



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 293279 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293279 has 13 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brent\_74, Franzy\_72, Jawnski\_73, King2\_73
- Track 2 : Beans\_73, Piccoletto\_74, NathanVaag\_73
- Track 3 : StevieBAY\_79, BigDome\_79, GravityBall\_78, BarretLemon\_79, Timinator\_79, LeeroyJ\_79

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

The start number called the most often in the published annotations is 1, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BarretLemon\_79, Beans\_73, BigDome\_79, Brent\_74, Franzy\_72, GravityBall\_78, Jawnski\_73, King2\_73, LeeroyJ\_79, NathanVaag\_73, Piccoletto\_74, StevieBAY\_79, Timinator\_79,

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

- 

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

- 

### **Summary by start number:**

Start 1:

- Found in 13 of 13 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarretLemon\_79 (AO2), Beans\_73 (AO1), BigDome\_79 (AO2), Brent\_74 (AO1), Franzy\_72 (AO1), GravityBall\_78 (AO2), Jawnski\_73 (AO1), King2\_73 (AO1), LeeroyJ\_79 (AO2), NathanVaag\_73 (AO1), Piccoletto\_74 (AO1), StevieBAY\_79 (AO2), Timinator\_79 (AO2),

### **Summary by clusters:**

There are 2 clusters represented in this pham: AO2, AO1,

Info for manual annotations of cluster AO1:

•Start number 1 was manually annotated 7 times for cluster AO1.

Info for manual annotations of cluster AO2:

•Start number 1 was manually annotated 5 times for cluster AO2.

**Gene Information:**

Gene: BarretLemon\_79 Start: 51240, Stop: 51007, Start Num: 1

Candidate Starts for BarretLemon\_79:

(Start: 1 @51240 has 12 MA's), (2, 51144), (3, 51111), (5, 51024), (6, 51012),

Gene: Beans\_73 Start: 49721, Stop: 49500, Start Num: 1

Candidate Starts for Beans\_73:

(Start: 1 @49721 has 12 MA's), (2, 49634), (4, 49577),

Gene: BigDome\_79 Start: 51034, Stop: 50801, Start Num: 1

Candidate Starts for BigDome\_79:

(Start: 1 @51034 has 12 MA's), (2, 50938), (3, 50905), (5, 50818), (6, 50806),

Gene: Brent\_74 Start: 49803, Stop: 49582, Start Num: 1

Candidate Starts for Brent\_74:

(Start: 1 @49803 has 12 MA's), (4, 49659),

Gene: Franzy\_72 Start: 49900, Stop: 49679, Start Num: 1

Candidate Starts for Franzy\_72:

(Start: 1 @49900 has 12 MA's), (4, 49756),

Gene: GravityBall\_78 Start: 51050, Stop: 50817, Start Num: 1

Candidate Starts for GravityBall\_78:

(Start: 1 @51050 has 12 MA's), (2, 50954), (3, 50921), (5, 50834), (6, 50822),

Gene: Jawnski\_73 Start: 49343, Stop: 49122, Start Num: 1

Candidate Starts for Jawnski\_73:

(Start: 1 @49343 has 12 MA's), (4, 49199),

Gene: King2\_73 Start: 50270, Stop: 50049, Start Num: 1

Candidate Starts for King2\_73:

(Start: 1 @50270 has 12 MA's), (4, 50126),

Gene: LeeroyJ\_79 Start: 50975, Stop: 50742, Start Num: 1

Candidate Starts for LeeroyJ\_79:

(Start: 1 @50975 has 12 MA's), (2, 50879), (3, 50846), (5, 50759), (6, 50747),

Gene: NathanVaag\_73 Start: 49568, Stop: 49347, Start Num: 1

Candidate Starts for NathanVaag\_73:

(Start: 1 @49568 has 12 MA's), (2, 49481), (4, 49424),

Gene: Piccoletto\_74 Start: 49731, Stop: 49510, Start Num: 1

Candidate Starts for Piccoletto\_74:

(Start: 1 @49731 has 12 MA's), (2, 49644), (4, 49587),

Gene: StevieBAY\_79 Start: 51269, Stop: 51036, Start Num: 1

Candidate Starts for StevieBAY\_79:

(Start: 1 @51269 has 12 MA's), (2, 51173), (3, 51140), (5, 51053), (6, 51041),

Gene: Timinator\_79 Start: 51088, Stop: 50855, Start Num: 1

Candidate Starts for Timinator\_79:

(Start: 1 @51088 has 12 MA's), (2, 50992), (3, 50959), (5, 50872), (6, 50860),