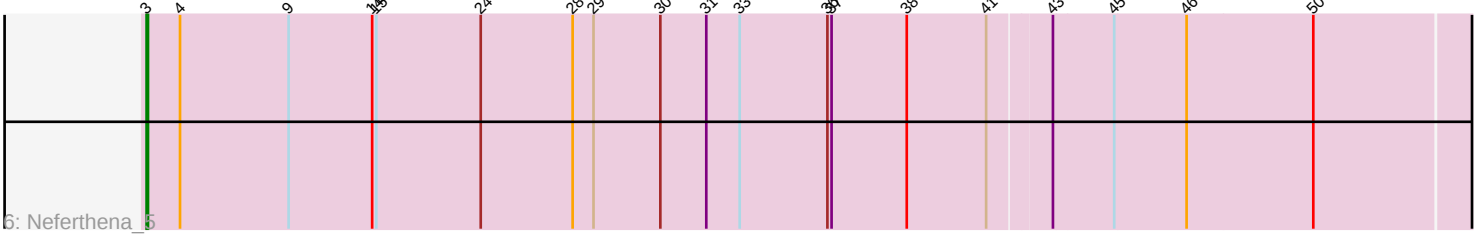
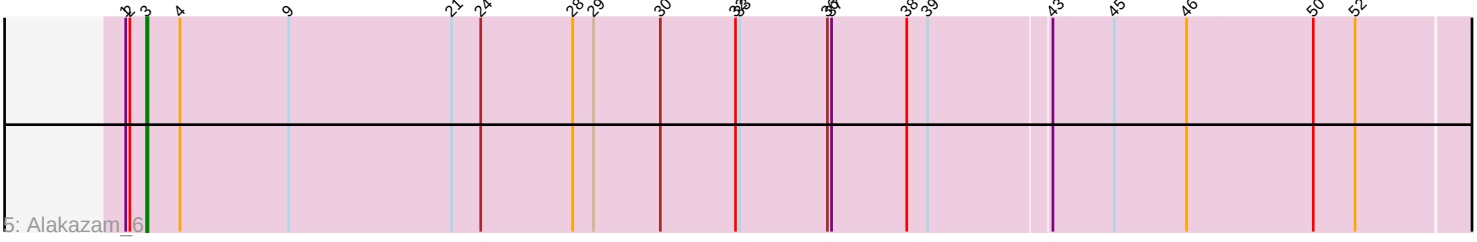
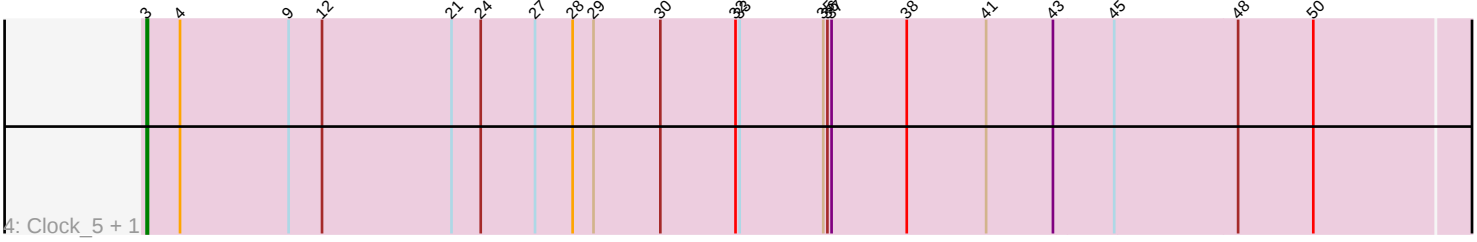
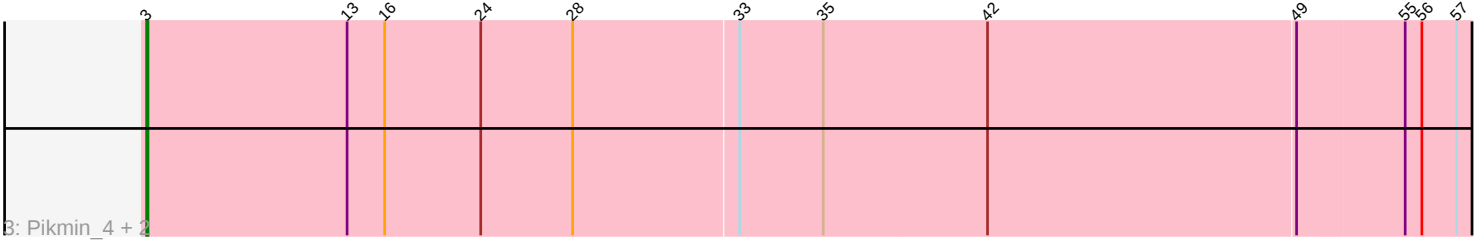
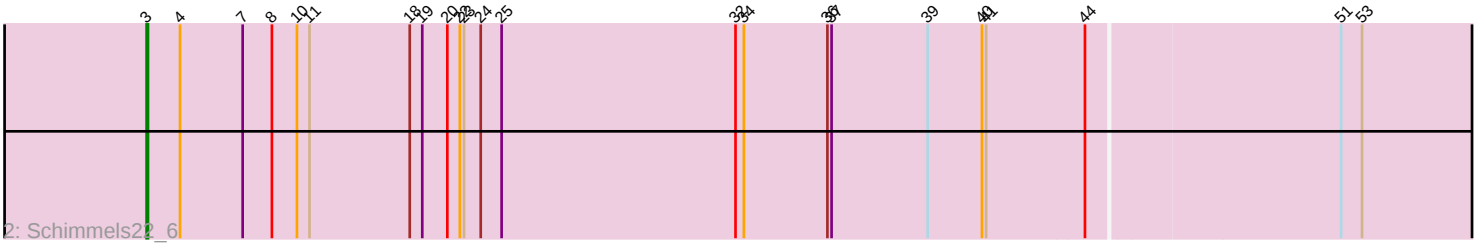
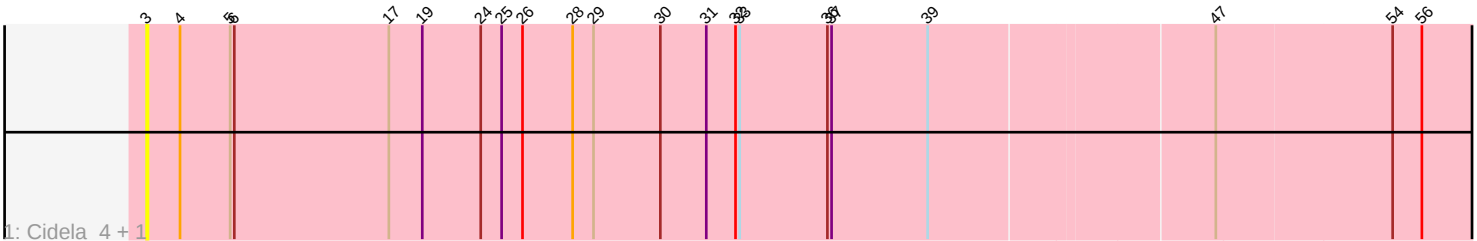


Zoomed Pham 331482



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 331482 Report

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

Pham number 331482 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Cidela_4, Fabyndrax_4
- Track 2 : Schimmels22_6
- Track 3 : Pikmin_4, Casey_4, Pajaza_4
- Track 4 : Clock_5, Nebulous_5
- Track 5 : Alakazam_6
- Track 6 : Neferthena_5

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alakazam_6, Casey_4, Cidela_4, Clock_5, Fabyndrax_4, Nebulous_5, Neferthena_5, Pajaza_4, Pikmin_4, Schimmels22_6,

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 3:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alakazam_6 (EA5), Casey_4 (EA3), Cidela_4 (EA10), Clock_5 (EA5), Fabyndrax_4 (EA10), Nebulous_5 (EA5), Neferthena_5 (EA5), Pajaza_4 (EA3), Pikmin_4 (EA3), Schimmels22_6 (EA11),

Summary by clusters:

There are 4 clusters represented in this pham: EA11, EA3, EA5, EA10,

Info for manual annotations of cluster EA11:

- Start number 3 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA3:

- Start number 3 was manually annotated 3 times for cluster EA3.

Info for manual annotations of cluster EA5:

- Start number 3 was manually annotated 4 times for cluster EA5.

Gene Information:

Gene: Alakazam_6 Start: 3743, Stop: 5158, Start Num: 3

Candidate Starts for Alakazam_6:

(1, 3728), (2, 3731), (Start: 3 @3743 has 8 MA's), (4, 3767), (9, 3845), (21, 3962), (24, 3983), (28, 4049), (29, 4064), (30, 4112), (32, 4166), (33, 4169), (36, 4232), (37, 4235), (38, 4289), (39, 4304), (43, 4388), (45, 4430), (46, 4481), (50, 4571), (52, 4601), (59, 4688), (62, 4730), (67, 4763), (73, 4838), (80, 4901), (89, 5114), (90, 5129), (91, 5135),

Gene: Casey_4 Start: 3322, Stop: 4506, Start Num: 3

Candidate Starts for Casey_4:

(Start: 3 @3322 has 8 MA's), (13, 3466), (16, 3493), (24, 3562), (28, 3628), (33, 3745), (35, 3805), (42, 3922), (49, 4141), (55, 4216), (56, 4228), (57, 4252), (62, 4312), (65, 4330), (66, 4333), (69, 4387), (70, 4390), (72, 4405), (74, 4423), (75, 4435), (78, 4462), (79, 4465),

Gene: Cidela_4 Start: 3572, Stop: 4984, Start Num: 3

Candidate Starts for Cidela_4:

(Start: 3 @3572 has 8 MA's), (4, 3596), (5, 3632), (6, 3635), (17, 3746), (19, 3770), (24, 3812), (25, 3827), (26, 3842), (28, 3878), (29, 3893), (30, 3941), (31, 3974), (32, 3995), (33, 3998), (36, 4061), (37, 4064), (39, 4133), (47, 4328), (54, 4451), (56, 4472), (61, 4547), (65, 4574), (67, 4586), (71, 4649), (75, 4685), (81, 4724), (82, 4754), (83, 4781), (85, 4799), (86, 4805), (92, 4970),

Gene: Clock_5 Start: 3681, Stop: 5099, Start Num: 3

Candidate Starts for Clock_5:

(Start: 3 @3681 has 8 MA's), (4, 3705), (9, 3783), (12, 3807), (21, 3900), (24, 3921), (27, 3960), (28, 3987), (29, 4002), (30, 4050), (32, 4104), (33, 4107), (35, 4167), (36, 4170), (37, 4173), (38, 4227), (41, 4284), (43, 4332), (45, 4374), (48, 4461), (50, 4515), (59, 4632), (62, 4674), (67, 4707), (68, 4737), (73, 4782), (80, 4845), (87, 4935), (89, 5058), (90, 5073), (93, 5091),

Gene: Fabyndrax_4 Start: 3572, Stop: 4984, Start Num: 3

Candidate Starts for Fabyndrax_4:

(Start: 3 @3572 has 8 MA's), (4, 3596), (5, 3632), (6, 3635), (17, 3746), (19, 3770), (24, 3812), (25, 3827), (26, 3842), (28, 3878), (29, 3893), (30, 3941), (31, 3974), (32, 3995), (33, 3998), (36, 4061), (37, 4064), (39, 4133), (47, 4328), (54, 4451), (56, 4472), (61, 4547), (65, 4574), (67, 4586), (71, 4649), (75, 4685), (81, 4724), (82, 4754), (83, 4781), (85, 4799), (86, 4805), (92, 4970),

Gene: Nebulous_5 Start: 3690, Stop: 5108, Start Num: 3

Candidate Starts for Nebulous_5:

(Start: 3 @3690 has 8 MA's), (4, 3714), (9, 3792), (12, 3816), (21, 3909), (24, 3930), (27, 3969), (28, 3996), (29, 4011), (30, 4059), (32, 4113), (33, 4116), (35, 4176), (36, 4179), (37, 4182), (38, 4236), (41, 4293), (43, 4341), (45, 4383), (48, 4470), (50, 4524), (59, 4641), (62, 4683), (67, 4716), (68, 4746), (73, 4791), (80, 4854), (87, 4944), (89, 5067), (90, 5082), (93, 5100),

Gene: Neferthena_5 Start: 3696, Stop: 5111, Start Num: 3

Candidate Starts for Neferthena_5:

(Start: 3 @3696 has 8 MA's), (4, 3720), (9, 3798), (14, 3858), (15, 3861), (24, 3936), (28, 4002), (29, 4017), (30, 4065), (31, 4098), (33, 4122), (36, 4185), (37, 4188), (38, 4242), (41, 4299), (43, 4341), (45, 4383), (46, 4434), (50, 4524), (59, 4641), (62, 4683), (67, 4716), (73, 4791), (80, 4854), (84, 4923), (87, 4944), (88, 5049), (89, 5067), (90, 5082),

Gene: Pajaza_4 Start: 3322, Stop: 4506, Start Num: 3

Candidate Starts for Pajaza_4:

(Start: 3 @3322 has 8 MA's), (13, 3466), (16, 3493), (24, 3562), (28, 3628), (33, 3745), (35, 3805), (42, 3922), (49, 4141), (55, 4216), (56, 4228), (57, 4252), (62, 4312), (65, 4330), (66, 4333), (69, 4387), (70, 4390), (72, 4405), (74, 4423), (75, 4435), (78, 4462), (79, 4465),

Gene: Pikmin_4 Start: 3322, Stop: 4506, Start Num: 3

Candidate Starts for Pikmin_4:

(Start: 3 @3322 has 8 MA's), (13, 3466), (16, 3493), (24, 3562), (28, 3628), (33, 3745), (35, 3805), (42, 3922), (49, 4141), (55, 4216), (56, 4228), (57, 4252), (62, 4312), (65, 4330), (66, 4333), (69, 4387), (70, 4390), (72, 4405), (74, 4423), (75, 4435), (78, 4462), (79, 4465),

Gene: Schimmels22_6 Start: 3856, Stop: 5136, Start Num: 3

Candidate Starts for Schimmels22_6:

(Start: 3 @3856 has 8 MA's), (4, 3880), (7, 3925), (8, 3946), (10, 3964), (11, 3973), (18, 4045), (19, 4054), (20, 4072), (22, 4081), (23, 4084), (24, 4096), (25, 4111), (32, 4279), (34, 4285), (36, 4345), (37, 4348), (39, 4417), (40, 4456), (41, 4459), (44, 4528), (51, 4702), (53, 4717), (58, 4801), (60, 4804), (63, 4849), (64, 4858), (76, 4975), (77, 4987),