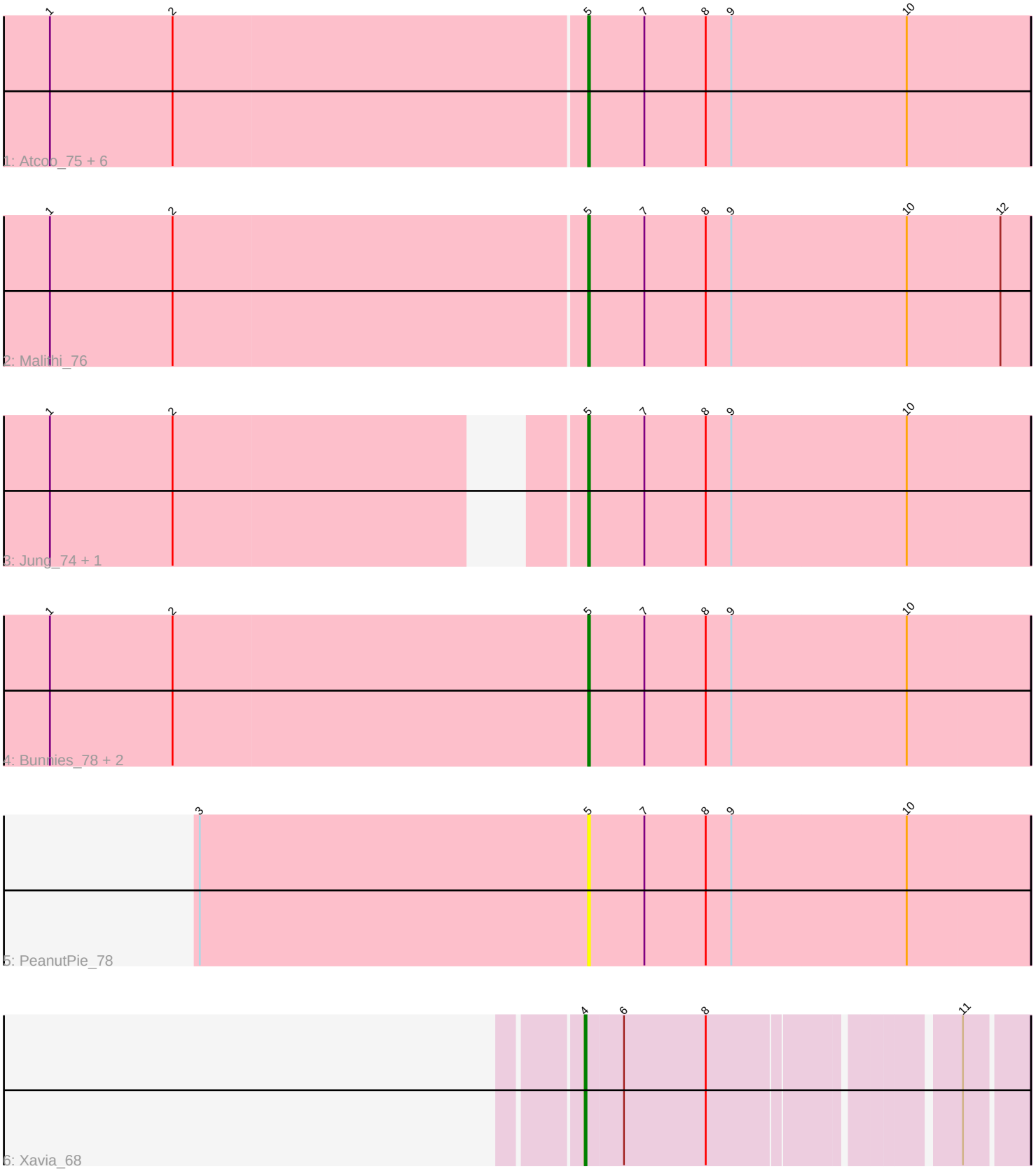
Pham 327601


1
2
5
7
8
9
10
1: Atcob_75 + 6
1
2
5
7
8
9
10
12
2: Malithi_76
1
2
5
7
8
9
10
3: Jung_74 + 1
1
2
5
7
8
9
10
4: Bunnies_78 + 2
3
5
7
8
9
10
5: PeanutPie_78
4
6
8
11
6: Xavia_68

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 327601 Report

This analysis was run 09/05/26 on database version 662.

Pham number 327601 has 15 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Atcoo_75, Sonah_78, Brusacoram_75, FirstPlacePfu_79, BronnyJr_70, Thespis_75, Camster_77
• Track 2 : Malithi_76
• Track 3 : Jung_74, StevieRay_78
• Track 4 : Bunnies_78, Ksquared_77, Bhagsy_79
• Track 5 : PeanutPie_78
• Track 6 : Xavia_68

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 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atcoo_75, Bhagsy_79, BronnyJr_70, Brusacoram_75, Bunnies_78, Camster_77, FirstPlacePfu_79, Jung_74, Ksquared_77, Malithi_76, PeanutPie_78, Sonah_78, StevieRay_78, Thespis_75,

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

Genes that do not have the "Most Annotated" start:
• Xavia_68,

Summary by start number:

Start 4:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xavia_68 (P3),

Start 5:
• Found in 14 of 15 (93.3%) of genes in pham

• Manual Annotations of this start: 12 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atcoo_75 (P1), Bhagsy_79 (P1), BronnyJr_70 (P1), Brusacoram_75 (P1), Bunnies_78 (P1), Camster_77 (P1), FirstPlacePfu_79 (P1), Jung_74 (P1), Ksquared_77 (P1), Malithi_76 (P1), PeanutPie_78 (P1), Sonah_78 (P1), StevieRay_78 (P1), Thespis_75 (P1),

Summary by clusters:

There are 2 clusters represented in this pham: P3, P1,

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 12 times for cluster P1.

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

Gene Information:

Gene: Atcoo_75 Start: 47621, Stop: 47878, Start Num: 5
Candidate Starts for Atcoo_75:
(1, 47309), (2, 47381), (Start: 5 @47621 has 12 MA's), (7, 47654), (8, 47690), (9, 47705), (10, 47807),

Gene: Bhagsy_79 Start: 46742, Stop: 46999, Start Num: 5
Candidate Starts for Bhagsy_79:
(1, 46427), (2, 46499), (Start: 5 @46742 has 12 MA's), (7, 46775), (8, 46811), (9, 46826), (10, 46928),

Gene: BronnyJr_70 Start: 45686, Stop: 45943, Start Num: 5
Candidate Starts for BronnyJr_70:
(1, 45374), (2, 45446), (Start: 5 @45686 has 12 MA's), (7, 45719), (8, 45755), (9, 45770), (10, 45872),

Gene: Brusacoram_75 Start: 46164, Stop: 46421, Start Num: 5
Candidate Starts for Brusacoram_75:
(1, 45852), (2, 45924), (Start: 5 @46164 has 12 MA's), (7, 46197), (8, 46233), (9, 46248), (10, 46350),

Gene: Bunnies_78 Start: 47369, Stop: 47626, Start Num: 5
Candidate Starts for Bunnies_78:
(1, 47054), (2, 47126), (Start: 5 @47369 has 12 MA's), (7, 47402), (8, 47438), (9, 47453), (10, 47555),

Gene: Camster_77 Start: 45696, Stop: 45953, Start Num: 5
Candidate Starts for Camster_77:
(1, 45384), (2, 45456), (Start: 5 @45696 has 12 MA's), (7, 45729), (8, 45765), (9, 45780), (10, 45882),

Gene: FirstPlacePfu_79 Start: 44227, Stop: 44484, Start Num: 5
Candidate Starts for FirstPlacePfu_79:
(1, 43915), (2, 43987), (Start: 5 @44227 has 12 MA's), (7, 44260), (8, 44296), (9, 44311), (10, 44413),

Gene: Jung_74 Start: 45106, Stop: 45363, Start Num: 5
Candidate Starts for Jung_74:
(1, 44830), (2, 44902), (Start: 5 @45106 has 12 MA's), (7, 45139), (8, 45175), (9, 45190), (10, 45292),

Gene: Ksquared_77 Start: 47246, Stop: 47503, Start Num: 5
Candidate Starts for Ksquared_77:
(1, 46931), (2, 47003), (Start: 5 @47246 has 12 MA's), (7, 47279), (8, 47315), (9, 47330), (10, 47432),

Gene: Malithi_76 Start: 45416, Stop: 45673, Start Num: 5
Candidate Starts for Malithi_76:
(1, 45104), (2, 45176), (Start: 5 @45416 has 12 MA's), (7, 45449), (8, 45485), (9, 45500), (10, 45602), (12, 45656),

Gene: PeanutPie_78 Start: 46746, Stop: 47003, Start Num: 5
Candidate Starts for PeanutPie_78:
(3, 46518), (Start: 5 @46746 has 12 MA's), (7, 46779), (8, 46815), (9, 46830), (10, 46932),

Gene: Sonah_78 Start: 44961, Stop: 45218, Start Num: 5
Candidate Starts for Sonah_78:
(1, 44649), (2, 44721), (Start: 5 @44961 has 12 MA's), (7, 44994), (8, 45030), (9, 45045), (10, 45147),

Gene: StevieRay_78 Start: 47362, Stop: 47619, Start Num: 5
Candidate Starts for StevieRay_78:
(1, 47086), (2, 47158), (Start: 5 @47362 has 12 MA's), (7, 47395), (8, 47431), (9, 47446), (10, 47548),

Gene: Thespis_75 Start: 46164, Stop: 46421, Start Num: 5
Candidate Starts for Thespis_75:
(1, 45852), (2, 45924), (Start: 5 @46164 has 12 MA's), (7, 46197), (8, 46233), (9, 46248), (10, 46350),

Gene: Xavia_68 Start: 48390, Stop: 48626, Start Num: 4
Candidate Starts for Xavia_68:
(Start: 4 @48390 has 1 MA's), (6, 48411), (8, 48459), (11, 48591),