Pham 6766

1: Rooney_5
2: ShakeNBake_5 + 1
3: Gibson_5
4: Wentworth_5
5: PHTownN_5
6: Dryad_6
7: Wilkos_4

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 6766 Report

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

Pham number 6766 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Rooney_5
• Track 2 : ShakeNBake_5, Lizz_5
• Track 3 : Gibson_5
• Track 4 : Wentworth_5
• Track 5 : PHTowN_5
• Track 6 : Dryad_6
• Track 7 : Wilkos_4

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

The start number called the most often in the published annotations is 20, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Lizz_5, PHTowN_5, Rooney_5, ShakeNBake_5,

Genes that have the "Most Annotated" start but do not call it:
• Gibson_5, Wentworth_5, Wilkos_4,

Genes that do not have the "Most Annotated" start:
• Dryad_6,

Summary by start number:

Start 20:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Lizz_5 (BN), PHTowN_5 (BN), Rooney_5 (BN), ShakeNBake_5 (BN),

Start 22:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 14.3% of time when present
• Phage (with cluster) where this start called: Gibson_5 (BN),

Start 23:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dryad_6 (BN),

Start 24:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Wentworth_5 (BN), Wilkos_4 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 20 was manually annotated 4 times for cluster BN.
•Start number 22 was manually annotated 1 time for cluster BN.
•Start number 23 was manually annotated 1 time for cluster BN.
•Start number 24 was manually annotated 1 time for cluster BN.

Gene Information:

Gene: Dryad_6 Start: 1905, Stop: 2177, Start Num: 23
Candidate Starts for Dryad_6:
(16, 1596), (18, 1734), (19, 1746), (Start: 23 @1905 has 1 MA's), (26, 1935), (31, 2040), (32, 2073), (33, 2076), (34, 2094),

Gene: Gibson_5 Start: 1720, Stop: 1989, Start Num: 22
Candidate Starts for Gibson_5:
(2, 1234), (3, 1246), (4, 1261), (6, 1288), (7, 1294), (8, 1327), (11, 1354), (14, 1444), (17, 1468), (19, 1618), (Start: 20 @1675 has 4 MA's), (21, 1693), (Start: 22 @1720 has 1 MA's), (Start: 24 @1747 has 1 MA's), (25, 1750), (26, 1756), (27, 1813), (28, 1825), (31, 1861),

Gene: Lizz_5 Start: 1685, Stop: 1999, Start Num: 20
Candidate Starts for Lizz_5:
(1, 1250), (2, 1253), (3, 1265), (5, 1304), (6, 1307), (7, 1313), (8, 1346), (9, 1355), (10, 1370), (13, 1457), (14, 1463), (17, 1487), (19, 1628), (Start: 20 @1685 has 4 MA's), (Start: 22 @1730 has 1 MA's), (Start: 24 @1757 has 1 MA's), (26, 1766), (28, 1835), (31, 1871), (33, 1907), (35, 1970),

Gene: PHTowN_5 Start: 1685, Stop: 1999, Start Num: 20
Candidate Starts for PHTowN_5:
(1, 1250), (2, 1253), (3, 1265), (6, 1307), (7, 1313), (8, 1346), (9, 1355), (10, 1370), (13, 1457), (14, 1463), (17, 1487), (19, 1628), (Start: 20 @1685 has 4 MA's), (Start: 22 @1730 has 1 MA's), (Start: 24 @1757 has 1 MA's), (26, 1766), (28, 1835), (31, 1871), (33, 1907), (35, 1970),

Gene: Rooney_5 Start: 1675, Stop: 1989, Start Num: 20

Candidate Starts for Rooney_5:
(2, 1234), (3, 1246), (4, 1261), (6, 1288), (7, 1294), (8, 1327), (11, 1354), (17, 1468), (19, 1618), (Start: 20 @1675 has 4 MA's), (21, 1693), (Start: 22 @1720 has 1 MA's), (Start: 24 @1747 has 1 MA's), (25, 1750), (26, 1756), (27, 1813), (28, 1825), (31, 1861), (33, 1897),

Gene: ShakeNBake_5 Start: 1685, Stop: 1999, Start Num: 20
Candidate Starts for ShakeNBake_5:
(1, 1250), (2, 1253), (3, 1265), (5, 1304), (6, 1307), (7, 1313), (8, 1346), (9, 1355), (10, 1370), (13, 1457), (14, 1463), (17, 1487), (19, 1628), (Start: 20 @1685 has 4 MA's), (Start: 22 @1730 has 1 MA's), (Start: 24 @1757 has 1 MA's), (26, 1766), (28, 1835), (31, 1871), (33, 1907), (35, 1970),

Gene: Wentworth_5 Start: 1479, Stop: 1721, Start Num: 24
Candidate Starts for Wentworth_5:
(12, 1134), (19, 1350), (Start: 20 @1407 has 4 MA's), (21, 1425), (Start: 22 @1452 has 1 MA's), (Start: 24 @1479 has 1 MA's), (25, 1482), (26, 1488), (27, 1545), (28, 1557), (30, 1584), (31, 1593), (33, 1629),

Gene: Wilkos_4 Start: 1739, Stop: 1984, Start Num: 24
Candidate Starts for Wilkos_4:
(15, 1454), (19, 1610), (Start: 20 @1667 has 4 MA's), (21, 1685), (Start: 22 @1712 has 1 MA's), (Start: 24 @1739 has 1 MA's), (25, 1742), (26, 1748), (27, 1805), (28, 1817), (29, 1835), (33, 1889), (36, 1958),