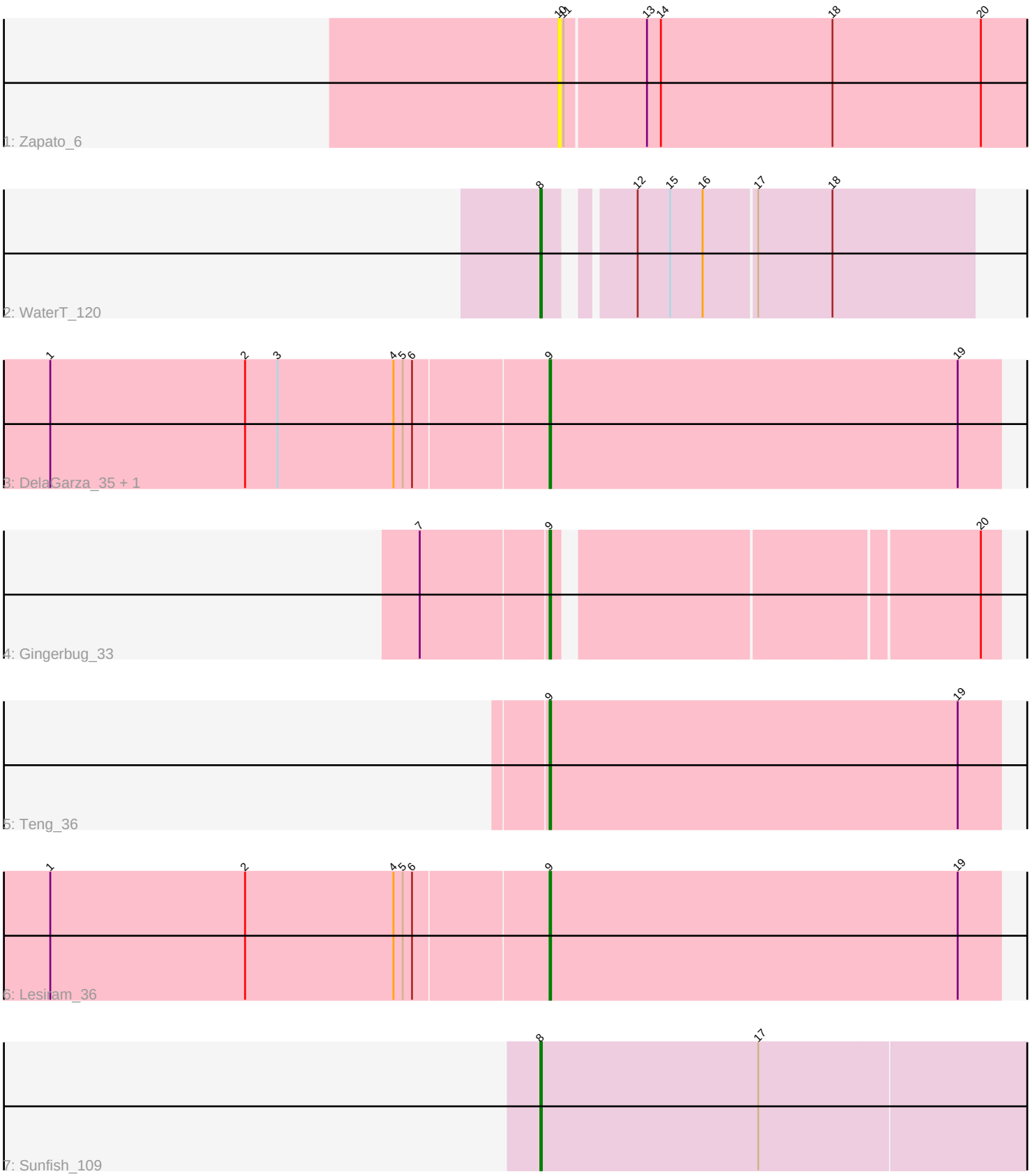
Pham 342870


10
11
13
14
18
20
1: Zapato_6
8
12
15
16
17
18
2: WaterT_120
1
2
3
4
5
6
9
19
3: DelaGarza_35 + 1
7
9
20
4: Gingerbug_33
9
19
5: Teng_36
1
2
4
5
6
9
19
6: Lesiram_36
8
17
7: Sunfish_109

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 342870 Report

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

Pham number 342870 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zapato_6
• Track 2 : WaterT_120
• Track 3 : DelaGarza_35, Sweetums_37
• Track 4 : Gingerbug_33
• Track 5 : Teng_36
• Track 6 : Lesiram_36
• Track 7 : Sunfish_109

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DelaGarza_35, Gingerbug_33, Lesiram_36, Sweetums_37, Teng_36,

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

Genes that do not have the "Most Annotated" start:
• Sunfish_109, WaterT_120, Zapato_6,

Summary by start number:

Start 8:
• Found in 2 of 8 (25.0%) 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: Sunfish_109 (singleton), WaterT_120 (GB),

Start 9:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 5 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: DelaGarza_35 (GF), Gingerbug_33 (GF), Lesiram_36 (GF), Sweetums_37 (GF), Teng_36 (GF),

Start 10:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zapato_6 (EC),

Summary by clusters:

There are 4 clusters represented in this pham: GF, singleton, GB, EC,

Info for manual annotations of cluster GB:
•Start number 8 was manually annotated 1 time for cluster GB.

Info for manual annotations of cluster GF:
•Start number 9 was manually annotated 5 times for cluster GF.

Gene Information:

Gene: DelaGarza_35 Start: 23059, Stop: 22772, Start Num: 9
Candidate Starts for DelaGarza_35:
(1, 23377), (2, 23251), (3, 23230), (4, 23155), (5, 23149), (6, 23143), (Start: 9 @23059 has 5 MA's), (19, 22798),

Gene: Gingerbug_33 Start: 23156, Stop: 22890, Start Num: 9
Candidate Starts for Gingerbug_33:
(7, 23234), (Start: 9 @23156 has 5 MA's), (20, 22901),

Gene: Lesiram_36 Start: 23031, Stop: 22744, Start Num: 9
Candidate Starts for Lesiram_36:
(1, 23349), (2, 23223), (4, 23127), (5, 23121), (6, 23115), (Start: 9 @23031 has 5 MA's), (19, 22770),

Gene: Sunfish_109 Start: 61112, Stop: 60798, Start Num: 8
Candidate Starts for Sunfish_109:
(Start: 8 @61112 has 2 MA's), (17, 60971),

Gene: Sweetums_37 Start: 23152, Stop: 22865, Start Num: 9
Candidate Starts for Sweetums_37:
(1, 23470), (2, 23344), (3, 23323), (4, 23248), (5, 23242), (6, 23236), (Start: 9 @23152 has 5 MA's), (19, 22891),

Gene: Teng_36 Start: 23069, Stop: 22782, Start Num: 9
Candidate Starts for Teng_36:
(Start: 9 @23069 has 5 MA's), (19, 22808),

Gene: WaterT_120 Start: 58882, Stop: 58625, Start Num: 8
Candidate Starts for WaterT_120:

(Start: 8 @58882 has 2 MA's), (12, 58837), (15, 58816), (16, 58795), (17, 58762), (18, 58714),

Gene: Zapato_6 Start: 3585, Stop: 3911, Start Num: 10
Candidate Starts for Zapato_6:
(10, 3585), (11, 3588), (13, 3639), (14, 3648), (18, 3759), (20, 3855),