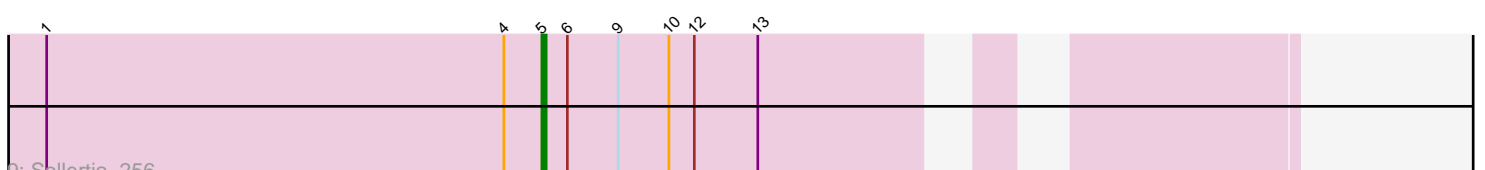
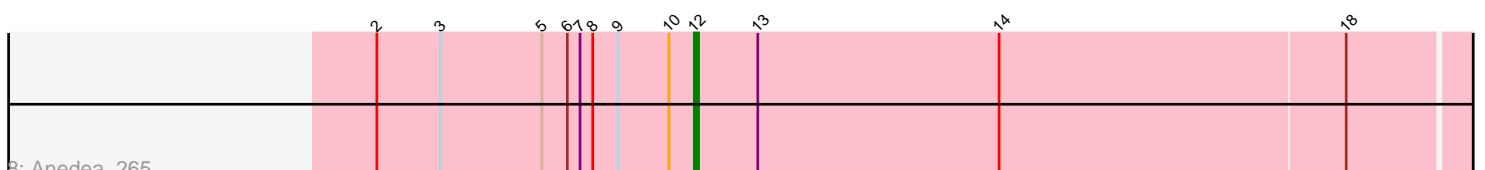
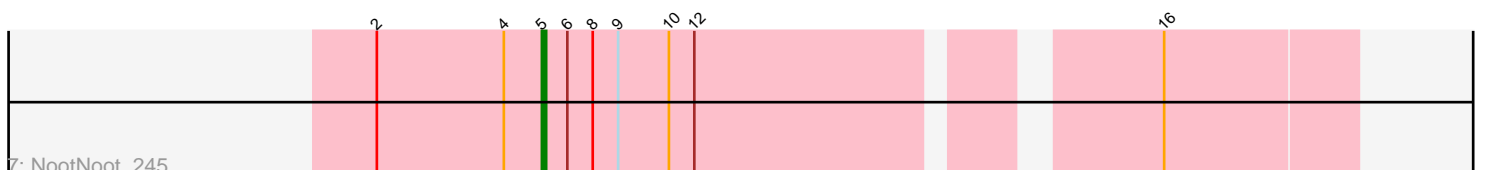
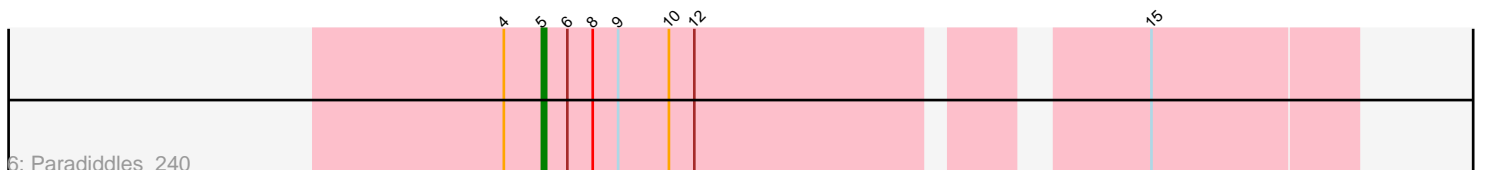
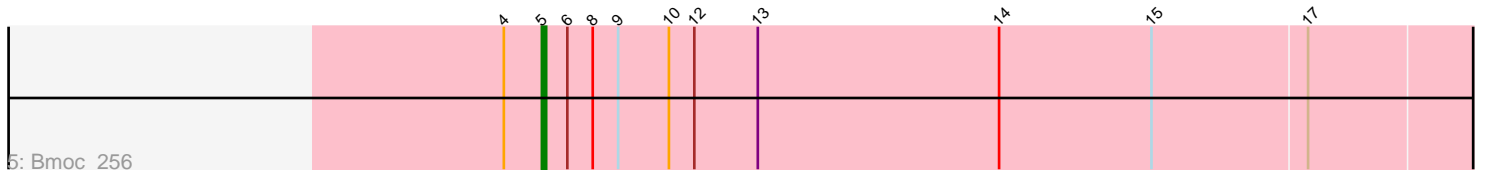
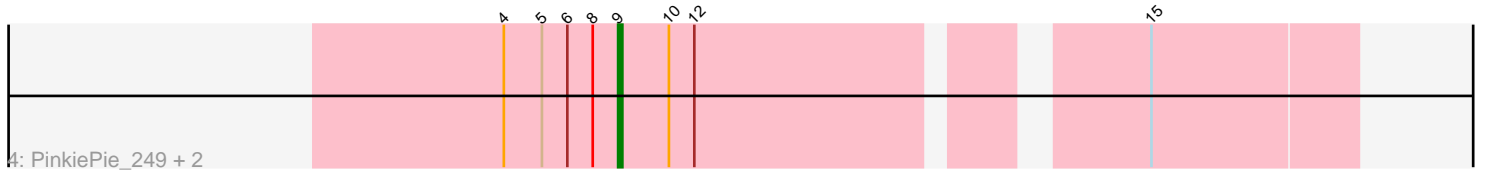
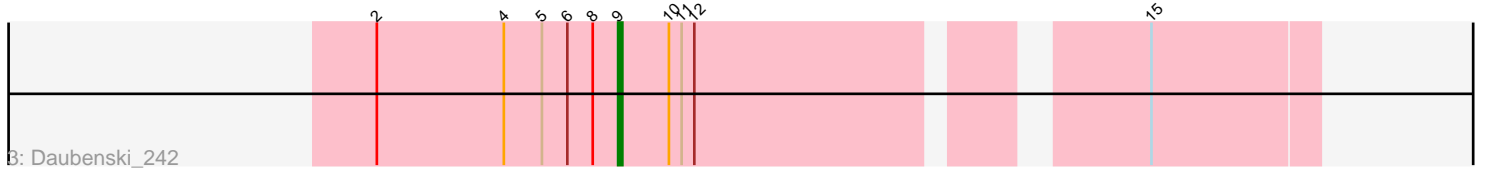
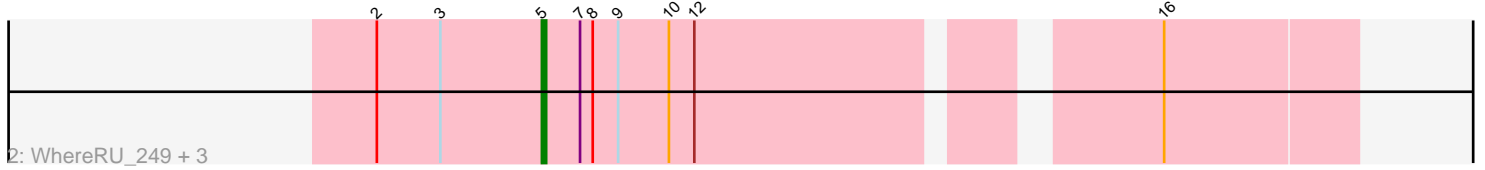
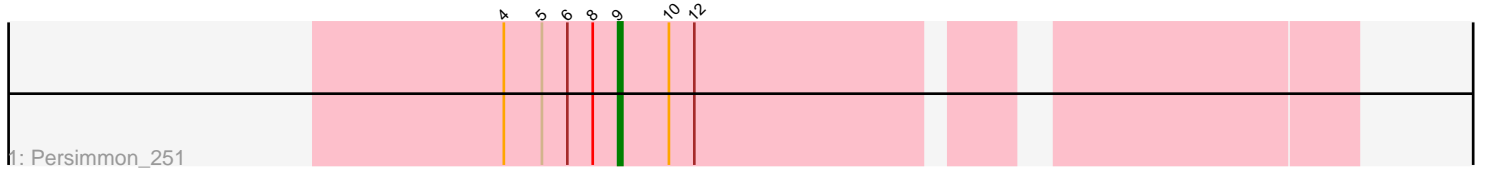


Pham 188538



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 188538 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188538 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Persimmon_251
- Track 2 : WhereRU_249, Braelyn_245, Bartholomune_249, Navo_242
- Track 3 : Daubenski_242
- Track 4 : PinkiePie_249, Squillium_251, Liandry_248
- Track 5 : Bmoc_256
- Track 6 : Paradiddles_240
- Track 7 : NootNoot_245
- Track 8 : Anedea_265
- Track 9 : Sollertia_256

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bartholomune_249, Bmoc_256, Braelyn_245, Navo_242, NootNoot_245, Paradiddles_240, Sollertia_256, WhereRU_249,

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

- Anedea_265, Daubenski_242, Liandry_248, Persimmon_251, PinkiePie_249, Squillium_251,

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

-

Summary by start number:

Start 5:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 14
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Bartholomune_249 (BE1), Bmoc_256 (BE1), Braelyn_245 (BE1), Navo_242 (BE1), NootNoot_245 (BE1), Paradiddles_240

(BE1), Sollertia_256 (BE2), WhereRU_249 (BE1),

Start 9:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 14
- Called 35.7% of time when present
- Phage (with cluster) where this start called: Daubenski_242 (BE1), Liandry_248 (BE1), Persimmon_251 (BE1), PinkiePie_249 (BE1), Squillium_251 (BE1),

Start 12:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Anedea_265 (BE1),

Summary by clusters:

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:

- Start number 5 was manually annotated 7 times for cluster BE1.
- Start number 9 was manually annotated 5 times for cluster BE1.
- Start number 12 was manually annotated 1 time for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 5 was manually annotated 1 time for cluster BE2.

Gene Information:

Gene: Anedea_265 Start: 122550, Stop: 122744, Start Num: 12

Candidate Starts for Anedea_265:

(2, 122475), (3, 122490), (Start: 5 @122514 has 8 MA's), (6, 122520), (7, 122523), (8, 122526), (Start: 9 @122532 has 5 MA's), (10, 122544), (Start: 12 @122550 has 1 MA's), (13, 122565), (14, 122622), (18, 122703),

Gene: Bartholomune_249 Start: 120501, Stop: 120677, Start Num: 5

Candidate Starts for Bartholomune_249:

(2, 120462), (3, 120477), (Start: 5 @120501 has 8 MA's), (7, 120510), (8, 120513), (Start: 9 @120519 has 5 MA's), (10, 120531), (Start: 12 @120537 has 1 MA's), (16, 120633),

Gene: Bmoc_256 Start: 121294, Stop: 121539, Start Num: 5

Candidate Starts for Bmoc_256:

(4, 121285), (Start: 5 @121294 has 8 MA's), (6, 121300), (8, 121306), (Start: 9 @121312 has 5 MA's), (10, 121324), (Start: 12 @121330 has 1 MA's), (13, 121345), (14, 121402), (15, 121438), (17, 121474),

Gene: Braelyn_245 Start: 119835, Stop: 120011, Start Num: 5

Candidate Starts for Braelyn_245:

(2, 119796), (3, 119811), (Start: 5 @119835 has 8 MA's), (7, 119844), (8, 119847), (Start: 9 @119853 has 5 MA's), (10, 119865), (Start: 12 @119871 has 1 MA's), (16, 119967),

Gene: Daubenski_242 Start: 121832, Stop: 121981, Start Num: 9
Candidate Starts for Daubenski_242:
(2, 121775), (4, 121805), (Start: 5 @121814 has 8 MA's), (6, 121820), (8, 121826), (Start: 9 @121832 has 5 MA's), (10, 121844), (11, 121847), (Start: 12 @121850 has 1 MA's), (15, 121943),

Gene: Liandry_248 Start: 120940, Stop: 121098, Start Num: 9
Candidate Starts for Liandry_248:
(4, 120913), (Start: 5 @120922 has 8 MA's), (6, 120928), (8, 120934), (Start: 9 @120940 has 5 MA's), (10, 120952), (Start: 12 @120958 has 1 MA's), (15, 121051),

Gene: Navo_242 Start: 119039, Stop: 119215, Start Num: 5
Candidate Starts for Navo_242:
(2, 119000), (3, 119015), (Start: 5 @119039 has 8 MA's), (7, 119048), (8, 119051), (Start: 9 @119057 has 5 MA's), (10, 119069), (Start: 12 @119075 has 1 MA's), (16, 119171),

Gene: NootNoot_245 Start: 119734, Stop: 119910, Start Num: 5
Candidate Starts for NootNoot_245:
(2, 119695), (4, 119725), (Start: 5 @119734 has 8 MA's), (6, 119740), (8, 119746), (Start: 9 @119752 has 5 MA's), (10, 119764), (Start: 12 @119770 has 1 MA's), (16, 119866),

Gene: Paradiddles_240 Start: 122109, Stop: 122285, Start Num: 5
Candidate Starts for Paradiddles_240:
(4, 122100), (Start: 5 @122109 has 8 MA's), (6, 122115), (8, 122121), (Start: 9 @122127 has 5 MA's), (10, 122139), (Start: 12 @122145 has 1 MA's), (15, 122238),

Gene: Persimmon_251 Start: 120254, Stop: 120412, Start Num: 9
Candidate Starts for Persimmon_251:
(4, 120227), (Start: 5 @120236 has 8 MA's), (6, 120242), (8, 120248), (Start: 9 @120254 has 5 MA's), (10, 120266), (Start: 12 @120272 has 1 MA's),

Gene: PinkiePie_249 Start: 120940, Stop: 121098, Start Num: 9
Candidate Starts for PinkiePie_249:
(4, 120913), (Start: 5 @120922 has 8 MA's), (6, 120928), (8, 120934), (Start: 9 @120940 has 5 MA's), (10, 120952), (Start: 12 @120958 has 1 MA's), (15, 121051),

Gene: Sollertia_256 Start: 118330, Stop: 118482, Start Num: 5
Candidate Starts for Sollertia_256:
(1, 118213), (4, 118321), (Start: 5 @118330 has 8 MA's), (6, 118336), (Start: 9 @118348 has 5 MA's), (10, 118360), (Start: 12 @118366 has 1 MA's), (13, 118381),

Gene: Squillium_251 Start: 120942, Stop: 121115, Start Num: 9
Candidate Starts for Squillium_251:
(4, 120915), (Start: 5 @120924 has 8 MA's), (6, 120930), (8, 120936), (Start: 9 @120942 has 5 MA's), (10, 120954), (Start: 12 @120960 has 1 MA's), (15, 121053),

Gene: WhereRU_249 Start: 120570, Stop: 120746, Start Num: 5
Candidate Starts for WhereRU_249:
(2, 120531), (3, 120546), (Start: 5 @120570 has 8 MA's), (7, 120579), (8, 120582), (Start: 9 @120588 has 5 MA's), (10, 120600), (Start: 12 @120606 has 1 MA's), (16, 120702),