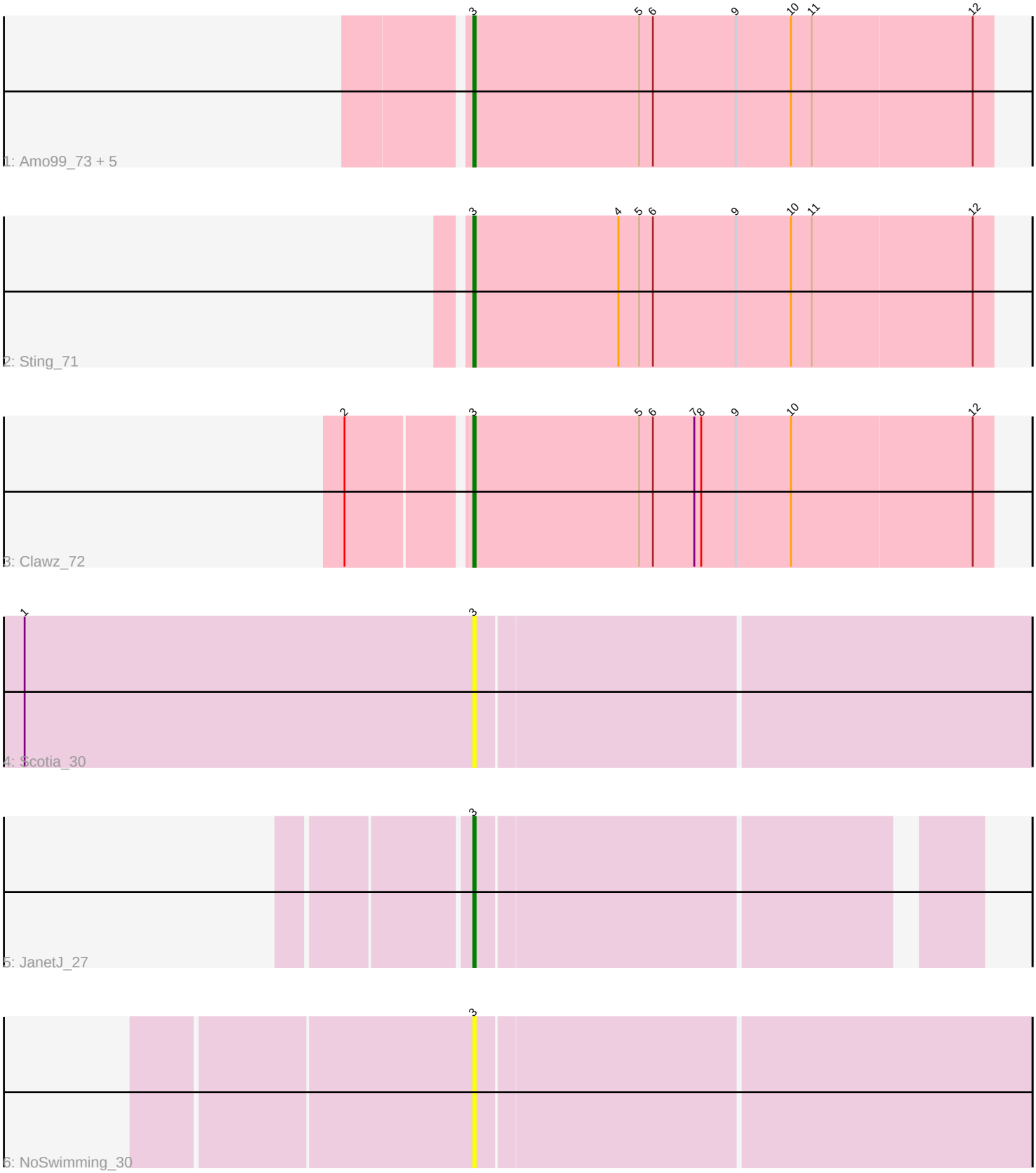
Pham 216754


3
5
6
9
10
11
12
1: Amo99_73 + 5
3
4
5
6
9
10
11
12
2: Sting_71
2
3
5
6
7
8
9
10
12
3: Clawz_72
1
3
4: Scotia_30
3
5: JanetJ_27
3
6: NoSwimming_30

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 216754 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216754 has 11 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Amo99_73, Jollymon_73, KingstonB_73, ColdSoup_73, Soos_68, DonTron_72
• Track 2 : Sting_71
• Track 3 : Clawz_72
• Track 4 : Scotia_30
• Track 5 : JanetJ_27
• Track 6 : NoSwimming_30

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amo99_73, Clawz_72, ColdSoup_73, DonTron_72, JanetJ_27, Jollymon_73, KingstonB_73, NoSwimming_30, Scotia_30, Soos_68, Sting_71,

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 3:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amo99_73 (CP), Clawz_72 (CP), ColdSoup_73 (CP), DonTron_72 (CP), JanetJ_27 (FO), Jollymon_73 (CP), KingstonB_73 (CP), NoSwimming_30 (FO), Scotia_30 (FO), Soos_68 (CP), Sting_71 (CP),

Summary by clusters:

There are 2 clusters represented in this pham: CP, FO,

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

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

Gene Information:

Gene: Amo99_73 Start: 48277, Stop: 48501, Start Num: 3
Candidate Starts for Amo99_73:
(Start: 3 @48277 has 4 MA's), (5, 48349), (6, 48355), (9, 48391), (10, 48415), (11, 48424), (12, 48493),

Gene: Clawz_72 Start: 48155, Stop: 48379, Start Num: 3
Candidate Starts for Clawz_72:
(2, 48107), (Start: 3 @48155 has 4 MA's), (5, 48227), (6, 48233), (7, 48251), (8, 48254), (9, 48269), (10, 48293), (12, 48371),

Gene: ColdSoup_73 Start: 48358, Stop: 48582, Start Num: 3
Candidate Starts for ColdSoup_73:
(Start: 3 @48358 has 4 MA's), (5, 48430), (6, 48436), (9, 48472), (10, 48496), (11, 48505), (12, 48574),

Gene: DonTron_72 Start: 48395, Stop: 48619, Start Num: 3
Candidate Starts for DonTron_72:
(Start: 3 @48395 has 4 MA's), (5, 48467), (6, 48473), (9, 48509), (10, 48533), (11, 48542), (12, 48611),

Gene: JanetJ_27 Start: 24007, Stop: 23804, Start Num: 3
Candidate Starts for JanetJ_27:
(Start: 3 @24007 has 4 MA's),

Gene: Jollymon_73 Start: 48358, Stop: 48582, Start Num: 3
Candidate Starts for Jollymon_73:
(Start: 3 @48358 has 4 MA's), (5, 48430), (6, 48436), (9, 48472), (10, 48496), (11, 48505), (12, 48574),

Gene: KingstonB_73 Start: 47833, Stop: 48057, Start Num: 3
Candidate Starts for KingstonB_73:
(Start: 3 @47833 has 4 MA's), (5, 47905), (6, 47911), (9, 47947), (10, 47971), (11, 47980), (12, 48049),

Gene: NoSwimming_30 Start: 25642, Stop: 25406, Start Num: 3
Candidate Starts for NoSwimming_30:
(Start: 3 @25642 has 4 MA's),

Gene: Scotia_30 Start: 25627, Stop: 25391, Start Num: 3
Candidate Starts for Scotia_30:
(1, 25822), (Start: 3 @25627 has 4 MA's),

Gene: Soos_68 Start: 47562, Stop: 47786, Start Num: 3
Candidate Starts for Soos_68:

(Start: 3 @47562 has 4 MA's), (5, 47634), (6, 47640), (9, 47676), (10, 47700), (11, 47709), (12, 47778),

Gene: Sting_71 Start: 48001, Stop: 48225, Start Num: 3
Candidate Starts for Sting_71:
(Start: 3 @48001 has 4 MA's), (4, 48064), (5, 48073), (6, 48079), (9, 48115), (10, 48139), (11, 48148), (12, 48217),