Pham 193152

1: Trine_22

2: MAnor_23 + 2

3: SheckWes_22 + 1

4: RedWattleHog_6 + 1
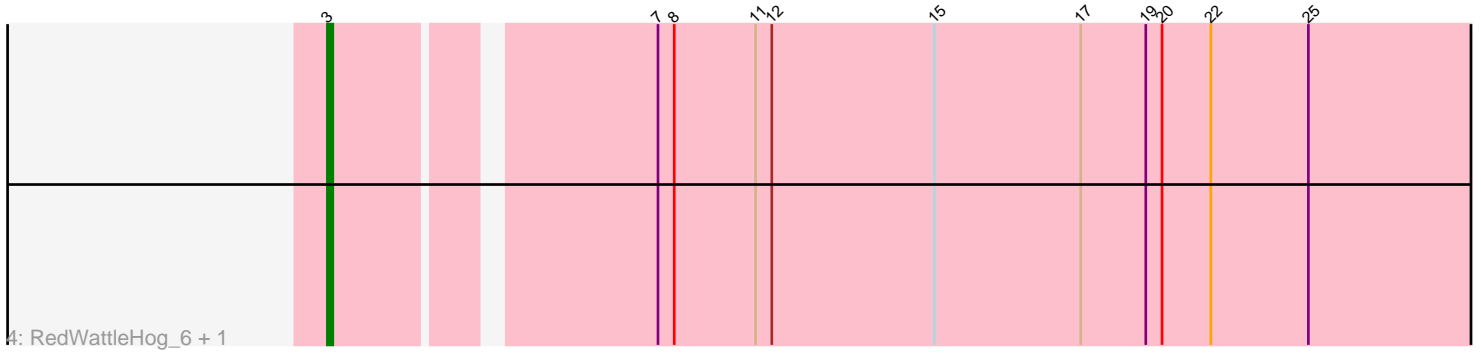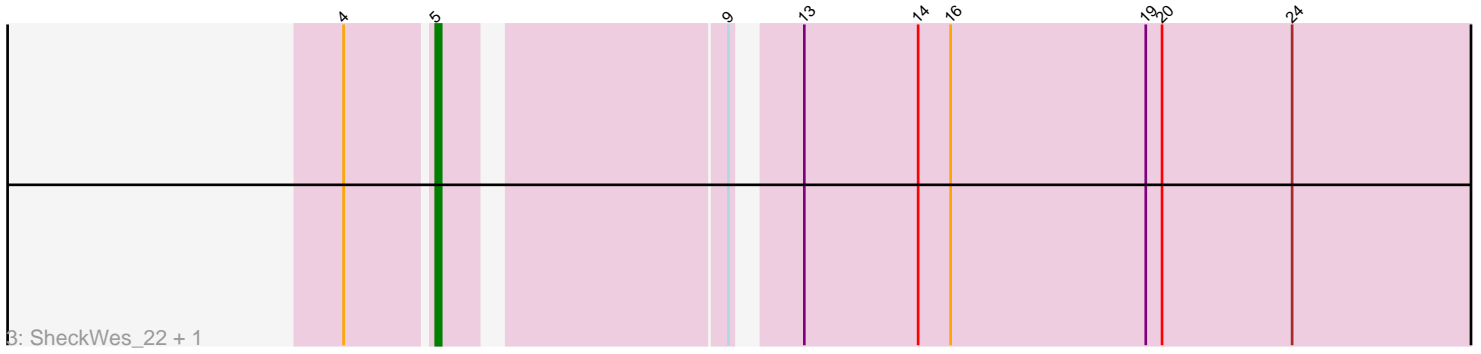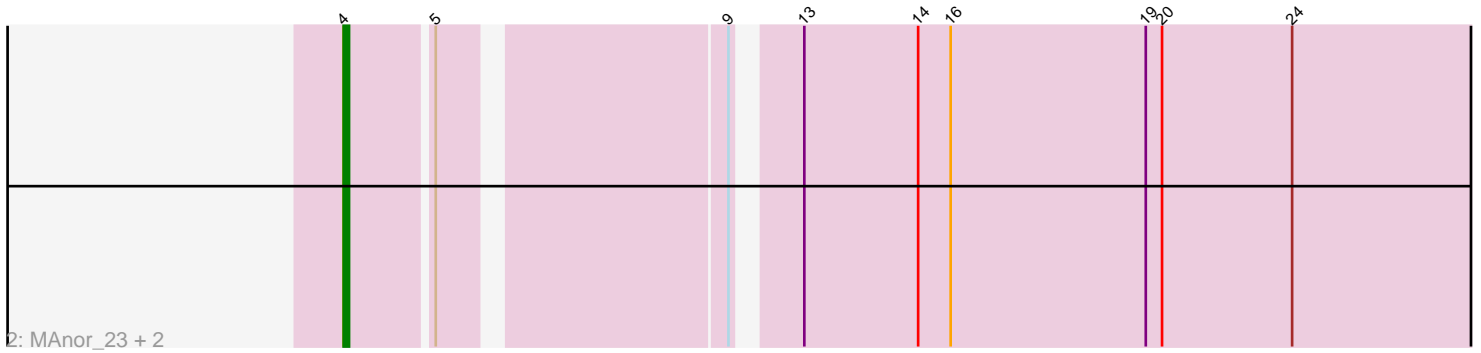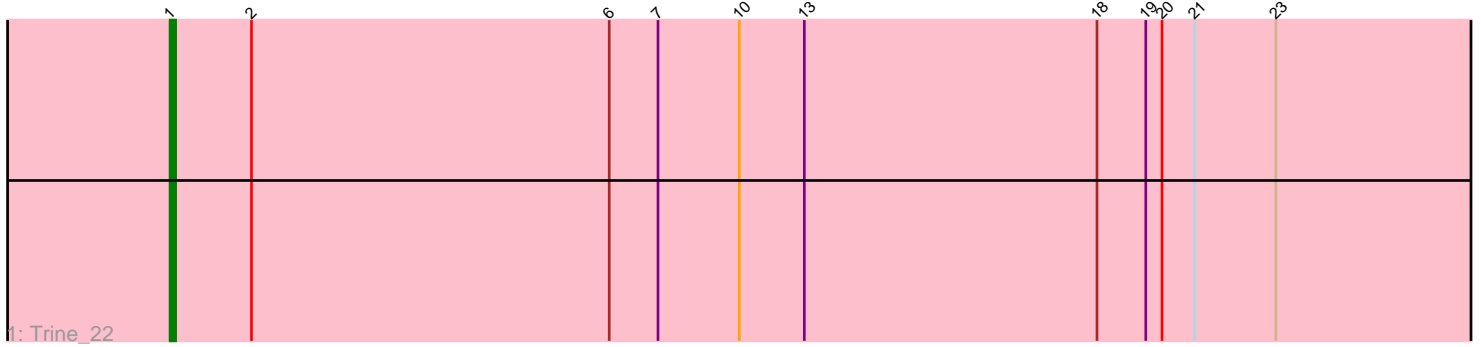
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 193152 Report

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

Pham number 193152 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Trine_22
• Track 2 : MAnor_23, Pons_23, Mayweather_24
• Track 3 : SheckWes_22, CherryonLim_24
• Track 4 : RedWattleHog_6, Stormageddon_6

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 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• MAnor_23, Mayweather_24, Pons_23,

Genes that have the "Most Annotated" start but do not call it:
• CherryonLim_24, SheckWes_22,

Genes that do not have the "Most Annotated" start:
• RedWattleHog_6, Stormageddon_6, Trine_22,

Summary by start number:

Start 1:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Trine_22 (CD),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RedWattleHog_6 (DX), Stormageddon_6 (DX),

Start 4:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 60.0% of time when present
• Phage (with cluster) where this start called: MAnor_23 (CT), Mayweather_24 (CT), Pons_23 (CT),

Start 5:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 40.0% of time when present
• Phage (with cluster) where this start called: CherryonLim_24 (CT), SheckWes_22 (CT),

Summary by clusters:

There are 3 clusters represented in this pham: CD, DX, CT,

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

Info for manual annotations of cluster CT:
•Start number 4 was manually annotated 3 times for cluster CT.
•Start number 5 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster DX:
•Start number 3 was manually annotated 2 times for cluster DX.

Gene Information:
Gene: CherryonLim_24 Start: 20248, Stop: 20469, Start Num: 5
Candidate Starts for CherryonLim_24:
(Start: 4 @20233 has 3 MA's), (Start: 5 @20248 has 2 MA's), (9, 20296), (13, 20305), (14, 20326), (16, 20332), (19, 20368), (20, 20371), (24, 20395),

Gene: MAnor_23 Start: 19493, Stop: 19729, Start Num: 4
Candidate Starts for MAnor_23:
(Start: 4 @19493 has 3 MA's), (Start: 5 @19508 has 2 MA's), (9, 19556), (13, 19565), (14, 19586), (16, 19592), (19, 19628), (20, 19631), (24, 19655),

Gene: Mayweather_24 Start: 20109, Stop: 20345, Start Num: 4
Candidate Starts for Mayweather_24:
(Start: 4 @20109 has 3 MA's), (Start: 5 @20124 has 2 MA's), (9, 20172), (13, 20181), (14, 20202), (16, 20208), (19, 20244), (20, 20247), (24, 20271),

Gene: Pons_23 Start: 19481, Stop: 19717, Start Num: 4
Candidate Starts for Pons_23:
(Start: 4 @19481 has 3 MA's), (Start: 5 @19496 has 2 MA's), (9, 19544), (13, 19553), (14, 19574), (16, 19580), (19, 19616), (20, 19619), (24, 19643),

Gene: RedWattleHog_6 Start: 3833, Stop: 4042, Start Num: 3

Candidate Starts for RedWattleHog_6:
(Start: 3 @3833 has 2 MA's), (7, 3887), (8, 3890), (11, 3905), (12, 3908), (15, 3938), (17, 3965), (19, 3977), (20, 3980), (22, 3989), (25, 4007),

Gene: SheckWes_22 Start: 19493, Stop: 19714, Start Num: 5
Candidate Starts for SheckWes_22:
(Start: 4 @19478 has 3 MA's), (Start: 5 @19493 has 2 MA's), (9, 19541), (13, 19550), (14, 19571), (16, 19577), (19, 19613), (20, 19616), (24, 19640),

Gene: Stormageddon_6 Start: 3833, Stop: 4042, Start Num: 3
Candidate Starts for Stormageddon_6:
(Start: 3 @3833 has 2 MA's), (7, 3887), (8, 3890), (11, 3905), (12, 3908), (15, 3938), (17, 3965), (19, 3977), (20, 3980), (22, 3989), (25, 4007),

Gene: Trine_22 Start: 18330, Stop: 18593, Start Num: 1
Candidate Starts for Trine_22:
(Start: 1 @18330 has 1 MA's), (2, 18345), (6, 18411), (7, 18420), (10, 18435), (13, 18447), (18, 18501), (19, 18510), (20, 18513), (21, 18519), (23, 18534),