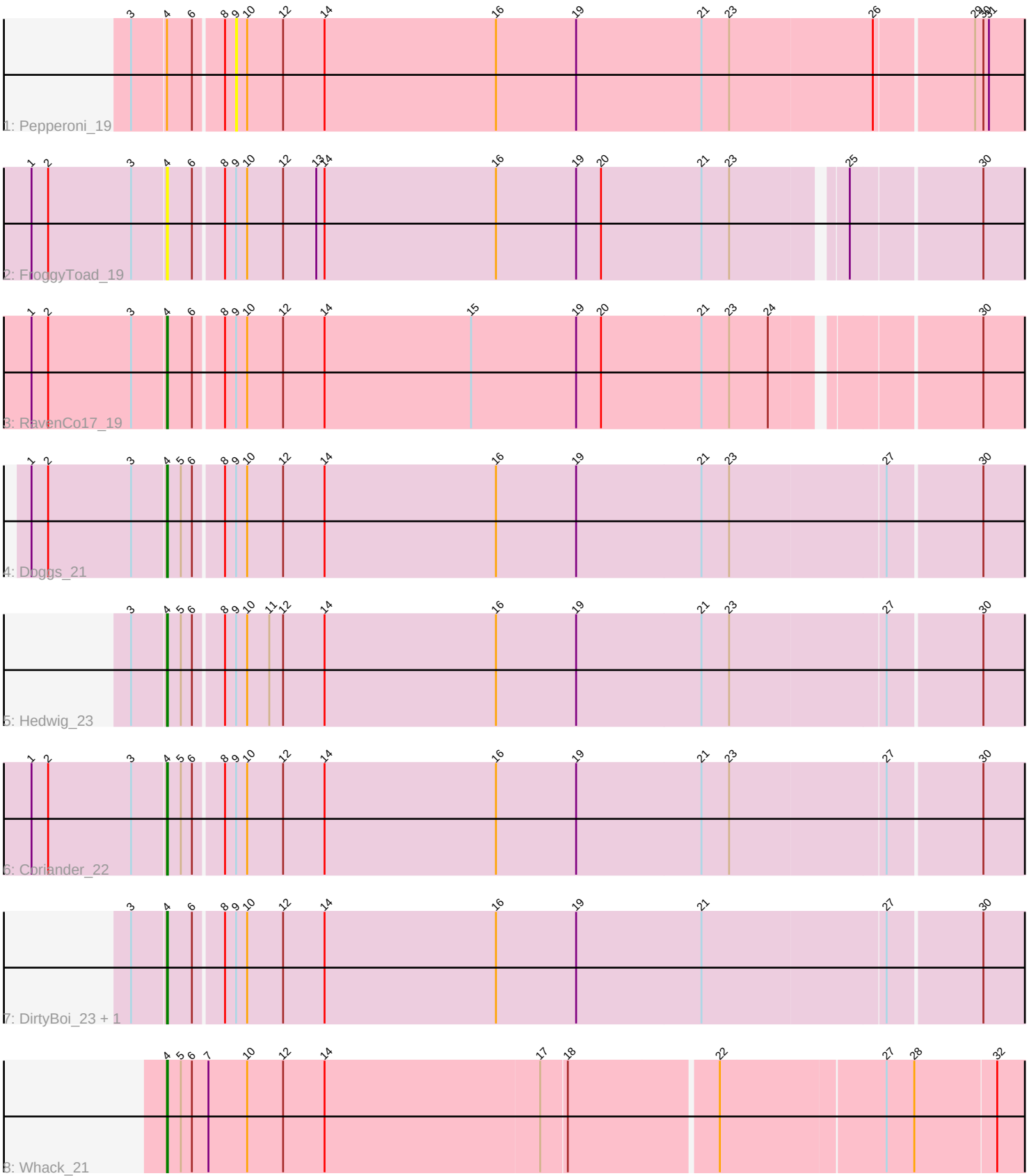
Pham 284440


1: Pepperoni_19
2: FroggyToad_19
3: RavenCo17_19
4: Doggs_21
5: Hedwig_23
6: Coriander_22
7: DirtyBoi_23 + 1
8: Whack_21

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 284440 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284440 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Pepperoni_19
• Track 2 : FroggyToad_19
• Track 3 : RavenCo17_19
• Track 4 : Doggs_21
• Track 5 : Hedwig_23
• Track 6 : Coriander_22
• Track 7 : DirtyBoi_23, RayTheFireFly_22
• Track 8 : Whack_21

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Coriander_22, DirtyBoi_23, Doggs_21, FroggyToad_19, Hedwig_23, RavenCo17_19, RayTheFireFly_22, Whack_21,

Genes that have the "Most Annotated" start but do not call it:
• Pepperoni_19,

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

Summary by start number:

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Coriander_22 (DB), DirtyBoi_23 (DB), Doggs_21 (DB), FroggyToad_19 (CZ2), Hedwig_23 (DB), RavenCo17_19 (CZ8), RayTheFireFly_22 (DB), Whack_21 (singleton),

Start 9:
• Found in 8 of 9 (88.9%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Pepperoni_19 (CZ),

Summary by clusters:

There are 5 clusters represented in this pham: CZ2, CZ, CZ8, DB, singleton,

Info for manual annotations of cluster CZ8:
•Start number 4 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:
•Start number 4 was manually annotated 5 times for cluster DB.

Gene Information:

Gene: Coriander_22 Start: 20422, Stop: 21342, Start Num: 4
Candidate Starts for Coriander_22:
(1, 20278), (2, 20296), (3, 20386), (Start: 4 @20422 has 7 MA's), (5, 20437), (6, 20449), (8, 20479), (9, 20491), (10, 20503), (12, 20542), (14, 20587), (16, 20773), (19, 20860), (21, 20995), (23, 21025), (27, 21190), (30, 21289),

Gene: DirtyBoi_23 Start: 19883, Stop: 20803, Start Num: 4
Candidate Starts for DirtyBoi_23:
(3, 19847), (Start: 4 @19883 has 7 MA's), (6, 19910), (8, 19940), (9, 19952), (10, 19964), (12, 20003), (14, 20048), (16, 20234), (19, 20321), (21, 20456), (27, 20651), (30, 20750),

Gene: Doggs_21 Start: 20121, Stop: 21041, Start Num: 4
Candidate Starts for Doggs_21:
(1, 19977), (2, 19995), (3, 20085), (Start: 4 @20121 has 7 MA's), (5, 20136), (6, 20148), (8, 20178), (9, 20190), (10, 20202), (12, 20241), (14, 20286), (16, 20472), (19, 20559), (21, 20694), (23, 20724), (27, 20889), (30, 20988),

Gene: FroggyToad_19 Start: 17146, Stop: 18084, Start Num: 4
Candidate Starts for FroggyToad_19:
(1, 17002), (2, 17020), (3, 17110), (Start: 4 @17146 has 7 MA's), (6, 17173), (8, 17203), (9, 17215), (10, 17227), (12, 17266), (13, 17302), (14, 17311), (16, 17497), (19, 17584), (20, 17611), (21, 17719), (23, 17749), (25, 17860), (30, 17995),

Gene: Hedwig_23 Start: 19879, Stop: 20799, Start Num: 4
Candidate Starts for Hedwig_23:
(3, 19843), (Start: 4 @19879 has 7 MA's), (5, 19894), (6, 19906), (8, 19936), (9, 19948), (10, 19960), (11, 19984), (12, 19999), (14, 20044), (16, 20230), (19, 20317), (21, 20452), (23, 20482), (27, 20647), (30, 20746),

Gene: Pepperoni_19 Start: 17529, Stop: 18416, Start Num: 9
Candidate Starts for Pepperoni_19:

(3, 17424), (Start: 4 @17460 has 7 MA's), (6, 17487), (8, 17517), (9, 17529), (10, 17541), (12, 17580), (14, 17625), (16, 17811), (19, 17898), (21, 18033), (23, 18063), (26, 18216), (29, 18318), (30, 18327), (31, 18333),

Gene: RavenCo17_19 Start: 17994, Stop: 18929, Start Num: 4
Candidate Starts for RavenCo17_19:
(1, 17850), (2, 17868), (3, 17958), (Start: 4 @17994 has 7 MA's), (6, 18021), (8, 18051), (9, 18063), (10, 18075), (12, 18114), (14, 18159), (15, 18318), (19, 18432), (20, 18459), (21, 18567), (23, 18597), (24, 18639), (30, 18843),

Gene: RayTheFireFly_22 Start: 20454, Stop: 21374, Start Num: 4
Candidate Starts for RayTheFireFly_22:
(3, 20418), (Start: 4 @20454 has 7 MA's), (6, 20481), (8, 20511), (9, 20523), (10, 20535), (12, 20574), (14, 20619), (16, 20805), (19, 20892), (21, 21027), (27, 21222), (30, 21321),

Gene: Whack_21 Start: 19574, Stop: 20518, Start Num: 4
Candidate Starts for Whack_21:
(Start: 4 @19574 has 7 MA's), (5, 19589), (6, 19601), (7, 19619), (10, 19661), (12, 19700), (14, 19745), (17, 19976), (18, 20003), (22, 20159), (27, 20333), (28, 20363), (32, 20450),