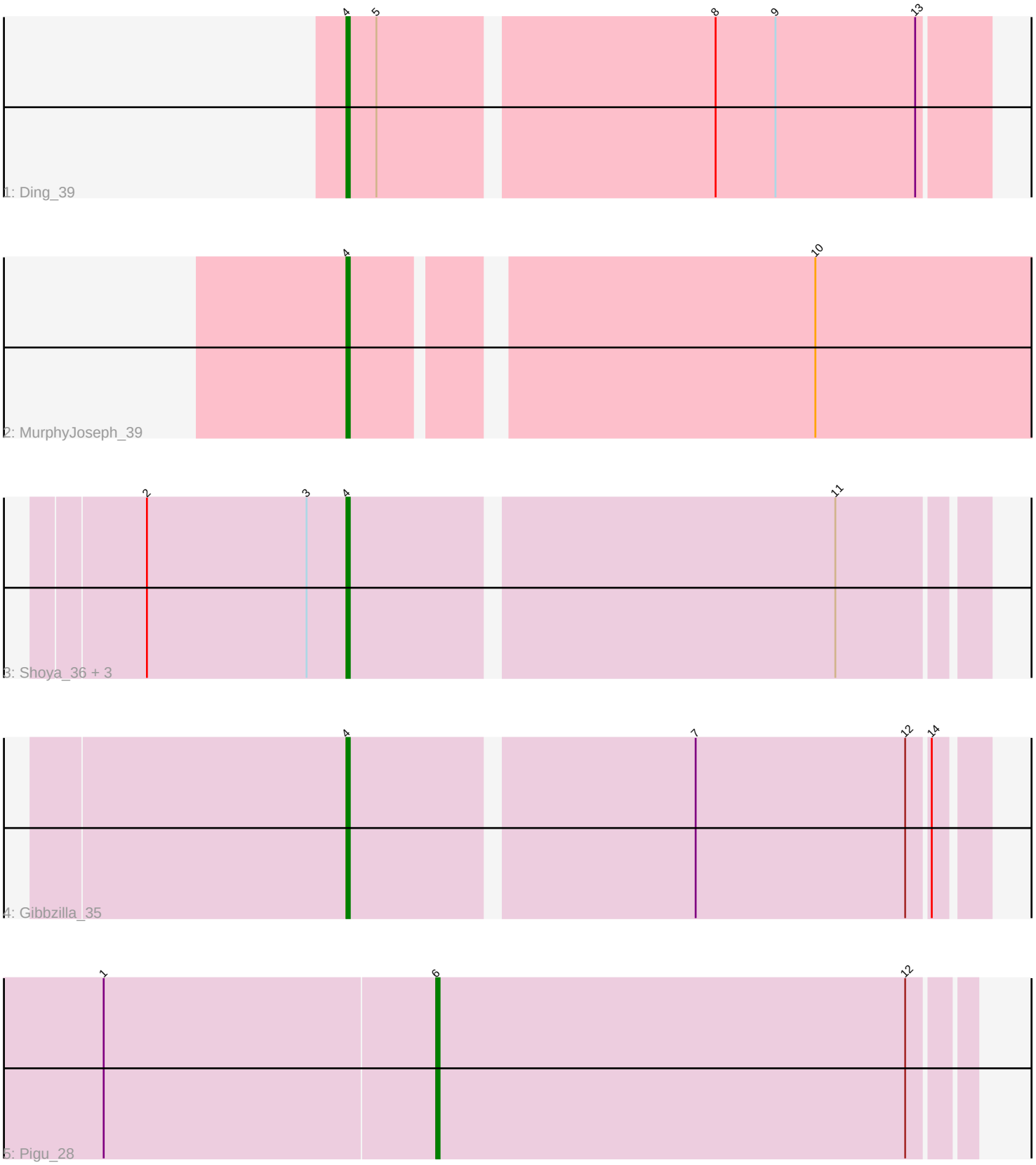
Pham 342865


4
5
8
9
13
1: Ding_39
4
10
2: MurphyJoseph_39
2
3
4
11
3: Shoya_36 + 3
4
7
12
14
4: Gibbzilla_35
1
6
12
5: Pigu_28

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 342865 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342865 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Ding_39
• Track 2 : MurphyJoseph_39
• Track 3 : Shoya_36, JeanClaude_33, BrayBeast_33, Sarge_29
• Track 4 : Gibbzilla_35
• Track 5 : Pigu_28

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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BrayBeast_33, Ding_39, Gibbzilla_35, JeanClaude_33, MurphyJoseph_39, Sarge_29, Shoya_36,

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

Genes that do not have the "Most Annotated" start:
• Pigu_28,

Summary by start number:

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrayBeast_33 (FB), Ding_39 (AY), Gibbzilla_35 (FB), JeanClaude_33 (FB), MurphyJoseph_39 (AY), Sarge_29 (FB), Shoya_36 (FB),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pigu_28 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FB,

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

Info for manual annotations of cluster FB:
•Start number 4 was manually annotated 4 times for cluster FB.
•Start number 6 was manually annotated 1 time for cluster FB.

Gene Information:

Gene: BrayBeast_33 Start: 24847, Stop: 24665, Start Num: 4
Candidate Starts for BrayBeast_33:
(2, 24907), (3, 24859), (Start: 4 @24847 has 6 MA's), (11, 24706),

Gene: Ding_39 Start: 28312, Stop: 28127, Start Num: 4
Candidate Starts for Ding_39:
(Start: 4 @28312 has 6 MA's), (5, 28303), (8, 28207), (9, 28189), (13, 28147),

Gene: Gibbzilla_35 Start: 25298, Stop: 25116, Start Num: 4
Candidate Starts for Gibbzilla_35:
(Start: 4 @25298 has 6 MA's), (7, 25199), (12, 25136), (14, 25130),

Gene: JeanClaude_33 Start: 23790, Stop: 23608, Start Num: 4
Candidate Starts for JeanClaude_33:
(2, 23850), (3, 23802), (Start: 4 @23790 has 6 MA's), (11, 23649),

Gene: MurphyJoseph_39 Start: 27165, Stop: 26959, Start Num: 4
Candidate Starts for MurphyJoseph_39:
(Start: 4 @27165 has 6 MA's), (10, 27036),

Gene: Pigu_28 Start: 22580, Stop: 22738, Start Num: 6
Candidate Starts for Pigu_28:
(1, 22481), (Start: 6 @22580 has 1 MA's), (12, 22721),

Gene: Sarge_29 Start: 22676, Stop: 22494, Start Num: 4
Candidate Starts for Sarge_29:
(2, 22736), (3, 22688), (Start: 4 @22676 has 6 MA's), (11, 22535),

Gene: Shoya_36 Start: 25056, Stop: 24874, Start Num: 4
Candidate Starts for Shoya_36:
(2, 25116), (3, 25068), (Start: 4 @25056 has 6 MA's), (11, 24915),