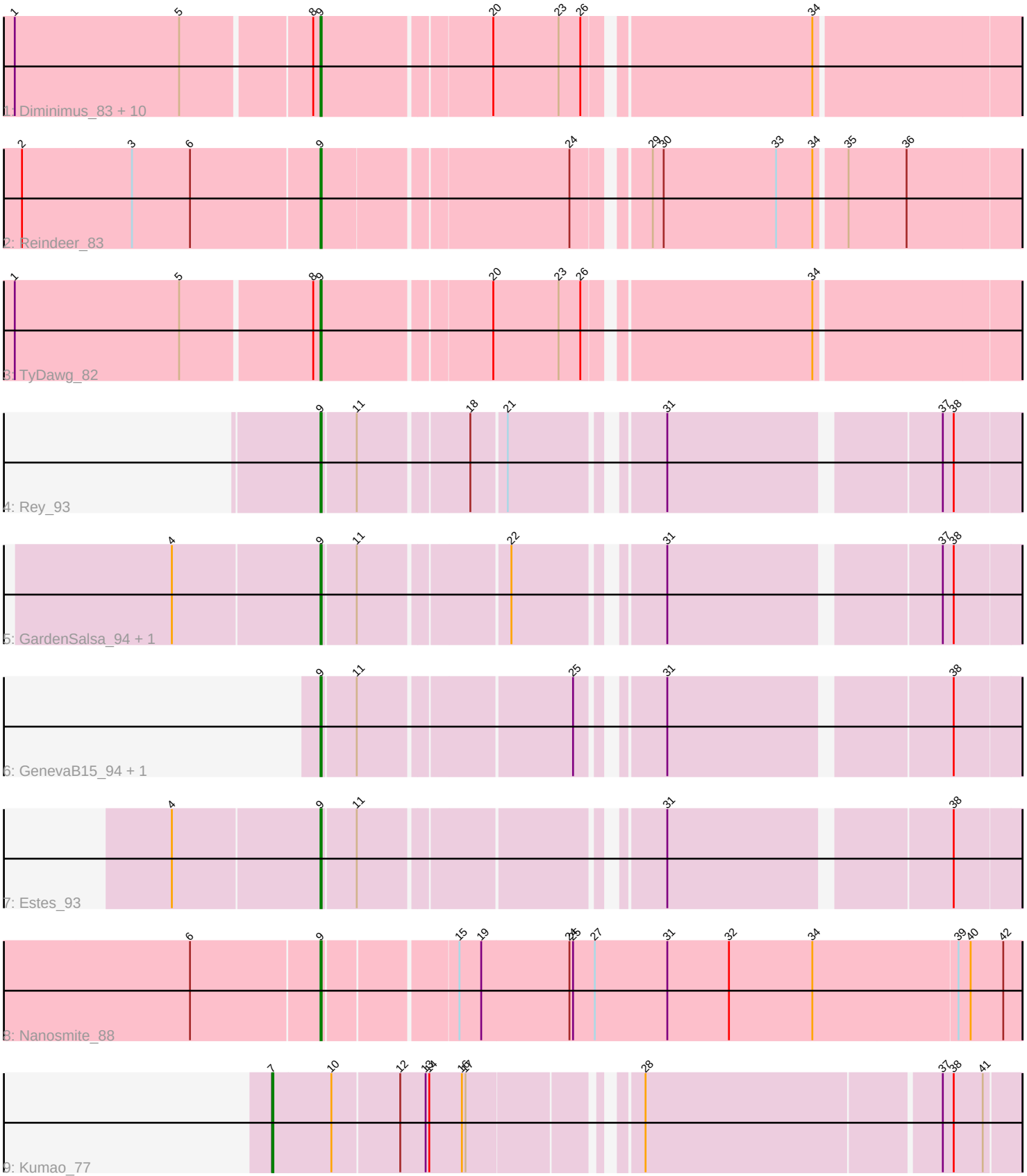
Pham 196831


1: Diminimus_83 + 10
2: Reindeer_83
3: TyDawg_82
4: Rey_93
5: GardenSalsa_94 + 1
6: GenevaB15_94 + 1
7: Estes_93
8: Nanosmite_88
9: Kumao_77

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 196831 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196831 has 21 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Diminimus_83, Glaske16_83, Dulcita_83, Auspice_82, LilhomieP_82, IPhane7_81, Skinny_86, SlimJimmy_81, PegLeg_81, Bongo_82, Bricole_81
• Track 2 : Reindeer_83
• Track 3 : TyDawg_82
• Track 4 : Rey_93
• Track 5 : GardenSalsa_94, MrMagoo_95
• Track 6 : GenevaB15_94, Aziz_92
• Track 7 : Estes_93
• Track 8 : Nanosmite_88
• Track 9 : Kumao_77

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

The start number called the most often in the published annotations is 9, it was called in 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_82, Aziz_92, Bongo_82, Bricole_81, Diminimus_83, Dulcita_83, Estes_93, GardenSalsa_94, GenevaB15_94, Glaske16_83, IPhane7_81, LilhomieP_82, MrMagoo_95, Nanosmite_88, PegLeg_81, Reindeer_83, Rey_93, Skinny_86, SlimJimmy_81, TyDawg_82,

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

Genes that do not have the "Most Annotated" start:
• Kumao_77,

Summary by start number:

Start 7:
• Found in 1 of 21 (4.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Kumao_77 (singleton),

Start 9:
• Found in 20 of 21 (95.2%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_82 (M1), Aziz_92 (M2), Bongo_82 (M1), Bricole_81 (M1), Diminimus_83 (M1), Dulcita_83 (M1), Estes_93 (M2), GardenSalsa_94 (M2), GenevaB15_94 (M2), Glaske16_83 (M1), IPhane7_81 (M1), LilhomieP_82 (M1), MrMagoo_95 (M2), Nanosmite_88 (M3), PegLeg_81 (M1), Reindeer_83 (M1), Rey_93 (M2), Skinny_86 (M1), SlimJimmy_81 (M1), TyDawg_82 (M1),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, M1, M3, M2,

Info for manual annotations of cluster M1:
•Start number 9 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 9 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 9 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_82 Start: 51592, Stop: 52134, Start Num: 9
Candidate Starts for Auspice_82:
(1, 51349), (5, 51484), (8, 51586), (Start: 9 @51592 has 20 MA's), (20, 51724), (23, 51778), (26, 51796), (34, 51970),

Gene: Aziz_92 Start: 53866, Stop: 54384, Start Num: 9
Candidate Starts for Aziz_92:
(Start: 9 @53866 has 20 MA's), (11, 53893), (25, 54058), (31, 54112), (38, 54331),

Gene: Bongo_82 Start: 51596, Stop: 52138, Start Num: 9
Candidate Starts for Bongo_82:
(1, 51353), (5, 51488), (8, 51590), (Start: 9 @51596 has 20 MA's), (20, 51728), (23, 51782), (26, 51800), (34, 51974),

Gene: Bricole_81 Start: 51360, Stop: 51902, Start Num: 9
Candidate Starts for Bricole_81:
(1, 51117), (5, 51252), (8, 51354), (Start: 9 @51360 has 20 MA's), (20, 51492), (23, 51546), (26, 51564), (34, 51738),

Gene: Diminimus_83 Start: 51591, Stop: 52133, Start Num: 9
Candidate Starts for Diminimus_83:
(1, 51348), (5, 51483), (8, 51585), (Start: 9 @51591 has 20 MA's), (20, 51723), (23, 51777), (26, 51795), (34, 51969),

Gene: Dulcita_83 Start: 51592, Stop: 52134, Start Num: 9
Candidate Starts for Dulcita_83:
(1, 51349), (5, 51484), (8, 51586), (Start: 9 @51592 has 20 MA's), (20, 51724), (23, 51778), (26, 51796), (34, 51970),

Gene: Estes_93 Start: 53965, Stop: 54483, Start Num: 9
Candidate Starts for Estes_93:
(4, 53845), (Start: 9 @53965 has 20 MA's), (11, 53992), (31, 54211), (38, 54430),

Gene: GardenSalsa_94 Start: 54325, Stop: 54843, Start Num: 9
Candidate Starts for GardenSalsa_94:
(4, 54205), (Start: 9 @54325 has 20 MA's), (11, 54352), (22, 54466), (31, 54571), (37, 54781), (38, 54790),

Gene: GenevaB15_94 Start: 53866, Stop: 54384, Start Num: 9
Candidate Starts for GenevaB15_94:
(Start: 9 @53866 has 20 MA's), (11, 53893), (25, 54058), (31, 54112), (38, 54331),

Gene: Glaske16_83 Start: 51656, Stop: 52198, Start Num: 9
Candidate Starts for Glaske16_83:
(1, 51413), (5, 51548), (8, 51650), (Start: 9 @51656 has 20 MA's), (20, 51788), (23, 51842), (26, 51860), (34, 52034),

Gene: IPhane7_81 Start: 51596, Stop: 52138, Start Num: 9
Candidate Starts for IPhane7_81:
(1, 51353), (5, 51488), (8, 51590), (Start: 9 @51596 has 20 MA's), (20, 51728), (23, 51782), (26, 51800), (34, 51974),

Gene: Kumao_77 Start: 51889, Stop: 52464, Start Num: 7
Candidate Starts for Kumao_77:
(Start: 7 @51889 has 1 MA's), (10, 51937), (12, 51991), (13, 52012), (14, 52015), (16, 52042), (17, 52045), (28, 52165), (37, 52402), (38, 52411), (41, 52435),

Gene: LilhomieP_82 Start: 52075, Stop: 52617, Start Num: 9
Candidate Starts for LilhomieP_82:
(1, 51832), (5, 51967), (8, 52069), (Start: 9 @52075 has 20 MA's), (20, 52207), (23, 52261), (26, 52279), (34, 52453),

Gene: MrMagoo_95 Start: 54325, Stop: 54843, Start Num: 9
Candidate Starts for MrMagoo_95:
(4, 54205), (Start: 9 @54325 has 20 MA's), (11, 54352), (22, 54466), (31, 54571), (37, 54781), (38, 54790),

Gene: Nanosmite_88 Start: 53290, Stop: 53850, Start Num: 9
Candidate Starts for Nanosmite_88:
(6, 53185), (Start: 9 @53290 has 20 MA's), (15, 53392), (19, 53410), (24, 53482), (25, 53485), (27, 53503), (31, 53563), (32, 53614), (34, 53683), (39, 53800), (40, 53809), (42, 53836),

Gene: PegLeg_81 Start: 51336, Stop: 51878, Start Num: 9
Candidate Starts for PegLeg_81:
(1, 51093), (5, 51228), (8, 51330), (Start: 9 @51336 has 20 MA's), (20, 51468), (23, 51522), (26, 51540), (34, 51714),

Gene: Reindeer_83 Start: 52390, Stop: 52929, Start Num: 9
Candidate Starts for Reindeer_83:
(2, 52147), (3, 52237), (6, 52285), (Start: 9 @52390 has 20 MA's), (24, 52582), (29, 52633), (30, 52642), (33, 52735), (34, 52765), (35, 52789), (36, 52837),

Gene: Rey_93 Start: 53635, Stop: 54153, Start Num: 9
Candidate Starts for Rey_93:
(Start: 9 @53635 has 20 MA's), (11, 53662), (18, 53746), (21, 53773), (31, 53881), (37, 54091), (38, 54100),

Gene: Skinny_86 Start: 52504, Stop: 53046, Start Num: 9
Candidate Starts for Skinny_86:
(1, 52261), (5, 52396), (8, 52498), (Start: 9 @52504 has 20 MA's), (20, 52636), (23, 52690), (26, 52708), (34, 52882),

Gene: SlimJimmy_81 Start: 51933, Stop: 52475, Start Num: 9
Candidate Starts for SlimJimmy_81:
(1, 51690), (5, 51825), (8, 51927), (Start: 9 @51933 has 20 MA's), (20, 52065), (23, 52119), (26, 52137), (34, 52311),

Gene: TyDawg_82 Start: 51599, Stop: 52141, Start Num: 9
Candidate Starts for TyDawg_82:
(1, 51353), (5, 51488), (8, 51593), (Start: 9 @51599 has 20 MA's), (20, 51731), (23, 51785), (26, 51803), (34, 51977),