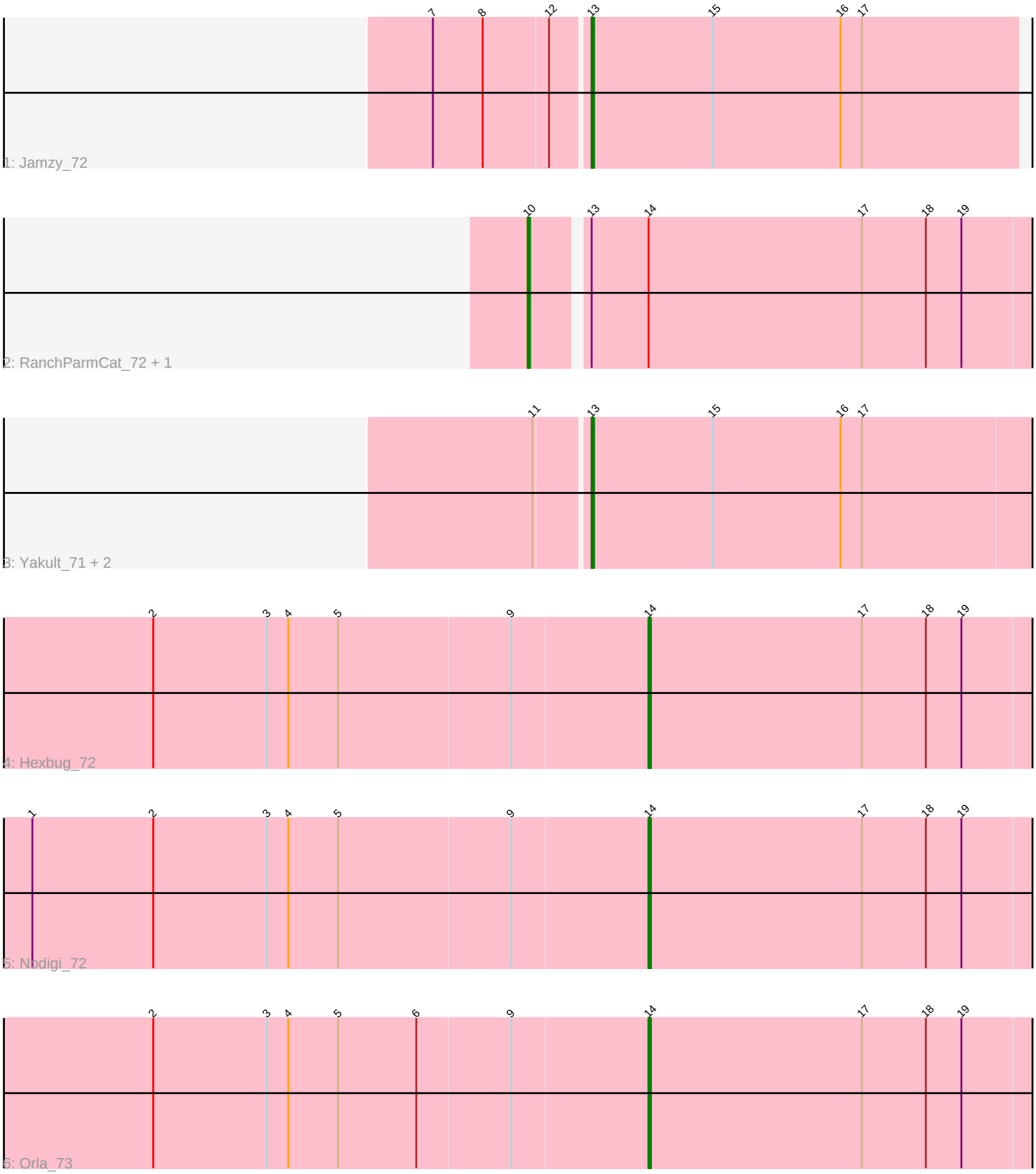
Pham 284449


7
8
12
13
15
16
17
1: Jamzy_72
10
13
14
17
18
19
2: RanchParmCat_72 + 1
11
13
15
16
17
3: Yakult_71 + 2
2
3
4
5
9
14
17
18
19
4: Hexbug_72
1
2
3
4
5
9
14
17
18
19
5: Nodigi_72
2
3
4
5
6
9
14
17
18
19
6: Orla_73

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 284449 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284449 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Jamzy_72
• Track 2 : RanchParmCat_72, Margaret_73
• Track 3 : Yakult_71, Button_68, GiKK_72
• Track 4 : Hexbug_72
• Track 5 : Nodigi_72
• Track 6 : Orla_73

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

The start number called the most often in the published annotations is 13, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Button_68, GiKK_72, Jamzy_72, Yakult_71,

Genes that have the "Most Annotated" start but do not call it:
• Margaret_73, RanchParmCat_72,

Genes that do not have the "Most Annotated" start:
• Hexbug_72, Nodigi_72, Orla_73,

Summary by start number:

Start 10:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Margaret_73 (CT), RanchParmCat_72 (CT),

Start 13:
• Found in 6 of 9 (66.7%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 66.7% of time when present

• Phage (with cluster) where this start called: Button_68 (CT), GiKK_72 (CT), Jamzy_72 (CT), Yakult_71 (CT),

Start 14:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Hexbug_72 (CT), Nodigi_72 (CT), Orla_73 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:
•Start number 10 was manually annotated 2 times for cluster CT.
•Start number 13 was manually annotated 4 times for cluster CT.
•Start number 14 was manually annotated 3 times for cluster CT.

Gene Information:

Gene: Button_68 Start: 45066, Stop: 45266, Start Num: 13
Candidate Starts for Button_68:
(11, 45045), (Start: 13 @45066 has 4 MA's), (15, 45117), (16, 45171), (17, 45180),

Gene: GiKK_72 Start: 46277, Stop: 46456, Start Num: 13
Candidate Starts for GiKK_72:
(11, 46256), (Start: 13 @46277 has 4 MA's), (15, 46328), (16, 46382), (17, 46391),

Gene: Hexbug_72 Start: 46284, Stop: 46460, Start Num: 14
Candidate Starts for Hexbug_72:
(2, 46077), (3, 46125), (4, 46134), (5, 46155), (9, 46227), (Start: 14 @46284 has 3 MA's), (17, 46374), (18, 46401), (19, 46416),

Gene: Jamzy_72 Start: 46007, Stop: 46186, Start Num: 13
Candidate Starts for Jamzy_72:
(7, 45944), (8, 45965), (12, 45992), (Start: 13 @46007 has 4 MA's), (15, 46058), (16, 46112), (17, 46121),

Gene: Margaret_73 Start: 45790, Stop: 46011, Start Num: 10
Candidate Starts for Margaret_73:
(Start: 10 @45790 has 2 MA's), (Start: 13 @45811 has 4 MA's), (Start: 14 @45835 has 3 MA's), (17, 45925), (18, 45952), (19, 45967),

Gene: Nodigi_72 Start: 46305, Stop: 46481, Start Num: 14
Candidate Starts for Nodigi_72:
(1, 46047), (2, 46098), (3, 46146), (4, 46155), (5, 46176), (9, 46248), (Start: 14 @46305 has 3 MA's), (17, 46395), (18, 46422), (19, 46437),

Gene: Orla_73 Start: 46436, Stop: 46612, Start Num: 14
Candidate Starts for Orla_73:

(2, 46229), (3, 46277), (4, 46286), (5, 46307), (6, 46340), (9, 46379), (Start: 14 @46436 has 3 MA's), (17, 46526), (18, 46553), (19, 46568),

Gene: RanchParmCat_72 Start: 46082, Stop: 46303, Start Num: 10
Candidate Starts for RanchParmCat_72:
(Start: 10 @46082 has 2 MA's), (Start: 13 @46103 has 4 MA's), (Start: 14 @46127 has 3 MA's), (17, 46217), (18, 46244), (19, 46259),

Gene: Yakult_71 Start: 46173, Stop: 46373, Start Num: 13
Candidate Starts for Yakult_71:
(11, 46152), (Start: 13 @46173 has 4 MA's), (15, 46224), (16, 46278), (17, 46287),