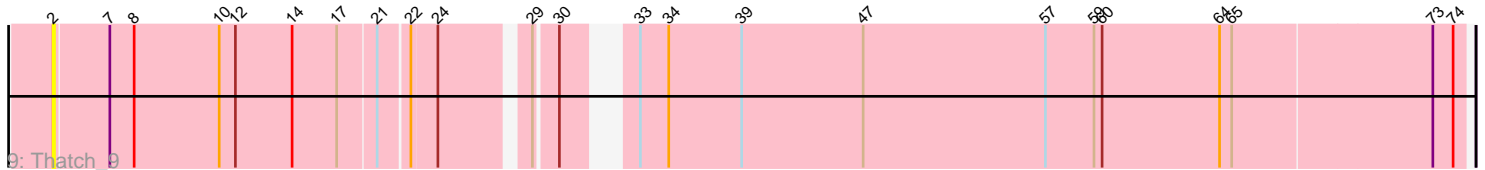
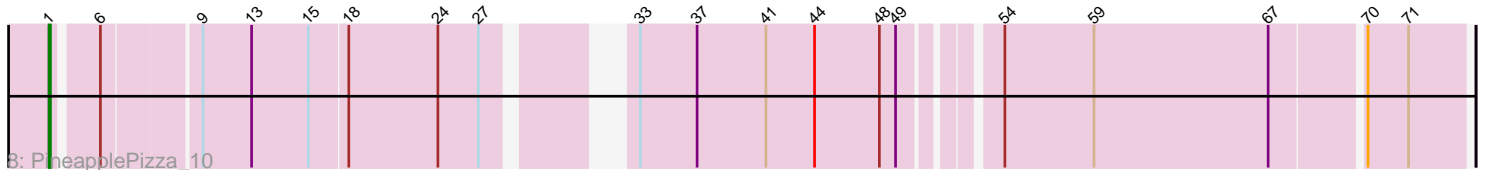
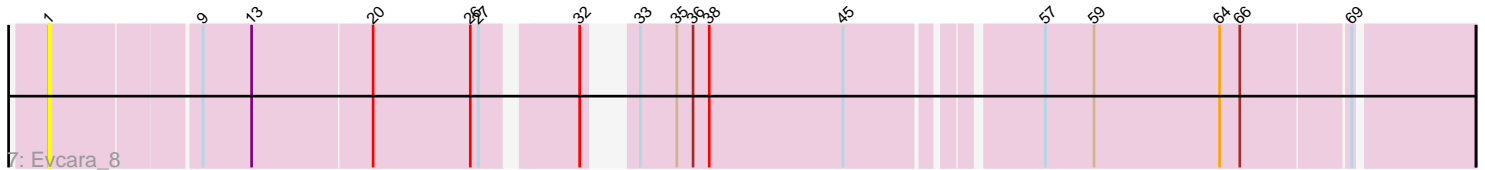
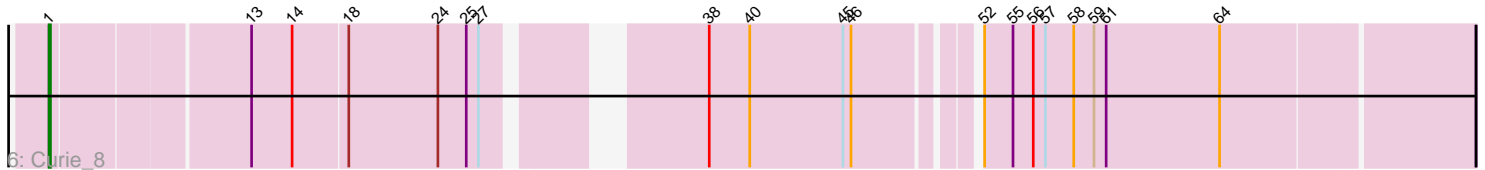
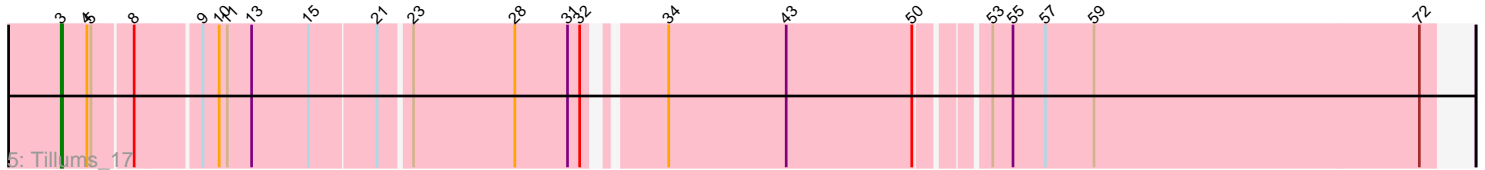
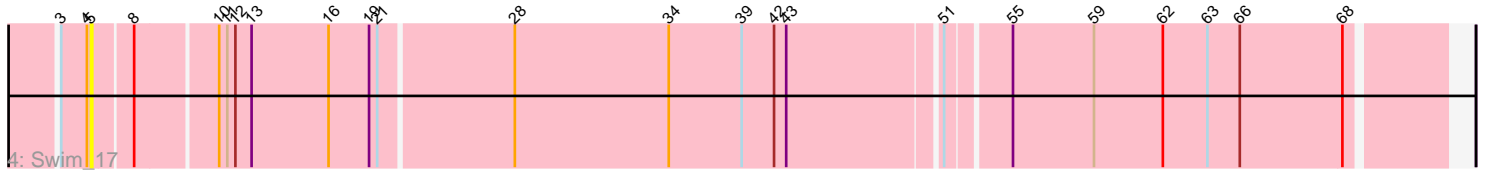
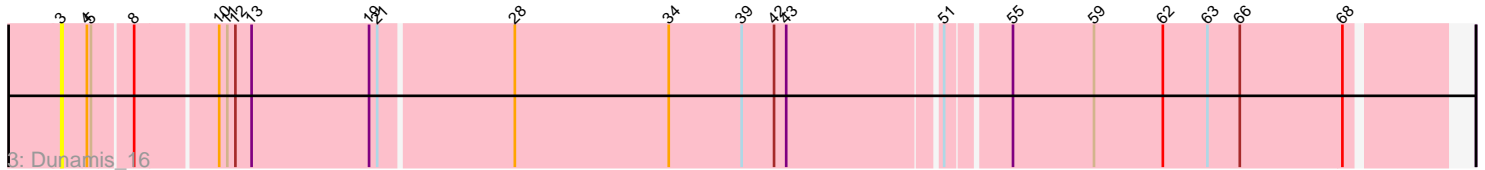
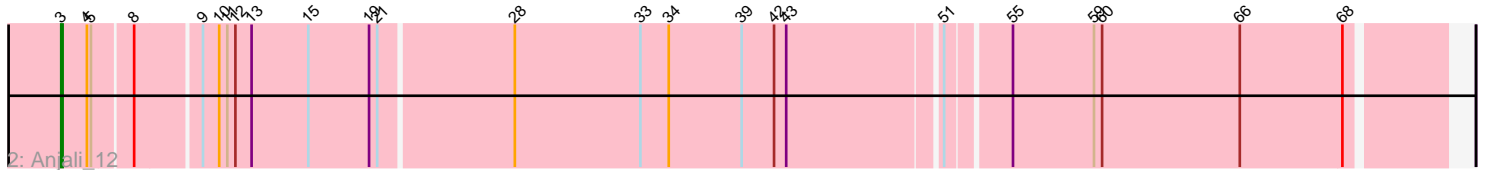
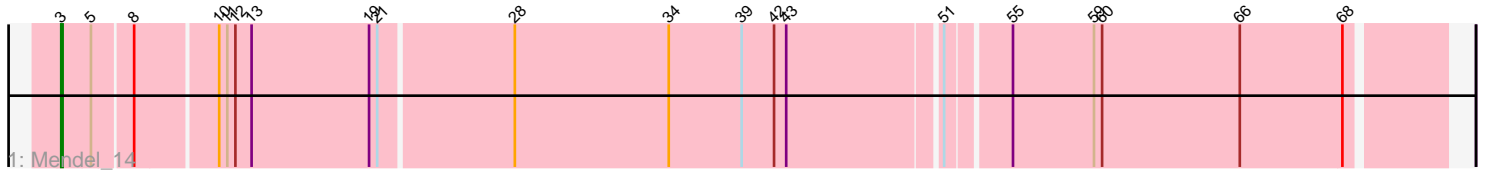


Pham 10792



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 10792 Report

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

Pham number 10792 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Mendel_14
- Track 2 : Anjali_12
- Track 3 : Dunamis_16
- Track 4 : Swim_17
- Track 5 : Tillums_17
- Track 6 : Curie_8
- Track 7 : Evcara_8
- Track 8 : PineapplePizza_10
- Track 9 : Thatch_9

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 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anjali_12, Dunamis_16, Mendel_14, Tillums_17,

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

- Swim_17,

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

- Curie_8, Evcara_8, PineapplePizza_10, Thatch_9,

Summary by start number:

Start 1:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Curie_8 (GI), Evcara_8 (GI), PineapplePizza_10 (GI),

Start 2:

- Found in 1 of 9 (11.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Thatch_9 (UNK),

Start 3:

- Found in 5 of 9 (55.6%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Anjali_12 (FD), Dunamis_16 (FD), Mendel_14 (FD), Tillums_17 (FD),

Start 5:

- Found in 5 of 9 (55.6%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Swim_17 (FD),

Summary by clusters:

There are 3 clusters represented in this pham: UNK, FD, GI,

Info for manual annotations of cluster FD:

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

Info for manual annotations of cluster GI:

- Start number 1 was manually annotated 2 times for cluster GI.

Gene Information:

Gene: Anjali_12 Start: 9824, Stop: 10804, Start Num: 3

Candidate Starts for Anjali_12:

(Start: 3 @9824 has 3 MA's), (4, 9842), (5, 9845), (8, 9872), (9, 9917), (10, 9929), (11, 9935), (12, 9941), (13, 9953), (15, 9995), (19, 10040), (21, 10046), (28, 10142), (33, 10235), (34, 10256), (39, 10310), (42, 10334), (43, 10343), (51, 10451), (55, 10493), (59, 10553), (60, 10559), (66, 10661), (68, 10736),

Gene: Curie_8 Start: 8049, Stop: 9008, Start Num: 1

Candidate Starts for Curie_8:

(Start: 1 @8049 has 2 MA's), (13, 8184), (14, 8214), (18, 8253), (24, 8319), (25, 8340), (27, 8349), (38, 8475), (40, 8505), (45, 8574), (46, 8580), (52, 8655), (55, 8676), (56, 8691), (57, 8700), (58, 8721), (59, 8736), (61, 8745), (64, 8829),

Gene: Dunamis_16 Start: 9940, Stop: 10920, Start Num: 3

Candidate Starts for Dunamis_16:

(Start: 3 @9940 has 3 MA's), (4, 9958), (5, 9961), (8, 9988), (10, 10045), (11, 10051), (12, 10057), (13, 10069), (19, 10156), (21, 10162), (28, 10258), (34, 10372), (39, 10426), (42, 10450), (43, 10459), (51, 10567), (55, 10609), (59, 10669), (62, 10720), (63, 10753), (66, 10777), (68, 10852),

Gene: Evcara_8 Start: 7980, Stop: 8936, Start Num: 1

Candidate Starts for Evcara_8:

(Start: 1 @7980 has 2 MA's), (9, 8082), (13, 8118), (20, 8205), (26, 8277), (27, 8283), (32, 8343), (33, 8358), (35, 8385), (36, 8397), (38, 8409), (45, 8508), (57, 8634), (59, 8670), (64, 8763), (66, 8778), (69, 8853),

Gene: Mendel_14 Start: 9822, Stop: 10802, Start Num: 3

Candidate Starts for Mendel_14:

(Start: 3 @9822 has 3 MA's), (5, 9843), (8, 9870), (10, 9927), (11, 9933), (12, 9939), (13, 9951), (19, 10038), (21, 10044), (28, 10140), (34, 10254), (39, 10308), (42, 10332), (43, 10341), (51, 10449), (55, 10491), (59, 10551), (60, 10557), (66, 10659), (68, 10734),

Gene: PineapplePizza_10 Start: 8715, Stop: 9659, Start Num: 1

Candidate Starts for PineapplePizza_10:

(Start: 1 @8715 has 2 MA's), (6, 8742), (9, 8808), (13, 8844), (15, 8886), (18, 8913), (24, 8979), (27, 9009), (33, 9084), (37, 9126), (41, 9177), (44, 9213), (48, 9261), (49, 9273), (54, 9330), (59, 9396), (67, 9525), (70, 9588), (71, 9618),

Gene: Swim_17 Start: 10247, Stop: 11206, Start Num: 5

Candidate Starts for Swim_17:

(Start: 3 @10226 has 3 MA's), (4, 10244), (5, 10247), (8, 10274), (10, 10331), (11, 10337), (12, 10343), (13, 10355), (16, 10412), (19, 10442), (21, 10448), (28, 10544), (34, 10658), (39, 10712), (42, 10736), (43, 10745), (51, 10853), (55, 10895), (59, 10955), (62, 11006), (63, 11039), (66, 11063), (68, 11138),

Gene: Thatch_9 Start: 8601, Stop: 9584, Start Num: 2

Candidate Starts for Thatch_9:

(2, 8601), (7, 8640), (8, 8658), (10, 8721), (12, 8733), (14, 8775), (17, 8808), (21, 8835), (22, 8856), (24, 8874), (29, 8931), (30, 8946), (33, 8979), (34, 9000), (39, 9054), (47, 9144), (57, 9279), (59, 9315), (60, 9321), (64, 9408), (65, 9417), (73, 9561), (74, 9576),

Gene: Tillums_17 Start: 10393, Stop: 11349, Start Num: 3

Candidate Starts for Tillums_17:

(Start: 3 @10393 has 3 MA's), (4, 10411), (5, 10414), (8, 10441), (9, 10486), (10, 10498), (11, 10504), (13, 10522), (15, 10564), (21, 10612), (23, 10633), (28, 10708), (31, 10747), (32, 10756), (34, 10801), (43, 10888), (50, 10981), (53, 11023), (55, 11038), (57, 11062), (59, 11098), (72, 11338),