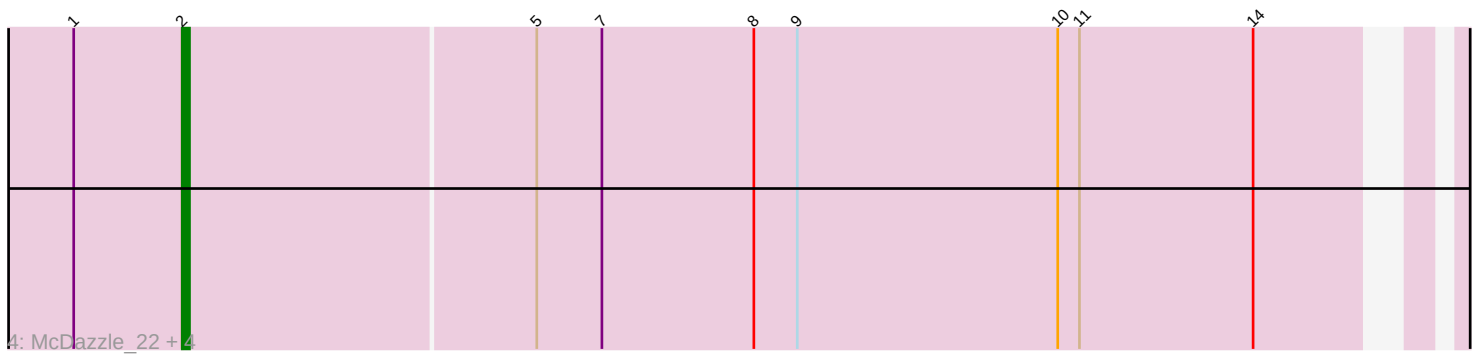
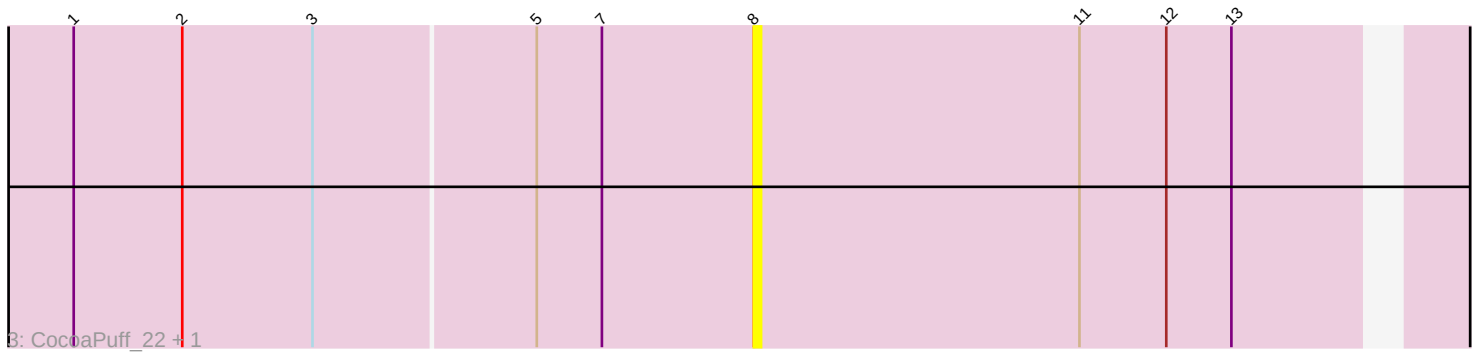
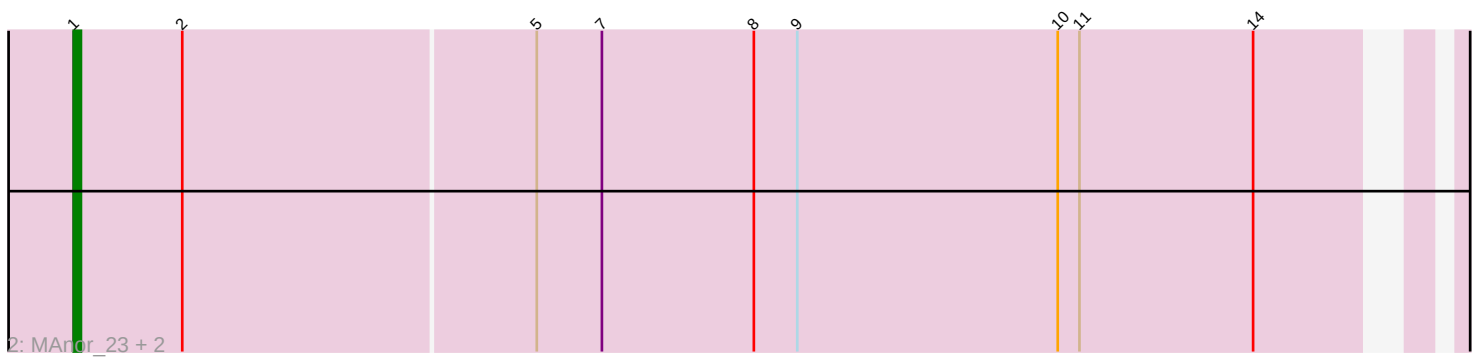


Pham 329661



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 329661 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329661 has 11 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Purplicious_46
- Track 2 : MAnor_23, Pons_23, Mayweather_24
- Track 3 : CocoaPuff_22, Balloona_22
- Track 4 : McDazzle_22, SheckWes_22, ElJefes_22, CherryonLim_24, Tarnish_23

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- CherryonLim_24, ElJefes_22, McDazzle_22, SheckWes_22, Tarnish_23,

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

- Balloona_22, CocoaPuff_22, MAnor_23, Mayweather_24, Pons_23,

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

- Purplicious_46,

Summary by start number:

Start 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 27.3% of time when present
- Phage (with cluster) where this start called: MAnor_23 (CT), Mayweather_24 (CT), Pons_23 (CT),

Start 2:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CherryonLim_24 (CT), ElJefes_22 (CT), McDazzle_22 (CT), SheckWes_22 (CT), Tarnish_23 (CT),

Start 6:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Purplicious_46 (CP),

Start 8:

- Found in 10 of 11 (90.9%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Balloona_22 (CT), CocoaPuff_22 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: CP, CT,

Info for manual annotations of cluster CT:

- Start number 1 was manually annotated 3 times for cluster CT.
- Start number 2 was manually annotated 3 times for cluster CT.

Gene Information:

Gene: Balloona_22 Start: 19570, Stop: 19716, Start Num: 8

Candidate Starts for Balloona_22:

(Start: 1 @19477 has 3 MA's), (Start: 2 @19492 has 3 MA's), (3, 19510), (5, 19540), (7, 19549), (8, 19570), (11, 19615), (12, 19627), (13, 19636),

Gene: CherryonLim_24 Start: 20248, Stop: 20469, Start Num: 2

Candidate Starts for CherryonLim_24:

(Start: 1 @20233 has 3 MA's), (Start: 2 @20248 has 3 MA's), (5, 20296), (7, 20305), (8, 20326), (9, 20332), (10, 20368), (11, 20371), (14, 20395),

Gene: CocoaPuff_22 Start: 19567, Stop: 19713, Start Num: 8

Candidate Starts for CocoaPuff_22:

(Start: 1 @19474 has 3 MA's), (Start: 2 @19489 has 3 MA's), (3, 19507), (5, 19537), (7, 19546), (8, 19567), (11, 19612), (12, 19624), (13, 19633),

Gene: ElJefes_22 Start: 19971, Stop: 20192, Start Num: 2

Candidate Starts for ElJefes_22:

(Start: 1 @19956 has 3 MA's), (Start: 2 @19971 has 3 MA's), (5, 20019), (7, 20028), (8, 20049), (9, 20055), (10, 20091), (11, 20094), (14, 20118),

Gene: MAnor_23 Start: 19493, Stop: 19729, Start Num: 1

Candidate Starts for MAnor_23:

(Start: 1 @19493 has 3 MA's), (Start: 2 @19508 has 3 MA's), (5, 19556), (7, 19565), (8, 19586), (9, 19592), (10, 19628), (11, 19631), (14, 19655),

Gene: Mayweather_24 Start: 20109, Stop: 20345, Start Num: 1

Candidate Starts for Mayweather_24:

(Start: 1 @20109 has 3 MA's), (Start: 2 @20124 has 3 MA's), (5, 20172), (7, 20181), (8, 20202), (9, 20208), (10, 20244), (11, 20247), (14, 20271),

Gene: McDazzle_22 Start: 19965, Stop: 20186, Start Num: 2

Candidate Starts for McDazzle_22:

(Start: 1 @19950 has 3 MA's), (Start: 2 @19965 has 3 MA's), (5, 20013), (7, 20022), (8, 20043), (9, 20049), (10, 20085), (11, 20088), (14, 20112),

Gene: Pons_23 Start: 19481, Stop: 19717, Start Num: 1

Candidate Starts for Pons_23:

(Start: 1 @19481 has 3 MA's), (Start: 2 @19496 has 3 MA's), (5, 19544), (7, 19553), (8, 19574), (9, 19580), (10, 19616), (11, 19619), (14, 19643),

Gene: Purplicious_46 Start: 25567, Stop: 25752, Start Num: 6

Candidate Starts for Purplicious_46:

(Start: 1 @25501 has 3 MA's), (4, 25546), (6, 25567), (11, 25639), (12, 25651),

Gene: SheckWes_22 Start: 19493, Stop: 19714, Start Num: 2

Candidate Starts for SheckWes_22:

(Start: 1 @19478 has 3 MA's), (Start: 2 @19493 has 3 MA's), (5, 19541), (7, 19550), (8, 19571), (9, 19577), (10, 19613), (11, 19616), (14, 19640),

Gene: Tarnish_23 Start: 19864, Stop: 20085, Start Num: 2

Candidate Starts for Tarnish_23:

(Start: 1 @19849 has 3 MA's), (Start: 2 @19864 has 3 MA's), (5, 19912), (7, 19921), (8, 19942), (9, 19948), (10, 19984), (11, 19987), (14, 20011),