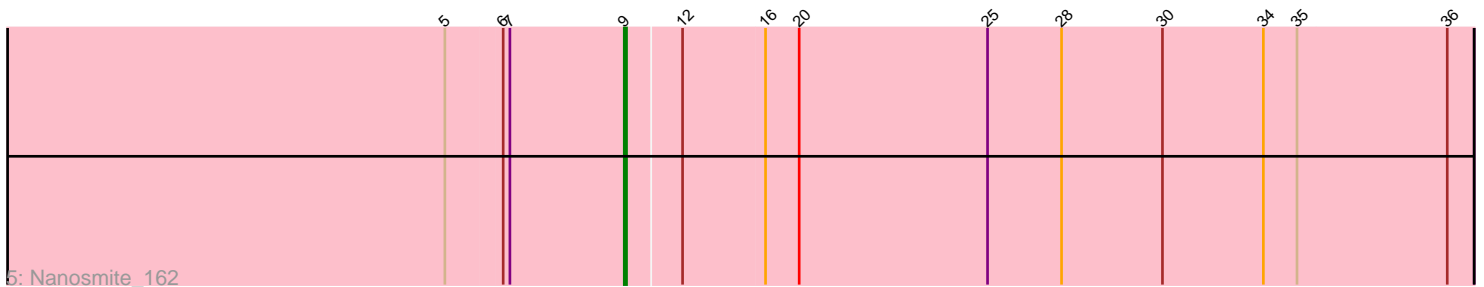
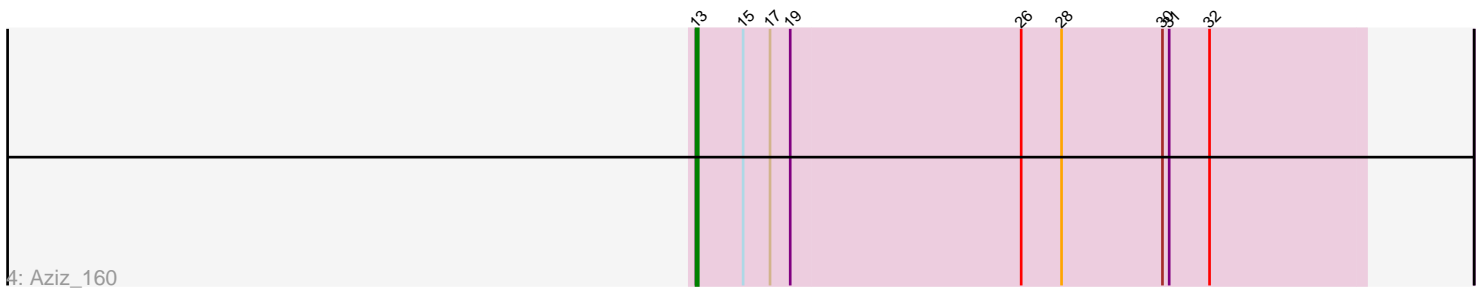
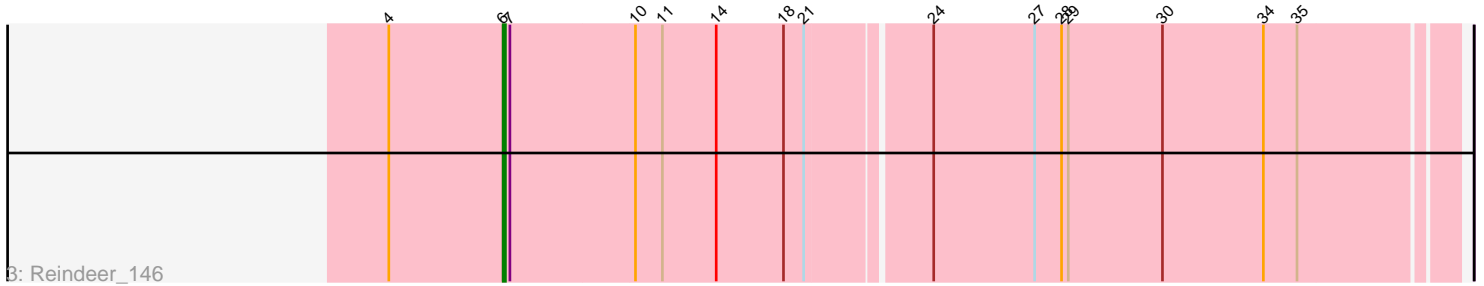
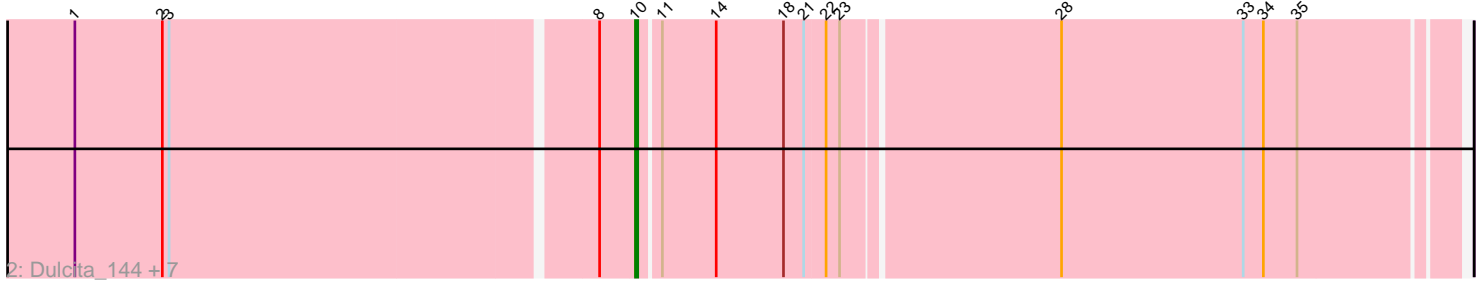
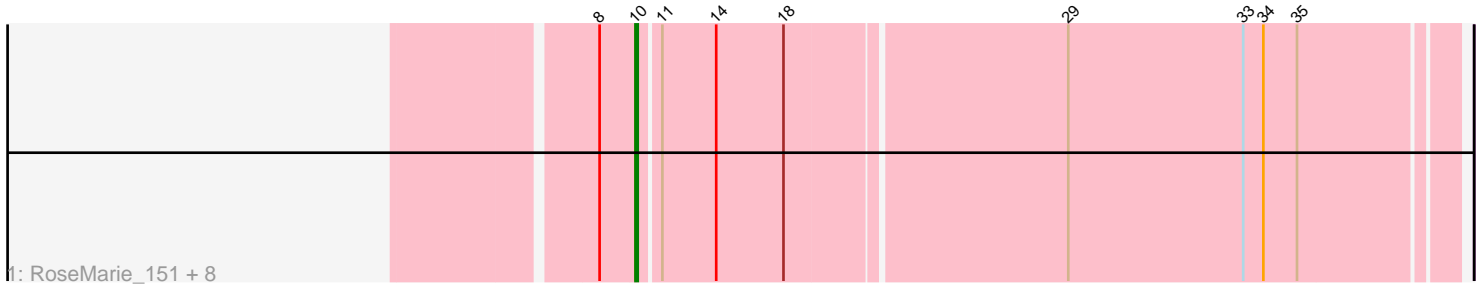


Pham 309306



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 309306 Report

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

Pham number 309306 has 20 members, 3 are drafts.

Phages represented in each track:

- Track 1 : RoseMarie_151, Auspice_147, FreakyGoo_146, Bricole_149, TyDawg_140, TpudiCK_147, KleverKiS_149, IPhane7_144, SlimJimmy_144
- Track 2 : Dulcita_144, LilhomieP_143, Glaske16_146, Izel_143, Bongo_141, Skinny_150, Diminimus_144, PegLeg_147
- Track 3 : Reindeer_146
- Track 4 : Aziz_160
- Track 5 : Nanosmite_162

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

The start number called the most often in the published annotations is 10, it was called in 14 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_147, Bongo_141, Bricole_149, Diminimus_144, Dulcita_144, FreakyGoo_146, Glaske16_146, IPhane7_144, Izel_143, KleverKiS_149, LilhomieP_143, PegLeg_147, RoseMarie_151, Skinny_150, SlimJimmy_144, TpudiCK_147, TyDawg_140,

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

- Reindeer_146,

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

- Aziz_160, Nanosmite_162,

Summary by start number:

Start 6:

- Found in 2 of 20 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Reindeer_146 (M1),

Start 9:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nanosmite_162 (M3),

Start 10:

- Found in 18 of 20 (90.0%) of genes in pham
- Manual Annotations of this start: 14 of 17
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Auspice_147 (M1), Bongo_141 (M1), Bricole_149 (M1), Diminimus_144 (M1), Dulcita_144 (M1), FreakyGoo_146 (M1), Glaske16_146 (M1), IPhone7_144 (M1), Izel_143 (M1), KleverKiS_149 (M1), LilhomieP_143 (M1), PegLeg_147 (M1), RoseMarie_151 (M1), Skinny_150 (M1), SlimJimmy_144 (M1), TpudiCK_147 (M1), TyDawg_140 (M1),

Start 13:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 17
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aziz_160 (M2),

Summary by clusters:

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

Info for manual annotations of cluster M1:

- Start number 6 was manually annotated 1 time for cluster M1.
- Start number 10 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 13 was manually annotated 1 time 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_147 Start: 74399, Stop: 74049, Start Num: 10

Candidate Starts for Auspice_147:

(8, 74414), (Start: 10 @74399 has 14 MA's), (11, 74390), (14, 74366), (18, 74336), (29, 74216), (33, 74138), (34, 74129), (35, 74114),

Gene: Aziz_160 Start: 76484, Stop: 76188, Start Num: 13

Candidate Starts for Aziz_160:

(Start: 13 @76484 has 1 MA's), (15, 76463), (17, 76451), (19, 76442), (26, 76340), (28, 76322), (30, 76277), (31, 76274), (32, 76256),

Gene: Bongo_141 Start: 73259, Stop: 72909, Start Num: 10

Candidate Starts for Bongo_141:

(1, 73499), (2, 73460), (3, 73457), (8, 73274), (Start: 10 @73259 has 14 MA's), (11, 73250), (14, 73226), (18, 73196), (21, 73187), (22, 73178), (23, 73172), (28, 73079), (33, 72998), (34, 72989), (35,

72974),

Gene: Bricole_149 Start: 74162, Stop: 73812, Start Num: 10

Candidate Starts for Bricole_149:

(8, 74177), (Start: 10 @74162 has 14 MA's), (11, 74153), (14, 74129), (18, 74099), (29, 73979), (33, 73901), (34, 73892), (35, 73877),

Gene: Diminimus_144 Start: 73075, Stop: 72725, Start Num: 10

Candidate Starts for Diminimus_144:

(1, 73315), (2, 73276), (3, 73273), (8, 73090), (Start: 10 @73075 has 14 MA's), (11, 73066), (14, 73042), (18, 73012), (21, 73003), (22, 72994), (23, 72988), (28, 72895), (33, 72814), (34, 72805), (35, 72790),

Gene: Dulcita_144 Start: 73076, Stop: 72726, Start Num: 10

Candidate Starts for Dulcita_144:

(1, 73316), (2, 73277), (3, 73274), (8, 73091), (Start: 10 @73076 has 14 MA's), (11, 73067), (14, 73043), (18, 73013), (21, 73004), (22, 72995), (23, 72989), (28, 72896), (33, 72815), (34, 72806), (35, 72791),

Gene: FreakyGoo_146 Start: 74314, Stop: 73964, Start Num: 10

Candidate Starts for FreakyGoo_146:

(8, 74329), (Start: 10 @74314 has 14 MA's), (11, 74305), (14, 74281), (18, 74251), (29, 74131), (33, 74053), (34, 74044), (35, 74029),

Gene: Glaske16_146 Start: 74194, Stop: 73844, Start Num: 10

Candidate Starts for Glaske16_146:

(1, 74434), (2, 74395), (3, 74392), (8, 74209), (Start: 10 @74194 has 14 MA's), (11, 74185), (14, 74161), (18, 74131), (21, 74122), (22, 74113), (23, 74107), (28, 74014), (33, 73933), (34, 73924), (35, 73909),

Gene: IPhane7_144 Start: 74015, Stop: 73665, Start Num: 10

Candidate Starts for IPhane7_144:

(8, 74030), (Start: 10 @74015 has 14 MA's), (11, 74006), (14, 73982), (18, 73952), (29, 73832), (33, 73754), (34, 73745), (35, 73730),

Gene: Izel_143 Start: 73075, Stop: 72725, Start Num: 10

Candidate Starts for Izel_143:

(1, 73315), (2, 73276), (3, 73273), (8, 73090), (Start: 10 @73075 has 14 MA's), (11, 73066), (14, 73042), (18, 73012), (21, 73003), (22, 72994), (23, 72988), (28, 72895), (33, 72814), (34, 72805), (35, 72790),

Gene: KleverKiS_149 Start: 75072, Stop: 74722, Start Num: 10

Candidate Starts for KleverKiS_149:

(8, 75087), (Start: 10 @75072 has 14 MA's), (11, 75063), (14, 75039), (18, 75009), (29, 74889), (33, 74811), (34, 74802), (35, 74787),

Gene: LilhomieP_143 Start: 74105, Stop: 73755, Start Num: 10

Candidate Starts for LilhomieP_143:

(1, 74345), (2, 74306), (3, 74303), (8, 74120), (Start: 10 @74105 has 14 MA's), (11, 74096), (14, 74072), (18, 74042), (21, 74033), (22, 74024), (23, 74018), (28, 73925), (33, 73844), (34, 73835), (35, 73820),

Gene: Nanosmite_162 Start: 76821, Stop: 76447, Start Num: 9

Candidate Starts for Nanosmite_162:

(5, 76899), (Start: 6 @76875 has 1 MA's), (7, 76872), (Start: 9 @76821 has 1 MA's), (12, 76797), (16, 76761), (20, 76746), (25, 76662), (28, 76629), (30, 76584), (34, 76539), (35, 76524), (36, 76458),

Gene: PegLeg_147 Start: 73989, Stop: 73639, Start Num: 10

Candidate Starts for PegLeg_147:

(1, 74229), (2, 74190), (3, 74187), (8, 74004), (Start: 10 @73989 has 14 MA's), (11, 73980), (14, 73956), (18, 73926), (21, 73917), (22, 73908), (23, 73902), (28, 73809), (33, 73728), (34, 73719), (35, 73704),

Gene: Reindeer_146 Start: 75442, Stop: 75032, Start Num: 6

Candidate Starts for Reindeer_146:

(4, 75493), (Start: 6 @75442 has 1 MA's), (7, 75439), (Start: 10 @75385 has 14 MA's), (11, 75373), (14, 75349), (18, 75319), (21, 75310), (24, 75259), (27, 75214), (28, 75202), (29, 75199), (30, 75157), (34, 75112), (35, 75097),

Gene: RoseMarie_151 Start: 76711, Stop: 76361, Start Num: 10

Candidate Starts for RoseMarie_151:

(8, 76726), (Start: 10 @76711 has 14 MA's), (11, 76702), (14, 76678), (18, 76648), (29, 76528), (33, 76450), (34, 76441), (35, 76426),

Gene: Skinny_150 Start: 75106, Stop: 74756, Start Num: 10

Candidate Starts for Skinny_150:

(1, 75346), (2, 75307), (3, 75304), (8, 75121), (Start: 10 @75106 has 14 MA's), (11, 75097), (14, 75073), (18, 75043), (21, 75034), (22, 75025), (23, 75019), (28, 74926), (33, 74845), (34, 74836), (35, 74821),

Gene: SlimJimmy_144 Start: 74573, Stop: 74223, Start Num: 10

Candidate Starts for SlimJimmy_144:

(8, 74588), (Start: 10 @74573 has 14 MA's), (11, 74564), (14, 74540), (18, 74510), (29, 74390), (33, 74312), (34, 74303), (35, 74288),

Gene: TpudiCK_147 Start: 73833, Stop: 73483, Start Num: 10

Candidate Starts for TpudiCK_147:

(8, 73848), (Start: 10 @73833 has 14 MA's), (11, 73824), (14, 73800), (18, 73770), (29, 73650), (33, 73572), (34, 73563), (35, 73548),

Gene: TyDawg_140 Start: 74018, Stop: 73668, Start Num: 10

Candidate Starts for TyDawg_140:

(8, 74033), (Start: 10 @74018 has 14 MA's), (11, 74009), (14, 73985), (18, 73955), (29, 73835), (33, 73757), (34, 73748), (35, 73733),