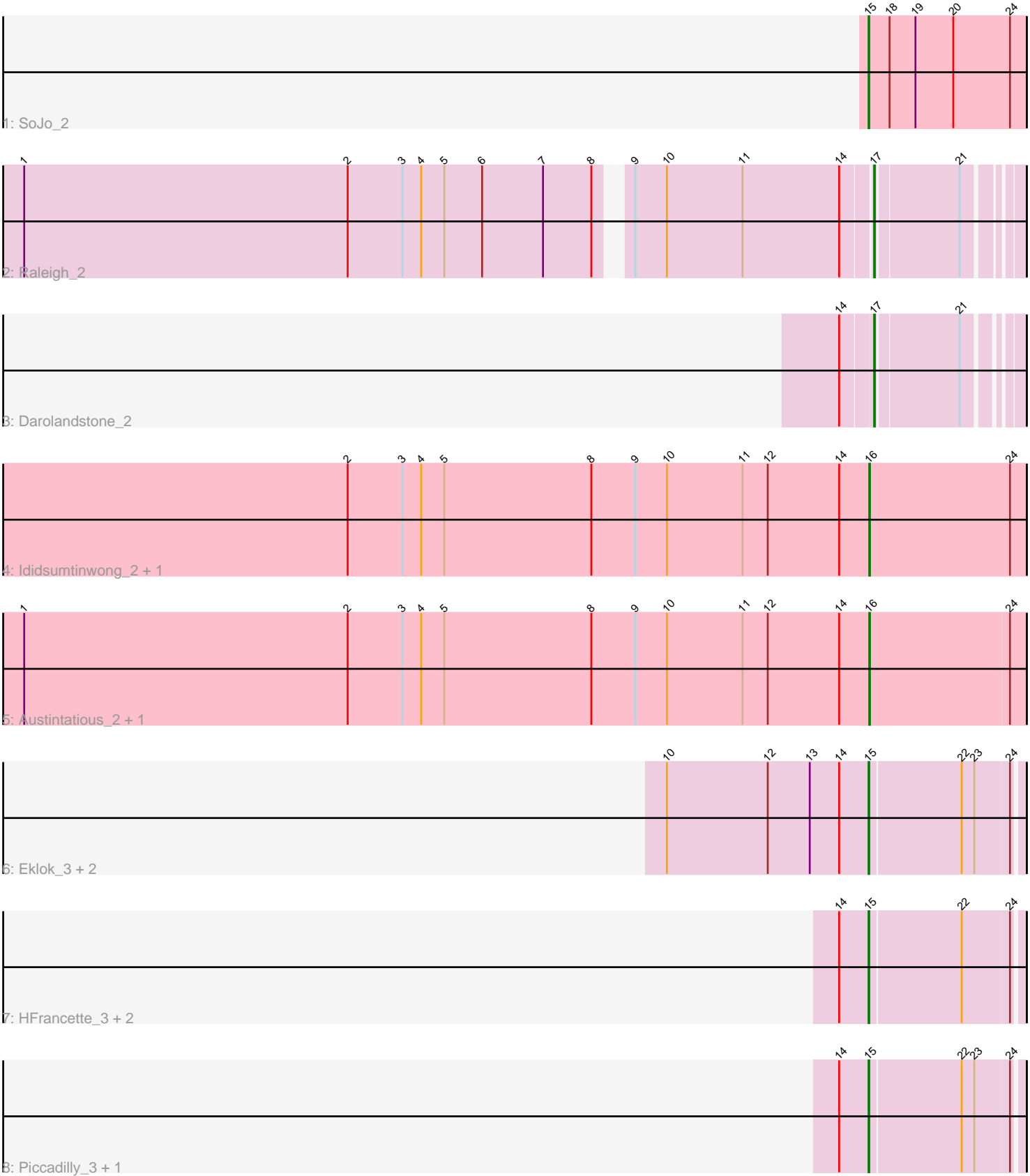


Pham 87022



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 87022 Report

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

Pham number 87022 has 15 members, 0 are drafts.

Phages represented in each track:

- Track 1 : SoJo_2
- Track 2 : Raleigh_2
- Track 3 : Darolandstone_2
- Track 4 : Ididsumtinwong_2, Bioscum_2
- Track 5 : Austintatious_2, PapayaSalad_2
- Track 6 : Eklok_3, Eastland_3, AxeJC_3
- Track 7 : HFrancette_3, Vondra_3, Ignacio_3
- Track 8 : Piccadilly_3, Cumberbatch_3

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

The start number called the most often in the published annotations is 15, it was called in 9 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AxeJC_3, Cumberbatch_3, Eastland_3, Eklok_3, HFrancette_3, Ignacio_3, Piccadilly_3, SoJo_2, Vondra_3,

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

-

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

- Austintatious_2, Bioscum_2, Darolandstone_2, Ididsumtinwong_2, PapayaSalad_2, Raleigh_2,

Summary by start number:

Start 15:

- Found in 9 of 15 (60.0%) of genes in pham
- Manual Annotations of this start: 9 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AxeJC_3 (BP), Cumberbatch_3 (BP), Eastland_3 (BP), Eklok_3 (BP), HFrancette_3 (BP), Ignacio_3 (BP), Piccadilly_3 (BP), SoJo_2 (BC1), Vondra_3 (BP),

Start 16:

- Found in 4 of 15 (26.7%) of genes in pham
- Manual Annotations of this start: 4 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Austintatious_2 (BC3), Bioscum_2 (BC3), Ididsumtinwong_2 (BC3), PapayaSalad_2 (BC3),

Start 17:

- Found in 2 of 15 (13.3%) of genes in pham
- Manual Annotations of this start: 2 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Darolandstone_2 (BC2), Raleigh_2 (BC2),

Summary by clusters:

There are 4 clusters represented in this pham: BP, BC1, BC2, BC3,

Info for manual annotations of cluster BC1:

- Start number 15 was manually annotated 1 time for cluster BC1.

Info for manual annotations of cluster BC2:

- Start number 17 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BC3:

- Start number 16 was manually annotated 4 times for cluster BC3.

Info for manual annotations of cluster BP:

- Start number 15 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: Austintatious_2 Start: 1284, Stop: 1505, Start Num: 16

Candidate Starts for Austintatious_2:

(1, 78), (2, 540), (3, 618), (4, 645), (5, 678), (8, 888), (9, 951), (10, 996), (11, 1104), (12, 1140), (14, 1242), (Start: 16 @1284 has 4 MA's), (24, 1482),

Gene: AxeJC_3 Start: 1795, Stop: 2001, Start Num: 15

Candidate Starts for AxeJC_3:

(10, 1507), (12, 1651), (13, 1711), (14, 1753), (Start: 15 @1795 has 9 MA's), (22, 1921), (23, 1939), (24, 1987),

Gene: Bioscum_2 Start: 1284, Stop: 1508, Start Num: 16

Candidate Starts for Bioscum_2:

(2, 540), (3, 618), (4, 645), (5, 678), (8, 888), (9, 951), (10, 996), (11, 1104), (12, 1140), (14, 1242), (Start: 16 @1284 has 4 MA's), (24, 1485),

Gene: Cumberbatch_3 Start: 1788, Stop: 1994, Start Num: 15

Candidate Starts for Cumberbatch_3:

(14, 1746), (Start: 15 @1788 has 9 MA's), (22, 1914), (23, 1932), (24, 1980),

Gene: Darolandstone_2 Start: 1251, Stop: 1427, Start Num: 17

Candidate Starts for Darolandstone_2:

(14, 1209), (Start: 17 @1251 has 2 MA's), (21, 1362),

Gene: Eastland_3 Start: 1789, Stop: 1995, Start Num: 15

Candidate Starts for Eastland_3:

(10, 1501), (12, 1645), (13, 1705), (14, 1747), (Start: 15 @1789 has 9 MA's), (22, 1915), (23, 1933), (24, 1981),

Gene: Eklok_3 Start: 1795, Stop: 2001, Start Num: 15

Candidate Starts for Eklok_3:

(10, 1507), (12, 1651), (13, 1711), (14, 1753), (Start: 15 @1795 has 9 MA's), (22, 1921), (23, 1939), (24, 1987),

Gene: HFrancette_3 Start: 1788, Stop: 1994, Start Num: 15

Candidate Starts for HFrancette_3:

(14, 1746), (Start: 15 @1788 has 9 MA's), (22, 1914), (24, 1980),

Gene: Ididsumtinwong_2 Start: 1284, Stop: 1508, Start Num: 16

Candidate Starts for Ididsumtinwong_2:

(2, 540), (3, 618), (4, 645), (5, 678), (8, 888), (9, 951), (10, 996), (11, 1104), (12, 1140), (14, 1242), (Start: 16 @1284 has 4 MA's), (24, 1485),

Gene: Ignacio_3 Start: 1788, Stop: 1994, Start Num: 15

Candidate Starts for Ignacio_3:

(14, 1746), (Start: 15 @1788 has 9 MA's), (22, 1914), (24, 1980),

Gene: PapayaSalad_2 Start: 1284, Stop: 1505, Start Num: 16

Candidate Starts for PapayaSalad_2:

(1, 78), (2, 540), (3, 618), (4, 645), (5, 678), (8, 888), (9, 951), (10, 996), (11, 1104), (12, 1140), (14, 1242), (Start: 16 @1284 has 4 MA's), (24, 1482),

Gene: Piccadilly_3 Start: 1788, Stop: 1994, Start Num: 15

Candidate Starts for Piccadilly_3:

(14, 1746), (Start: 15 @1788 has 9 MA's), (22, 1914), (23, 1932), (24, 1980),

Gene: Raleigh_2 Start: 1248, Stop: 1427, Start Num: 17

Candidate Starts for Raleigh_2:

(1, 78), (2, 540), (3, 618), (4, 645), (5, 678), (6, 732), (7, 819), (8, 888), (9, 918), (10, 963), (11, 1071), (14, 1209), (Start: 17 @1248 has 2 MA's), (21, 1359),

Gene: SoJo_2 Start: 1285, Stop: 1509, Start Num: 15

Candidate Starts for SoJo_2:

(Start: 15 @1285 has 9 MA's), (18, 1315), (19, 1351), (20, 1405), (24, 1486),

Gene: Vondra_3 Start: 1788, Stop: 1994, Start Num: 15

Candidate Starts for Vondra_3:

(14, 1746), (Start: 15 @1788 has 9 MA's), (22, 1914), (24, 1980),