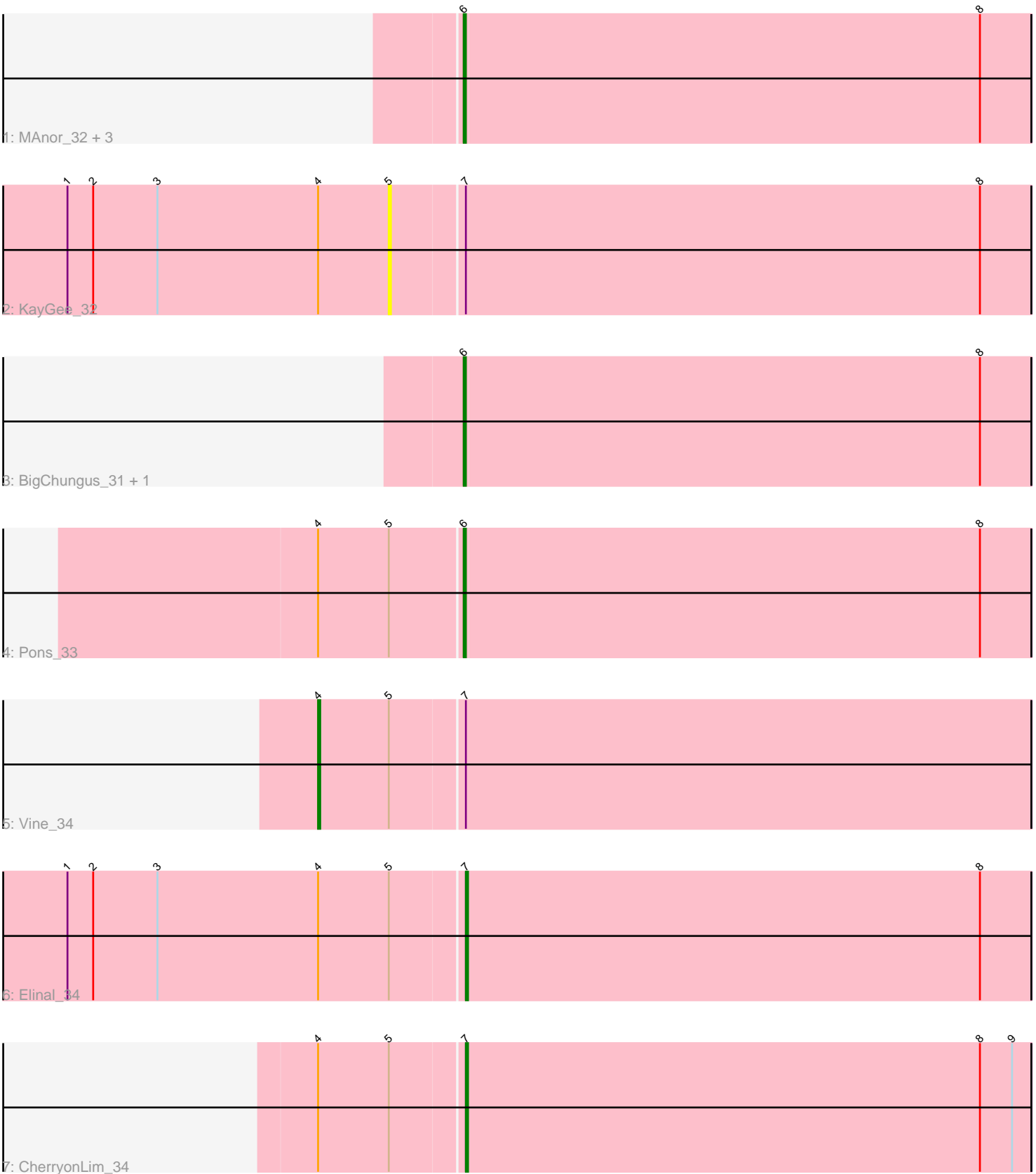


Pham 6144



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 6144 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6144 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : MAnor_32, SheckWes_32, Mayweather_35, PotPie_33
- Track 2 : KayGee_32
- Track 3 : BigChungus_31, Feastonyeet_31
- Track 4 : Pons_33
- Track 5 : Vine_34
- Track 6 : Elinal_34
- Track 7 : CherryonLim_34

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigChungus_31, Feastonyeet_31, MAnor_32, Mayweather_35, Pons_33, PotPie_33, SheckWes_32,

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

-

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

- CherryonLim_34, Elinal_34, KayGee_32, Vine_34,

Summary by start number:

Start 4:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Vine_34 (CT),

Start 5:

- Found in 5 of 11 (45.5%) of genes in pham
- No Manual Annotations of this start.

- Called 20.0% of time when present
- Phage (with cluster) where this start called: KayGee_32 (CT),

Start 6:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigChungus_31 (CT), Feastonyeet_31 (CT), MAnor_32 (CT), Mayweather_35 (CT), Pons_33 (CT), PotPie_33 (CT), SheckWes_32 (CT),

Start 7:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: CherryonLim_34 (CT), Elinal_34 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 4 was manually annotated 1 time for cluster CT.
- Start number 6 was manually annotated 5 times for cluster CT.
- Start number 7 was manually annotated 2 times for cluster CT.

Gene Information:

Gene: BigChungus_31 Start: 25161, Stop: 24898, Start Num: 6

Candidate Starts for BigChungus_31:

(Start: 6 @25161 has 5 MA's), (8, 24921),

Gene: CherryonLim_34 Start: 26334, Stop: 26071, Start Num: 7

Candidate Starts for CherryonLim_34:

(Start: 4 @26400 has 1 MA's), (5, 26367), (Start: 7 @26334 has 2 MA's), (8, 26094), (9, 26079),

Gene: Elinal_34 Start: 25548, Stop: 25285, Start Num: 7

Candidate Starts for Elinal_34:

(1, 25731), (2, 25719), (3, 25689), (Start: 4 @25614 has 1 MA's), (5, 25581), (Start: 7 @25548 has 2 MA's), (8, 25308),

Gene: Feastonyeet_31 Start: 25161, Stop: 24898, Start Num: 6

Candidate Starts for Feastonyeet_31:

(Start: 6 @25161 has 5 MA's), (8, 24921),

Gene: KayGee_32 Start: 25581, Stop: 25285, Start Num: 5

Candidate Starts for KayGee_32:

(1, 25731), (2, 25719), (3, 25689), (Start: 4 @25614 has 1 MA's), (5, 25581), (Start: 7 @25548 has 2 MA's), (8, 25308),

Gene: MAnor_32 Start: 25346, Stop: 25083, Start Num: 6

Candidate Starts for MAnor_32:
(Start: 6 @25346 has 5 MA's), (8, 25106),

Gene: Mayweather_35 Start: 26166, Stop: 25903, Start Num: 6
Candidate Starts for Mayweather_35:
(Start: 6 @26166 has 5 MA's), (8, 25926),

Gene: Pons_33 Start: 25491, Stop: 25228, Start Num: 6
Candidate Starts for Pons_33:
(Start: 4 @25557 has 1 MA's), (5, 25524), (Start: 6 @25491 has 5 MA's), (8, 25251),

Gene: PotPie_33 Start: 26482, Stop: 26219, Start Num: 6
Candidate Starts for PotPie_33:
(Start: 6 @26482 has 5 MA's), (8, 26242),

Gene: SheckWes_32 Start: 24493, Stop: 24230, Start Num: 6
Candidate Starts for SheckWes_32:
(Start: 6 @24493 has 5 MA's), (8, 24253),

Gene: Vine_34 Start: 25994, Stop: 25665, Start Num: 4
Candidate Starts for Vine_34:
(Start: 4 @25994 has 1 MA's), (5, 25961), (Start: 7 @25928 has 2 MA's),