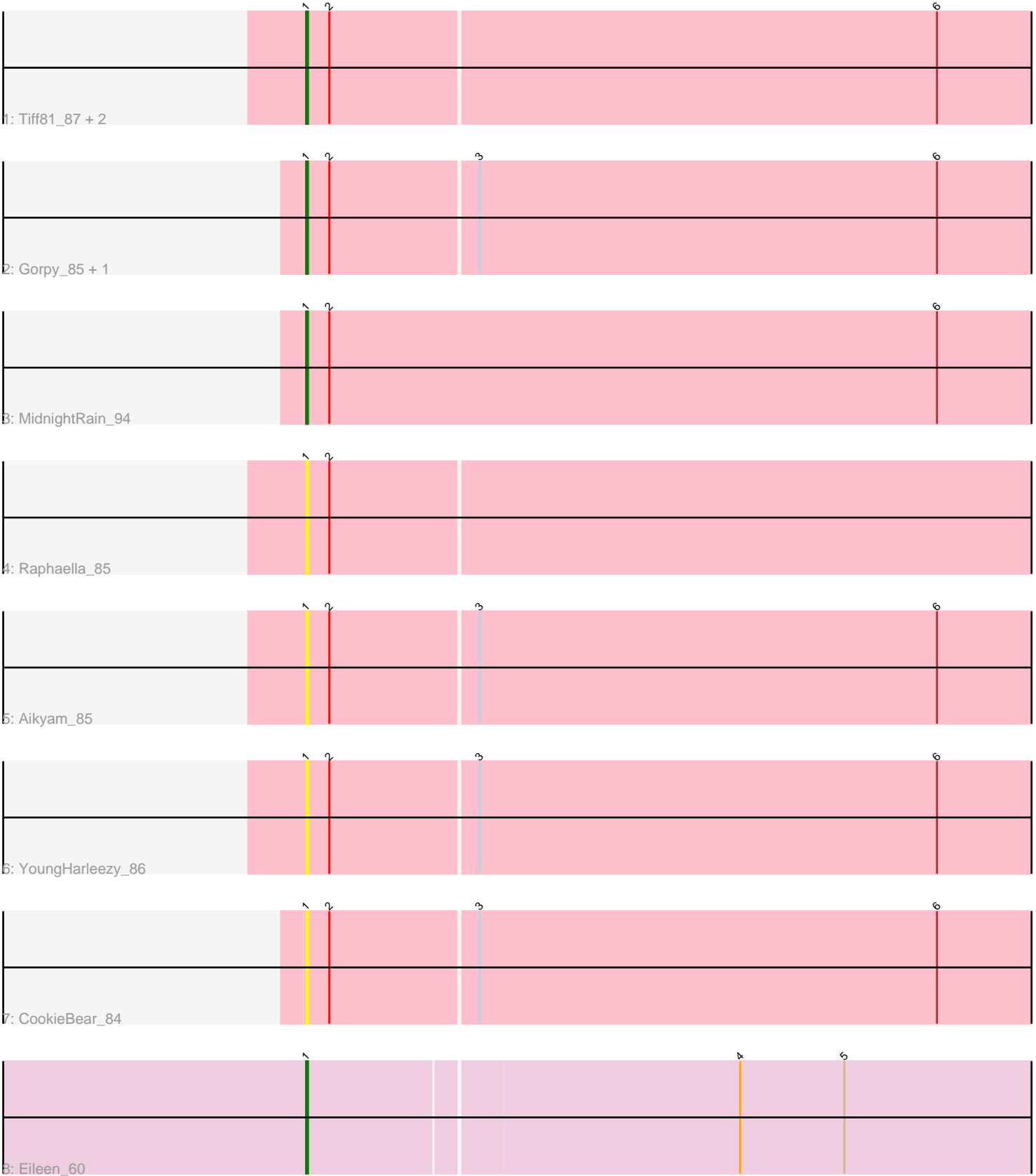


Zoomed Pham 88025



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 88025 Report

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

Pham number 88025 has 11 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Tiff81_87, Seahorse_93, Anekin_87
- Track 2 : Gorpy_85, Sakai_84
- Track 3 : MidnightRain_94
- Track 4 : Raphaella_85
- Track 5 : Aikyam_85
- Track 6 : YoungHarleezy_86
- Track 7 : CookieBear_84
- Track 8 : Eileen_60

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aikyam_85, Anekin_87, CookieBear_84, Eileen_60, Gorpy_85, MidnightRain_94, Raphaella_85, Sakai_84, Seahorse_93, Tiff81_87, YoungHarleezy_86,

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 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aikyam_85 (AY), Anekin_87 (AY), CookieBear_84 (AY), Eileen_60 (FA), Gorpy_85 (AY), MidnightRain_94 (AY), Raphaella_85 (AY), Sakai_84 (AY), Seahorse_93 (AY), Tiff81_87 (AY), YoungHarleezy_86 (AY),

Summary by clusters:

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

Info for manual annotations of cluster AY:

- Start number 1 was manually annotated 4 times for cluster AY.

Info for manual annotations of cluster FA:

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

Gene Information:

Gene: Aikyam_85 Start: 46823, Stop: 47482, Start Num: 1

Candidate Starts for Aikyam_85:

(Start: 1 @46823 has 5 MA's), (2, 46835), (3, 46910), (6, 47147), (7, 47207), (9, 47387), (10, 47426), (11, 47444),

Gene: Anekin_87 Start: 49046, Stop: 49711, Start Num: 1

Candidate Starts for Anekin_87:

(Start: 1 @49046 has 5 MA's), (2, 49058), (6, 49370), (9, 49610), (10, 49649), (11, 49667), (12, 49676),

Gene: CookieBear_84 Start: 48378, Stop: 49043, Start Num: 1

Candidate Starts for CookieBear_84:

(Start: 1 @48378 has 5 MA's), (2, 48390), (3, 48465), (6, 48702), (7, 48762), (9, 48942), (10, 48981), (11, 48999), (12, 49008),

Gene: Eileen_60 Start: 38598, Stop: 39254, Start Num: 1

Candidate Starts for Eileen_60:

(Start: 1 @38598 has 5 MA's), (4, 38817), (5, 38871), (10, 39207),

Gene: Gorpy_85 Start: 49795, Stop: 50460, Start Num: 1

Candidate Starts for Gorpy_85:

(Start: 1 @49795 has 5 MA's), (2, 49807), (3, 49882), (6, 50119), (7, 50179), (8, 50227), (9, 50359), (10, 50398), (11, 50416), (12, 50425),

Gene: MidnightRain_94 Start: 50291, Stop: 50953, Start Num: 1

Candidate Starts for MidnightRain_94:

(Start: 1 @50291 has 5 MA's), (2, 50303), (6, 50618), (9, 50858), (10, 50897), (11, 50915),

Gene: Raphaella_85 Start: 47750, Stop: 48409, Start Num: 1

Candidate Starts for Raphaella_85:

(Start: 1 @47750 has 5 MA's), (2, 47762), (7, 48134), (9, 48314), (10, 48353), (11, 48371),

Gene: Sakai_84 Start: 48506, Stop: 49171, Start Num: 1

Candidate Starts for Sakai_84:

(Start: 1 @48506 has 5 MA's), (2, 48518), (3, 48593), (6, 48830), (7, 48890), (8, 48938), (9, 49070), (10, 49109), (11, 49127), (12, 49136),

Gene: Seahorse_93 Start: 53149, Stop: 53814, Start Num: 1

Candidate Starts for Seahorse_93:

(Start: 1 @53149 has 5 MA's), (2, 53161), (6, 53473), (9, 53713), (10, 53752), (11, 53770), (12, 53779),

Gene: Tiff81_87 Start: 46861, Stop: 47526, Start Num: 1

Candidate Starts for Tiff81_87:

(Start: 1 @46861 has 5 MA's), (2, 46873), (6, 47185), (9, 47425), (10, 47464), (11, 47482), (12, 47491),

Gene: YoungHarleezy_86 Start: 49263, Stop: 49928, Start Num: 1

Candidate Starts for YoungHarleezy_86:

(Start: 1 @49263 has 5 MA's), (2, 49275), (3, 49350), (6, 49587), (7, 49647), (9, 49827), (10, 49866), (11, 49884), (12, 49893),