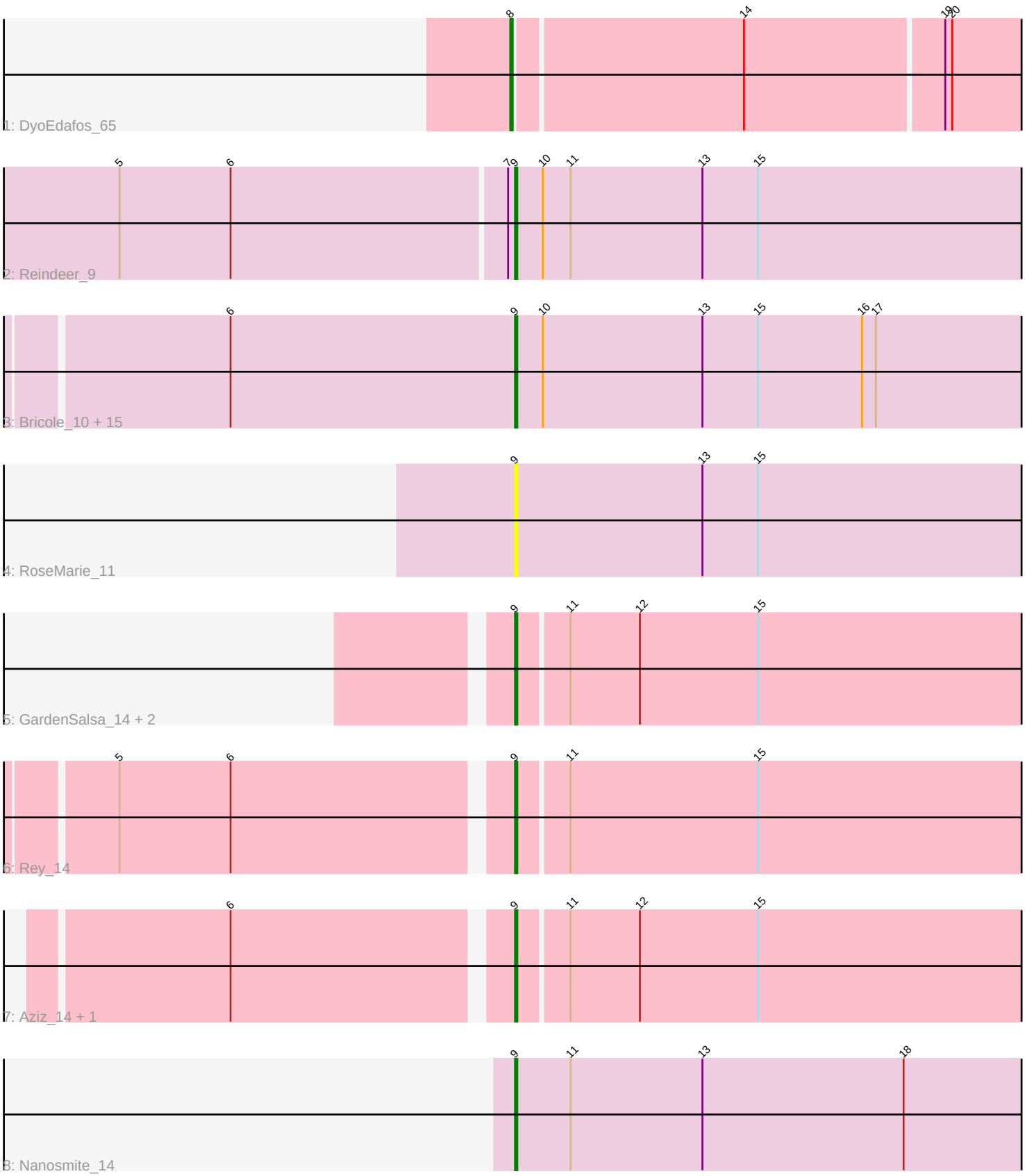
# Zoomed Pham 347960



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 347960 Report

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

Pham number 347960 has 26 members, 3 are drafts.

Phages represented in each track:
• Track 1 : DyoEdafos_65
• Track 2 : Reindeer_9
• Track 3 : Bricole_10, Dulcita_11, Glaske16_11, TpudiCK_11, IPhane7_10, Bongo_10, Skinny_11, FreakyGoo_11, Diminimus_11, SlimJimmy_10, KleverKiS_10, LilhomieP_10, PegLeg_10, TyDawg_10, Izel_11, Auspice_10
• Track 4 : RoseMarie_11
• Track 5 : GardenSalsa_14, MrMagoo_14, Estes_15
• Track 6 : Rey_14
• Track 7 : Aziz_14, GenevaB15_14
• Track 8 : Nanosmite_14

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

The start number called the most often in the published annotations is 9, it was called in 22 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_10, Aziz_14, Bongo_10, Bricole_10, Diminimus_11, Dulcita_11, Estes_15, FreakyGoo_11, GardenSalsa_14, GenevaB15_14, Glaske16_11, IPhane7_10, Izel_11, KleverKiS_10, LilhomieP_10, MrMagoo_14, Nanosmite_14, PegLeg_10, Reindeer_9, Rey_14, RoseMarie_11, Skinny_11, SlimJimmy_10, TpudiCK_11, TyDawg_10,

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

Genes that do not have the "Most Annotated" start:
• DyoEdafos_65,

**Summary by start number:**

Start 8:
• Found in 1 of 26 ( 3.8% ) of genes in pham
• Manual Annotations of this start: 1 of 23

• Called 100.0% of time when present
• Phage (with cluster) where this start called: DyoEdafos_65 (L4),

Start 9:
• Found in 25 of 26 ( 96.2% ) of genes in pham
• Manual Annotations of this start: 22 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auspice_10 (M1), Aziz_14 (M2), Bongo_10 (M1), Bricole_10 (M1), Diminimus_11 (M1), Dulcita_11 (M1), Estes_15 (M2), FreakyGoo_11 (M1), GardenSalsa_14 (M2), GenevaB15_14 (M2), Glaske16_11 (M1), IPhane7_10 (M1), Izel_11 (M1), KleverKiS_10 (M1), LilhomieP_10 (M1), MrMagoo_14 (M2), Nanosmite_14 (M3), PegLeg_10 (M1), Reindeer_9 (M1), Rey_14 (M2), RoseMarie_11 (M1), Skinny_11 (M1), SlimJimmy_10 (M1), TpudiCK_11 (M1), TyDawg_10 (M1),

**Summary by clusters:**

There are 4 clusters represented in this pham: L4, M1, M3, M2,

Info for manual annotations of cluster L4:
•Start number 8 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster M1:
•Start number 9 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 9 was manually annotated 6 times 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_10 Start: 3645, Stop: 3415, Start Num: 9
Candidate Starts for Auspice_10:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),

Gene: Aziz_14 Start: 4266, Stop: 4039, Start Num: 9
Candidate Starts for Aziz_14:
(6, 4380), (Start: 9 @4266 has 22 MA's), (11, 4245), (12, 4215), (15, 4164),

Gene: Bongo_10 Start: 3645, Stop: 3415, Start Num: 9
Candidate Starts for Bongo_10:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),

Gene: Bricole_10 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Bricole_10:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: Diminimus_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Diminimus_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: Dulcita_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Dulcita_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: DyoEdafos_65 Start: 44596, Stop: 44826, Start Num: 8
Candidate Starts for DyoEdafos_65:
(Start: 8 @44596 has 1 MA's), (14, 44692), (19, 44776), (20, 44779),

Gene: Estes_15 Start: 4411, Stop: 4184, Start Num: 9
Candidate Starts for Estes_15:
(Start: 9 @4411 has 22 MA's), (11, 4390), (12, 4360), (15, 4309),

Gene: FreakyGoo_11 Start: 3645, Stop: 3415, Start Num: 9
Candidate Starts for FreakyGoo_11:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),

Gene: GardenSalsa_14 Start: 4245, Stop: 4018, Start Num: 9
Candidate Starts for GardenSalsa_14:
(Start: 9 @4245 has 22 MA's), (11, 4224), (12, 4194), (15, 4143),

Gene: GenevaB15_14 Start: 4266, Stop: 4039, Start Num: 9
Candidate Starts for GenevaB15_14:
(6, 4380), (Start: 9 @4266 has 22 MA's), (11, 4245), (12, 4215), (15, 4164),

Gene: Glaske16_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Glaske16_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: IPhane7_10 Start: 3645, Stop: 3415, Start Num: 9
Candidate Starts for IPhane7_10:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),

Gene: Izel_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Izel_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: KleverKiS_10 Start: 3641, Stop: 3411, Start Num: 9
Candidate Starts for KleverKiS_10:
(2, 3887), (3, 3872), (4, 3863), (6, 3764), (Start: 9 @3641 has 22 MA's), (10, 3629), (13, 3560), (15, 3536), (16, 3491), (17, 3485),

Gene: LilhomieP_10 Start: 3645, Stop: 3415, Start Num: 9

Candidate Starts for LilhomieP_10:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),

Gene: MrMagoo_14 Start: 4245, Stop: 4018, Start Num: 9
Candidate Starts for MrMagoo_14:
(Start: 9 @4245 has 22 MA's), (11, 4224), (12, 4194), (15, 4143),

Gene: Nanosmite_14 Start: 4397, Stop: 4167, Start Num: 9
Candidate Starts for Nanosmite_14:
(Start: 9 @4397 has 22 MA's), (11, 4373), (13, 4316), (18, 4229),

Gene: PegLeg_10 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for PegLeg_10:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: Reindeer_9 Start: 3514, Stop: 3284, Start Num: 9
Candidate Starts for Reindeer_9:
(1, 3850), (3, 3748), (4, 3739), (5, 3682), (6, 3634), (7, 3517), (Start: 9 @3514 has 22 MA's), (10, 3502), (11, 3490), (13, 3433), (15, 3409),

Gene: Rey_14 Start: 4475, Stop: 4248, Start Num: 9
Candidate Starts for Rey_14:
(3, 4697), (4, 4688), (5, 4637), (6, 4589), (Start: 9 @4475 has 22 MA's), (11, 4454), (15, 4373),

Gene: RoseMarie_11 Start: 3892, Stop: 3662, Start Num: 9
Candidate Starts for RoseMarie_11:
(Start: 9 @3892 has 22 MA's), (13, 3811), (15, 3787), (21, 3670),

Gene: Skinny_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for Skinny_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: SlimJimmy_10 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for SlimJimmy_10:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: TpudiCK_11 Start: 3644, Stop: 3414, Start Num: 9
Candidate Starts for TpudiCK_11:
(2, 3890), (3, 3875), (4, 3866), (6, 3767), (Start: 9 @3644 has 22 MA's), (10, 3632), (13, 3563), (15, 3539), (16, 3494), (17, 3488),

Gene: TyDawg_10 Start: 3645, Stop: 3415, Start Num: 9
Candidate Starts for TyDawg_10:
(2, 3891), (3, 3876), (4, 3867), (6, 3768), (Start: 9 @3645 has 22 MA's), (10, 3633), (13, 3564), (15, 3540), (16, 3495), (17, 3489),