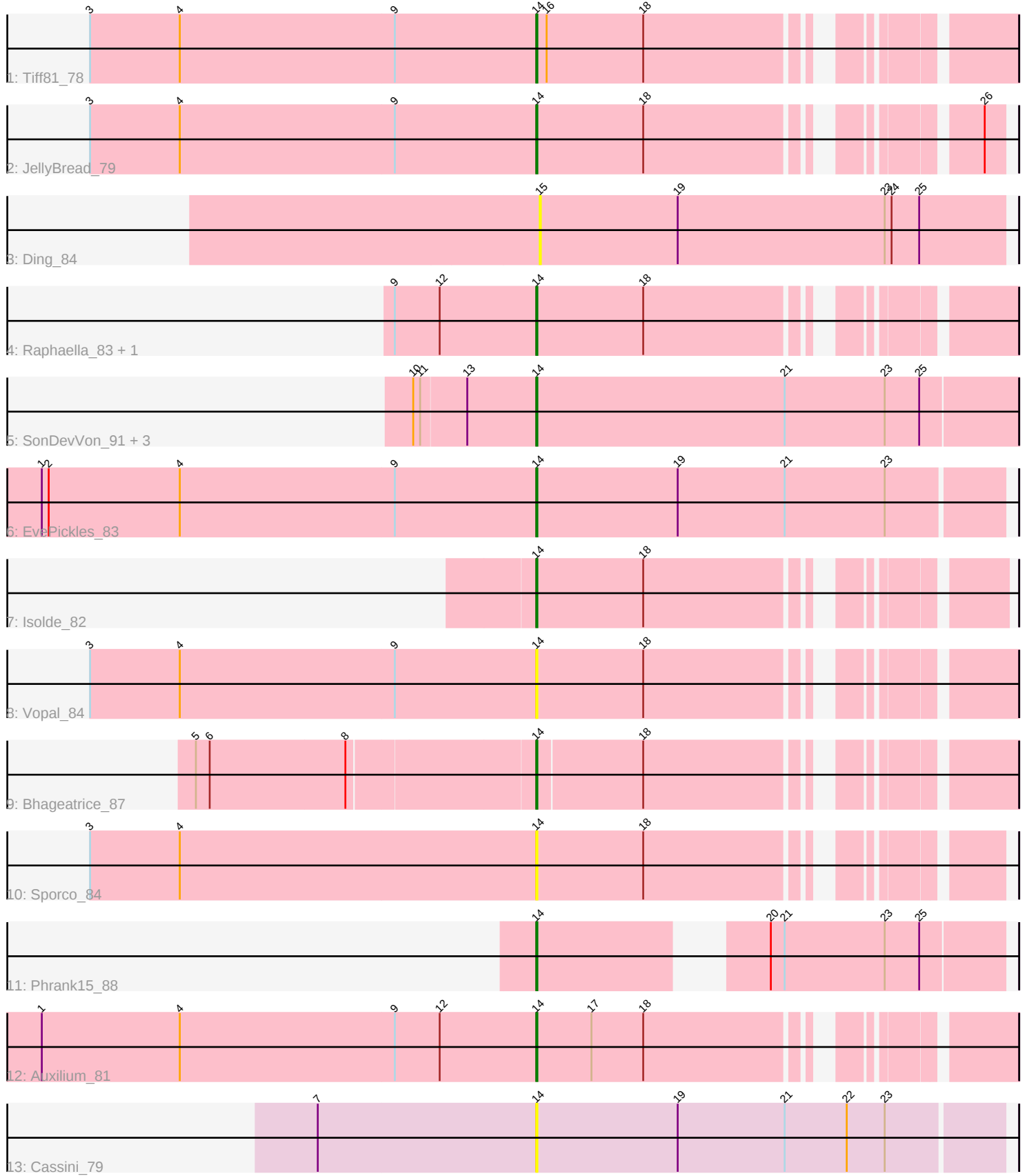


Pham 274790



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 274790 Report

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

Pham number 274790 has 17 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Tiff81_78
- Track 2 : JellyBread_79
- Track 3 : Ding_84
- Track 4 : Raphaella_83, Faja_85
- Track 5 : SonDevVon_91, Gorpy_81, Sakai_80, CookieBear_82
- Track 6 : EvePickles_83
- Track 7 : Isolde_82
- Track 8 : Vopal_84
- Track 9 : Bhageatrice_87
- Track 10 : Sporco_84
- Track 11 : Phrank15_88
- Track 12 : Auxilium_81
- Track 13 : Cassini_79

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auxilium_81, Bhageatrice_87, Cassini_79, CookieBear_82, EvePickles_83, Faja_85, Gorpy_81, Isolde_82, JellyBread_79, Phrank15_88, Raphaella_83, Sakai_80, SonDevVon_91, Sporco_84, Tiff81_78, Vopal_84,

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

-

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

- Ding_84,

Summary by start number:

Start 14:

- Found in 16 of 17 (94.1%) of genes in pham

- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auxilium_81 (AY), Bhageatrice_87 (AY), Cassini_79 (FN), CookieBear_82 (AY), EvePickles_83 (AY), Faja_85 (AY), Gorpy_81 (AY), Isolde_82 (AY), JellyBread_79 (AY), Phrank15_88 (AY), Raphaella_83 (AY), Sakai_80 (AY), SonDevVon_91 (AY), Sporco_84 (AY), Tiff81_78 (AY), Vopal_84 (AY),

Start 15:

- Found in 1 of 17 (5.9%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ding_84 (AY),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FN,

Info for manual annotations of cluster AY:

- Start number 14 was manually annotated 12 times for cluster AY.

Gene Information:

Gene: Auxilium_81 Start: 45001, Stop: 45360, Start Num: 14

Candidate Starts for Auxilium_81:

(1, 44572), (4, 44692), (9, 44878), (12, 44917), (Start: 14 @45001 has 12 MA's), (17, 45049), (18, 45094),

Gene: Bhageatrice_87 Start: 50237, Stop: 50593, Start Num: 14

Candidate Starts for Bhageatrice_87:

(5, 49952), (6, 49964), (8, 50081), (Start: 14 @50237 has 12 MA's), (18, 50327),

Gene: Cassini_79 Start: 46271, Stop: 46672, Start Num: 14

Candidate Starts for Cassini_79:

(7, 46082), (Start: 14 @46271 has 12 MA's), (19, 46394), (21, 46487), (22, 46541), (23, 46574),

Gene: CookieBear_82 Start: 46578, Stop: 46994, Start Num: 14

Candidate Starts for CookieBear_82:

(10, 46473), (11, 46479), (13, 46518), (Start: 14 @46578 has 12 MA's), (21, 46794), (23, 46881), (25, 46911),

Gene: Ding_84 Start: 46525, Stop: 46929, Start Num: 15

Candidate Starts for Ding_84:

(15, 46525), (19, 46645), (23, 46825), (24, 46831), (25, 46855),

Gene: EvePickles_83 Start: 48170, Stop: 48571, Start Num: 14

Candidate Starts for EvePickles_83:

(1, 47741), (2, 47747), (4, 47861), (9, 48047), (Start: 14 @48170 has 12 MA's), (19, 48293), (21, 48386), (23, 48473),

Gene: Faja_85 Start: 48003, Stop: 48362, Start Num: 14
Candidate Starts for Faja_85:
(9, 47880), (12, 47919), (Start: 14 @48003 has 12 MA's), (18, 48096),

Gene: Gorpy_81 Start: 47920, Stop: 48336, Start Num: 14
Candidate Starts for Gorpy_81:
(10, 47815), (11, 47821), (13, 47860), (Start: 14 @47920 has 12 MA's), (21, 48136), (23, 48223), (25, 48253),

Gene: Isolde_82 Start: 47475, Stop: 47825, Start Num: 14
Candidate Starts for Isolde_82:
(Start: 14 @47475 has 12 MA's), (18, 47568),

Gene: JellyBread_79 Start: 46390, Stop: 46737, Start Num: 14
Candidate Starts for JellyBread_79:
(3, 46003), (4, 46081), (9, 46267), (Start: 14 @46390 has 12 MA's), (18, 46483), (26, 46720),

Gene: Phrank15_88 Start: 47981, Stop: 48337, Start Num: 14
Candidate Starts for Phrank15_88:
(Start: 14 @47981 has 12 MA's), (20, 48137), (21, 48149), (23, 48236), (25, 48266),

Gene: Raphaella_83 Start: 46297, Stop: 46656, Start Num: 14
Candidate Starts for Raphaella_83:
(9, 46174), (12, 46213), (Start: 14 @46297 has 12 MA's), (18, 46390),

Gene: Sakai_80 Start: 46631, Stop: 47047, Start Num: 14
Candidate Starts for Sakai_80:
(10, 46526), (11, 46532), (13, 46571), (Start: 14 @46631 has 12 MA's), (21, 46847), (23, 46934), (25, 46964),

Gene: SonDevVon_91 Start: 47576, Stop: 47992, Start Num: 14
Candidate Starts for SonDevVon_91:
(10, 47471), (11, 47477), (13, 47516), (Start: 14 @47576 has 12 MA's), (21, 47792), (23, 47879), (25, 47909),

Gene: Sporco_84 Start: 47977, Stop: 48324, Start Num: 14
Candidate Starts for Sporco_84:
(3, 47590), (4, 47668), (Start: 14 @47977 has 12 MA's), (18, 48070),

Gene: Tiff81_78 Start: 45438, Stop: 45797, Start Num: 14
Candidate Starts for Tiff81_78:
(3, 45051), (4, 45129), (9, 45315), (Start: 14 @45438 has 12 MA's), (16, 45447), (18, 45531),

Gene: Vopal_84 Start: 48363, Stop: 48722, Start Num: 14
Candidate Starts for Vopal_84:
(3, 47976), (4, 48054), (9, 48240), (Start: 14 @48363 has 12 MA's), (18, 48456),