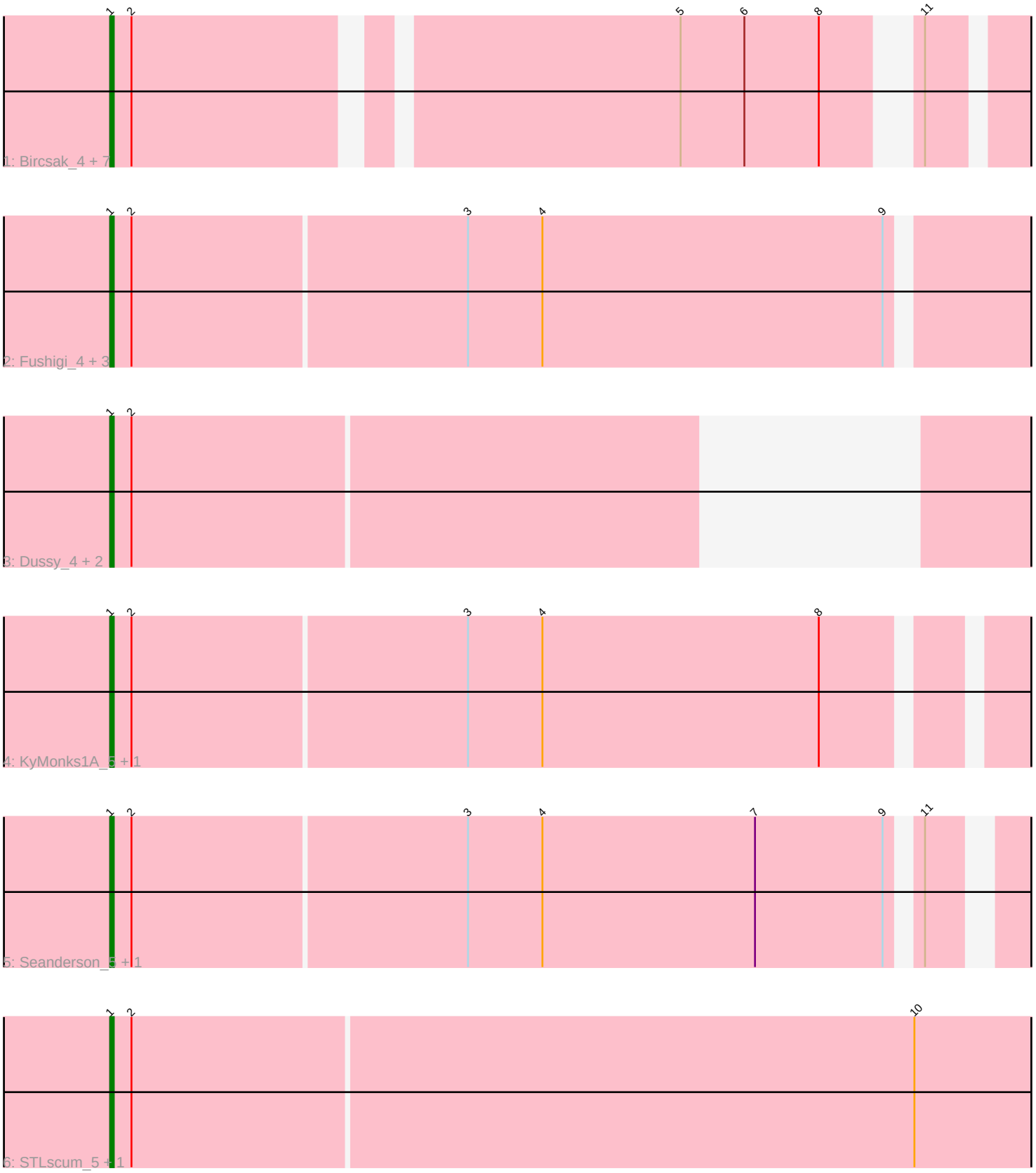
Pham 200608


1
2
5
6
8
11
1: Bircsak_4 + 7
1
2
3
4
9
2: Fushigi_4 + 3
1
2
3: Dussy_4 + 2
1
2
3
4
8
4: KyMonks1A_5 + 1
1
2
3
4
7
9
11
5: Seanderson_5 + 1
1
2
10
6: STLscum_5 + 1

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 200608 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200608 has 21 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bircsak_4, ConceptII_4, Francis47_4, Hermia_5, Gompeii16_4, Agaliana_4, Scowl_5, PacerPaul_4
• Track 2 : Fushigi_4, Sandaddy_3, Sorpresa_4, Pelly_5
• Track 3 : Dussy_4, Kenmech_4, Abbyshoes_4
• Track 4 : KyMonks1A_5, Makemake_4
• Track 5 : Seanderson_5, Cueylyss_4
• Track 6 : STLscum_5, Norz_4

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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abbyshoes_4, Agaliana_4, Bircsak_4, ConceptII_4, Cueylyss_4, Dussy_4, Francis47_4, Fushigi_4, Gompeii16_4, Hermia_5, Kenmech_4, KyMonks1A_5, Makemake_4, Norz_4, PacerPaul_4, Pelly_5, STLscum_5, Sandaddy_3, Scowl_5, Seanderson_5, Sorpresa_4,

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 21 of 21 (100.0%) of genes in pham
• Manual Annotations of this start: 19 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abbyshoes_4 (A1), Agaliana_4 (A1), Bircsak_4 (A1), ConceptII_4 (A1), Cueylyss_4 (A1), Dussy_4 (A1), Francis47_4 (A1), Fushigi_4 (A1), Gompeii16_4 (A1), Hermia_5 (A1), Kenmech_4 (A1), KyMonks1A_5

(A1), Makemake_4 (A1), Norz_4 (A1), PacerPaul_4 (A1), Pelly_5 (A1), STLscum_5 (A1), Sandaddy_3 (A1), Scowl_5 (A1), Seanderson_5 (A1), Sorpresa_4 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 19 times for cluster A1.

Gene Information:

Gene: Abbyshoes_4 Start: 1636, Stop: 1863, Start Num: 1
Candidate Starts for Abbyshoes_4:
(Start: 1 @1636 has 19 MA's), (2, 1642),

Gene: Agaliana_4 Start: 1778, Stop: 2029, Start Num: 1
Candidate Starts for Agaliana_4:
(Start: 1 @1778 has 19 MA's), (2, 1784), (5, 1925), (6, 1943), (8, 1964), (11, 1982),

Gene: Bircsak_4 Start: 1896, Stop: 2147, Start Num: 1
Candidate Starts for Bircsak_4:
(Start: 1 @1896 has 19 MA's), (2, 1902), (5, 2043), (6, 2061), (8, 2082), (11, 2100),

Gene: ConceptII_4 Start: 1948, Stop: 2199, Start Num: 1
Candidate Starts for ConceptII_4:
(Start: 1 @1948 has 19 MA's), (2, 1954), (5, 2095), (6, 2113), (8, 2134), (11, 2152),

Gene: Cueylyss_4 Start: 1736, Stop: 2011, Start Num: 1
Candidate Starts for Cueylyss_4:
(Start: 1 @1736 has 19 MA's), (2, 1742), (3, 1835), (4, 1856), (7, 1916), (9, 1952), (11, 1958),

Gene: Dussy_4 Start: 1636, Stop: 1863, Start Num: 1
Candidate Starts for Dussy_4:
(Start: 1 @1636 has 19 MA's), (2, 1642),

Gene: Francis47_4 Start: 1896, Stop: 2147, Start Num: 1
Candidate Starts for Francis47_4:
(Start: 1 @1896 has 19 MA's), (2, 1902), (5, 2043), (6, 2061), (8, 2082), (11, 2100),

Gene: Fushigi_4 Start: 1634, Stop: 1918, Start Num: 1
Candidate Starts for Fushigi_4:
(Start: 1 @1634 has 19 MA's), (2, 1640), (3, 1733), (4, 1754), (9, 1850),

Gene: Gompeii16_4 Start: 1896, Stop: 2147, Start Num: 1
Candidate Starts for Gompeii16_4:
(Start: 1 @1896 has 19 MA's), (2, 1902), (5, 2043), (6, 2061), (8, 2082), (11, 2100),

Gene: Hermia_5 Start: 1863, Stop: 2114, Start Num: 1
Candidate Starts for Hermia_5:
(Start: 1 @1863 has 19 MA's), (2, 1869), (5, 2010), (6, 2028), (8, 2049), (11, 2067),

Gene: Kenmech_4 Start: 1636, Stop: 1863, Start Num: 1
Candidate Starts for Kenmech_4:
(Start: 1 @1636 has 19 MA's), (2, 1642),

Gene: KyMonks1A_5 Start: 1906, Stop: 2184, Start Num: 1
Candidate Starts for KyMonks1A_5:
(Start: 1 @1906 has 19 MA's), (2, 1912), (3, 2005), (4, 2026), (8, 2104),

Gene: Makemake_4 Start: 1942, Stop: 2220, Start Num: 1
Candidate Starts for Makemake_4:
(Start: 1 @1942 has 19 MA's), (2, 1948), (3, 2041), (4, 2062), (8, 2140),

Gene: Norz_4 Start: 1624, Stop: 1914, Start Num: 1
Candidate Starts for Norz_4:
(Start: 1 @1624 has 19 MA's), (2, 1630), (10, 1849),

Gene: PacerPaul_4 Start: 1896, Stop: 2147, Start Num: 1
Candidate Starts for PacerPaul_4:
(Start: 1 @1896 has 19 MA's), (2, 1902), (5, 2043), (6, 2061), (8, 2082), (11, 2100),

Gene: Pelly_5 Start: 2044, Stop: 2322, Start Num: 1
Candidate Starts for Pelly_5:
(Start: 1 @2044 has 19 MA's), (2, 2050), (3, 2143), (4, 2164), (9, 2260),

Gene: STLscum_5 Start: 1899, Stop: 2189, Start Num: 1
Candidate Starts for STLscum_5:
(Start: 1 @1899 has 19 MA's), (2, 1905), (10, 2124),

Gene: Sandaddy_3 Start: 1712, Stop: 1990, Start Num: 1
Candidate Starts for Sandaddy_3:
(Start: 1 @1712 has 19 MA's), (2, 1718), (3, 1811), (4, 1832), (9, 1928),

Gene: Scowl_5 Start: 2239, Stop: 2490, Start Num: 1
Candidate Starts for Scowl_5:
(Start: 1 @2239 has 19 MA's), (2, 2245), (5, 2386), (6, 2404), (8, 2425), (11, 2443),

Gene: Seanderson_5 Start: 2160, Stop: 2435, Start Num: 1
Candidate Starts for Seanderson_5:
(Start: 1 @2160 has 19 MA's), (2, 2166), (3, 2259), (4, 2280), (7, 2340), (9, 2376), (11, 2382),

Gene: Sorpresa_4 Start: 1712, Stop: 1990, Start Num: 1
Candidate Starts for Sorpresa_4:
(Start: 1 @1712 has 19 MA's), (2, 1718), (3, 1811), (4, 1832), (9, 1928),