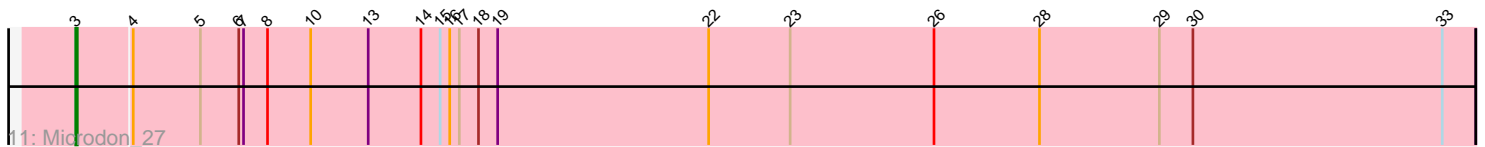
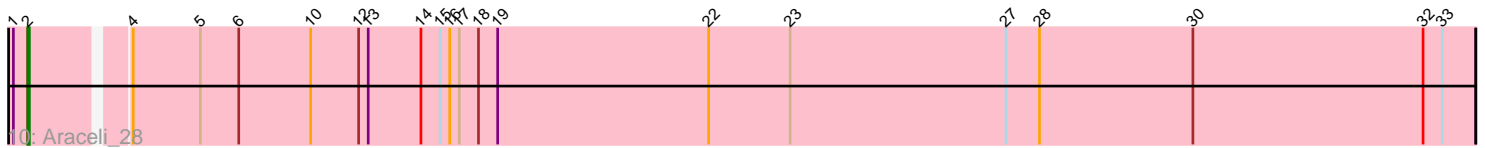
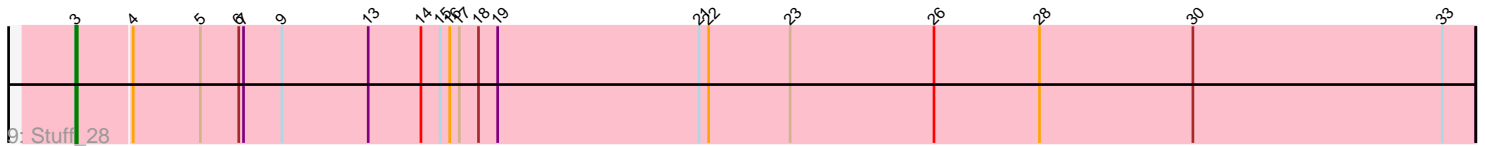
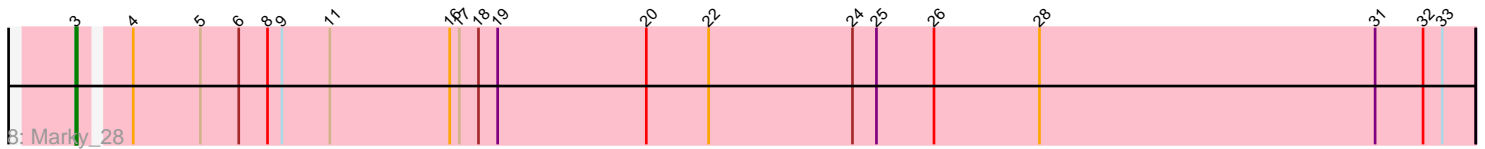
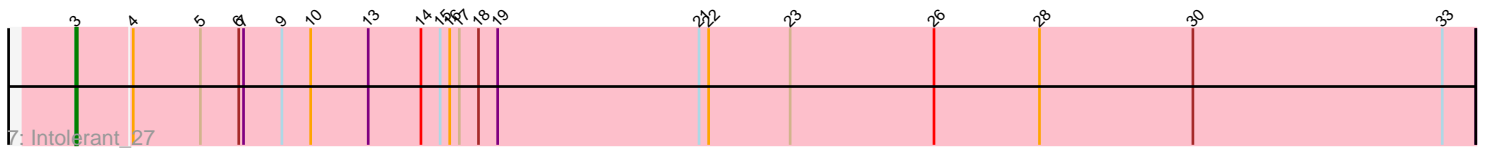
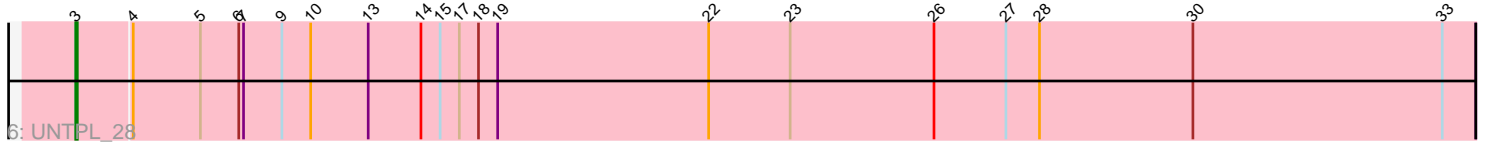
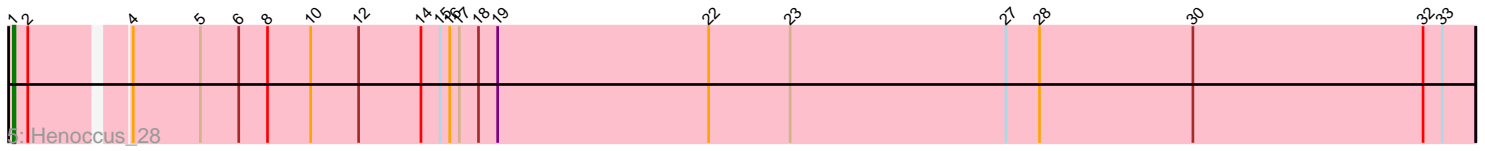
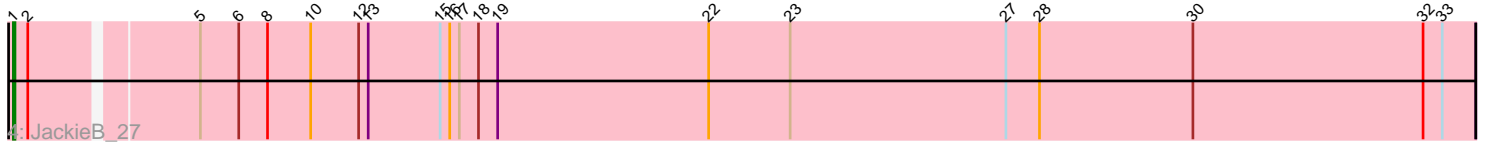
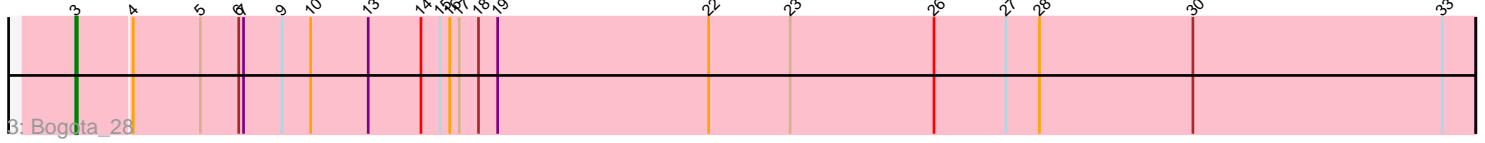
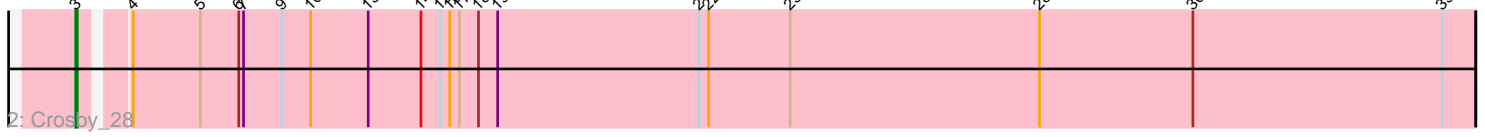
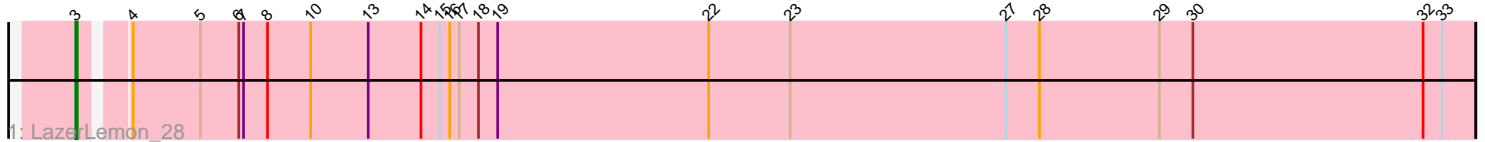


Pham 5567



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 5567 Report

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

Pham number 5567 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : LazerLemon_28
- Track 2 : Crosby_28
- Track 3 : Bogota_28
- Track 4 : JackieB_27
- Track 5 : Henoccus_28
- Track 6 : UNTPL_28
- Track 7 : Intolerant_27
- Track 8 : Marky_28
- Track 9 : Stuff_28
- Track 10 : Araceli_28
- Track 11 : Microdon_27

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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bogota_28, Crosby_28, Intolerant_27, LazerLemon_28, Marky_28, Microdon_27, Stuff_28, UNTPL_28,

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

-

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

- Araceli_28, Henoccus_28, JackieB_27,

Summary by start number:

Start 1:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Henoccus_28 (BH), JackieB_27 (BH),

Start 2:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Araceli_28 (BH),

Start 3:

- Found in 8 of 11 (72.7%) of genes in pham
- Manual Annotations of this start: 8 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bogota_28 (BH), Crosby_28 (BH), Intolerant_27 (BH), LazerLemon_28 (BH), Marky_28 (BH), Microdon_27 (BH), Stuff_28 (BH), UNTPL_28 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 1 was manually annotated 2 times for cluster BH.
- Start number 2 was manually annotated 1 time for cluster BH.
- Start number 3 was manually annotated 8 times for cluster BH.

Gene Information:

Gene: Araceli_28 Start: 23372, Stop: 24265, Start Num: 2

Candidate Starts for Araceli_28:

(Start: 1 @23363 has 2 MA's), (Start: 2 @23372 has 1 MA's), (4, 23426), (5, 23468), (6, 23492), (10, 23537), (12, 23567), (13, 23573), (14, 23606), (15, 23618), (16, 23624), (17, 23630), (18, 23642), (19, 23654), (22, 23786), (23, 23837), (27, 23972), (28, 23993), (30, 24089), (32, 24233), (33, 24245),

Gene: Bogota_28 Start: 23513, Stop: 24385, Start Num: 3

Candidate Starts for Bogota_28:

(Start: 3 @23513 has 8 MA's), (4, 23546), (5, 23588), (6, 23612), (7, 23615), (9, 23639), (10, 23657), (13, 23693), (14, 23726), (15, 23738), (16, 23744), (17, 23750), (18, 23762), (19, 23774), (22, 23906), (23, 23957), (26, 24047), (27, 24092), (28, 24113), (30, 24209), (33, 24365),

Gene: Crosby_28 Start: 23511, Stop: 24374, Start Num: 3

Candidate Starts for Crosby_28:

(Start: 3 @23511 has 8 MA's), (4, 23535), (5, 23577), (6, 23601), (7, 23604), (9, 23628), (10, 23646), (13, 23682), (14, 23715), (15, 23727), (16, 23733), (17, 23739), (18, 23751), (19, 23763), (21, 23889), (22, 23895), (23, 23946), (28, 24102), (30, 24198), (33, 24354),

Gene: Henoccus_28 Start: 23373, Stop: 24275, Start Num: 1

Candidate Starts for Henoccus_28:

(Start: 1 @23373 has 2 MA's), (Start: 2 @23382 has 1 MA's), (4, 23436), (5, 23478), (6, 23502), (8, 23520), (10, 23547), (12, 23577), (14, 23616), (15, 23628), (16, 23634), (17, 23640), (18, 23652), (19, 23664), (22, 23796), (23, 23847), (27, 23982), (28, 24003), (30, 24099), (32, 24243), (33, 24255),

Gene: Intolerant_27 Start: 23379, Stop: 24251, Start Num: 3

Candidate Starts for Intolerant_27:

(Start: 3 @23379 has 8 MA's), (4, 23412), (5, 23454), (6, 23478), (7, 23481), (9, 23505), (10, 23523), (13, 23559), (14, 23592), (15, 23604), (16, 23610), (17, 23616), (18, 23628), (19, 23640), (21, 23766), (22, 23772), (23, 23823), (26, 23913), (28, 23979), (30, 24075), (33, 24231),

Gene: JackieB_27 Start: 23228, Stop: 24130, Start Num: 1

Candidate Starts for JackieB_27:

(Start: 1 @23228 has 2 MA's), (Start: 2 @23237 has 1 MA's), (5, 23333), (6, 23357), (8, 23375), (10, 23402), (12, 23432), (13, 23438), (15, 23483), (16, 23489), (17, 23495), (18, 23507), (19, 23519), (22, 23651), (23, 23702), (27, 23837), (28, 23858), (30, 23954), (32, 24098), (33, 24110),

Gene: LazerLemon_28 Start: 23895, Stop: 24758, Start Num: 3

Candidate Starts for LazerLemon_28:

(Start: 3 @23895 has 8 MA's), (4, 23919), (5, 23961), (6, 23985), (7, 23988), (8, 24003), (10, 24030), (13, 24066), (14, 24099), (15, 24111), (16, 24117), (17, 24123), (18, 24135), (19, 24147), (22, 24279), (23, 24330), (27, 24465), (28, 24486), (29, 24561), (30, 24582), (32, 24726), (33, 24738),

Gene: Marky_28 Start: 23256, Stop: 24122, Start Num: 3

Candidate Starts for Marky_28:

(Start: 3 @23256 has 8 MA's), (4, 23283), (5, 23325), (6, 23349), (8, 23367), (9, 23376), (11, 23406), (16, 23481), (17, 23487), (18, 23499), (19, 23511), (20, 23604), (22, 23643), (24, 23733), (25, 23748), (26, 23784), (28, 23850), (31, 24060), (32, 24090), (33, 24102),

Gene: Microdon_27 Start: 23205, Stop: 24077, Start Num: 3

Candidate Starts for Microdon_27:

(Start: 3 @23205 has 8 MA's), (4, 23238), (5, 23280), (6, 23304), (7, 23307), (8, 23322), (10, 23349), (13, 23385), (14, 23418), (15, 23430), (16, 23436), (17, 23442), (18, 23454), (19, 23466), (22, 23598), (23, 23649), (26, 23739), (28, 23805), (29, 23880), (30, 23901), (33, 24057),

Gene: Stuff_28 Start: 23674, Stop: 24546, Start Num: 3

Candidate Starts for Stuff_28:

(Start: 3 @23674 has 8 MA's), (4, 23707), (5, 23749), (6, 23773), (7, 23776), (9, 23800), (13, 23854), (14, 23887), (15, 23899), (16, 23905), (17, 23911), (18, 23923), (19, 23935), (21, 24061), (22, 24067), (23, 24118), (26, 24208), (28, 24274), (30, 24370), (33, 24526),

Gene: UNTPL_28 Start: 23494, Stop: 24366, Start Num: 3

Candidate Starts for UNTPL_28:

(Start: 3 @23494 has 8 MA's), (4, 23527), (5, 23569), (6, 23593), (7, 23596), (9, 23620), (10, 23638), (13, 23674), (14, 23707), (15, 23719), (17, 23731), (18, 23743), (19, 23755), (22, 23887), (23, 23938), (26, 24028), (27, 24073), (28, 24094), (30, 24190), (33, 24346),