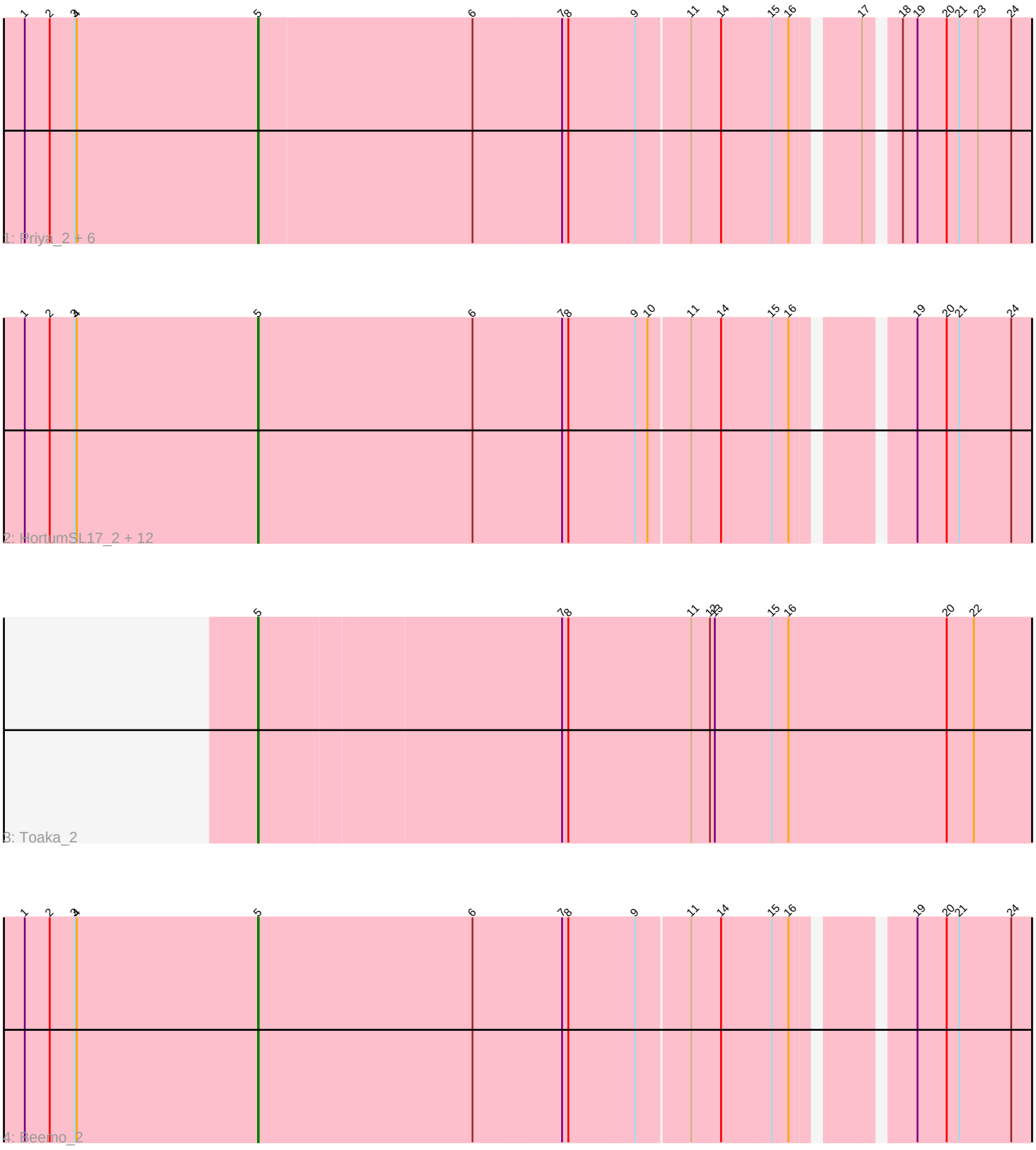
Pham 192779



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 192779 Report

This analysis was run 11/02/24 on database version 579.

Pham number 192779 has 22 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Priya_2, Eidsmoe_2, Qobbit_2, Alma_2, Conquerage_2, Spouty_2, EmyBug_2
• Track 2 : HortumSL17_2, Lilleskat_1, Ugenie5_1, Phaeder_2, Aliter_2, Tubs_2, Scherzo_2, Catalina_2, EdogawaKiddo_1, Sachima_1, Pioneer_2, Phonnegut_2, Myxus_2
• Track 3 : Toaka_2
• Track 4 : Beemo_2

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

The start number called the most often in the published annotations is 5, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aliter_2, Alma_2, Beemo_2, Catalina_2, Conquerage_2, EdogawaKiddo_1, Eidsmoe_2, EmyBug_2, HortumSL17_2, Lilleskat_1, Myxus_2, Phaeder_2, Phonnegut_2, Pioneer_2, Priya_2, Qobbit_2, Sachima_1, Scherzo_2, Spouty_2, Toaka_2, Tubs_2, Ugenie5_1,

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 5:
• Found in 22 of 22 (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: Aliter_2 (A9), Alma_2 (A9), Beemo_2 (A9), Catalina_2 (A9), Conquerage_2 (A9), EdogawaKiddo_1 (A9), Eidsmoe_2 (A9), EmyBug_2 (A9), HortumSL17_2 (A9), Lilleskat_1 (A9), Myxus_2 (A9), Phaeder_2

(A9), Phonnegut_2 (A9), Pioneer_2 (A9), Priya_2 (A9), Qobbit_2 (A9), Sachima_1 (A9), Scherzo_2 (A9), Spouty_2 (A9), Toaka_2 (A9), Tubs_2 (A9), Ugenie5_1 (A9),

Summary by clusters:

There is one cluster represented in this pham: A9

Info for manual annotations of cluster A9:
•Start number 5 was manually annotated 19 times for cluster A9.

Gene Information:

Gene: Aliter_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Aliter_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Alma_2 Start: 1051, Stop: 2109, Start Num: 5
Candidate Starts for Alma_2:
(1, 715), (2, 751), (3, 787), (4, 790), (Start: 5 @1051 has 19 MA's), (6, 1357), (7, 1483), (8, 1492), (9, 1585), (11, 1660), (14, 1702), (15, 1774), (16, 1798), (17, 1876), (18, 1915), (19, 1936), (20, 1978), (21, 1996), (23, 2023), (24, 2071),

Gene: Beemo_2 Start: 1051, Stop: 2115, Start Num: 5
Candidate Starts for Beemo_2:
(1, 715), (2, 751), (3, 787), (4, 790), (Start: 5 @1051 has 19 MA's), (6, 1360), (7, 1486), (8, 1495), (9, 1588), (11, 1663), (14, 1705), (15, 1777), (16, 1801), (19, 1939), (20, 1981), (21, 1999), (24, 2074),

Gene: Catalina_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Catalina_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Conquerage_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for Conquerage_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977), (21, 1995), (23, 2022), (24, 2070),

Gene: EdogawaKiddo_1 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for EdogawaKiddo_1:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Eidsmoe_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for Eidsmoe_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977),

(21, 1995), (23, 2022), (24, 2070),

Gene: EmyBug_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for EmyBug_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977), (21, 1995), (23, 2022), (24, 2070),

Gene: HortumSL17_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for HortumSL17_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Lilleskat_1 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Lilleskat_1:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Myxus_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Myxus_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Phaeder_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Phaeder_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Phonnegut_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Phonnegut_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Pioneer_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Pioneer_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Priya_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for Priya_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977), (21, 1995), (23, 2022), (24, 2070),

Gene: Qobbit_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for Qobbit_2:

(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977), (21, 1995), (23, 2022), (24, 2070),

Gene: Sachima_1 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Sachima_1:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Scherzo_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Scherzo_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Spouty_2 Start: 1050, Stop: 2108, Start Num: 5
Candidate Starts for Spouty_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1356), (7, 1482), (8, 1491), (9, 1584), (11, 1659), (14, 1701), (15, 1773), (16, 1797), (17, 1875), (18, 1914), (19, 1935), (20, 1977), (21, 1995), (23, 2022), (24, 2070),

Gene: Toaka_2 Start: 1049, Stop: 2170, Start Num: 5
Candidate Starts for Toaka_2:
(Start: 5 @1049 has 19 MA's), (7, 1475), (8, 1484), (11, 1661), (12, 1688), (13, 1694), (15, 1775), (16, 1799), (20, 2027), (22, 2066),

Gene: Tubs_2 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Tubs_2:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),

Gene: Ugenie5_1 Start: 1050, Stop: 2114, Start Num: 5
Candidate Starts for Ugenie5_1:
(1, 714), (2, 750), (3, 786), (4, 789), (Start: 5 @1050 has 19 MA's), (6, 1359), (7, 1485), (8, 1494), (9, 1587), (10, 1605), (11, 1662), (14, 1704), (15, 1776), (16, 1800), (19, 1938), (20, 1980), (21, 1998), (24, 2073),