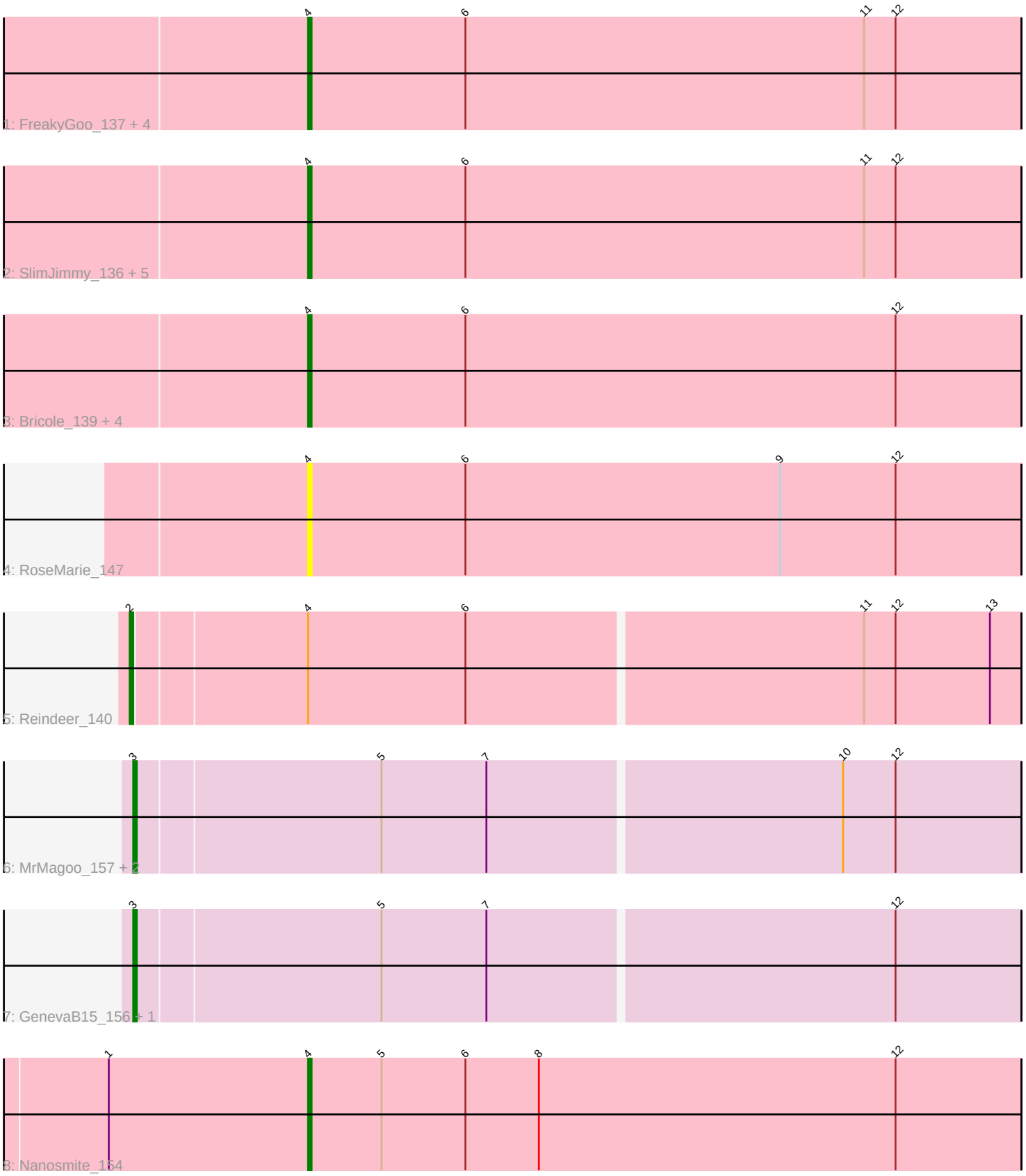
# Pham 311969


4
6
11
12
1: FreakyGoo_137 + 4
4
6
11
12
2: SlimJimmy_136 + 5
4
6
12
3: Bricole_139 + 4
4
6
9
12
4: RoseMarie_147
2
4
6
11
12
13
5: Reindeer_140
3
5
7
10
12
6: MrMagoo_157 + 2
3
5
7
12
7: GenevaB15_156 + 1
1
4
5
6
8
12
8: Nanosmite_154

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 311969 Report

This analysis was run 06/27/26 on database version 652.

Pham number 311969 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : FreakyGoo_137, IPhane7_135, TyDawg_132, Auspice_138, TpudiCK_138
• Track 2 : SlimJimmy_136, Bongo_136, PegLeg_140, Skinny_143, LilhomieP_137, KleverKiS_140
• Track 3 : Bricole_139, Diminimus_137, Izel_137, Glaske16_139, Dulcita_137
• Track 4 : RoseMarie_147
• Track 5 : Reindeer_140
• Track 6 : MrMagoo_157, Estes_155, GardenSalsa_155
• Track 7 : GenevaB15_156, Aziz_153
• Track 8 : Nanosmite_154

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

The start number called the most often in the published annotations is 4, it was called in 15 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_138, Bongo_136, Bricole_139, Diminimus_137, Dulcita_137, FreakyGoo_137, Glaske16_139, IPhane7_135, Izel_137, KleverKiS_140, LilhomieP_137, Nanosmite_154, PegLeg_140, RoseMarie_147, Skinny_143, SlimJimmy_136, TpudiCK_138, TyDawg_132,

Genes that have the "Most Annotated" start but do not call it:
• Reindeer_140,

Genes that do not have the "Most Annotated" start:
• Aziz_153, Estes_155, GardenSalsa_155, GenevaB15_156, MrMagoo_157,

**Summary by start number:**

Start 2:
• Found in 1 of 24 ( 4.2% ) 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: Reindeer_140 (M1),

Start 3:
• Found in 5 of 24 ( 20.8% ) of genes in pham
• Manual Annotations of this start: 5 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_153 (M2), Estes_155 (M2), GardenSalsa_155 (M2), GenevaB15_156 (M2), MrMagoo_157 (M2),

Start 4:
• Found in 19 of 24 ( 79.2% ) of genes in pham
• Manual Annotations of this start: 15 of 21
• Called 94.7% of time when present
• Phage (with cluster) where this start called: Auspice_138 (M1), Bongo_136 (M1), Bricole_139 (M1), Diminimus_137 (M1), Dulcita_137 (M1), FreakyGoo_137 (M1), Glaske16_139 (M1), IPhane7_135 (M1), Izel_137 (M1), KleverKiS_140 (M1), LilhomieP_137 (M1), Nanosmite_154 (M3), PegLeg_140 (M1), RoseMarie_147 (M1), Skinny_143 (M1), SlimJimmy_136 (M1), TpudiCK_138 (M1), TyDawg_132 (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 1 time for cluster M1.
•Start number 4 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 3 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 4 was manually annotated 1 time for cluster M3.

***Gene Information:***

Gene: Auspice_138 Start: 71880, Stop: 71677, Start Num: 4
Candidate Starts for Auspice_138:
(Start: 4 @71880 has 15 MA's), (6, 71835), (11, 71721), (12, 71712),

Gene: Aziz_153 Start: 74265, Stop: 74017, Start Num: 3
Candidate Starts for Aziz_153:
(Start: 3 @74265 has 5 MA's), (5, 74196), (7, 74166), (12, 74052),

Gene: Bongo_136 Start: 71499, Stop: 71296, Start Num: 4
Candidate Starts for Bongo_136:
(Start: 4 @71499 has 15 MA's), (6, 71454), (11, 71340), (12, 71331),

Gene: Bricole_139 Start: 71644, Stop: 71441, Start Num: 4
Candidate Starts for Bricole_139:
(Start: 4 @71644 has 15 MA's), (6, 71599), (12, 71476),

Gene: Diminimus_137 Start: 71315, Stop: 71112, Start Num: 4

Candidate Starts for Diminimus_137:
(Start: 4 @71315 has 15 MA's), (6, 71270), (12, 71147),

Gene: Dulcita_137 Start: 71316, Stop: 71113, Start Num: 4
Candidate Starts for Dulcita_137:
(Start: 4 @71316 has 15 MA's), (6, 71271), (12, 71148),

Gene: Estes_155 Start: 74634, Stop: 74386, Start Num: 3
Candidate Starts for Estes_155:
(Start: 3 @74634 has 5 MA's), (5, 74565), (7, 74535), (10, 74436), (12, 74421),

Gene: FreakyGoo_137 Start: 71797, Stop: 71594, Start Num: 4
Candidate Starts for FreakyGoo_137:
(Start: 4 @71797 has 15 MA's), (6, 71752), (11, 71638), (12, 71629),

Gene: GardenSalsa_155 Start: 74801, Stop: 74553, Start Num: 3
Candidate Starts for GardenSalsa_155:
(Start: 3 @74801 has 5 MA's), (5, 74732), (7, 74702), (10, 74603), (12, 74588),

Gene: GenevaB15_156 Start: 74265, Stop: 74017, Start Num: 3
Candidate Starts for GenevaB15_156:
(Start: 3 @74265 has 5 MA's), (5, 74196), (7, 74166), (12, 74052),

Gene: Glaske16_139 Start: 72434, Stop: 72231, Start Num: 4
Candidate Starts for Glaske16_139:
(Start: 4 @72434 has 15 MA's), (6, 72389), (12, 72266),

Gene: IPhane7_135 Start: 71496, Stop: 71293, Start Num: 4
Candidate Starts for IPhane7_135:
(Start: 4 @71496 has 15 MA's), (6, 71451), (11, 71337), (12, 71328),

Gene: Izel_137 Start: 71315, Stop: 71112, Start Num: 4
Candidate Starts for Izel_137:
(Start: 4 @71315 has 15 MA's), (6, 71270), (12, 71147),

Gene: KleverKiS_140 Start: 72552, Stop: 72349, Start Num: 4
Candidate Starts for KleverKiS_140:
(Start: 4 @72552 has 15 MA's), (6, 72507), (11, 72393), (12, 72384),

Gene: LilhomieP_137 Start: 72345, Stop: 72142, Start Num: 4
Candidate Starts for LilhomieP_137:
(Start: 4 @72345 has 15 MA's), (6, 72300), (11, 72186), (12, 72177),

Gene: MrMagoo_157 Start: 74802, Stop: 74554, Start Num: 3
Candidate Starts for MrMagoo_157:
(Start: 3 @74802 has 5 MA's), (5, 74733), (7, 74703), (10, 74604), (12, 74589),

Gene: Nanosmite_154 Start: 74635, Stop: 74432, Start Num: 4
Candidate Starts for Nanosmite_154:
(1, 74692), (Start: 4 @74635 has 15 MA's), (5, 74614), (6, 74590), (8, 74569), (12, 74467),

Gene: PegLeg_140 Start: 72229, Stop: 72026, Start Num: 4
Candidate Starts for PegLeg_140:

(Start: 4 @72229 has 15 MA's), (6, 72184), (11, 72070), (12, 72061),

Gene: Reindeer_140 Start: 73717, Stop: 73469, Start Num: 2
Candidate Starts for Reindeer_140:
(Start: 2 @73717 has 1 MA's), (Start: 4 @73669 has 15 MA's), (6, 73624), (11, 73513), (12, 73504), (13, 73477),

Gene: RoseMarie_147 Start: 75450, Stop: 75247, Start Num: 4
Candidate Starts for RoseMarie_147:
(Start: 4 @75450 has 15 MA's), (6, 75405), (9, 75315), (12, 75282),

Gene: Skinny_143 Start: 73346, Stop: 73143, Start Num: 4
Candidate Starts for Skinny_143:
(Start: 4 @73346 has 15 MA's), (6, 73301), (11, 73187), (12, 73178),

Gene: SlimJimmy_136 Start: 72055, Stop: 71852, Start Num: 4
Candidate Starts for SlimJimmy_136:
(Start: 4 @72055 has 15 MA's), (6, 72010), (11, 71896), (12, 71887),

Gene: TpudiCK_138 Start: 71316, Stop: 71113, Start Num: 4
Candidate Starts for TpudiCK_138:
(Start: 4 @71316 has 15 MA's), (6, 71271), (11, 71157), (12, 71148),

Gene: TyDawg_132 Start: 71499, Stop: 71296, Start Num: 4
Candidate Starts for TyDawg_132:
(Start: 4 @71499 has 15 MA's), (6, 71454), (11, 71340), (12, 71331),