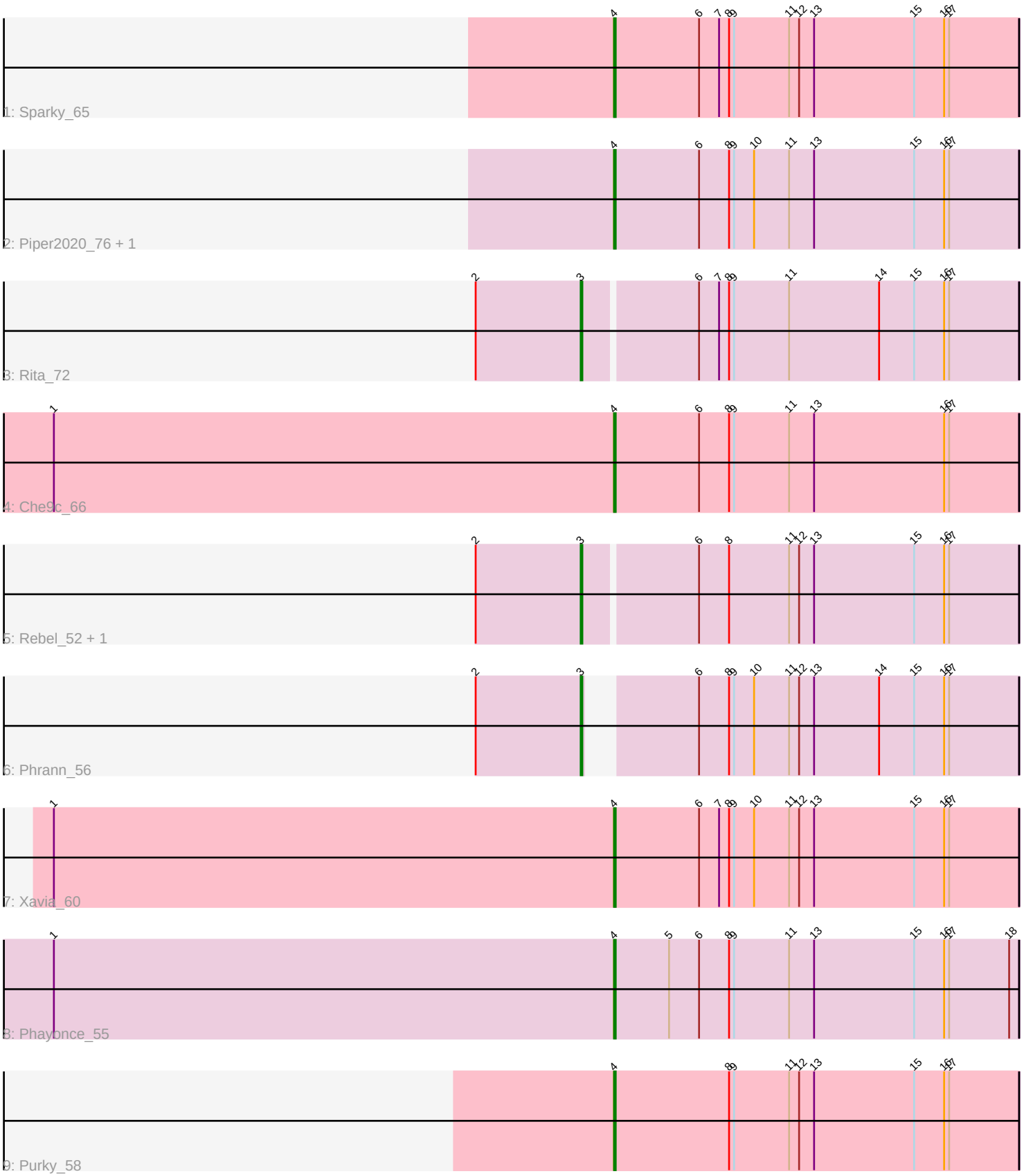
Pham 5764


1: Sparky_65
2: Piper2020_76 + 1
3: Rita_72
4: Che9c_66
5: Rebel_52 + 1
6: Phrann_56
7: Xavia_60
8: Phaybnce_55
9: Purky_58

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 5764 Report

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

Pham number 5764 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sparky_65
• Track 2 : Piper2020_76, Farewell_67
• Track 3 : Rita_72
• Track 4 : Che9c_66
• Track 5 : Rebel_52, Kevin1_58
• Track 6 : Phrann_56
• Track 7 : Xavia_60
• Track 8 : Phayonce_55
• Track 9 : Purky_58

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Che9c_66, Farewell_67, Phayonce_55, Piper2020_76, Purky_58, Sparky_65, Xavia_60,

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

Genes that do not have the "Most Annotated" start:
• Kevin1_58, Phrann_56, Rebel_52, Rita_72,

Summary by start number:

Start 3:
• Found in 4 of 11 (36.4%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kevin1_58 (N), Phrann_56 (N), Rebel_52 (N), Rita_72 (F1),

Start 4:
• Found in 7 of 11 (63.6%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Che9c_66 (I2), Farewell_67 (AF), Phayonce_55 (P5), Piper2020_76 (F1), Purky_58 (P6), Sparky_65 (AF), Xavia_60 (P3),

Summary by clusters:

There are 7 clusters represented in this pham: F1, P6, AF, P3, I2, N, P5,

Info for manual annotations of cluster AF:
•Start number 4 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 1 time for cluster F1.
•Start number 4 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster I2:
•Start number 4 was manually annotated 1 time for cluster I2.

Info for manual annotations of cluster N:
•Start number 3 was manually annotated 3 times for cluster N.

Info for manual annotations of cluster P3:
•Start number 4 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P5:
•Start number 4 was manually annotated 1 time for cluster P5.

Info for manual annotations of cluster P6:
•Start number 4 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: Che9c_66 Start: 47316, Stop: 47558, Start Num: 4
Candidate Starts for Che9c_66:
(1, 46980), (Start: 4 @47316 has 7 MA's), (6, 47367), (8, 47385), (9, 47388), (11, 47421), (13, 47436), (16, 47514), (17, 47517),

Gene: Farewell_67 Start: 44367, Stop: 44609, Start Num: 4
Candidate Starts for Farewell_67:
(Start: 4 @44367 has 7 MA's), (6, 44418), (8, 44436), (9, 44439), (10, 44451), (11, 44472), (13, 44487), (15, 44547), (16, 44565), (17, 44568),

Gene: Kevin1_58 Start: 36453, Stop: 36710, Start Num: 3
Candidate Starts for Kevin1_58:
(2, 36390), (Start: 3 @36453 has 4 MA's), (6, 36519), (8, 36537), (11, 36573), (12, 36579), (13, 36588), (15, 36648), (16, 36666), (17, 36669),

Gene: Phayonce_55 Start: 39554, Stop: 39796, Start Num: 4
Candidate Starts for Phayonce_55:
(1, 39218), (Start: 4 @39554 has 7 MA's), (5, 39587), (6, 39605), (8, 39623), (9, 39626), (11, 39659), (13, 39674), (15, 39734), (16, 39752), (17, 39755), (18, 39791),

Gene: Phrann_56 Start: 37600, Stop: 37842, Start Num: 3
Candidate Starts for Phrann_56:
(2, 37537), (Start: 3 @37600 has 4 MA's), (6, 37651), (8, 37669), (9, 37672), (10, 37684), (11, 37705), (12, 37711), (13, 37720), (14, 37759), (15, 37780), (16, 37798), (17, 37801),

Gene: Piper2020_76 Start: 46435, Stop: 46677, Start Num: 4
Candidate Starts for Piper2020_76:
(Start: 4 @46435 has 7 MA's), (6, 46486), (8, 46504), (9, 46507), (10, 46519), (11, 46540), (13, 46555), (15, 46615), (16, 46633), (17, 46636),

Gene: Purky_58 Start: 39675, Stop: 39917, Start Num: 4
Candidate Starts for Purky_58:
(Start: 4 @39675 has 7 MA's), (8, 39744), (9, 39747), (11, 39780), (12, 39786), (13, 39795), (15, 39855), (16, 39873), (17, 39876),

Gene: Rebel_52 Start: 34506, Stop: 34763, Start Num: 3
Candidate Starts for Rebel_52:
(2, 34443), (Start: 3 @34506 has 4 MA's), (6, 34572), (8, 34590), (11, 34626), (12, 34632), (13, 34641), (15, 34701), (16, 34719), (17, 34722),

Gene: Rita_72 Start: 42223, Stop: 42480, Start Num: 3
Candidate Starts for Rita_72:
(2, 42160), (Start: 3 @42223 has 4 MA's), (6, 42289), (7, 42301), (8, 42307), (9, 42310), (11, 42343), (14, 42397), (15, 42418), (16, 42436), (17, 42439),

Gene: Sparky_65 Start: 45549, Stop: 45791, Start Num: 4
Candidate Starts for Sparky_65:
(Start: 4 @45549 has 7 MA's), (6, 45600), (7, 45612), (8, 45618), (9, 45621), (11, 45654), (12, 45660), (13, 45669), (15, 45729), (16, 45747), (17, 45750),

Gene: Xavia_60 Start: 43638, Stop: 43880, Start Num: 4
Candidate Starts for Xavia_60:
(1, 43302), (Start: 4 @43638 has 7 MA's), (6, 43689), (7, 43701), (8, 43707), (9, 43710), (10, 43722), (11, 43743), (12, 43749), (13, 43758), (15, 43818), (16, 43836), (17, 43839),