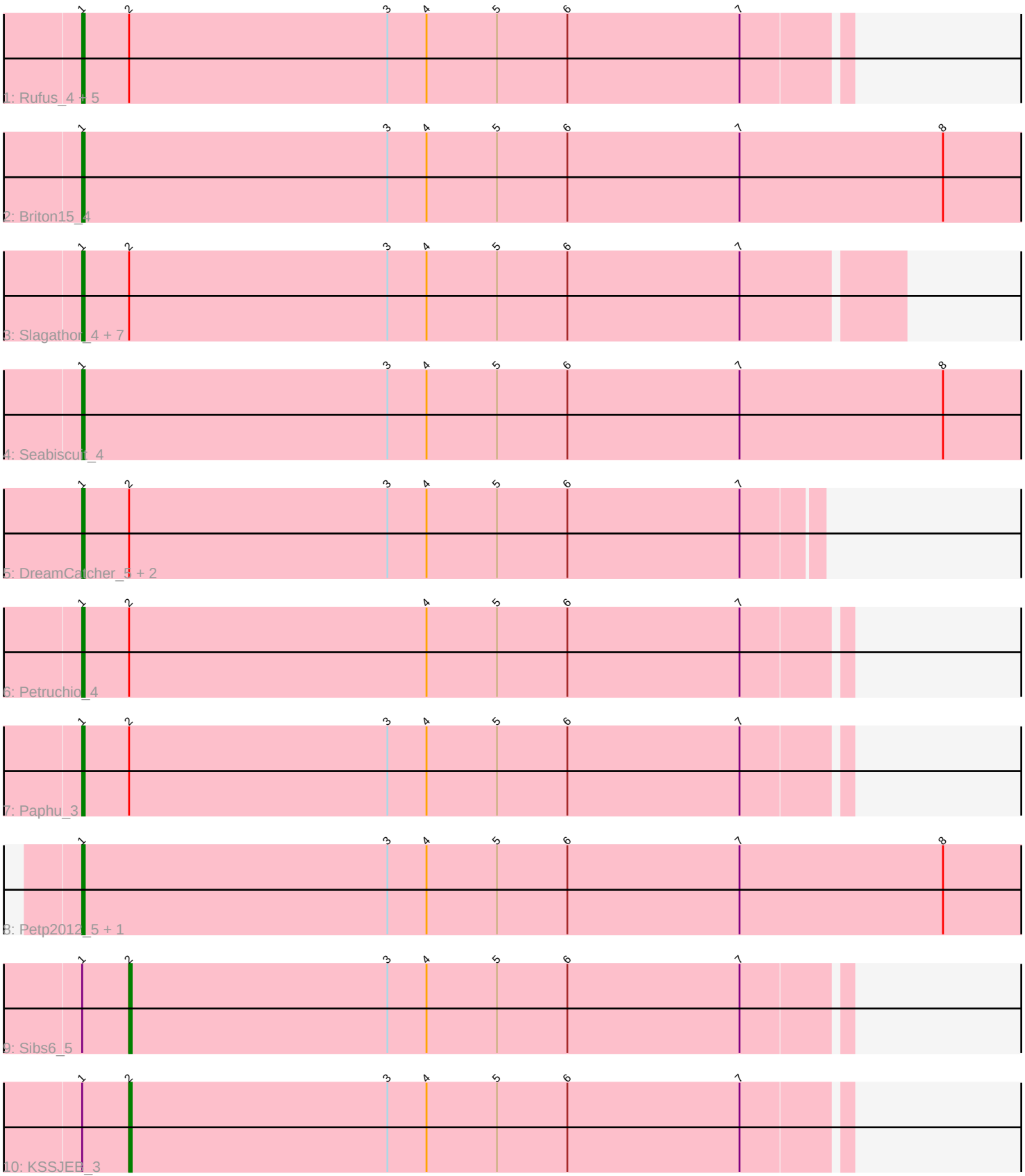
Pham 291480


1
2
3
4
5
6
7
8
1: Rufus_4 + 5
2: Briton15_4
3: Slagathon_4 + 7
4: Seabiscuit_4
5: DreamCatcher_5 + 2
6: Petruchio_4
7: Paphu_3
8: Petp2012_5 + 1
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 291480 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291480 has 25 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rufus_4, Burton_4, Acme_5, Fajezeel_5, Pippin_5, Greg_5
• Track 2 : Briton15_4
• Track 3 : Slagathor_4, RidgeCB_4, Museum_5, Arcanine_4, Rubeus_4, Ohno789_3, NEHalo_4, Molly_5
• Track 4 : Seabiscuit_4
• Track 5 : DreamCatcher_5, PattyP_5, Atkinbua_4
• Track 6 : Petruchio_4
• Track 7 : Paphu_3
• Track 8 : Petp2012_5, HermioneGrange_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 1, it was called in 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acme_5, Arcanine_4, Atkinbua_4, Briton15_4, Burton_4, DreamCatcher_5, Fajezeel_5, Greg_5, HermioneGrange_4, Molly_5, Museum_5, NEHalo_4, Ohno789_3, Paphu_3, PattyP_5, Petp2012_5, Petruchio_4, Pippin_5, RidgeCB_4, Rubeus_4, Rufus_4, Seabiscuit_4, Slagathor_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:
•

Summary by start number:

Start 1:
• Found in 25 of 25 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 25

• Called 92.0% of time when present
• Phage (with cluster) where this start called: Acme_5 (A1), Arcanine_4 (A1), Atkinbua_4 (A1), Briton15_4 (A1), Burton_4 (A1), DreamCatcher_5 (A1), Fajezeel_5 (A1), Greg_5 (A1), HermioneGrange_4 (A1), Molly_5 (A1), Museum_5 (A1), NEHalo_4 (A1), Ohno789_3 (A1), Paphu_3 (A1), PattyP_5 (A1), Petp2012_5 (A1), Petruchio_4 (A1), Pippin_5 (A1), RidgeCB_4 (A1), Rubeus_4 (A1), Rufus_4 (A1), Seabiscuit_4 (A1), Slagathor_4 (A1),

Start 2:
• Found in 21 of 25 (84.0%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 9.5% 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 23 times for cluster A1.
•Start number 2 was manually annotated 2 times for cluster A1.

Gene Information:

Gene: Acme_5 Start: 1765, Stop: 2055, Start Num: 1
Candidate Starts for Acme_5:
(Start: 1 @1765 has 23 MA's), (Start: 2 @1783 has 2 MA's), (3, 1882), (4, 1897), (5, 1924), (6, 1951), (7, 2017),

Gene: Arcanine_4 Start: 1541, Stop: 1852, Start Num: 1
Candidate Starts for Arcanine_4:
(Start: 1 @1541 has 23 MA's), (Start: 2 @1559 has 2 MA's), (3, 1658), (4, 1673), (5, 1700), (6, 1727), (7, 1793),

Gene: Atkinbua_4 Start: 1586, Stop: 1867, Start Num: 1
Candidate Starts for Atkinbua_4:
(Start: 1 @1586 has 23 MA's), (Start: 2 @1604 has 2 MA's), (3, 1703), (4, 1718), (5, 1745), (6, 1772), (7, 1838),

Gene: Briton15_4 Start: 1591, Stop: 1959, Start Num: 1
Candidate Starts for Briton15_4:
(Start: 1 @1591 has 23 MA's), (3, 1708), (4, 1723), (5, 1750), (6, 1777), (7, 1843), (8, 1921),

Gene: Burton_4 Start: 1600, Stop: 1890, Start Num: 1
Candidate Starts for Burton_4:
(Start: 1 @1600 has 23 MA's), (Start: 2 @1618 has 2 MA's), (3, 1717), (4, 1732), (5, 1759), (6, 1786), (7, 1852),

Gene: DreamCatcher_5 Start: 2315, Stop: 2596, Start Num: 1
Candidate Starts for DreamCatcher_5:

(Start: 1 @2315 has 23 MA's), (Start: 2 @2333 has 2 MA's), (3, 2432), (4, 2447), (5, 2474), (6, 2501), (7, 2567),

Gene: Fajezeel_5 Start: 1733, Stop: 2023, Start Num: 1
Candidate Starts for Fajezeel_5:
(Start: 1 @1733 has 23 MA's), (Start: 2 @1751 has 2 MA's), (3, 1850), (4, 1865), (5, 1892), (6, 1919), (7, 1985),

Gene: Greg_5 Start: 1733, Stop: 2023, Start Num: 1
Candidate Starts for Greg_5:
(Start: 1 @1733 has 23 MA's), (Start: 2 @1751 has 2 MA's), (3, 1850), (4, 1865), (5, 1892), (6, 1919), (7, 1985),

Gene: HermioneGrange_4 Start: 1541, Stop: 1909, Start Num: 1
Candidate Starts for HermioneGrange_4:
(Start: 1 @1541 has 23 MA's), (3, 1658), (4, 1673), (5, 1700), (6, 1727), (7, 1793), (8, 1871),

Gene: KSSJEB_3 Start: 1475, Stop: 1747, Start Num: 2
Candidate Starts for KSSJEB_3:
(Start: 1 @1457 has 23 MA's), (Start: 2 @1475 has 2 MA's), (3, 1574), (4, 1589), (5, 1616), (6, 1643), (7, 1709),

Gene: Molly_5 Start: 1739, Stop: 2029, Start Num: 1
Candidate Starts for Molly_5:
(Start: 1 @1739 has 23 MA's), (Start: 2 @1757 has 2 MA's), (3, 1856), (4, 1871), (5, 1898), (6, 1925), (7, 1991),

Gene: Museum_5 Start: 1539, Stop: 1829, Start Num: 1
Candidate Starts for Museum_5:
(Start: 1 @1539 has 23 MA's), (Start: 2 @1557 has 2 MA's), (3, 1656), (4, 1671), (5, 1698), (6, 1725), (7, 1791),

Gene: NEHalo_4 Start: 1532, Stop: 1843, Start Num: 1
Candidate Starts for NEHalo_4:
(Start: 1 @1532 has 23 MA's), (Start: 2 @1550 has 2 MA's), (3, 1649), (4, 1664), (5, 1691), (6, 1718), (7, 1784),

Gene: Ohno789_3 Start: 1382, Stop: 1672, Start Num: 1
Candidate Starts for Ohno789_3:
(Start: 1 @1382 has 23 MA's), (Start: 2 @1400 has 2 MA's), (3, 1499), (4, 1514), (5, 1541), (6, 1568), (7, 1634),

Gene: Paphu_3 Start: 1419, Stop: 1709, Start Num: 1
Candidate Starts for Paphu_3:
(Start: 1 @1419 has 23 MA's), (Start: 2 @1437 has 2 MA's), (3, 1536), (4, 1551), (5, 1578), (6, 1605), (7, 1671),

Gene: PattyP_5 Start: 1734, Stop: 2024, Start Num: 1
Candidate Starts for PattyP_5:
(Start: 1 @1734 has 23 MA's), (Start: 2 @1752 has 2 MA's), (3, 1851), (4, 1866), (5, 1893), (6, 1920), (7, 1986),

Gene: Petp2012_5 Start: 1742, Stop: 2110, Start Num: 1

Candidate Starts for Petp2012_5:
(Start: 1 @1742 has 23 MA's), (3, 1859), (4, 1874), (5, 1901), (6, 1928), (7, 1994), (8, 2072),

Gene: Petruchio_4 Start: 1593, Stop: 1883, Start Num: 1
Candidate Starts for Petruchio_4:
(Start: 1 @1593 has 23 MA's), (Start: 2 @1611 has 2 MA's), (4, 1725), (5, 1752), (6, 1779), (7, 1845),

Gene: Pippin_5 Start: 1733, Stop: 2023, Start Num: 1
Candidate Starts for Pippin_5:
(Start: 1 @1733 has 23 MA's), (Start: 2 @1751 has 2 MA's), (3, 1850), (4, 1865), (5, 1892), (6, 1919), (7, 1985),

Gene: RidgeCB_4 Start: 1539, Stop: 1829, Start Num: 1
Candidate Starts for RidgeCB_4:
(Start: 1 @1539 has 23 MA's), (Start: 2 @1557 has 2 MA's), (3, 1656), (4, 1671), (5, 1698), (6, 1725), (7, 1791),

Gene: Rubeus_4 Start: 1539, Stop: 1850, Start Num: 1
Candidate Starts for Rubeus_4:
(Start: 1 @1539 has 23 MA's), (Start: 2 @1557 has 2 MA's), (3, 1656), (4, 1671), (5, 1698), (6, 1725), (7, 1791),

Gene: Rufus_4 Start: 1597, Stop: 1887, Start Num: 1
Candidate Starts for Rufus_4:
(Start: 1 @1597 has 23 MA's), (Start: 2 @1615 has 2 MA's), (3, 1714), (4, 1729), (5, 1756), (6, 1783), (7, 1849),

Gene: Seabiscuit_4 Start: 1534, Stop: 1902, Start Num: 1
Candidate Starts for Seabiscuit_4:
(Start: 1 @1534 has 23 MA's), (3, 1651), (4, 1666), (5, 1693), (6, 1720), (7, 1786), (8, 1864),

Gene: Sibs6_5 Start: 1751, Stop: 2023, Start Num: 2
Candidate Starts for Sibs6_5:
(Start: 1 @1733 has 23 MA's), (Start: 2 @1751 has 2 MA's), (3, 1850), (4, 1865), (5, 1892), (6, 1919), (7, 1985),

Gene: Slagathor_4 Start: 1541, Stop: 1852, Start Num: 1
Candidate Starts for Slagathor_4:
(Start: 1 @1541 has 23 MA's), (Start: 2 @1559 has 2 MA's), (3, 1658), (4, 1673), (5, 1700), (6, 1727), (7, 1793),