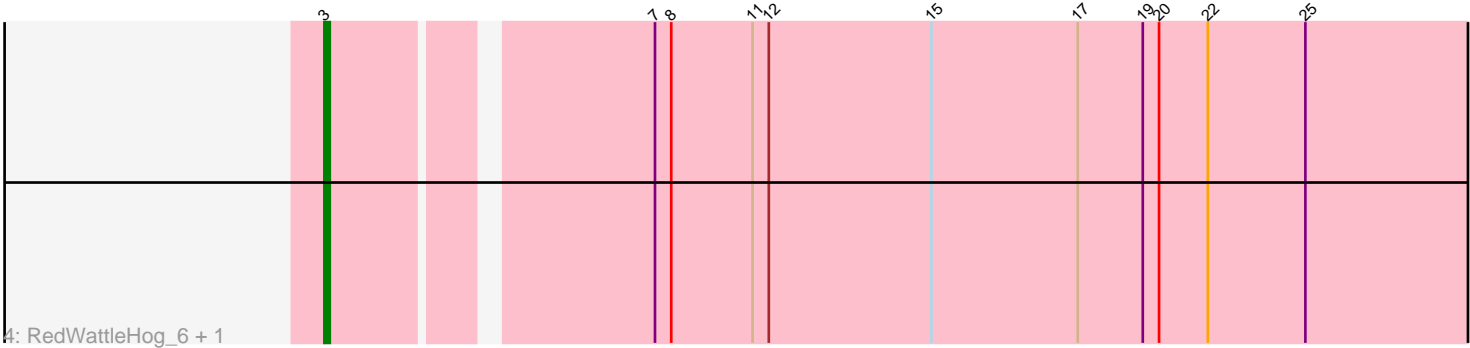
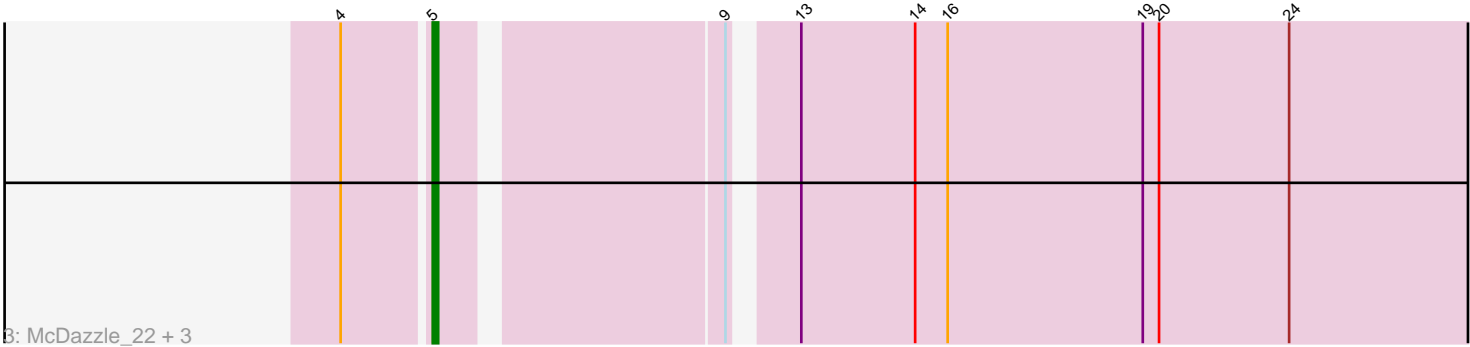
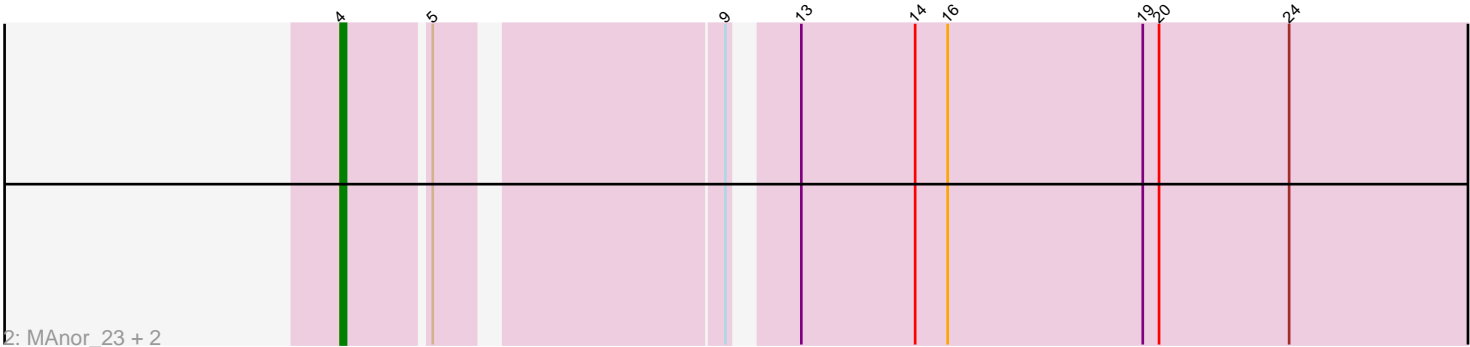
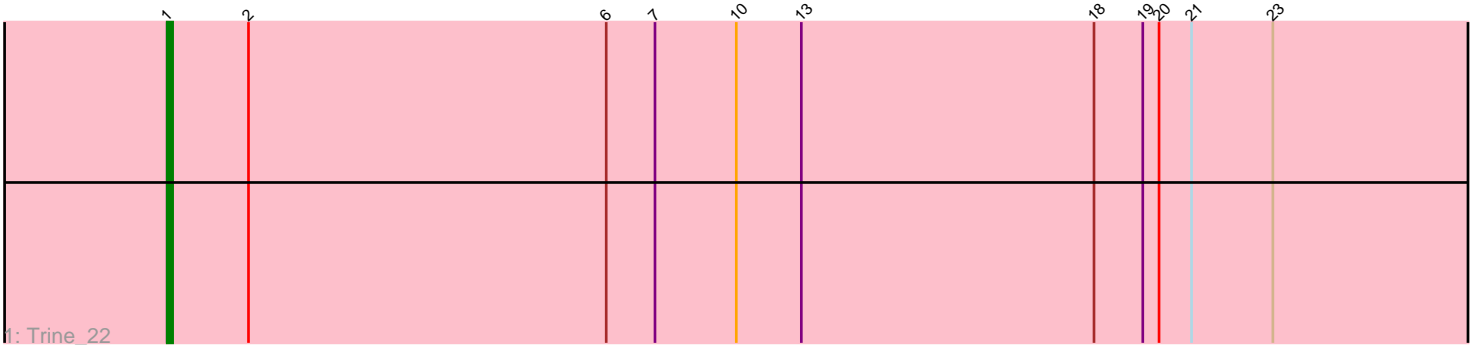


Pham 281124



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 281124 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281124 has 10 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Trine\_22
- Track 2 : MAnor\_23, Pons\_23, Mayweather\_24
- Track 3 : McDazzle\_22, SheckWes\_22, ElJefes\_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, ElJefes\_22, McDazzle\_22, 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 10 ( 10.0% ) 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 10 ( 20.0% ) 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 7 of 10 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 42.9% of time when present
- Phage (with cluster) where this start called: MAnor\_23 (CT), Mayweather\_24 (CT), Pons\_23 (CT),

#### Start 5:

- Found in 7 of 10 ( 70.0% ) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 57.1% of time when present
- Phage (with cluster) where this start called: CherryonLim\_24 (CT), ElJefes\_22 (CT), McDazzle\_22 (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: ElJefes\_22 Start: 19971, Stop: 20192, Start Num: 5

Candidate Starts for ElJefes\_22:

(Start: 4 @19956 has 3 MA's), (Start: 5 @19971 has 2 MA's), (9, 20019), (13, 20028), (14, 20049), (16, 20055), (19, 20091), (20, 20094), (24, 20118),

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: McDazzle\_22 Start: 19965, Stop: 20186, Start Num: 5

Candidate Starts for McDazzle\_22:

(Start: 4 @19950 has 3 MA's), (Start: 5 @19965 has 2 MA's), (9, 20013), (13, 20022), (14, 20043), (16, 20049), (19, 20085), (20, 20088), (24, 20112),

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),