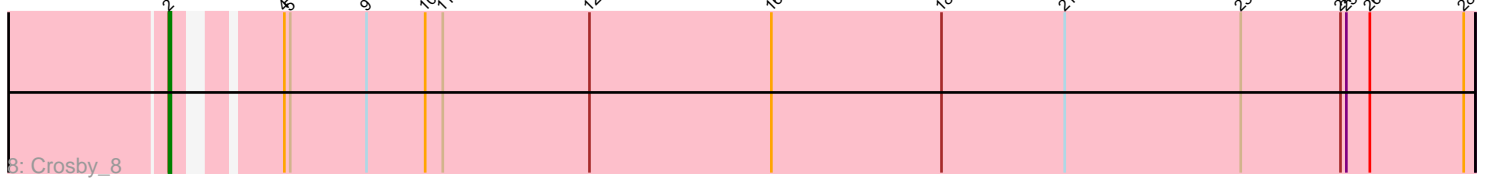
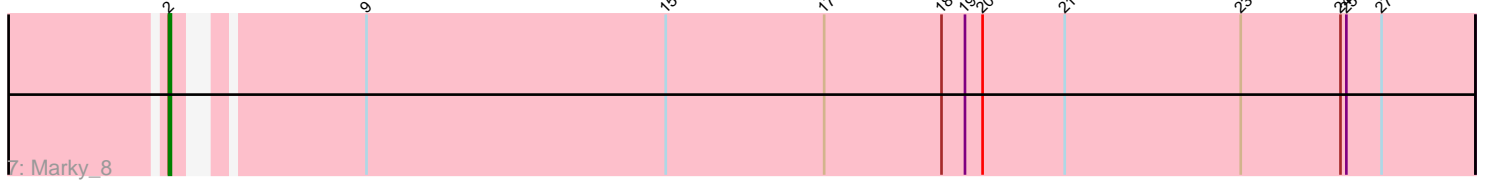
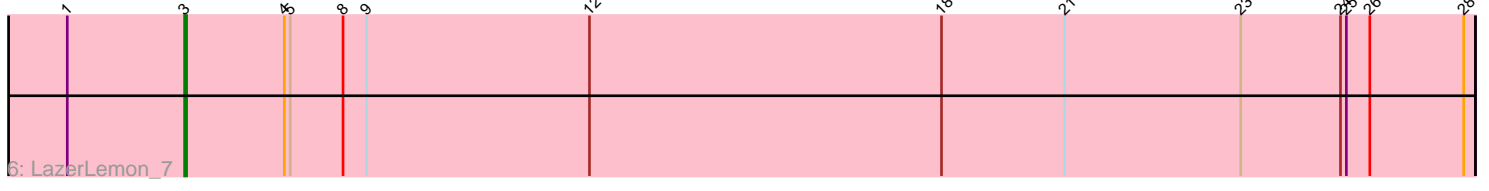
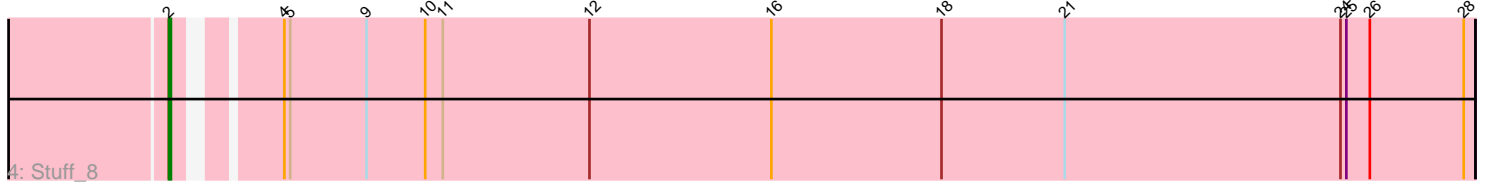
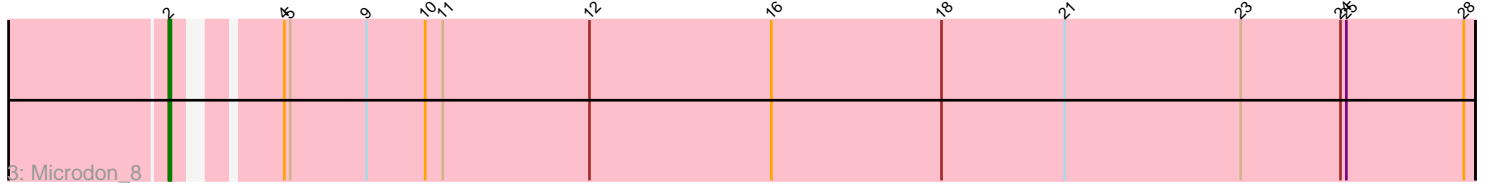
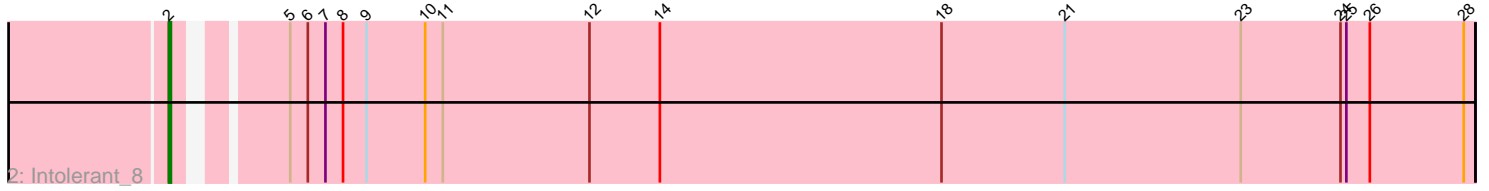
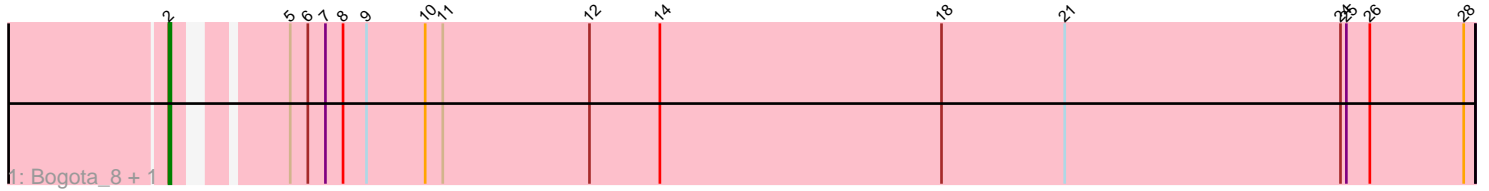


Pham 5745



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 5745 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5745 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Bogota_8, UNTPL_8
- Track 2 : Intolerant_8
- Track 3 : Microdon_8
- Track 4 : Stuff_8
- Track 5 : Henoccus_8, JackieB_7, Araceli_8
- Track 6 : LazerLemon_7
- Track 7 : Marky_8
- Track 8 : Crosby_8

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

The start number called the most often in the published annotations is 2, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_8, Bogota_8, Crosby_8, Henoccus_8, Intolerant_8, JackieB_7, Marky_8, Microdon_8, Stuff_8, UNTPL_8,

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

-

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

- LazerLemon_7,

Summary by start number:

Start 2:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli_8 (BH), Bogota_8 (BH), Crosby_8 (BH), Henoccus_8 (BH), Intolerant_8 (BH), JackieB_7 (BH), Marky_8 (BH), Microdon_8 (BH), Stuff_8 (BH), UNTPL_8 (BH),

Start 3:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LazerLemon_7 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 2 was manually annotated 10 times for cluster BH.
- Start number 3 was manually annotated 1 time for cluster BH.

Gene Information:

Gene: Araceli_8 Start: 4171, Stop: 4824, Start Num: 2

Candidate Starts for Araceli_8:

(Start: 2 @4171 has 10 MA's), (5, 4219), (6, 4228), (7, 4237), (8, 4246), (9, 4258), (12, 4372), (13, 4396), (18, 4552), (21, 4615), (22, 4684), (23, 4705), (24, 4756), (25, 4759), (28, 4819),

Gene: Bogota_8 Start: 4202, Stop: 4852, Start Num: 2

Candidate Starts for Bogota_8:

(Start: 2 @4202 has 10 MA's), (5, 4247), (6, 4256), (7, 4265), (8, 4274), (9, 4286), (10, 4316), (11, 4325), (12, 4400), (14, 4436), (18, 4580), (21, 4643), (24, 4784), (25, 4787), (26, 4799), (28, 4847),

Gene: Crosby_8 Start: 4196, Stop: 4846, Start Num: 2

Candidate Starts for Crosby_8:

(Start: 2 @4196 has 10 MA's), (4, 4238), (5, 4241), (9, 4280), (10, 4310), (11, 4319), (12, 4394), (16, 4487), (18, 4574), (21, 4637), (23, 4727), (24, 4778), (25, 4781), (26, 4793), (28, 4841),

Gene: Henoccus_8 Start: 4171, Stop: 4824, Start Num: 2

Candidate Starts for Henoccus_8:

(Start: 2 @4171 has 10 MA's), (5, 4219), (6, 4228), (7, 4237), (8, 4246), (9, 4258), (12, 4372), (13, 4396), (18, 4552), (21, 4615), (22, 4684), (23, 4705), (24, 4756), (25, 4759), (28, 4819),

Gene: Intolerant_8 Start: 4196, Stop: 4846, Start Num: 2

Candidate Starts for Intolerant_8:

(Start: 2 @4196 has 10 MA's), (5, 4241), (6, 4250), (7, 4259), (8, 4268), (9, 4280), (10, 4310), (11, 4319), (12, 4394), (14, 4430), (18, 4574), (21, 4637), (23, 4727), (24, 4778), (25, 4781), (26, 4793), (28, 4841),

Gene: JackieB_7 Start: 4047, Stop: 4700, Start Num: 2

Candidate Starts for JackieB_7:

(Start: 2 @4047 has 10 MA's), (5, 4095), (6, 4104), (7, 4113), (8, 4122), (9, 4134), (12, 4248), (13, 4272), (18, 4428), (21, 4491), (22, 4560), (23, 4581), (24, 4632), (25, 4635), (28, 4695),

Gene: LazerLemon_7 Start: 4068, Stop: 4727, Start Num: 3

Candidate Starts for LazerLemon_7:

(1, 4008), (Start: 3 @4068 has 1 MA's), (4, 4119), (5, 4122), (8, 4149), (9, 4161), (12, 4275), (18, 4455), (21, 4518), (23, 4608), (24, 4659), (25, 4662), (26, 4674), (28, 4722),

Gene: Marky_8 Start: 4103, Stop: 4750, Start Num: 2

Candidate Starts for Marky_8:

(Start: 2 @4103 has 10 MA's), (9, 4184), (15, 4337), (17, 4418), (18, 4478), (19, 4490), (20, 4499), (21, 4541), (23, 4631), (24, 4682), (25, 4685), (27, 4703),

Gene: Microdon_8 Start: 4205, Stop: 4855, Start Num: 2

Candidate Starts for Microdon_8:

(Start: 2 @4205 has 10 MA's), (4, 4247), (5, 4250), (9, 4289), (10, 4319), (11, 4328), (12, 4403), (16, 4496), (18, 4583), (21, 4646), (23, 4736), (24, 4787), (25, 4790), (28, 4850),

Gene: Stuff_8 Start: 4199, Stop: 4849, Start Num: 2

Candidate Starts for Stuff_8:

(Start: 2 @4199 has 10 MA's), (4, 4241), (5, 4244), (9, 4283), (10, 4313), (11, 4322), (12, 4397), (16, 4490), (18, 4577), (21, 4640), (24, 4781), (25, 4784), (26, 4796), (28, 4844),

Gene: UNTPL_8 Start: 4202, Stop: 4852, Start Num: 2

Candidate Starts for UNTPL_8:

(Start: 2 @4202 has 10 MA's), (5, 4247), (6, 4256), (7, 4265), (8, 4274), (9, 4286), (10, 4316), (11, 4325), (12, 4400), (14, 4436), (18, 4580), (21, 4643), (24, 4784), (25, 4787), (26, 4799), (28, 4847),