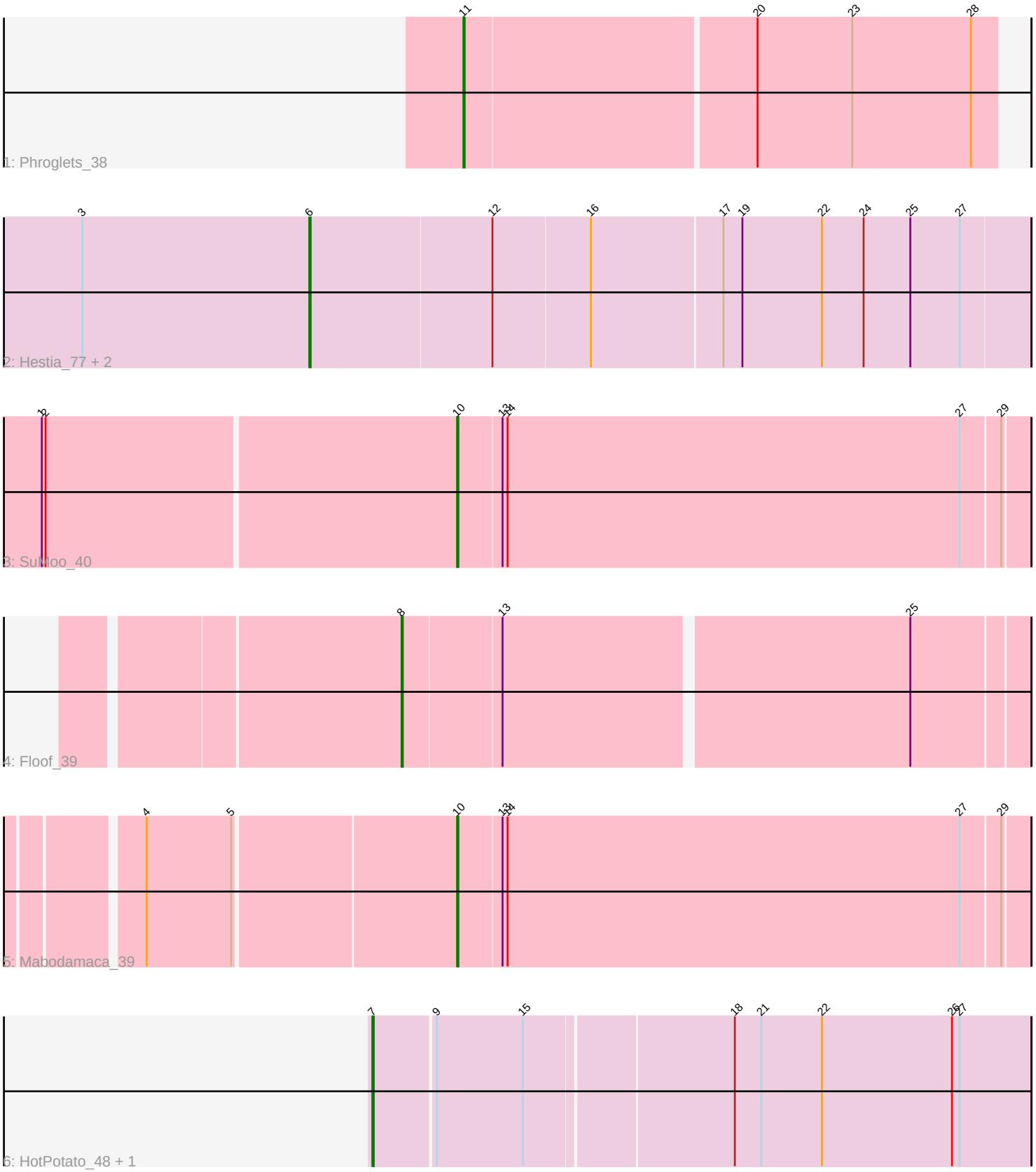
Pham 289994


11
20
23
28
1: Phroglets_38
3
6
12
16
17
19
22
24
25
27
2: Hestia_77 + 2
2
10
13
14
27
29
3: SuMoo_40
8
13
25
4: Floof_39
4
5
10
13
14
27
29
5: Mabodamaca_39
7
9
15
18
21
22
26
27
6: HotPotato_48 + 1

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 289994 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289994 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Phroglets_38
• Track 2 : Hestia_77, MaterMagnus_83, Aikyam_82
• Track 3 : SuMoo_40
• Track 4 : Floof_39
• Track 5 : Mabodamaca_39
• Track 6 : HotPotato_48, Peas_48

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Mabodamaca_39, SuMoo_40,

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

Genes that do not have the "Most Annotated" start:
• Aikyam_82, Floof_39, Hestia_77, HotPotato_48, MaterMagnus_83, Peas_48, Phroglets_38,

Summary by start number:

Start 6:
• Found in 3 of 9 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_82 (AY), Hestia_77 (AY), MaterMagnus_83 (AY),

Start 7:
• Found in 2 of 9 (22.2%) 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: HotPotato_48 (FA), Peas_48 (FA),

Start 8:
• Found in 1 of 9 (11.1%) 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: Floof_39 (EH),

Start 10:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mabodamaca_39 (EH), SuMoo_40 (EH),

Start 11:
• Found in 1 of 9 (11.1%) 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: Phroglets_38 (AV),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FA, EH, AV,

Info for manual annotations of cluster AV:
•Start number 11 was manually annotated 1 time for cluster AV.

Info for manual annotations of cluster AY:
•Start number 6 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster EH:
•Start number 8 was manually annotated 1 time for cluster EH.
•Start number 10 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FA:
•Start number 7 was manually annotated 1 time for cluster FA.

Gene Information:

Gene: Aikyam_82 Start: 45399, Stop: 45956, Start Num: 6
Candidate Starts for Aikyam_82:
(3, 45219), (Start: 6 @45399 has 2 MA's), (12, 45540), (16, 45615), (17, 45717), (19, 45732), (22, 45795), (24, 45828), (25, 45864), (27, 45903),

Gene: Floof_39 Start: 25907, Stop: 26380, Start Num: 8
Candidate Starts for Floof_39:
(Start: 8 @25907 has 1 MA's), (13, 25982), (25, 26291),

Gene: Hestia_77 Start: 44735, Stop: 45292, Start Num: 6
Candidate Starts for Hestia_77:

(3, 44555), (Start: 6 @44735 has 2 MA's), (12, 44876), (16, 44951), (17, 45053), (19, 45068), (22, 45131), (24, 45164), (25, 45200), (27, 45239),

Gene: HotPotato_48 Start: 32721, Stop: 33224, Start Num: 7
Candidate Starts for HotPotato_48:
(Start: 7 @32721 has 1 MA's), (9, 32766), (15, 32832), (18, 32991), (21, 33012), (22, 33060), (26, 33162), (27, 33168),

Gene: Mabodamaca_39 Start: 26406, Stop: 26849, Start Num: 10
Candidate Starts for Mabodamaca_39:
(4, 26169), (5, 26235), (Start: 10 @26406 has 2 MA's), (13, 26439), (14, 26442), (27, 26799), (29, 26829),

Gene: MaterMagnus_83 Start: 47571, Stop: 48128, Start Num: 6
Candidate Starts for MaterMagnus_83:
(3, 47391), (Start: 6 @47571 has 2 MA's), (12, 47712), (16, 47787), (17, 47889), (19, 47904), (22, 47967), (24, 48000), (25, 48036), (27, 48075),

Gene: Peas_48 Start: 33578, Stop: 34081, Start Num: 7
Candidate Starts for Peas_48:
(Start: 7 @33578 has 1 MA's), (9, 33623), (15, 33689), (18, 33848), (21, 33869), (22, 33917), (26, 34019), (27, 34025),

Gene: Phroglets_38 Start: 36660, Stop: 36247, Start Num: 11
Candidate Starts for Phroglets_38:
(Start: 11 @36660 has 1 MA's), (20, 36435), (23, 36360), (28, 36267),

Gene: SuMoo_40 Start: 26007, Stop: 26450, Start Num: 10
Candidate Starts for SuMoo_40:
(1, 25689), (2, 25692), (Start: 10 @26007 has 2 MA's), (13, 26040), (14, 26043), (27, 26400), (29, 26430),