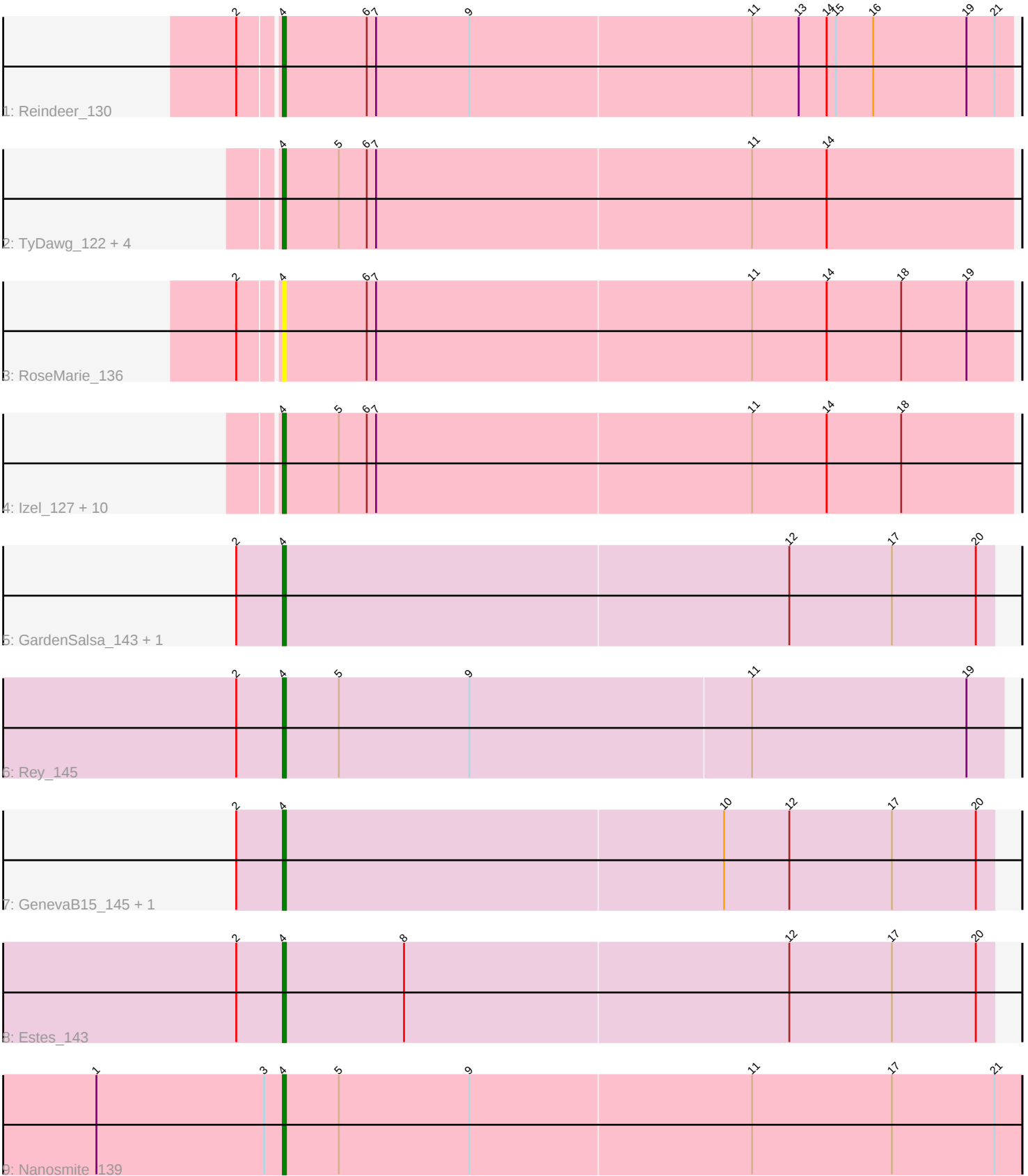


Pham 329360



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 329360 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329360 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),