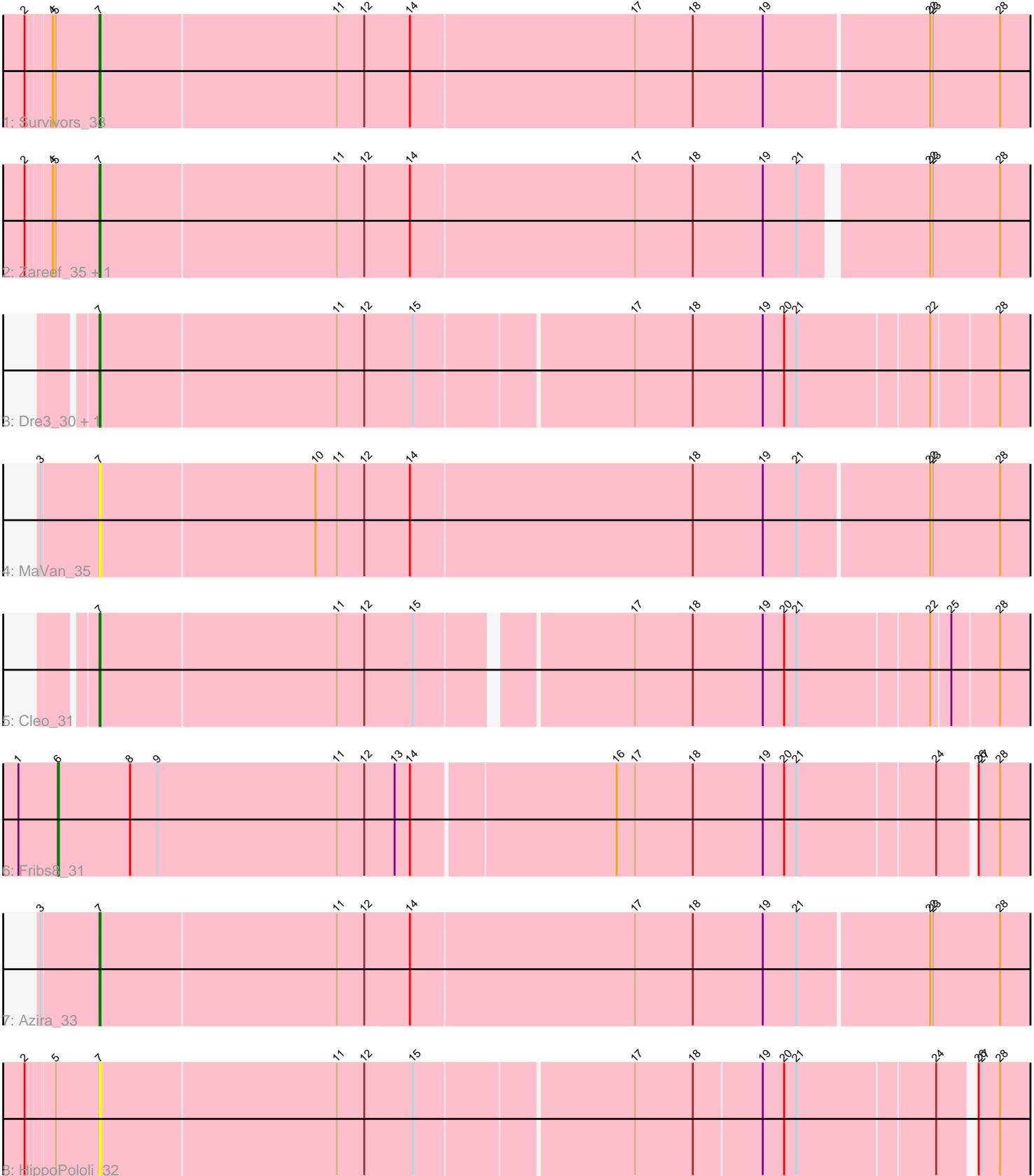


Pham 9290



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 9290 Report

This analysis was run 04/05/24 on database version 557.

Pham number 9290 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Survivors_33
- Track 2 : Zareef_35, Nibbles_32
- Track 3 : Dre3_30, Gibbous_30
- Track 4 : MaVan_35
- Track 5 : Cleo_31
- Track 6 : Fribs8_31
- Track 7 : Azira_33
- Track 8 : HippoPololi_32

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Azira_33, Cleo_31, Dre3_30, Gibbous_30, HippoPololi_32, MaVan_35, Nibbles_32, Survivors_33, Zareef_35,

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

-

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

- Fribs8_31,

Summary by start number:

Start 6:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fribs8_31 (CT),

Start 7:

- Found in 9 of 10 (90.0%) of genes in pham

- Manual Annotations of this start: 6 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azira_33 (CT), Cleo_31 (CT), Dre3_30 (CT), Gibbous_30 (CT), HippoPololi_32 (CT), MaVan_35 (CT), Nibbles_32 (CT), Survivors_33 (CT), Zareef_35 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 1 time for cluster CT.
- Start number 7 was manually annotated 6 times for cluster CT.

Gene Information:

Gene: Azira_33 Start: 26252, Stop: 25344, Start Num: 7

Candidate Starts for Azira_33:

(3, 26306), (Start: 7 @26252 has 6 MA's), (11, 26021), (12, 25994), (14, 25949), (17, 25730), (18, 25673), (19, 25604), (21, 25571), (22, 25445), (23, 25442), (28, 25376),

Gene: Cleo_31 Start: 25666, Stop: 24785, Start Num: 7

Candidate Starts for Cleo_31:

(Start: 7 @25666 has 6 MA's), (11, 25435), (12, 25408), (15, 25360), (17, 25165), (18, 25108), (19, 25039), (20, 25018), (21, 25006), (22, 24880), (25, 24862), (28, 24817),

Gene: Dre3_30 Start: 25409, Stop: 24516, Start Num: 7

Candidate Starts for Dre3_30:

(Start: 7 @25409 has 6 MA's), (11, 25178), (12, 25151), (15, 25103), (17, 24896), (18, 24839), (19, 24770), (20, 24749), (21, 24737), (22, 24611), (28, 24548),

Gene: Fribs8_31 Start: 25831, Stop: 24896, Start Num: 6

Candidate Starts for Fribs8_31:

(1, 25870), (Start: 6 @25831 has 1 MA's), (8, 25762), (9, 25735), (11, 25558), (12, 25531), (13, 25501), (14, 25486), (16, 25291), (17, 25273), (18, 25216), (19, 25147), (20, 25126), (21, 25114), (24, 24982), (26, 24949), (27, 24946), (28, 24928),

Gene: Gibbous_30 Start: 25409, Stop: 24516, Start Num: 7

Candidate Starts for Gibbous_30:

(Start: 7 @25409 has 6 MA's), (11, 25178), (12, 25151), (15, 25103), (17, 24896), (18, 24839), (19, 24770), (20, 24749), (21, 24737), (22, 24611), (28, 24548),

Gene: HippoPololi_32 Start: 25852, Stop: 24968, Start Num: 7

Candidate Starts for HippoPololi_32:

(2, 25921), (5, 25894), (Start: 7 @25852 has 6 MA's), (11, 25621), (12, 25594), (15, 25546), (17, 25339), (18, 25282), (19, 25216), (20, 25195), (21, 25183), (24, 25051), (26, 25021), (27, 25018), (28, 25000),

Gene: MaVan_35 Start: 26285, Stop: 25377, Start Num: 7

Candidate Starts for MaVan_35:

(3, 26339), (Start: 7 @26285 has 6 MA's), (10, 26075), (11, 26054), (12, 26027), (14, 25982), (18, 25706), (19, 25637), (21, 25604), (22, 25478), (23, 25475), (28, 25409),

Gene: Nibbles_32 Start: 25968, Stop: 25057, Start Num: 7

Candidate Starts for Nibbles_32:

(2, 26037), (4, 26013), (5, 26010), (Start: 7 @25968 has 6 MA's), (11, 25737), (12, 25710), (14, 25665), (17, 25443), (18, 25386), (19, 25317), (21, 25284), (22, 25158), (23, 25155), (28, 25089),

Gene: Survivors_33 Start: 26177, Stop: 25269, Start Num: 7

Candidate Starts for Survivors_33:

(2, 26246), (4, 26222), (5, 26219), (Start: 7 @26177 has 6 MA's), (11, 25946), (12, 25919), (14, 25874), (17, 25655), (18, 25598), (19, 25529), (22, 25370), (23, 25367), (28, 25301),

Gene: Zareef_35 Start: 26271, Stop: 25375, Start Num: 7

Candidate Starts for Zareef_35:

(2, 26340), (4, 26316), (5, 26313), (Start: 7 @26271 has 6 MA's), (11, 26040), (12, 26013), (14, 25968), (17, 25749), (18, 25692), (19, 25623), (21, 25590), (22, 25476), (23, 25473), (28, 25407),