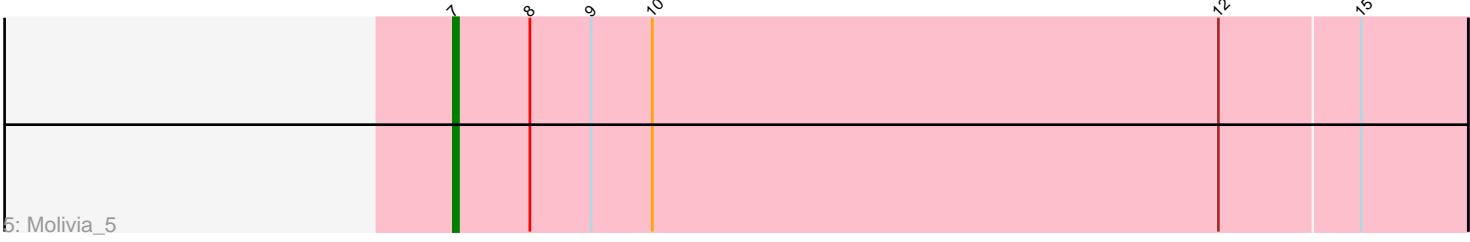
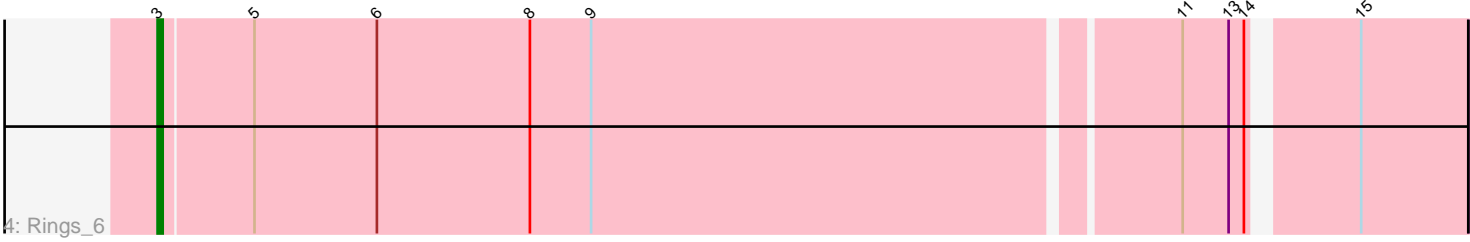
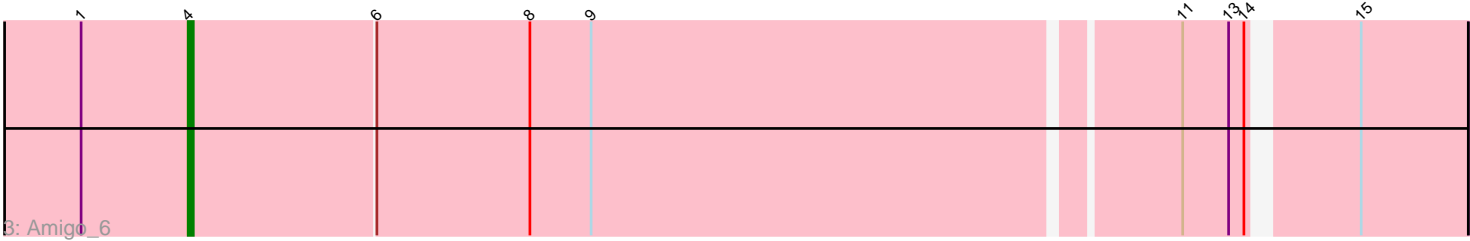
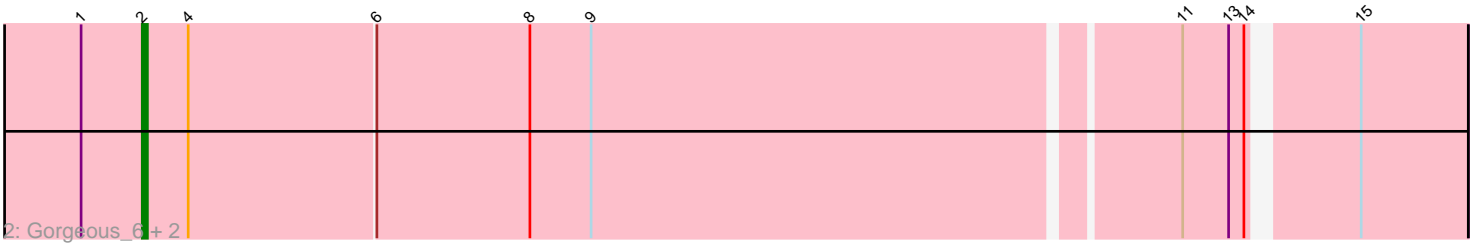


Pham 5349



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 5349 Report

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

Pham number 5349 has 13 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Boersma_6, Ichor_6, Thunderclap_6, Jaek_6, Yeezus_6
- Track 2 : Gorgeous_6, SorJuana_6, Anansi_6
- Track 3 : Amigo_6
- Track 4 : Rings_6
- Track 5 : Molivia_5
- Track 6 : Amavida_5, Heylee_5

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 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_5, Boersma_6, Heylee_5, Ichor_6, Jaek_6, Thunderclap_6, Yeezus_6,

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

- Amigo_6, Anansi_6, Gorgeous_6, Rings_6, SorJuana_6,

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

- Molivia_5,

Summary by start number:

Start 2:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 3 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anansi_6 (AQ), Gorgeous_6 (AQ), SorJuana_6 (AQ),

Start 3:

- Found in 3 of 13 (23.1%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 33.3% of time when present

- Phage (with cluster) where this start called: Rings_6 (AQ),

Start 4:

- Found in 9 of 13 (69.2%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Amigo_6 (AQ),

Start 6:

- Found in 12 of 13 (92.3%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 58.3% of time when present
- Phage (with cluster) where this start called: Amavida_5 (AQ), Boersma_6 (AQ), Heylee_5 (AQ), Ichor_6 (AQ), Jaek_6 (AQ), Thunderclap_6 (AQ), Yeezus_6 (AQ),

Start 7:

- Found in 1 of 13 (7.7%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Molivia_5 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:

- Start number 2 was manually annotated 3 times for cluster AQ.
- Start number 3 was manually annotated 1 time for cluster AQ.
- Start number 4 was manually annotated 1 time for cluster AQ.
- Start number 6 was manually annotated 5 times for cluster AQ.
- Start number 7 was manually annotated 1 time for cluster AQ.

Gene Information:

Gene: Amavida_5 Start: 1975, Stop: 1772, Start Num: 6

Candidate Starts for Amavida_5:

(Start: 3 @2017 has 1 MA's), (5, 1999), (Start: 6 @1975 has 5 MA's), (8, 1945), (9, 1933), (11, 1822), (13, 1813), (14, 1810), (15, 1792),

Gene: Amigo_6 Start: 2012, Stop: 1773, Start Num: 4

Candidate Starts for Amigo_6:

(1, 2033), (Start: 4 @2012 has 1 MA's), (Start: 6 @1976 has 5 MA's), (8, 1946), (9, 1934), (11, 1823), (13, 1814), (14, 1811), (15, 1793),

Gene: Anansi_6 Start: 2026, Stop: 1778, Start Num: 2

Candidate Starts for Anansi_6:

(1, 2038), (Start: 2 @2026 has 3 MA's), (Start: 4 @2017 has 1 MA's), (Start: 6 @1981 has 5 MA's), (8, 1951), (9, 1939), (11, 1828), (13, 1819), (14, 1816), (15, 1798),

Gene: Boersma_6 Start: 1976, Stop: 1773, Start Num: 6

Candidate Starts for Boersma_6:

(1, 2033), (Start: 4 @2012 has 1 MA's), (Start: 6 @1976 has 5 MA's), (8, 1946), (9, 1934), (11, 1823), (13, 1814), (14, 1811), (15, 1793),

Gene: Gorgeous_6 Start: 2026, Stop: 1778, Start Num: 2

Candidate Starts for Gorgeous_6:

(1, 2038), (Start: 2 @2026 has 3 MA's), (Start: 4 @2017 has 1 MA's), (Start: 6 @1981 has 5 MA's), (8, 1951), (9, 1939), (11, 1828), (13, 1819), (14, 1816), (15, 1798),

Gene: Heylee_5 Start: 1975, Stop: 1772, Start Num: 6

Candidate Starts for Heylee_5:

(Start: 3 @2017 has 1 MA's), (5, 1999), (Start: 6 @1975 has 5 MA's), (8, 1945), (9, 1933), (11, 1822), (13, 1813), (14, 1810), (15, 1792),

Gene: Ichor_6 Start: 1976, Stop: 1773, Start Num: 6

Candidate Starts for Ichor_6:

(1, 2033), (Start: 4 @2012 has 1 MA's), (Start: 6 @1976 has 5 MA's), (8, 1946), (9, 1934), (11, 1823), (13, 1814), (14, 1811), (15, 1793),

Gene: Jaek_6 Start: 1976, Stop: 1773, Start Num: 6

Candidate Starts for Jaek_6:

(1, 2033), (Start: 4 @2012 has 1 MA's), (Start: 6 @1976 has 5 MA's), (8, 1946), (9, 1934), (11, 1823), (13, 1814), (14, 1811), (15, 1793),

Gene: Molivia_5 Start: 1872, Stop: 1675, Start Num: 7

Candidate Starts for Molivia_5:

(Start: 7 @1872 has 1 MA's), (8, 1857), (9, 1845), (10, 1833), (12, 1722), (15, 1695),

Gene: Rings_6 Start: 2022, Stop: 1777, Start Num: 3

Candidate Starts for Rings_6:

(Start: 3 @2022 has 1 MA's), (5, 2004), (Start: 6 @1980 has 5 MA's), (8, 1950), (9, 1938), (11, 1827), (13, 1818), (14, 1815), (15, 1797),

Gene: SorJuana_6 Start: 2026, Stop: 1778, Start Num: 2

Candidate Starts for SorJuana_6:

(1, 2038), (Start: 2 @2026 has 3 MA's), (Start: 4 @2017 has 1 MA's), (Start: 6 @1981 has 5 MA's), (8, 1951), (9, 1939), (11, 1828), (13, 1819), (14, 1816), (15, 1798),

Gene: Thunderclap_6 Start: 1976, Stop: 1773, Start Num: 6

Candidate Starts for Thunderclap_6:

(1, 2033), (Start: 4 @2012 has 1 MA's), (Start: 6 @1976 has 5 MA's), (8, 1946), (9, 1934), (11, 1823), (13, 1814), (14, 1811), (15, 1793),

Gene: Yeezus_6 Start: 1975, Stop: 1772, Start Num: 6

Candidate Starts for Yeezus_6:

(1, 2032), (Start: 4 @2011 has 1 MA's), (Start: 6 @1975 has 5 MA's), (8, 1945), (9, 1933), (11, 1822), (13, 1813), (14, 1810), (15, 1792),