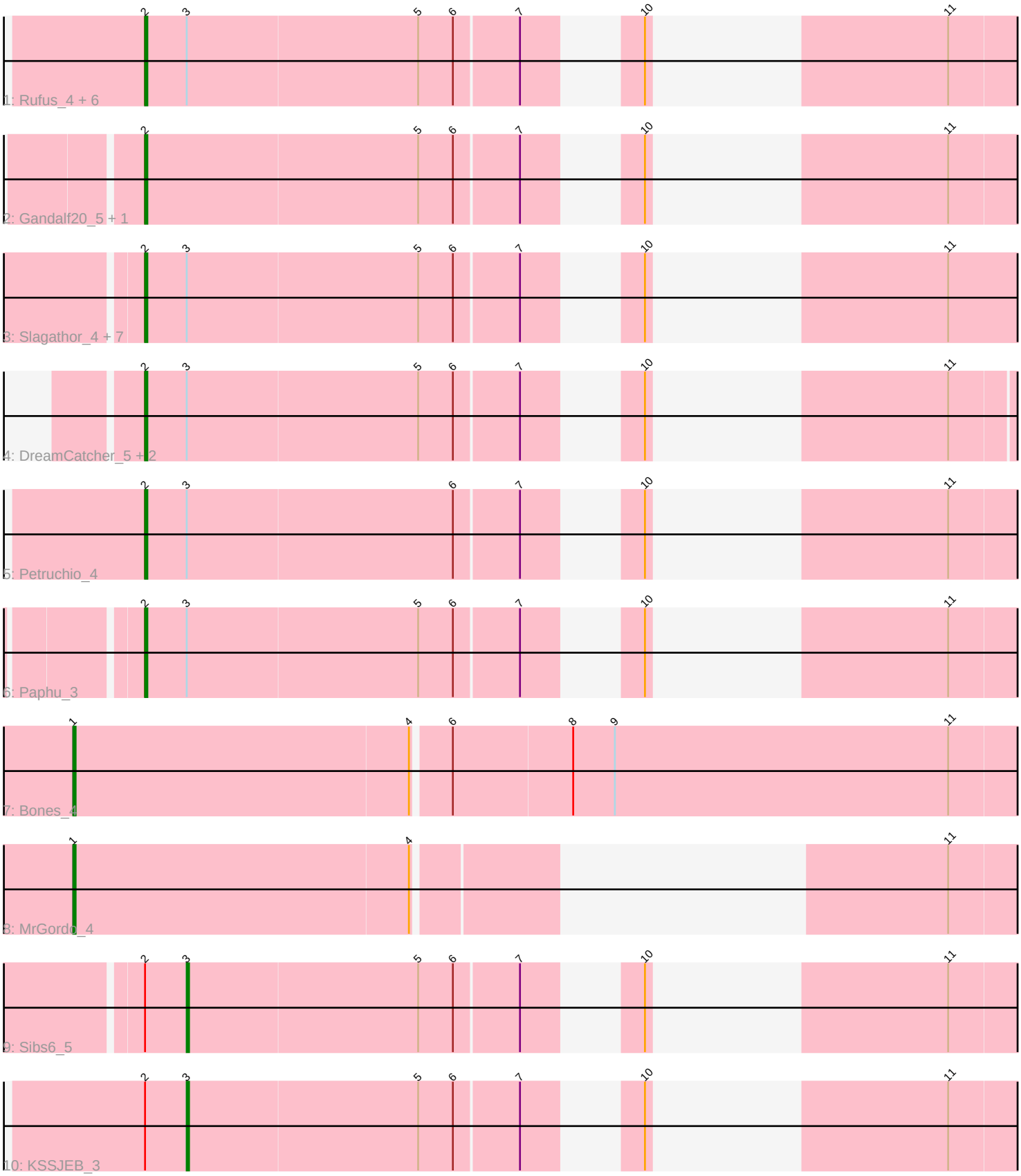
Pham 342480


1: Rufus_4 + 6
2: Gandalf20_5 + 1
3: Slagathor_4 + 7
4: DreamCatcher_5 + 2
5: Petruchio_4
6: Paphu_3
7: Bones_4
8: MrGordo_4
9: Sibs6_5
10: KSSJEB_3

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 342480 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342480 has 26 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rufus_4, Burton_4, Acme_5, Fajezeel_5, Pippin_5, MilleFeuille_3, Greg_5
• Track 2 : Gandalf20_5, Zephyr_4
• Track 3 : Slagathor_4, RidgeCB_4, Museum_5, Arcanine_4, Rubeus_4, Ohno789_3, NEHalo_4, Molly_5
• Track 4 : DreamCatcher_5, PattyP_5, Atkinbua_4
• Track 5 : Petruchio_4
• Track 6 : Paphu_3
• Track 7 : Bones_4
• Track 8 : MrGordo_4
• Track 9 : Sibs6_5
• Track 10 : KSSJEB_3

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

The start number called the most often in the published annotations is 2, it was called in 22 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acme_5, Arcanine_4, Atkinbua_4, Burton_4, DreamCatcher_5, Fajezeel_5, Gandalf20_5, Greg_5, MilleFeuille_3, Molly_5, Museum_5, NEHalo_4, Ohno789_3, Paphu_3, PattyP_5, Petruchio_4, Pippin_5, RidgeCB_4, Rubeus_4, Rufus_4, Slagathor_4, Zephyr_4,

Genes that have the "Most Annotated" start but do not call it:
• KSSJEB_3, Sibs6_5,

Genes that do not have the "Most Annotated" start:
• Bones_4, MrGordo_4,

Summary by start number:

Start 1:
• Found in 2 of 26 (7.7%) of genes in pham
• Manual Annotations of this start: 2 of 26

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bones_4 (A1), MrGordo_4 (A1),

Start 2:
• Found in 24 of 26 (92.3%) of genes in pham
• Manual Annotations of this start: 22 of 26
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Acme_5 (A1), Arcanine_4 (A1), Atkinbua_4 (A1), Burton_4 (A1), DreamCatcher_5 (A1), Fajezeel_5 (A1), Gandalf20_5 (A1), Greg_5 (A1), MilleFeuille_3 (A1), Molly_5 (A1), Museum_5 (A1), NEHalo_4 (A1), Ohno789_3 (A1), Paphu_3 (A1), PattyP_5 (A1), Petruchio_4 (A1), Pippin_5 (A1), RidgeCB_4 (A1), Rubeus_4 (A1), Rufus_4 (A1), Slagathor_4 (A1), Zephyr_4 (A1),

Start 3:
• Found in 22 of 26 (84.6%) of genes in pham
• Manual Annotations of this start: 2 of 26
• Called 9.1% of time when present
• Phage (with cluster) where this start called: KSSJEB_3 (A1), Sibs6_5 (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 2 times for cluster A1.
•Start number 2 was manually annotated 22 times for cluster A1.
•Start number 3 was manually annotated 2 times for cluster A1.

Gene Information:

Gene: Acme_5 Start: 1765, Stop: 2055, Start Num: 2
Candidate Starts for Acme_5:
(Start: 2 @1765 has 22 MA's), (Start: 3 @1783 has 2 MA's), (5, 1882), (6, 1897), (7, 1924), (10, 1951), (11, 2017),

Gene: Arcanine_4 Start: 1541, Stop: 1852, Start Num: 2
Candidate Starts for Arcanine_4:
(Start: 2 @1541 has 22 MA's), (Start: 3 @1559 has 2 MA's), (5, 1658), (6, 1673), (7, 1700), (10, 1727), (11, 1793),

Gene: Atkinbua_4 Start: 1586, Stop: 1867, Start Num: 2
Candidate Starts for Atkinbua_4:
(Start: 2 @1586 has 22 MA's), (Start: 3 @1604 has 2 MA's), (5, 1703), (6, 1718), (7, 1745), (10, 1772), (11, 1838),

Gene: Bones_4 Start: 1612, Stop: 2022, Start Num: 1
Candidate Starts for Bones_4:
(Start: 1 @1612 has 2 MA's), (4, 1756), (6, 1771), (8, 1822), (9, 1840), (11, 1984),

Gene: Burton_4 Start: 1600, Stop: 1890, Start Num: 2

Candidate Starts for Burton_4:
(Start: 2 @1600 has 22 MA's), (Start: 3 @1618 has 2 MA's), (5, 1717), (6, 1732), (7, 1759), (10, 1786), (11, 1852),

Gene: DreamCatcher_5 Start: 2315, Stop: 2596, Start Num: 2
Candidate Starts for DreamCatcher_5:
(Start: 2 @2315 has 22 MA's), (Start: 3 @2333 has 2 MA's), (5, 2432), (6, 2447), (7, 2474), (10, 2501), (11, 2567),

Gene: Fajezeel_5 Start: 1733, Stop: 2023, Start Num: 2
Candidate Starts for Fajezeel_5:
(Start: 2 @1733 has 22 MA's), (Start: 3 @1751 has 2 MA's), (5, 1850), (6, 1865), (7, 1892), (10, 1919), (11, 1985),

Gene: Gandalf20_5 Start: 2072, Stop: 2362, Start Num: 2
Candidate Starts for Gandalf20_5:
(Start: 2 @2072 has 22 MA's), (5, 2189), (6, 2204), (7, 2231), (10, 2258), (11, 2324),

Gene: Greg_5 Start: 1733, Stop: 2023, Start Num: 2
Candidate Starts for Greg_5:
(Start: 2 @1733 has 22 MA's), (Start: 3 @1751 has 2 MA's), (5, 1850), (6, 1865), (7, 1892), (10, 1919), (11, 1985),

Gene: KSSJEB_3 Start: 1475, Stop: 1747, Start Num: 3
Candidate Starts for KSSJEB_3:
(Start: 2 @1457 has 22 MA's), (Start: 3 @1475 has 2 MA's), (5, 1574), (6, 1589), (7, 1616), (10, 1643), (11, 1709),

Gene: MilleFeuille_3 Start: 1456, Stop: 1746, Start Num: 2
Candidate Starts for MilleFeuille_3:
(Start: 2 @1456 has 22 MA's), (Start: 3 @1474 has 2 MA's), (5, 1573), (6, 1588), (7, 1615), (10, 1642), (11, 1708),

Gene: Molly_5 Start: 1739, Stop: 2029, Start Num: 2
Candidate Starts for Molly_5:
(Start: 2 @1739 has 22 MA's), (Start: 3 @1757 has 2 MA's), (5, 1856), (6, 1871), (7, 1898), (10, 1925), (11, 1991),

Gene: MrGordo_4 Start: 1713, Stop: 2015, Start Num: 1
Candidate Starts for MrGordo_4:
(Start: 1 @1713 has 2 MA's), (4, 1857), (11, 1977),

Gene: Museum_5 Start: 1539, Stop: 1829, Start Num: 2
Candidate Starts for Museum_5:
(Start: 2 @1539 has 22 MA's), (Start: 3 @1557 has 2 MA's), (5, 1656), (6, 1671), (7, 1698), (10, 1725), (11, 1791),

Gene: NEHalo_4 Start: 1532, Stop: 1843, Start Num: 2
Candidate Starts for NEHalo_4:
(Start: 2 @1532 has 22 MA's), (Start: 3 @1550 has 2 MA's), (5, 1649), (6, 1664), (7, 1691), (10, 1718), (11, 1784),

Gene: Ohno789_3 Start: 1382, Stop: 1672, Start Num: 2

Candidate Starts for Ohno789_3:
(Start: 2 @1382 has 22 MA's), (Start: 3 @1400 has 2 MA's), (5, 1499), (6, 1514), (7, 1541), (10, 1568), (11, 1634),

Gene: Paphu_3 Start: 1419, Stop: 1709, Start Num: 2
Candidate Starts for Paphu_3:
(Start: 2 @1419 has 22 MA's), (Start: 3 @1437 has 2 MA's), (5, 1536), (6, 1551), (7, 1578), (10, 1605), (11, 1671),

Gene: PattyP_5 Start: 1734, Stop: 2024, Start Num: 2
Candidate Starts for PattyP_5:
(Start: 2 @1734 has 22 MA's), (Start: 3 @1752 has 2 MA's), (5, 1851), (6, 1866), (7, 1893), (10, 1920), (11, 1986),

Gene: Petruchio_4 Start: 1593, Stop: 1883, Start Num: 2
Candidate Starts for Petruchio_4:
(Start: 2 @1593 has 22 MA's), (Start: 3 @1611 has 2 MA's), (6, 1725), (7, 1752), (10, 1779), (11, 1845),

Gene: Pippin_5 Start: 1733, Stop: 2023, Start Num: 2
Candidate Starts for Pippin_5:
(Start: 2 @1733 has 22 MA's), (Start: 3 @1751 has 2 MA's), (5, 1850), (6, 1865), (7, 1892), (10, 1919), (11, 1985),

Gene: RidgeCB_4 Start: 1539, Stop: 1829, Start Num: 2
Candidate Starts for RidgeCB_4:
(Start: 2 @1539 has 22 MA's), (Start: 3 @1557 has 2 MA's), (5, 1656), (6, 1671), (7, 1698), (10, 1725), (11, 1791),

Gene: Rubeus_4 Start: 1539, Stop: 1850, Start Num: 2
Candidate Starts for Rubeus_4:
(Start: 2 @1539 has 22 MA's), (Start: 3 @1557 has 2 MA's), (5, 1656), (6, 1671), (7, 1698), (10, 1725), (11, 1791),

Gene: Rufus_4 Start: 1597, Stop: 1887, Start Num: 2
Candidate Starts for Rufus_4:
(Start: 2 @1597 has 22 MA's), (Start: 3 @1615 has 2 MA's), (5, 1714), (6, 1729), (7, 1756), (10, 1783), (11, 1849),

Gene: Sibs6_5 Start: 1751, Stop: 2023, Start Num: 3
Candidate Starts for Sibs6_5:
(Start: 2 @1733 has 22 MA's), (Start: 3 @1751 has 2 MA's), (5, 1850), (6, 1865), (7, 1892), (10, 1919), (11, 1985),

Gene: Slagathor_4 Start: 1541, Stop: 1852, Start Num: 2
Candidate Starts for Slagathor_4:
(Start: 2 @1541 has 22 MA's), (Start: 3 @1559 has 2 MA's), (5, 1658), (6, 1673), (7, 1700), (10, 1727), (11, 1793),

Gene: Zephyr_4 Start: 1827, Stop: 2117, Start Num: 2
Candidate Starts for Zephyr_4:
(Start: 2 @1827 has 22 MA's), (5, 1944), (6, 1959), (7, 1986), (10, 2013), (11, 2079),