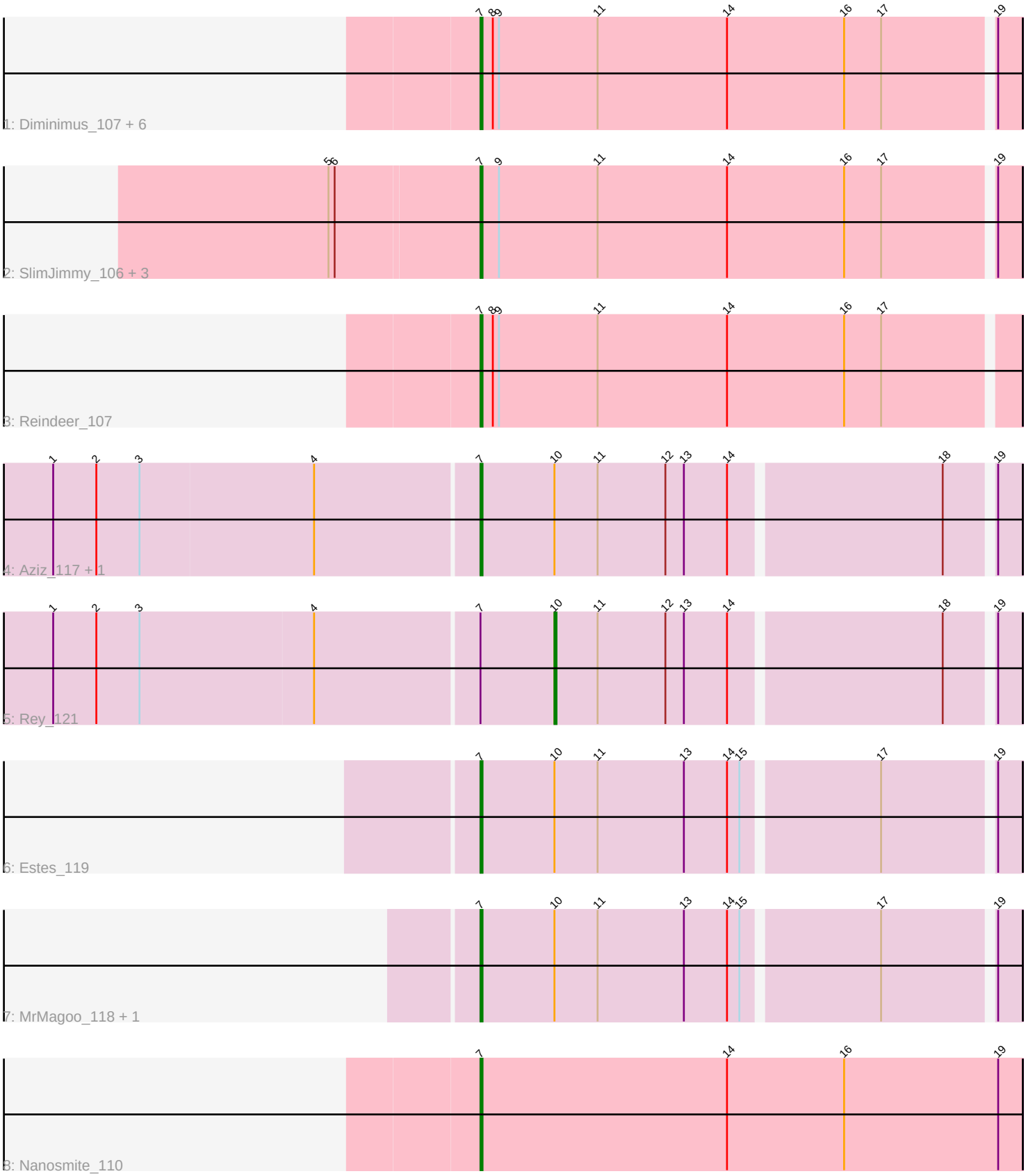
Pham 4696


7 8 9 11 14 16 17 19
1: Diminimus_107 + 6
5 6 7 9 11 14 16 17 19
2: SlimJimmy_106 + 3
7 8 9 11 14 16 17
3: Reindeer_107
1 2 3 4 7 10 11 12 13 14 18 19
4: Aziz_117 + 1
1 2 3 4 7 10 11 12 13 14 18 19
5: Rey_121
7 10 11 13 14 15 17 19
6: Estes_119
7 10 11 13 14 15 17 19
7: MrMagoo_118 + 1
7 14 16 19
8: Nanosmite_110

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 4696 Report

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

Pham number 4696 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Diminimus_107, Auspice_105, LilhomieP_105, IPhane7_103, Bongo_105, Bricole_106, Dulcita_107
• Track 2 : SlimJimmy_106, Skinny_109, PegLeg_107, Glaske16_107
• Track 3 : Reindeer_107
• Track 4 : Aziz_117, GenevaB15_121
• Track 5 : Rey_121
• Track 6 : Estes_119
• Track 7 : MrMagoo_118, GardenSalsa_117
• Track 8 : Nanosmite_110

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

The start number called the most often in the published annotations is 7, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_105, Aziz_117, Bongo_105, Bricole_106, Diminimus_107, Dulcita_107, Estes_119, GardenSalsa_117, GenevaB15_121, Glaske16_107, IPhane7_103, LilhomieP_105, MrMagoo_118, Nanosmite_110, PegLeg_107, Reindeer_107, Skinny_109, SlimJimmy_106,

Genes that have the "Most Annotated" start but do not call it:
• Rey_121,

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

Summary by start number:

Start 7:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 94.7% of time when present

• Phage (with cluster) where this start called: Auspice_105 (M1), Aziz_117 (M2), Bongo_105 (M1), Bricole_106 (M1), Diminimus_107 (M1), Dulcita_107 (M1), Estes_119 (M2), GardenSalsa_117 (M2), GenevaB15_121 (M2), Glaske16_107 (M1), IPhane7_103 (M1), LilhomieP_105 (M1), MrMagoo_118 (M2), Nanosmite_110 (M3), PegLeg_107 (M1), Reindeer_107 (M1), Skinny_109 (M1), SlimJimmy_106 (M1),

Start 10:
• Found in 6 of 19 (31.6%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Rey_121 (M2),

Summary by clusters:

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

Info for manual annotations of cluster M1:
•Start number 7 was manually annotated 12 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 7 was manually annotated 5 times for cluster M2.
•Start number 10 was manually annotated 1 time for cluster M2.

Info for manual annotations of cluster M3:
•Start number 7 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_105 Start: 58240, Stop: 58497, Start Num: 7
Candidate Starts for Auspice_105:
(Start: 7 @58240 has 18 MA's), (8, 58246), (9, 58249), (11, 58297), (14, 58360), (16, 58417), (17, 58435), (19, 58486),

Gene: Aziz_117 Start: 60639, Stop: 60890, Start Num: 7
Candidate Starts for Aziz_117:
(1, 60435), (2, 60456), (3, 60477), (4, 60561), (Start: 7 @60639 has 18 MA's), (Start: 10 @60675 has 1 MA's), (11, 60696), (12, 60729), (13, 60738), (14, 60759), (18, 60858), (19, 60879),

Gene: Bongo_105 Start: 58244, Stop: 58501, Start Num: 7
Candidate Starts for Bongo_105:
(Start: 7 @58244 has 18 MA's), (8, 58250), (9, 58253), (11, 58301), (14, 58364), (16, 58421), (17, 58439), (19, 58490),

Gene: Bricole_106 Start: 58392, Stop: 58649, Start Num: 7
Candidate Starts for Bricole_106:
(Start: 7 @58392 has 18 MA's), (8, 58398), (9, 58401), (11, 58449), (14, 58512), (16, 58569), (17, 58587), (19, 58638),

Gene: Diminimus_107 Start: 58239, Stop: 58496, Start Num: 7
Candidate Starts for Diminimus_107:

(Start: 7 @58239 has 18 MA's), (8, 58245), (9, 58248), (11, 58296), (14, 58359), (16, 58416), (17, 58434), (19, 58485),

Gene: Dulcita_107 Start: 58240, Stop: 58497, Start Num: 7
Candidate Starts for Dulcita_107:
(Start: 7 @58240 has 18 MA's), (8, 58246), (9, 58249), (11, 58297), (14, 58360), (16, 58417), (17, 58435), (19, 58486),

Gene: Estes_119 Start: 60878, Stop: 61129, Start Num: 7
Candidate Starts for Estes_119:
(Start: 7 @60878 has 18 MA's), (Start: 10 @60914 has 1 MA's), (11, 60935), (13, 60977), (14, 60998), (15, 61004), (17, 61067), (19, 61118),

Gene: GardenSalsa_117 Start: 60832, Stop: 61083, Start Num: 7
Candidate Starts for GardenSalsa_117:
(Start: 7 @60832 has 18 MA's), (Start: 10 @60868 has 1 MA's), (11, 60889), (13, 60931), (14, 60952), (15, 60958), (17, 61021), (19, 61072),

Gene: GenevaB15_121 Start: 60639, Stop: 60890, Start Num: 7
Candidate Starts for GenevaB15_121:
(1, 60435), (2, 60456), (3, 60477), (4, 60561), (Start: 7 @60639 has 18 MA's), (Start: 10 @60675 has 1 MA's), (11, 60696), (12, 60729), (13, 60738), (14, 60759), (18, 60858), (19, 60879),

Gene: Glaske16_107 Start: 58718, Stop: 58975, Start Num: 7
Candidate Starts for Glaske16_107:
(5, 58646), (6, 58649), (Start: 7 @58718 has 18 MA's), (9, 58727), (11, 58775), (14, 58838), (16, 58895), (17, 58913), (19, 58964),

Gene: IPhane7_103 Start: 58244, Stop: 58501, Start Num: 7
Candidate Starts for IPhane7_103:
(Start: 7 @58244 has 18 MA's), (8, 58250), (9, 58253), (11, 58301), (14, 58364), (16, 58421), (17, 58439), (19, 58490),

Gene: LilhomieP_105 Start: 59134, Stop: 59391, Start Num: 7
Candidate Starts for LilhomieP_105:
(Start: 7 @59134 has 18 MA's), (8, 59140), (9, 59143), (11, 59191), (14, 59254), (16, 59311), (17, 59329), (19, 59380),

Gene: MrMagoo_118 Start: 60833, Stop: 61084, Start Num: 7
Candidate Starts for MrMagoo_118:
(Start: 7 @60833 has 18 MA's), (Start: 10 @60869 has 1 MA's), (11, 60890), (13, 60932), (14, 60953), (15, 60959), (17, 61022), (19, 61073),

Gene: Nanosmite_110 Start: 60290, Stop: 60553, Start Num: 7
Candidate Starts for Nanosmite_110:
(Start: 7 @60290 has 18 MA's), (14, 60410), (16, 60467), (19, 60542),

Gene: PegLeg_107 Start: 58767, Stop: 59024, Start Num: 7
Candidate Starts for PegLeg_107:
(5, 58695), (6, 58698), (Start: 7 @58767 has 18 MA's), (9, 58776), (11, 58824), (14, 58887), (16, 58944), (17, 58962), (19, 59013),

Gene: Reindeer_107 Start: 59737, Stop: 59994, Start Num: 7

Candidate Starts for Reindeer_107:
(Start: 7 @59737 has 18 MA's), (8, 59743), (9, 59746), (11, 59794), (14, 59857), (16, 59914), (17, 59932),

Gene: Rey_121 Start: 60792, Stop: 61007, Start Num: 10
Candidate Starts for Rey_121:
(1, 60552), (2, 60573), (3, 60594), (4, 60678), (Start: 7 @60756 has 18 MA's), (Start: 10 @60792 has 1 MA's), (11, 60813), (12, 60846), (13, 60855), (14, 60876), (18, 60975), (19, 60996),

Gene: Skinny_109 Start: 59486, Stop: 59743, Start Num: 7
Candidate Starts for Skinny_109:
(5, 59414), (6, 59417), (Start: 7 @59486 has 18 MA's), (9, 59495), (11, 59543), (14, 59606), (16, 59663), (17, 59681), (19, 59732),

Gene: SlimJimmy_106 Start: 59697, Stop: 59954, Start Num: 7
Candidate Starts for SlimJimmy_106:
(5, 59625), (6, 59628), (Start: 7 @59697 has 18 MA's), (9, 59706), (11, 59754), (14, 59817), (16, 59874), (17, 59892), (19, 59943),