



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 107240 Report

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

Pham number 107240 has 9 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Silvy_32, Charlie_32, Aggie_32, Philonius_32, SkinnyPete_29, Xeno_31
- Track 2 : Bosection6_32, Scitech_29, Journey_33

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

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

Genes that call this "Most Annotated" start:

- Aggie_32, Charlie_32, Philonius_32, Silvy_32, SkinnyPete_29, Xeno_31,

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

- Bosection6_32, Journey_33, Scitech_29,

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

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Summary by start number:

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 5
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Aggie_32 (N), Charlie_32 (N), Philonius_32 (N), Silvy_32 (N), SkinnyPete_29 (N), Xeno_31 (N),

Start 7:

- Found in 9 of 9 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Bosection6_32 (N), Journey_33 (N), Scitech_29 (N),

Summary by clusters:

There is one cluster represented in this pham: N

Info for manual annotations of cluster N:

- Start number 5 was manually annotated 5 times for cluster N.

Gene Information:

Gene: Aggie_32 Start: 26019, Stop: 25675, Start Num: 5

Candidate Starts for Aggie_32:

(1, 26121), (2, 26112), (3, 26100), (4, 26088), (Start: 5 @26019 has 5 MA's), (6, 25965), (7, 25947), (8, 25938), (9, 25863), (10, 25830), (11, 25770), (12, 25713),

Gene: Bosection6_32 Start: 25968, Stop: 25675, Start Num: 7

Candidate Starts for Bosection6_32:

(1, 26142), (2, 26133), (3, 26121), (4, 26109), (Start: 5 @26040 has 5 MA's), (6, 25986), (7, 25968), (8, 25959), (9, 25884), (10, 25830), (11, 25770), (12, 25713),

Gene: Charlie_32 Start: 26039, Stop: 25674, Start Num: 5

Candidate Starts for Charlie_32:

(1, 26141), (2, 26132), (3, 26120), (4, 26108), (Start: 5 @26039 has 5 MA's), (6, 25985), (7, 25967), (8, 25958), (9, 25883), (10, 25829), (11, 25769), (12, 25712),

Gene: Journey_33 Start: 25967, Stop: 25674, Start Num: 7

Candidate Starts for Journey_33:

(1, 26141), (2, 26132), (3, 26120), (4, 26108), (Start: 5 @26039 has 5 MA's), (6, 25985), (7, 25967), (8, 25958), (9, 25883), (10, 25829), (11, 25769), (12, 25712),

Gene: Philonius_32 Start: 26030, Stop: 25665, Start Num: 5

Candidate Starts for Philonius_32:

(1, 26132), (2, 26123), (3, 26111), (4, 26099), (Start: 5 @26030 has 5 MA's), (6, 25976), (7, 25958), (8, 25949), (9, 25874), (10, 25820), (11, 25760), (12, 25703),

Gene: Scitech_29 Start: 25144, Stop: 24851, Start Num: 7

Candidate Starts for Scitech_29:

(1, 25318), (2, 25309), (3, 25297), (4, 25285), (Start: 5 @25216 has 5 MA's), (6, 25162), (7, 25144), (8, 25135), (9, 25060), (10, 25006), (11, 24946), (12, 24889),

Gene: Silvy_32 Start: 26019, Stop: 25675, Start Num: 5

Candidate Starts for Silvy_32:

(1, 26121), (2, 26112), (3, 26100), (4, 26088), (Start: 5 @26019 has 5 MA's), (6, 25965), (7, 25947), (8, 25938), (9, 25863), (10, 25830), (11, 25770), (12, 25713),

Gene: SkinnyPete_29 Start: 25079, Stop: 24714, Start Num: 5

Candidate Starts for SkinnyPete_29:

(1, 25181), (2, 25172), (3, 25160), (4, 25148), (Start: 5 @25079 has 5 MA's), (6, 25025), (7, 25007), (8, 24998), (9, 24923), (10, 24869), (11, 24809), (12, 24752),

Gene: Xeno_31 Start: 25805, Stop: 25440, Start Num: 5

Candidate Starts for Xeno_31:

(1, 25907), (2, 25898), (3, 25886), (4, 25874), (Start: 5 @25805 has 5 MA's), (6, 25751), (7, 25733), (8, 25724), (9, 25649), (10, 25595), (11, 25535), (12, 25478),