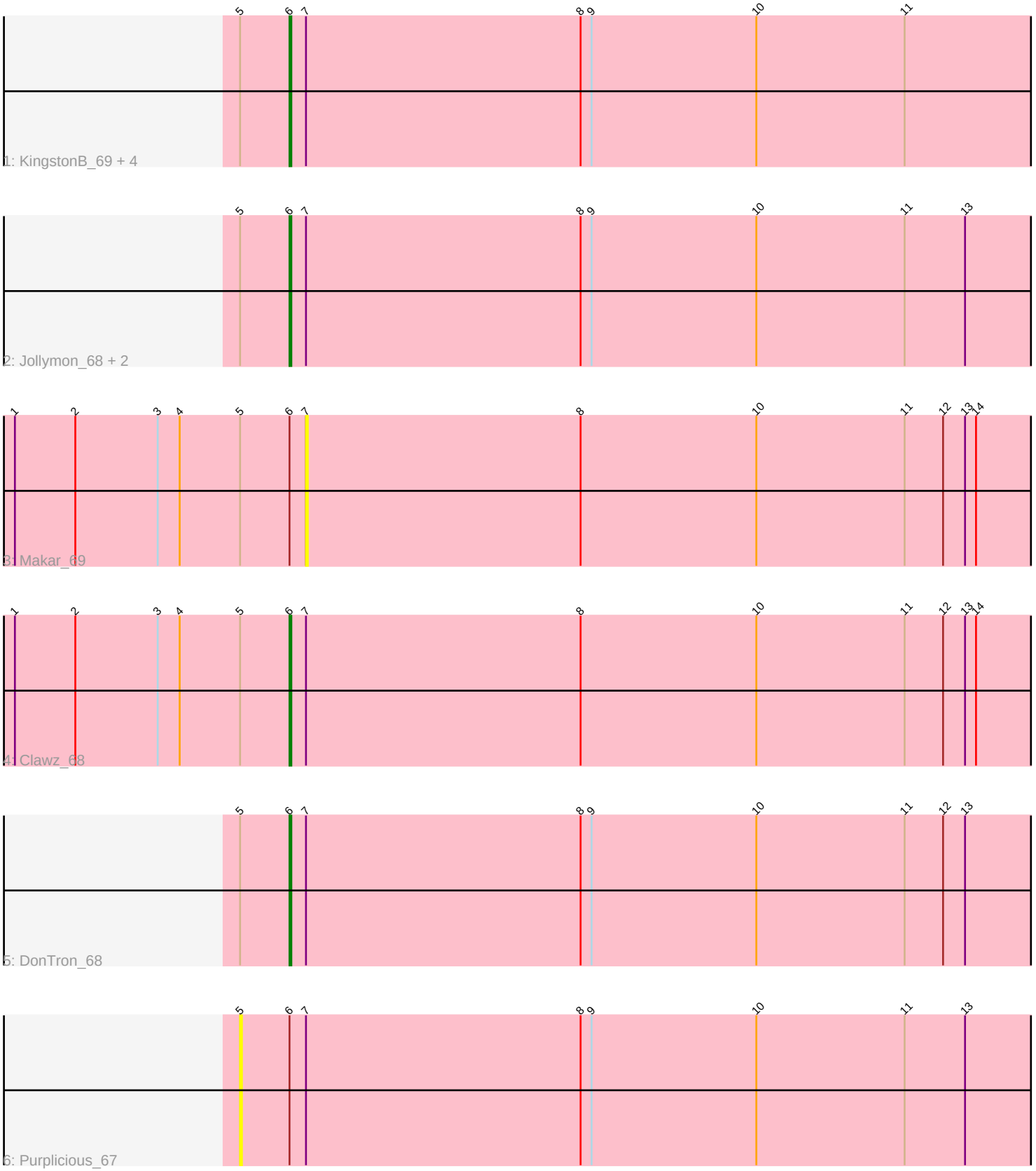
Pham 303826


5
6
7
8
9
10
11
1: KingstonB_69 + 4
5
6
7
8
9
10
11
13
2: Jollymon_68 + 2
1
2
3
4
5
6
7
8
10
11
12
13
14
3: Makar_69
1
2
3
4
5
6
7
8
10
11
12
13
14
4: Clawz_68
5
6
7
8
9
10
11
12
13
5: DonTron_68
5
6
7
8
9
10
11
13
6: Purplicious_67

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 303826 Report

This analysis was run 06/08/26 on database version 649.

Pham number 303826 has 12 members, 7 are drafts.

Phages represented in each track:
• Track 1 : KingstonB_69, Grumio_68, Sting_67, Soos_64, Stillion_68
• Track 2 : Jollymon_68, Amo99_69, ColdSoup_69
• Track 3 : Makar_69
• Track 4 : Clawz_68
• Track 5 : DonTron_68
• Track 6 : Purplicious_67

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

The start number called the most often in the published annotations is 6, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amo99_69, Clawz_68, ColdSoup_69, DonTron_68, Grumio_68, Jollymon_68, KingstonB_69, Soos_64, Stillion_68, Sting_67,

Genes that have the "Most Annotated" start but do not call it:
• Makar_69, Purplicious_67,

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

Summary by start number:

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Purplicious_67 (CP),

Start 6:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 83.3% of time when present

• Phage (with cluster) where this start called: Amo99_69 (CP), Clawz_68 (CP), ColdSoup_69 (CP), DonTron_68 (CP), Grumio_68 (CP), Jollymon_68 (CP), KingstonB_69 (CP), Soos_64 (CP), Stillion_68 (CP), Sting_67 (CP),

Start 7:
• Found in 12 of 12 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Makar_69 (CP),

Summary by clusters:

There is one cluster represented in this pham: CP

Info for manual annotations of cluster CP:
•Start number 6 was manually annotated 5 times for cluster CP.

Gene Information:

Gene: Amo99_69 Start: 45305, Stop: 45724, Start Num: 6
Candidate Starts for Amo99_69:
(5, 45278), (Start: 6 @45305 has 5 MA's), (7, 45314), (8, 45464), (9, 45470), (10, 45560), (11, 45641), (13, 45674),

Gene: Clawz_68 Start: 45191, Stop: 45610, Start Num: 6
Candidate Starts for Clawz_68:
(1, 45041), (2, 45074), (3, 45119), (4, 45131), (5, 45164), (Start: 6 @45191 has 5 MA's), (7, 45200), (8, 45350), (10, 45446), (11, 45527), (12, 45548), (13, 45560), (14, 45566),

Gene: ColdSoup_69 Start: 45386, Stop: 45805, Start Num: 6
Candidate Starts for ColdSoup_69:
(5, 45359), (Start: 6 @45386 has 5 MA's), (7, 45395), (8, 45545), (9, 45551), (10, 45641), (11, 45722), (13, 45755),

Gene: DonTron_68 Start: 45427, Stop: 45846, Start Num: 6
Candidate Starts for DonTron_68:
(5, 45400), (Start: 6 @45427 has 5 MA's), (7, 45436), (8, 45586), (9, 45592), (10, 45682), (11, 45763), (12, 45784), (13, 45796),

Gene: Grumio_68 Start: 44868, Stop: 45287, Start Num: 6
Candidate Starts for Grumio_68:
(5, 44841), (Start: 6 @44868 has 5 MA's), (7, 44877), (8, 45027), (9, 45033), (10, 45123), (11, 45204),

Gene: Jollymon_68 Start: 45386, Stop: 45805, Start Num: 6
Candidate Starts for Jollymon_68:
(5, 45359), (Start: 6 @45386 has 5 MA's), (7, 45395), (8, 45545), (9, 45551), (10, 45641), (11, 45722), (13, 45755),

Gene: KingstonB_69 Start: 44865, Stop: 45284, Start Num: 6
Candidate Starts for KingstonB_69:
(5, 44838), (Start: 6 @44865 has 5 MA's), (7, 44874), (8, 45024), (9, 45030), (10, 45120), (11, 45201),

Gene: Makar_69 Start: 45227, Stop: 45637, Start Num: 7
Candidate Starts for Makar_69:
(1, 45068), (2, 45101), (3, 45146), (4, 45158), (5, 45191), (Start: 6 @45218 has 5 MA's), (7, 45227), (8, 45377), (10, 45473), (11, 45554), (12, 45575), (13, 45587), (14, 45593),

Gene: Purplicious_67 Start: 44606, Stop: 45052, Start Num: 5
Candidate Starts for Purplicious_67:
(5, 44606), (Start: 6 @44633 has 5 MA's), (7, 44642), (8, 44792), (9, 44798), (10, 44888), (11, 44969), (13, 45002),

Gene: Soos_64 Start: 44594, Stop: 45013, Start Num: 6
Candidate Starts for Soos_64:
(5, 44567), (Start: 6 @44594 has 5 MA's), (7, 44603), (8, 44753), (9, 44759), (10, 44849), (11, 44930),

Gene: Stillion_68 Start: 45191, Stop: 45610, Start Num: 6
Candidate Starts for Stillion_68:
(5, 45164), (Start: 6 @45191 has 5 MA's), (7, 45200), (8, 45350), (9, 45356), (10, 45446), (11, 45527),

Gene: Sting_67 Start: 45033, Stop: 45452, Start Num: 6
Candidate Starts for Sting_67:
(5, 45006), (Start: 6 @45033 has 5 MA's), (7, 45042), (8, 45192), (9, 45198), (10, 45288), (11, 45369),