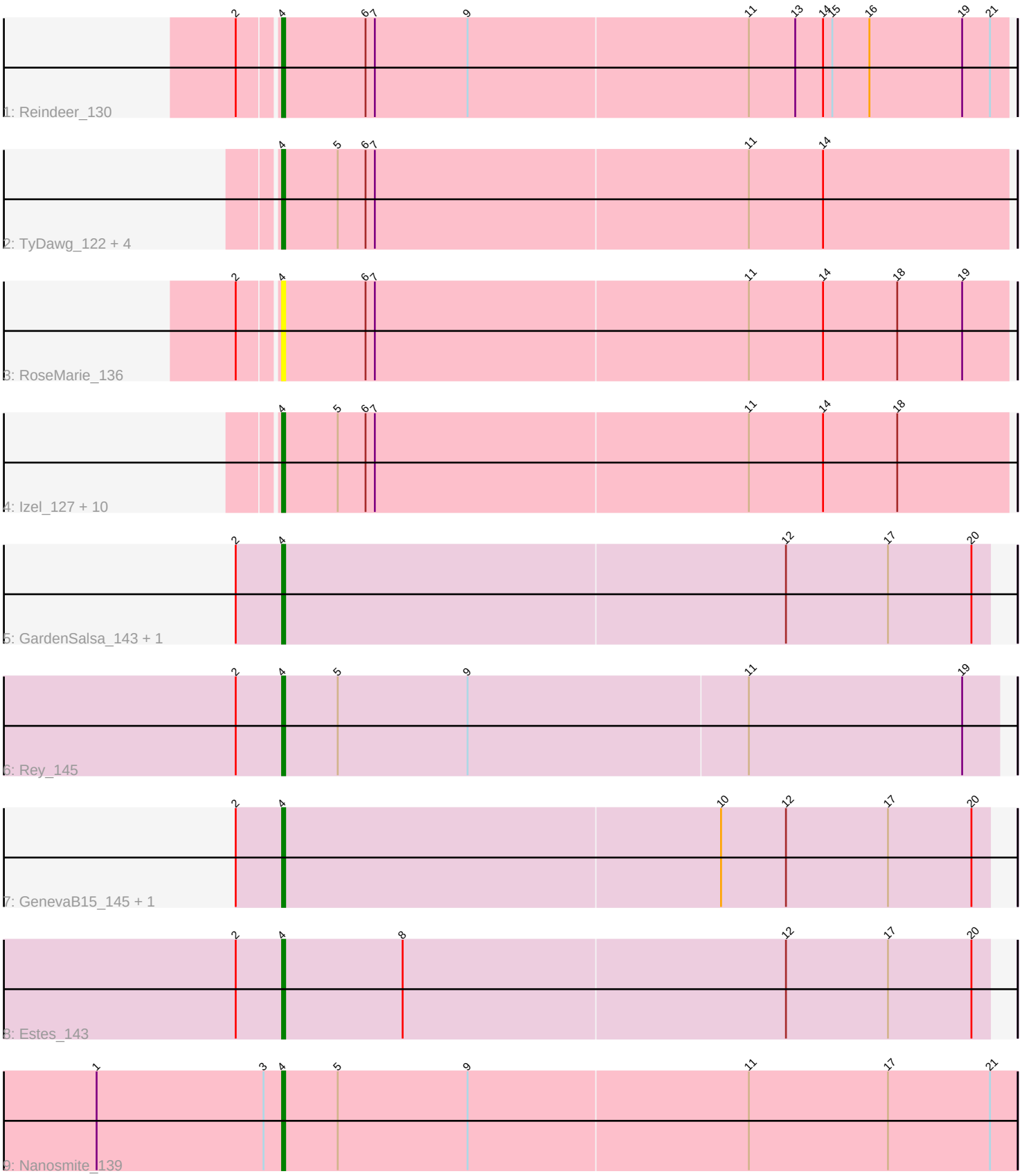
Pham 347965


1: Reindeer_130
2: TyDawg_122 + 4
3: RoseMarie_136
4: Izel_127 + 10
5: GardenSalsa_143 + 1
6: Rey_145
7: GenevaB15_145 + 1
8: Estes_143
9: Nanosmite_139

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 347965 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347965 has 25 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Reindeer_130
• Track 2 : TyDawg_122, Auspice_127, Bongo_126, Bricole_129, IPhane7_125
• Track 3 : RoseMarie_136
• Track 4 : Izel_127, Glaske16_129, LilhomieP_127, TpudiCK_128, FreakyGoo_127, Skinny_133, PegLeg_130, Dulcita_127, Diminimus_127, SlimJimmy_126, KleverKiS_130
• Track 5 : GardenSalsa_143, MrMagoo_145
• Track 6 : Rey_145
• Track 7 : GenevaB15_145, Aziz_142
• Track 8 : Estes_143
• Track 9 : Nanosmite_139

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_127, Aziz_142, Bongo_126, Bricole_129, Diminimus_127, Dulcita_127, Estes_143, FreakyGoo_127, GardenSalsa_143, GenevaB15_145, Glaske16_129, IPhane7_125, Izel_127, KleverKiS_130, LilhomieP_127, MrMagoo_145, Nanosmite_139, PegLeg_130, Reindeer_130, Rey_145, RoseMarie_136, Skinny_133, SlimJimmy_126, TpudiCK_128, TyDawg_122,

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 4:
• Found in 25 of 25 (100.0%) of genes in pham

• Manual Annotations of this start: 22 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_127 (M1), Aziz_142 (M2), Bongo_126 (M1), Bricole_129 (M1), Diminimus_127 (M1), Dulcita_127 (M1), Estes_143 (M2), FreakyGoo_127 (M1), GardenSalsa_143 (M2), GenevaB15_145 (M2), Glaske16_129 (M1), IPhane7_125 (M1), Izel_127 (M1), KleverKiS_130 (M1), LilhomieP_127 (M1), MrMagoo_145 (M2), Nanosmite_139 (M3), PegLeg_130 (M1), Reindeer_130 (M1), Rey_145 (M2), RoseMarie_136 (M1), Skinny_133 (M1), SlimJimmy_126 (M1), TpudiCK_128 (M1), TyDawg_122 (M1),

Summary by clusters:

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

Info for manual annotations of cluster M1:
•Start number 4 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 4 was manually annotated 6 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_127 Start: 66745, Stop: 66978, Start Num: 4
Candidate Starts for Auspice_127:
(Start: 4 @66745 has 22 MA's), (5, 66763), (6, 66772), (7, 66775), (11, 66895), (14, 66919),

Gene: Aziz_142 Start: 67993, Stop: 68220, Start Num: 4
Candidate Starts for Aziz_142:
(2, 67978), (Start: 4 @67993 has 22 MA's), (10, 68134), (12, 68155), (17, 68188), (20, 68215),

Gene: Bongo_126 Start: 66361, Stop: 66594, Start Num: 4
Candidate Starts for Bongo_126:
(Start: 4 @66361 has 22 MA's), (5, 66379), (6, 66388), (7, 66391), (11, 66511), (14, 66535),

Gene: Bricole_129 Start: 66509, Stop: 66742, Start Num: 4
Candidate Starts for Bricole_129:
(Start: 4 @66509 has 22 MA's), (5, 66527), (6, 66536), (7, 66539), (11, 66659), (14, 66683),

Gene: Diminimus_127 Start: 66177, Stop: 66410, Start Num: 4
Candidate Starts for Diminimus_127:
(Start: 4 @66177 has 22 MA's), (5, 66195), (6, 66204), (7, 66207), (11, 66327), (14, 66351), (18, 66375),

Gene: Dulcita_127 Start: 66178, Stop: 66411, Start Num: 4
Candidate Starts for Dulcita_127:
(Start: 4 @66178 has 22 MA's), (5, 66196), (6, 66205), (7, 66208), (11, 66328), (14, 66352), (18, 66376),

Gene: Estes_143 Start: 68165, Stop: 68392, Start Num: 4
Candidate Starts for Estes_143:
(2, 68150), (Start: 4 @68165 has 22 MA's), (8, 68204), (12, 68327), (17, 68360), (20, 68387),

Gene: FreakyGoo_127 Start: 66662, Stop: 66895, Start Num: 4
Candidate Starts for FreakyGoo_127:
(Start: 4 @66662 has 22 MA's), (5, 66680), (6, 66689), (7, 66692), (11, 66812), (14, 66836), (18, 66860),

Gene: GardenSalsa_143 Start: 68335, Stop: 68562, Start Num: 4
Candidate Starts for GardenSalsa_143:
(2, 68320), (Start: 4 @68335 has 22 MA's), (12, 68497), (17, 68530), (20, 68557),

Gene: GenevaB15_145 Start: 67993, Stop: 68220, Start Num: 4
Candidate Starts for GenevaB15_145:
(2, 67978), (Start: 4 @67993 has 22 MA's), (10, 68134), (12, 68155), (17, 68188), (20, 68215),

Gene: Glaske16_129 Start: 67296, Stop: 67529, Start Num: 4
Candidate Starts for Glaske16_129:
(Start: 4 @67296 has 22 MA's), (5, 67314), (6, 67323), (7, 67326), (11, 67446), (14, 67470), (18, 67494),

Gene: IPhane7_125 Start: 66361, Stop: 66594, Start Num: 4
Candidate Starts for IPhane7_125:
(Start: 4 @66361 has 22 MA's), (5, 66379), (6, 66388), (7, 66391), (11, 66511), (14, 66535),

Gene: Izel_127 Start: 66177, Stop: 66410, Start Num: 4
Candidate Starts for Izel_127:
(Start: 4 @66177 has 22 MA's), (5, 66195), (6, 66204), (7, 66207), (11, 66327), (14, 66351), (18, 66375),

Gene: KleverKiS_130 Start: 67846, Stop: 68079, Start Num: 4
Candidate Starts for KleverKiS_130:
(Start: 4 @67846 has 22 MA's), (5, 67864), (6, 67873), (7, 67876), (11, 67996), (14, 68020), (18, 68044),

Gene: LilhomieP_127 Start: 67639, Stop: 67872, Start Num: 4
Candidate Starts for LilhomieP_127:
(Start: 4 @67639 has 22 MA's), (5, 67657), (6, 67666), (7, 67669), (11, 67789), (14, 67813), (18, 67837),

Gene: MrMagoo_145 Start: 68336, Stop: 68563, Start Num: 4
Candidate Starts for MrMagoo_145:
(2, 68321), (Start: 4 @68336 has 22 MA's), (12, 68498), (17, 68531), (20, 68558),

Gene: Nanosmite_139 Start: 68420, Stop: 68656, Start Num: 4
Candidate Starts for Nanosmite_139:
(1, 68360), (3, 68414), (Start: 4 @68420 has 22 MA's), (5, 68438), (9, 68480), (11, 68570), (17, 68615), (21, 68648),

Gene: PegLeg_130 Start: 67523, Stop: 67756, Start Num: 4
Candidate Starts for PegLeg_130:

(Start: 4 @67523 has 22 MA's), (5, 67541), (6, 67550), (7, 67553), (11, 67673), (14, 67697), (18, 67721),

Gene: Reindeer_130 Start: 68776, Stop: 69009, Start Num: 4
Candidate Starts for Reindeer_130:
(2, 68764), (Start: 4 @68776 has 22 MA's), (6, 68803), (7, 68806), (9, 68836), (11, 68926), (13, 68941), (14, 68950), (15, 68953), (16, 68965), (19, 68995), (21, 69004),

Gene: Rey_145 Start: 67870, Stop: 68100, Start Num: 4
Candidate Starts for Rey_145:
(2, 67855), (Start: 4 @67870 has 22 MA's), (5, 67888), (9, 67930), (11, 68020), (19, 68089),

Gene: RoseMarie_136 Start: 70315, Stop: 70548, Start Num: 4
Candidate Starts for RoseMarie_136:
(2, 70303), (Start: 4 @70315 has 22 MA's), (6, 70342), (7, 70345), (11, 70465), (14, 70489), (18, 70513), (19, 70534),

Gene: Skinny_133 Start: 68640, Stop: 68873, Start Num: 4
Candidate Starts for Skinny_133:
(Start: 4 @68640 has 22 MA's), (5, 68658), (6, 68667), (7, 68670), (11, 68790), (14, 68814), (18, 68838),

Gene: SlimJimmy_126 Start: 67349, Stop: 67582, Start Num: 4
Candidate Starts for SlimJimmy_126:
(Start: 4 @67349 has 22 MA's), (5, 67367), (6, 67376), (7, 67379), (11, 67499), (14, 67523), (18, 67547),

Gene: TpudiCK_128 Start: 66182, Stop: 66415, Start Num: 4
Candidate Starts for TpudiCK_128:
(Start: 4 @66182 has 22 MA's), (5, 66200), (6, 66209), (7, 66212), (11, 66332), (14, 66356), (18, 66380),

Gene: TyDawg_122 Start: 66364, Stop: 66597, Start Num: 4
Candidate Starts for TyDawg_122:
(Start: 4 @66364 has 22 MA's), (5, 66382), (6, 66391), (7, 66394), (11, 66514), (14, 66538),