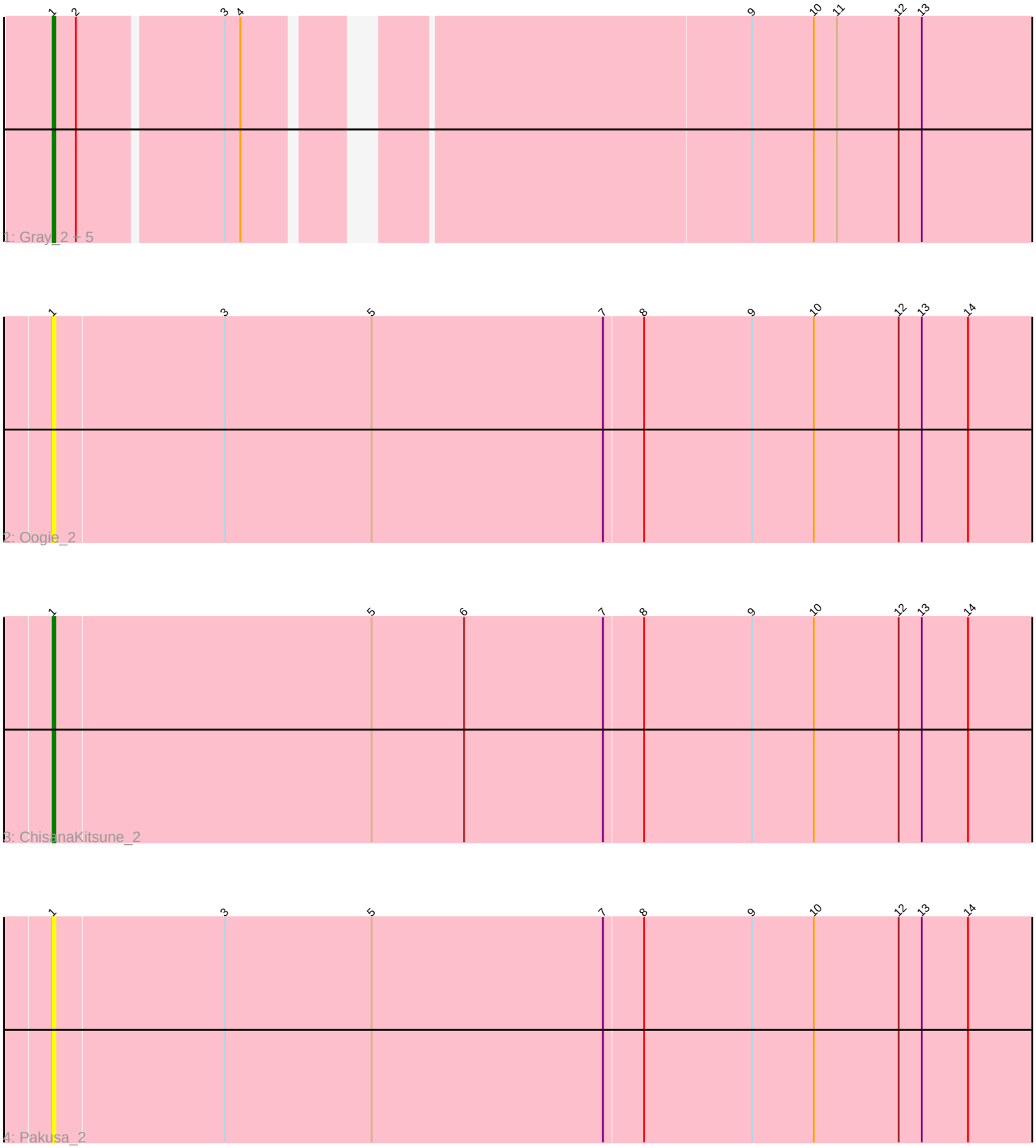
Zoomed Pham 10404



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 10404 Report

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

Pham number 10404 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Gray_2, Schomber_2, Chidiebere_2, Hanem_2, Kabocha_2, Aloki_2
• Track 2 : Oogie_2
• Track 3 : ChisanaKitsune_2
• Track 4 : Pakusa_2

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_2, Chidiebere_2, ChisanaKitsune_2, Gray_2, Hanem_2, Kabocha_2, Oogie_2, Pakusa_2, Schomber_2,

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 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_2 (DQ), Chidiebere_2 (DQ), ChisanaKitsune_2 (DQ), Gray_2 (DQ), Hanem_2 (DQ), Kabocha_2 (DQ), Oogie_2 (DQ), Pakusa_2 (DQ), Schomber_2 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 1 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Aloki_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),

Gene: Chidiebere_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Chidiebere_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),

Gene: ChisanaKitsune_2 Start: 894, Stop: 1697, Start Num: 1
Candidate Starts for ChisanaKitsune_2:
(Start: 1 @894 has 6 MA's), (5, 1017), (6, 1053), (7, 1107), (8, 1122), (9, 1164), (10, 1188), (12, 1221), (13, 1230), (14, 1248), (15, 1278), (17, 1371), (18, 1392), (19, 1404), (21, 1470), (23, 1533), (24, 1536), (25, 1542), (27, 1563), (28, 1638), (29, 1665),

Gene: Gray_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Gray_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),

Gene: Hanem_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Hanem_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),

Gene: Kabocha_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Kabocha_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),

Gene: Oogie_2 Start: 891, Stop: 1694, Start Num: 1
Candidate Starts for Oogie_2:
(Start: 1 @891 has 6 MA's), (3, 957), (5, 1014), (7, 1104), (8, 1119), (9, 1161), (10, 1185), (12, 1218), (13, 1227), (14, 1245), (16, 1320), (17, 1368), (18, 1389), (19, 1401), (21, 1467), (23, 1530), (24, 1533), (25, 1539), (26, 1542), (27, 1560), (28, 1635), (29, 1662),

Gene: Pakusa_2 Start: 891, Stop: 1694, Start Num: 1
Candidate Starts for Pakusa_2:
(Start: 1 @891 has 6 MA's), (3, 957), (5, 1014), (7, 1104), (8, 1119), (9, 1161), (10, 1185), (12, 1218), (13, 1227), (14, 1245), (16, 1320), (17, 1368), (18, 1389), (19, 1401), (21, 1467), (22, 1527), (24,

1533), (26, 1542), (27, 1560), (28, 1635), (29, 1662),

Gene: Schomber_2 Start: 891, Stop: 1916, Start Num: 1
Candidate Starts for Schomber_2:
(Start: 1 @891 has 6 MA's), (2, 900), (3, 954), (4, 960), (9, 1137), (10, 1161), (11, 1170), (12, 1194), (13, 1203), (15, 1251), (20, 1446), (23, 1515), (24, 1518), (30, 1662), (31, 1692), (32, 1773), (33, 1788), (34, 1845), (35, 1887),