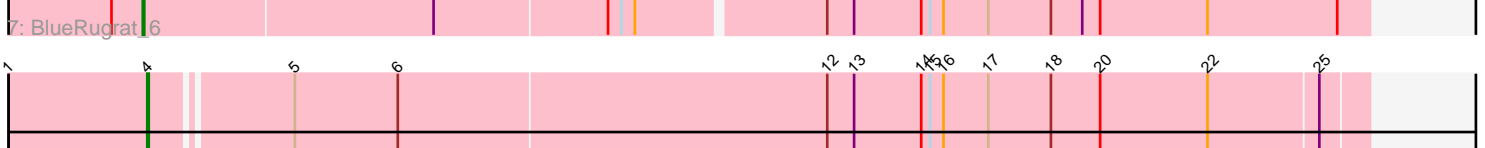
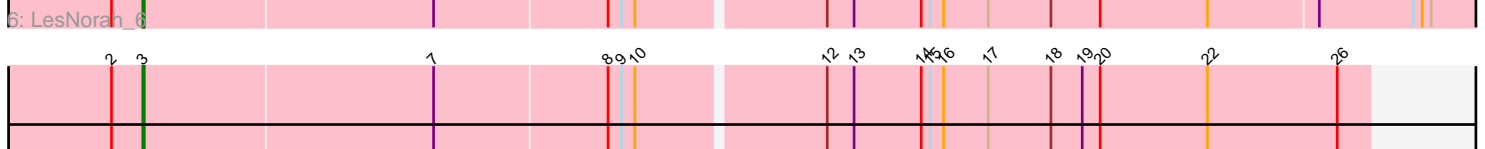
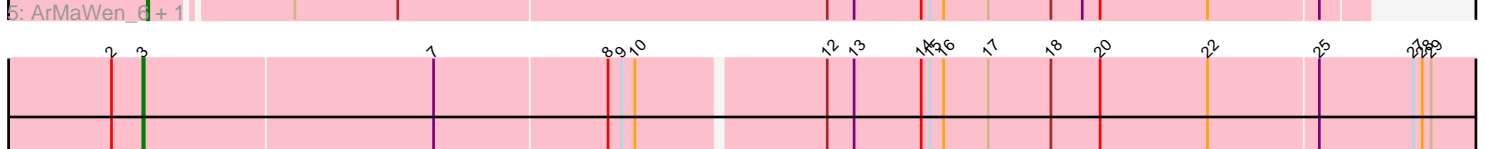
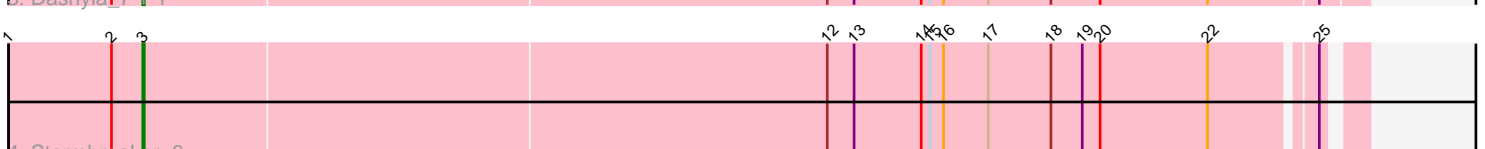
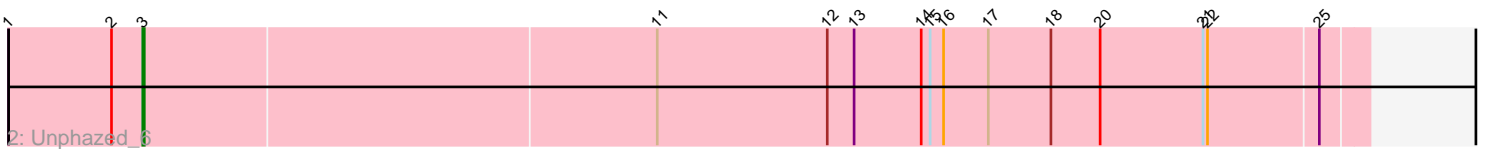


Pham 158295



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 158295 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158295 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Xitlalli_6
- Track 2 : Unphazed_6
- Track 3 : Dashyla_7, Phogo_6
- Track 4 : Stormbreaker_6
- Track 5 : ArMaWen_6, Alex44_6
- Track 6 : LesNorah_6
- Track 7 : BlueRugrat_6
- Track 8 : DumpQuist_6
- Track 9 : LilyLou_6
- Track 10 : Birdfeeder_6
- Track 11 : Corn21_6

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 9 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Birdfeeder_6, BlueRugrat_6, Corn21_6, Dashyla_7, LesNorah_6, LilyLou_6, Phogo_6, Stormbreaker_6, Unphazed_6, Xitlalli_6,

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

-

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

- Alex44_6, ArMaWen_6, DumpQuist_6,

Summary by start number:

Start 3:

- Found in 10 of 13 (76.9%) of genes in pham
- Manual Annotations of this start: 9 of 12
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Birdfeeder_6 (EK1), BlueRugrat_6 (EK1), Corn21_6 (EK1), Dashyla_7 (EK1), LesNorah_6 (EK1), LilyLou_6 (EK1), Phogo_6 (EK1), Stormbreaker_6 (EK1), Unphazed_6 (EK1), Xitlalli_6 (EK1),

Start 4:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 3 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alex44_6 (EK1), ArMaWen_6 (EK1), DumpQuist_6 (EK1),

Summary by clusters:

There is one cluster represented in this pham: EK1

Info for manual annotations of cluster EK1:

- Start number 3 was manually annotated 9 times for cluster EK1.
- Start number 4 was manually annotated 3 times for cluster EK1.

Gene Information:

Gene: Alex44_6 Start: 5200, Stop: 4403, Start Num: 4

Candidate Starts for Alex44_6:

(1, 5293), (Start: 4 @5200 has 3 MA's), (5, 5113), (6, 5044), (12, 4759), (13, 4741), (14, 4696), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (19, 4588), (20, 4576), (22, 4504), (25, 4432),

Gene: ArMaWen_6 Start: 5197, Stop: 4400, Start Num: 4

Candidate Starts for ArMaWen_6:

(1, 5290), (Start: 4 @5197 has 3 MA's), (5, 5110), (6, 5041), (12, 4756), (13, 4738), (14, 4693), (15, 4687), (16, 4678), (17, 4648), (18, 4606), (19, 4585), (20, 4573), (22, 4501), (25, 4429),

Gene: Birdfeeder_6 Start: 5212, Stop: 4403, Start Num: 3

Candidate Starts for Birdfeeder_6:

(1, 5302), (2, 5233), (Start: 3 @5212 has 9 MA's), (12, 4759), (13, 4741), (14, 4696), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (20, 4576), (22, 4504), (25, 4432),

Gene: BlueRugrat_6 Start: 5209, Stop: 4403, Start Num: 3

Candidate Starts for BlueRugrat_6:

(2, 5230), (Start: 3 @5209 has 9 MA's), (7, 5017), (8, 4903), (9, 4894), (10, 4885), (12, 4765), (13, 4747), (14, 4702), (15, 4696), (16, 4687), (17, 4657), (18, 4615), (19, 4594), (20, 4582), (22, 4510), (26, 4423),

Gene: Corn21_6 Start: 5228, Stop: 4425, Start Num: 3

Candidate Starts for Corn21_6:

(2, 5249), (Start: 3 @5228 has 9 MA's), (7, 5036), (8, 4919), (9, 4910), (10, 4901), (12, 4781), (13, 4763), (14, 4718), (15, 4712), (16, 4703), (17, 4673), (18, 4631), (19, 4610), (20, 4598), (21, 4529), (22, 4526), (24, 4481), (25, 4454),

Gene: Dashyla_7 Start: 5209, Stop: 4400, Start Num: 3

Candidate Starts for Dashyla_7:

(2, 5230), (Start: 3 @5209 has 9 MA's), (12, 4756), (13, 4738), (14, 4693), (15, 4687), (16, 4678), (17, 4648), (18, 4606), (20, 4573), (22, 4501), (25, 4429),

Gene: DumpQuist_6 Start: 5200, Stop: 4403, Start Num: 4

Candidate Starts for DumpQuist_6:

(1, 5293), (Start: 4 @5200 has 3 MA's), (5, 5113), (6, 5044), (12, 4759), (13, 4741), (14, 4696), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (20, 4576), (22, 4504), (25, 4432),

Gene: LesNorah_6 Start: 5284, Stop: 4403, Start Num: 3

Candidate Starts for LesNorah_6:

(2, 5305), (Start: 3 @5284 has 9 MA's), (7, 5092), (8, 4978), (9, 4969), (10, 4960), (12, 4840), (13, 4822), (14, 4777), (15, 4771), (16, 4762), (17, 4732), (18, 4690), (20, 4657), (22, 4585), (25, 4513), (27, 4450), (28, 4444), (29, 4438),

Gene: LilyLou_6 Start: 5212, Stop: 4403, Start Num: 3

Candidate Starts for LilyLou_6:

(2, 5233), (Start: 3 @5212 has 9 MA's), (12, 4759), (13, 4741), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (19, 4588), (20, 4576), (22, 4504), (25, 4432),

Gene: Phogo_6 Start: 5212, Stop: 4403, Start Num: 3

Candidate Starts for Phogo_6:

(2, 5233), (Start: 3 @5212 has 9 MA's), (12, 4759), (13, 4741), (14, 4696), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (20, 4576), (22, 4504), (25, 4432),

Gene: Stormbreaker_6 Start: 5194, Stop: 4403, Start Num: 3

Candidate Starts for Stormbreaker_6:

(1, 5284), (2, 5215), (Start: 3 @5194 has 9 MA's), (12, 4741), (13, 4723), (14, 4678), (15, 4672), (16, 4663), (17, 4633), (18, 4591), (19, 4570), (20, 4558), (22, 4486), (25, 4423),

Gene: Unphazed_6 Start: 5212, Stop: 4403, Start Num: 3

Candidate Starts for Unphazed_6:

(1, 5302), (2, 5233), (Start: 3 @5212 has 9 MA's), (11, 4873), (12, 4759), (13, 4741), (14, 4696), (15, 4690), (16, 4681), (17, 4651), (18, 4609), (20, 4576), (21, 4507), (22, 4504), (25, 4432),

Gene: Xitlalli_6 Start: 5200, Stop: 4403, Start Num: 3

Candidate Starts for Xitlalli_6:

(2, 5221), (Start: 3 @5200 has 9 MA's), (5, 5113), (8, 4903), (9, 4894), (10, 4885), (12, 4765), (13, 4747), (14, 4702), (15, 4696), (16, 4687), (17, 4657), (18, 4615), (19, 4594), (20, 4582), (23, 4498), (26, 4423),