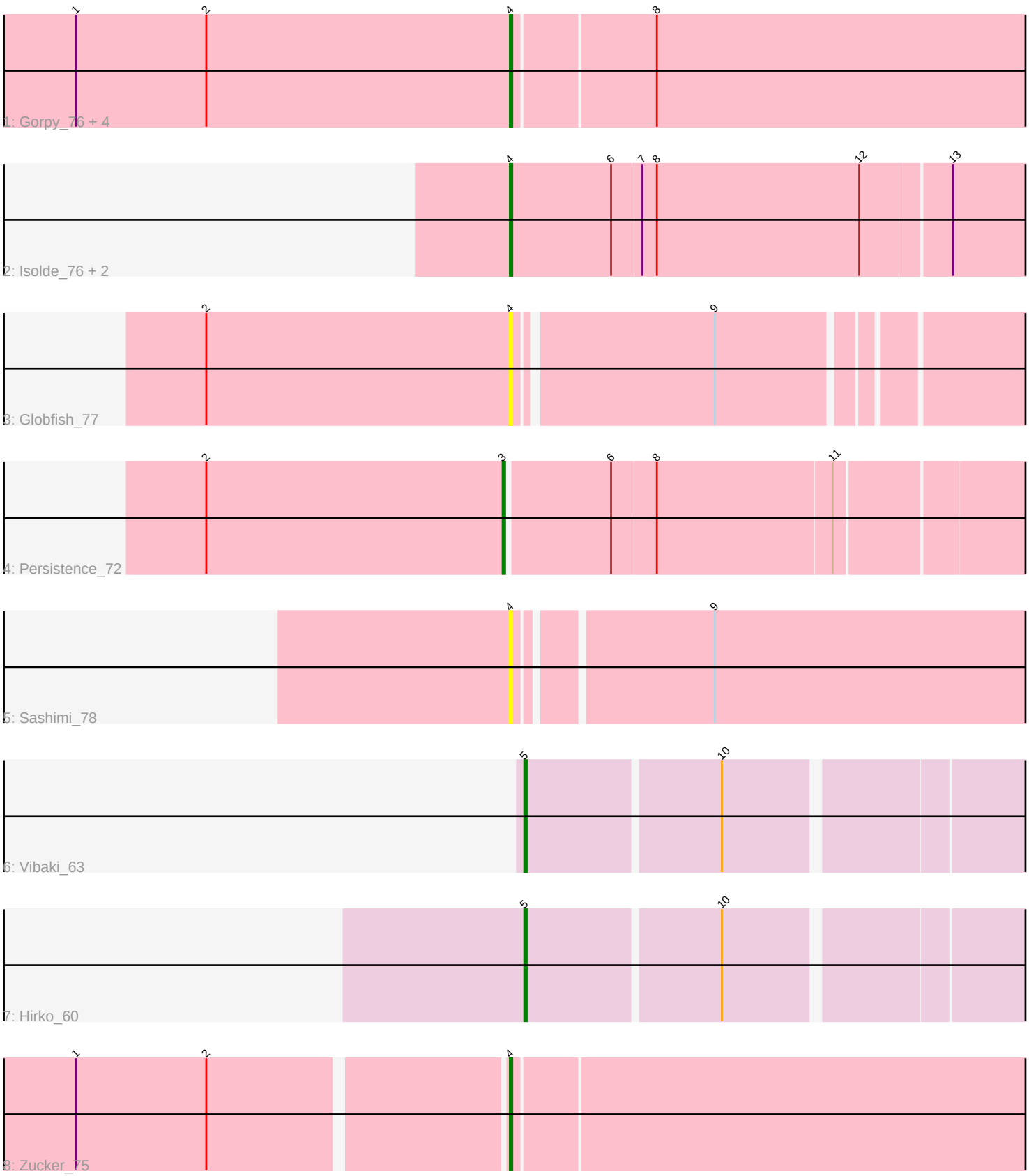
Pham 6410


1
2
4
8
1: Gorpy_76 + 4
4
6
7
8
12
13
2: Isolde_76 + 2
2
4
9
3: Globfish_77
2
3
6
8
11
4: Persistence_72
4
9
5: Sashimi_78
5
10
6: Vibaki_63
5
10
7: Hirko_60
1
2
4
8: Zucker_75

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 6410 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6410 has 14 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Gorpy_76, Hestia_72, Sakai_75, Faja_81, Aikyam_77
• Track 2 : Isolde_76, CookieBear_75, BenchScraper_75
• Track 3 : Globfish_77
• Track 4 : Persistence_72
• Track 5 : Sashimi_78
• Track 6 : Vibaki_63
• Track 7 : Hirko_60
• Track 8 : Zucker_75

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 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aikyam_77, BenchScraper_75, CookieBear_75, Faja_81, Globfish_77, Gorpy_76, Hestia_72, Isolde_76, Sakai_75, Sashimi_78, Zucker_75,

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

Genes that do not have the "Most Annotated" start:
• Hirko_60, Persistence_72, Vibaki_63,

Summary by start number:

Start 3:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Persistence_72 (AY),

Start 4:
• Found in 11 of 14 (78.6%) of genes in pham

• Manual Annotations of this start: 6 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aikyam_77 (AY), BenchScraper_75 (AY), CookieBear_75 (AY), Faja_81 (AY), Globfish_77 (AY), Gorpy_76 (AY), Hestia_72 (AY), Isolde_76 (AY), Sakai_75 (AY), Sashimi_78 (AY), Zucker_75 (FN),

Start 5:
• Found in 2 of 14 (14.3%) 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: Hirko_60 (FL), Vibaki_63 (FL),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FL, FN,

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 1 time for cluster AY.
•Start number 4 was manually annotated 5 times for cluster AY.

Info for manual annotations of cluster FL:
•Start number 5 was manually annotated 2 times for cluster FL.

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

Gene Information:

Gene: Aikyam_77 Start: 41987, Stop: 42268, Start Num: 4
Candidate Starts for Aikyam_77:
(1, 41807), (2, 41861), (Start: 4 @41987 has 6 MA's), (8, 42044),

Gene: BenchScraper_75 Start: 42692, Stop: 42973, Start Num: 4
Candidate Starts for BenchScraper_75:
(Start: 4 @42692 has 6 MA's), (6, 42734), (7, 42746), (8, 42752), (12, 42836), (13, 42872),

Gene: CookieBear_75 Start: 43166, Stop: 43447, Start Num: 4
Candidate Starts for CookieBear_75:
(Start: 4 @43166 has 6 MA's), (6, 43208), (7, 43220), (8, 43226), (12, 43310), (13, 43346),

Gene: Faja_81 Start: 45208, Stop: 45489, Start Num: 4
Candidate Starts for Faja_81:
(1, 45028), (2, 45082), (Start: 4 @45208 has 6 MA's), (8, 45265),

Gene: Globfish_77 Start: 42891, Stop: 43157, Start Num: 4
Candidate Starts for Globfish_77:
(2, 42765), (Start: 4 @42891 has 6 MA's), (9, 42969),

Gene: Gorpy_76 Start: 44407, Stop: 44688, Start Num: 4
Candidate Starts for Gorpy_76:
(1, 44227), (2, 44281), (Start: 4 @44407 has 6 MA's), (8, 44464),

Gene: Hestia_72 Start: 41431, Stop: 41712, Start Num: 4
Candidate Starts for Hestia_72:
(1, 41251), (2, 41305), (Start: 4 @41431 has 6 MA's), (8, 41488),

Gene: Hirko_60 Start: 42088, Stop: 42345, Start Num: 5
Candidate Starts for Hirko_60:
(Start: 5 @42088 has 2 MA's), (10, 42166),

Gene: Isolde_76 Start: 43277, Stop: 43558, Start Num: 4
Candidate Starts for Isolde_76:
(Start: 4 @43277 has 6 MA's), (6, 43319), (7, 43331), (8, 43337), (12, 43421), (13, 43457),

Gene: Persistence_72 Start: 41805, Stop: 42083, Start Num: 3
Candidate Starts for Persistence_72:
(2, 41682), (Start: 3 @41805 has 1 MA's), (6, 41847), (8, 41865), (11, 41937),

Gene: Sakai_75 Start: 43118, Stop: 43399, Start Num: 4
Candidate Starts for Sakai_75:
(1, 42938), (2, 42992), (Start: 4 @43118 has 6 MA's), (8, 43175),

Gene: Sashimi_78 Start: 43791, Stop: 44066, Start Num: 4
Candidate Starts for Sashimi_78:
(Start: 4 @43791 has 6 MA's), (9, 43866),

Gene: Vibaki_63 Start: 42266, Stop: 42523, Start Num: 5
Candidate Starts for Vibaki_63:
(Start: 5 @42266 has 2 MA's), (10, 42344),

Gene: Zucker_75 Start: 44560, Stop: 44841, Start Num: 4
Candidate Starts for Zucker_75:
(1, 44389), (2, 44443), (Start: 4 @44560 has 6 MA's),