



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 170422 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170422 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MulchSalad\_71
- Track 2 : Fulbright\_54, Misha28\_76, ChickenDinner\_80, TootsiePop\_76
- Track 3 : Parmesanjohn\_56, Carcharodon\_56, Pipsqueaks\_57, Xerxes\_56, Phloss\_54, Schnauzer\_57, Smurph\_56, Gex\_57, Magsby\_56

### ***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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Carcharodon\_56, ChickenDinner\_80, Fulbright\_54, Gex\_57, Magsby\_56, Misha28\_76, MulchSalad\_71, Parmesanjohn\_56, Phloss\_54, Pipsqueaks\_57, Schnauzer\_57, Smurph\_56, TootsiePop\_76, Xerxes\_56,

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 6:

- Found in 14 of 14 ( 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: Carcharodon\_56 (N), ChickenDinner\_80 (F1), Fulbright\_54 (N), Gex\_57 (N), Magsby\_56 (N), Misha28\_76 (F1), MulchSalad\_71 (F), Parmesanjohn\_56 (N), Phloss\_54 (N), Pipsqueaks\_57 (N), Schnauzer\_57 (N), Smurph\_56 (N), TootsiePop\_76 (F1), Xerxes\_56 (N),

### **Summary by clusters:**

There are 3 clusters represented in this pham: F1, F, N,

Info for manual annotations of cluster F1:

- Start number 6 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster N:

- Start number 6 was manually annotated 10 times for cluster N.

**Gene Information:**

Gene: Carcharodon\_56 Start: 36662, Stop: 36964, Start Num: 6

Candidate Starts for Carcharodon\_56:

(5, 36617), (Start: 6 @36662 has 12 MA's), (7, 36713), (8, 36734), (9, 36746), (10, 36782), (11, 36845), (12, 36887),

Gene: ChickenDinner\_80 Start: 48556, Stop: 48867, Start Num: 6

Candidate Starts for ChickenDinner\_80:

(3, 48466), (4, 48502), (Start: 6 @48556 has 12 MA's), (7, 48607), (8, 48628), (9, 48640), (10, 48676), (11, 48739), (12, 48781),

Gene: Fulbright\_54 Start: 35356, Stop: 35658, Start Num: 6

Candidate Starts for Fulbright\_54:

(3, 35266), (4, 35302), (Start: 6 @35356 has 12 MA's), (7, 35407), (8, 35428), (9, 35440), (10, 35476), (11, 35539), (12, 35581),

Gene: Gex\_57 Start: 36678, Stop: 36980, Start Num: 6

Candidate Starts for Gex\_57:

(5, 36633), (Start: 6 @36678 has 12 MA's), (7, 36729), (8, 36750), (9, 36762), (10, 36798), (11, 36861), (12, 36903),

Gene: Magsby\_56 Start: 36679, Stop: 36981, Start Num: 6

Candidate Starts for Magsby\_56:

(5, 36634), (Start: 6 @36679 has 12 MA's), (7, 36730), (8, 36751), (9, 36763), (10, 36799), (11, 36862), (12, 36904),

Gene: Misha28\_76 Start: 49081, Stop: 49392, Start Num: 6

Candidate Starts for Misha28\_76:

(3, 48991), (4, 49027), (Start: 6 @49081 has 12 MA's), (7, 49132), (8, 49153), (9, 49165), (10, 49201), (11, 49264), (12, 49306),

Gene: MulchSalad\_71 Start: 45317, Stop: 45628, Start Num: 6

Candidate Starts for MulchSalad\_71:

(1, 45134), (2, 45194), (3, 45227), (4, 45263), (Start: 6 @45317 has 12 MA's), (7, 45368), (8, 45389), (9, 45401), (10, 45437), (11, 45500), (12, 45542),

Gene: Parmesanjohn\_56 Start: 36682, Stop: 36984, Start Num: 6

Candidate Starts for Parmesanjohn\_56:

(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: Phloss\_54 Start: 36089, Stop: 36391, Start Num: 6

Candidate Starts for Phloss\_54:

(5, 36044), (Start: 6 @36089 has 12 MA's), (7, 36140), (8, 36161), (9, 36173), (10, 36209), (11, 36272), (12, 36314),

Gene: Pipsqueaks\_57 Start: 36660, Stop: 36962, Start Num: 6

Candidate Starts for Pipsqueaks\_57:

(5, 36615), (Start: 6 @36660 has 12 MA's), (7, 36711), (8, 36732), (9, 36744), (10, 36780), (11, 36843), (12, 36885),

Gene: Schnauzer\_57 Start: 36682, Stop: 36984, Start Num: 6

Candidate Starts for Schnauzer\_57:

(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: Smurph\_56 Start: 36682, Stop: 36984, Start Num: 6

Candidate Starts for Smurph\_56:

(5, 36637), (Start: 6 @36682 has 12 MA's), (7, 36733), (8, 36754), (9, 36766), (10, 36802), (11, 36865), (12, 36907),

Gene: TootsiePop\_76 Start: 49081, Stop: 49392, Start Num: 6

Candidate Starts for TootsiePop\_76:

(3, 48991), (4, 49027), (Start: 6 @49081 has 12 MA's), (7, 49132), (8, 49153), (9, 49165), (10, 49201), (11, 49264), (12, 49306),

Gene: Xerxes\_56 Start: 36679, Stop: 36981, Start Num: 6

Candidate Starts for Xerxes\_56:

(5, 36634), (Start: 6 @36679 has 12 MA's), (7, 36730), (8, 36751), (9, 36763), (10, 36799), (11, 36862), (12, 36904),