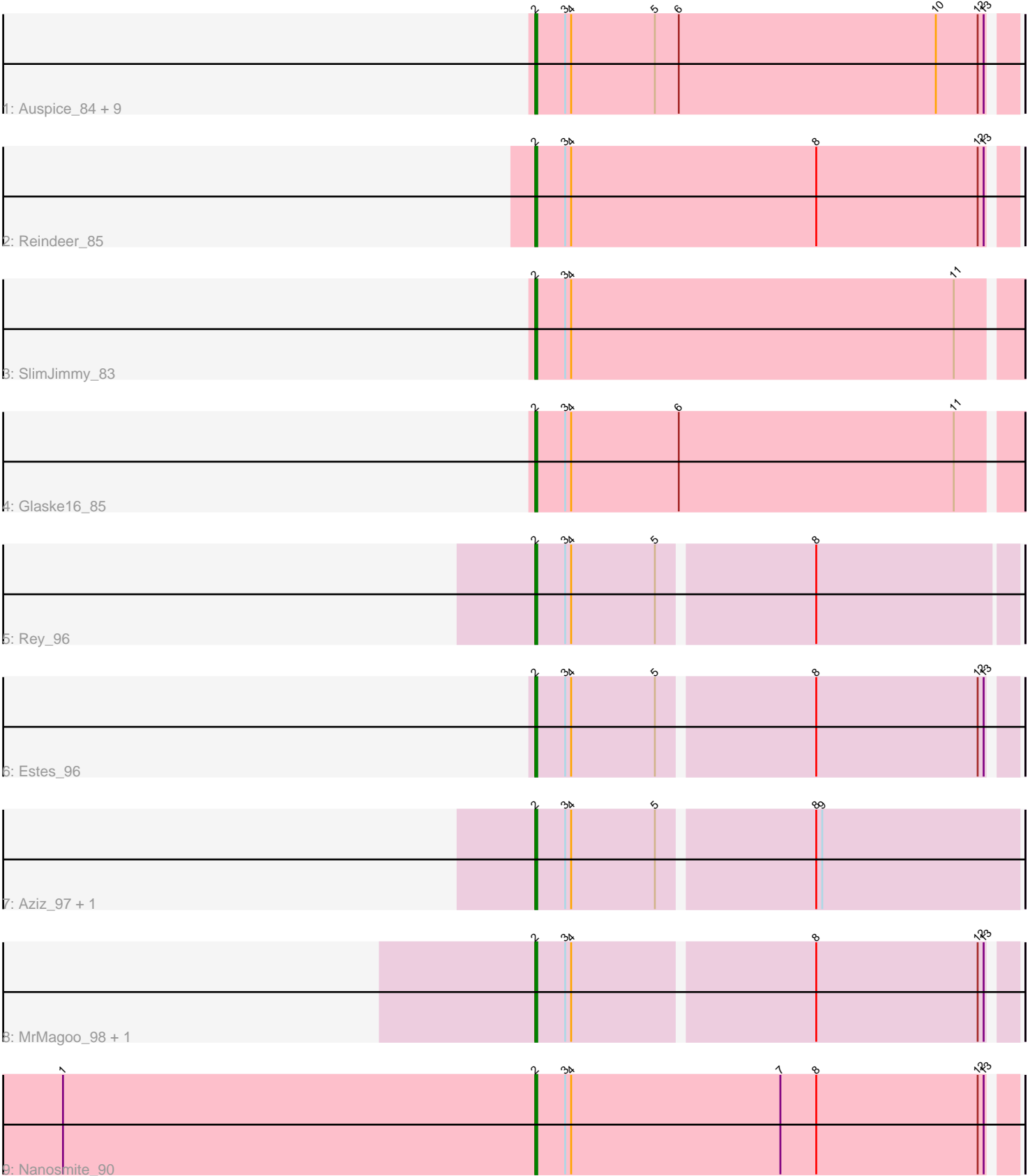


Pham 4531



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 4531 Report

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

Pham number 4531 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Auspice_84, Dulcita_85, Diminimus_85, Bongo_84, LilhomieP_84, Skinny_88, PegLeg_83, TyDawg_84, IPhane7_83, Bricole_83
- Track 2 : Reindeer_85
- Track 3 : SlimJimmy_83
- Track 4 : Glaske16_85
- Track 5 : Rey_96
- Track 6 : Estes_96
- Track 7 : Aziz_97, GenevaB15_99
- Track 8 : MrMagoo_98, GardenSalsa_97
- Track 9 : Nanosmite_90

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_84, Aziz_97, Bongo_84, Bricole_83, Diminimus_85, Dulcita_85, Estes_96, GardenSalsa_97, GenevaB15_99, Glaske16_85, IPhane7_83, LilhomieP_84, MrMagoo_98, Nanosmite_90, PegLeg_83, Reindeer_85, Rey_96, Skinny_88, SlimJimmy_83, TyDawg_84,

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 2:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 20 of 20
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Auspice_84 (M1), Aziz_97 (M2), Bongo_84 (M1), Bricole_83 (M1), Diminimus_85 (M1), Dulcita_85 (M1), Estes_96 (M2), GardenSalsa_97 (M2), GenevaB15_99 (M2), Glaske16_85 (M1), IPhane7_83 (M1), LilhomieP_84 (M1), MrMagoo_98 (M2), Nanosmite_90 (M3), PegLeg_83 (M1), Reindeer_85 (M1), Rey_96 (M2), Skinny_88 (M1), SlimJimmy_83 (M1), TyDawg_84 (M1),

Summary by clusters:

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:

- Start number 2 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 2 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 2 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_84 Start: 52634, Stop: 52870, Start Num: 2

Candidate Starts for Auspice_84:

(Start: 2 @52634 has 20 MA's), (3, 52649), (4, 52652), (5, 52694), (6, 52706), (10, 52835), (12, 52856), (13, 52859),

Gene: Aziz_97 Start: 55158, Stop: 55394, Start Num: 2

Candidate Starts for Aziz_97:

(Start: 2 @55158 has 20 MA's), (3, 55173), (4, 55176), (5, 55218), (8, 55293), (9, 55296),

Gene: Bongo_84 Start: 52638, Stop: 52874, Start Num: 2

Candidate Starts for Bongo_84:

(Start: 2 @52638 has 20 MA's), (3, 52653), (4, 52656), (5, 52698), (6, 52710), (10, 52839), (12, 52860), (13, 52863),

Gene: Bricole_83 Start: 52402, Stop: 52638, Start Num: 2

Candidate Starts for Bricole_83:

(Start: 2 @52402 has 20 MA's), (3, 52417), (4, 52420), (5, 52462), (6, 52474), (10, 52603), (12, 52624), (13, 52627),

Gene: Diminimus_85 Start: 52633, Stop: 52869, Start Num: 2

Candidate Starts for Diminimus_85:

(Start: 2 @52633 has 20 MA's), (3, 52648), (4, 52651), (5, 52693), (6, 52705), (10, 52834), (12, 52855), (13, 52858),

Gene: Dulcita_85 Start: 52634, Stop: 52870, Start Num: 2

Candidate Starts for Dulcita_85:

(Start: 2 @52634 has 20 MA's), (3, 52649), (4, 52652), (5, 52694), (6, 52706), (10, 52835), (12, 52856), (13, 52859),

Gene: Estes_96 Start: 54755, Stop: 54985, Start Num: 2
Candidate Starts for Estes_96:
(Start: 2 @54755 has 20 MA's), (3, 54770), (4, 54773), (5, 54815), (8, 54890), (12, 54971), (13, 54974),

Gene: GardenSalsa_97 Start: 55115, Stop: 55345, Start Num: 2
Candidate Starts for GardenSalsa_97:
(Start: 2 @55115 has 20 MA's), (3, 55130), (4, 55133), (8, 55250), (12, 55331), (13, 55334),

Gene: GenevaB15_99 Start: 55158, Stop: 55394, Start Num: 2
Candidate Starts for GenevaB15_99:
(Start: 2 @55158 has 20 MA's), (3, 55173), (4, 55176), (5, 55218), (8, 55293), (9, 55296),

Gene: Glaske16_85 Start: 52698, Stop: 52937, Start Num: 2
Candidate Starts for Glaske16_85:
(Start: 2 @52698 has 20 MA's), (3, 52713), (4, 52716), (6, 52770), (11, 52908),

Gene: IPhone7_83 Start: 52638, Stop: 52874, Start Num: 2
Candidate Starts for IPhone7_83:
(Start: 2 @52638 has 20 MA's), (3, 52653), (4, 52656), (5, 52698), (6, 52710), (10, 52839), (12, 52860), (13, 52863),

Gene: LilhomieP_84 Start: 53117, Stop: 53353, Start Num: 2
Candidate Starts for LilhomieP_84:
(Start: 2 @53117 has 20 MA's), (3, 53132), (4, 53135), (5, 53177), (6, 53189), (10, 53318), (12, 53339), (13, 53342),

Gene: MrMagoo_98 Start: 55115, Stop: 55345, Start Num: 2
Candidate Starts for MrMagoo_98:
(Start: 2 @55115 has 20 MA's), (3, 55130), (4, 55133), (8, 55250), (12, 55331), (13, 55334),

Gene: Nanosmite_90 Start: 54026, Stop: 54262, Start Num: 2
Candidate Starts for Nanosmite_90:
(1, 53789), (Start: 2 @54026 has 20 MA's), (3, 54041), (4, 54044), (7, 54149), (8, 54167), (12, 54248), (13, 54251),

Gene: PegLeg_83 Start: 52378, Stop: 52614, Start Num: 2
Candidate Starts for PegLeg_83:
(Start: 2 @52378 has 20 MA's), (3, 52393), (4, 52396), (5, 52438), (6, 52450), (10, 52579), (12, 52600), (13, 52603),

Gene: Reindeer_85 Start: 53432, Stop: 53668, Start Num: 2
Candidate Starts for Reindeer_85:
(Start: 2 @53432 has 20 MA's), (3, 53447), (4, 53450), (8, 53573), (12, 53654), (13, 53657),

Gene: Rey_96 Start: 54425, Stop: 54658, Start Num: 2
Candidate Starts for Rey_96:
(Start: 2 @54425 has 20 MA's), (3, 54440), (4, 54443), (5, 54485), (8, 54560),

Gene: Skinny_88 Start: 53546, Stop: 53782, Start Num: 2
Candidate Starts for Skinny_88:
(Start: 2 @53546 has 20 MA's), (3, 53561), (4, 53564), (5, 53606), (6, 53618), (10, 53747), (12, 53768), (13, 53771),

Gene: SlimJimmy_83 Start: 52975, Stop: 53214, Start Num: 2

Candidate Starts for SlimJimmy_83:

(Start: 2 @52975 has 20 MA's), (3, 52990), (4, 52993), (11, 53185),

Gene: TyDawg_84 Start: 52641, Stop: 52877, Start Num: 2

Candidate Starts for TyDawg_84:

(Start: 2 @52641 has 20 MA's), (3, 52656), (4, 52659), (5, 52701), (6, 52713), (10, 52842), (12, 52863), (13, 52866),