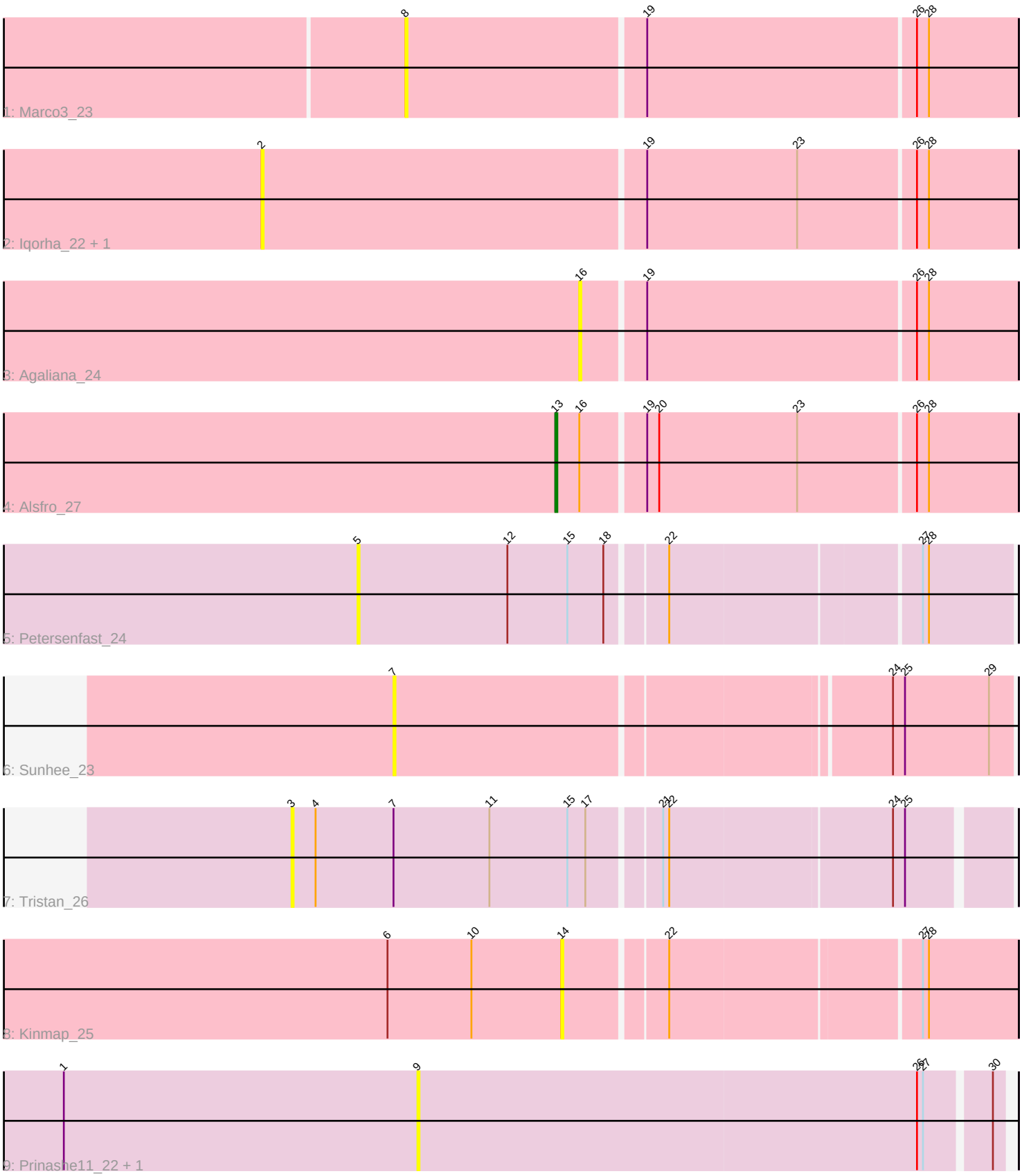
Pham 216771


8
19
26
28
1: Marco3_23
2
19
23
26
28
2: Iqorha_22 + 1
16
19
26
28
3: Agaliana_24
13
16
19
20
23
26
28
4: Alsfro_27
5
12
15
18
22
27
28
5: Petersenfast_24
7
24
25
29
6: Sunhee_23
3
4
7
11
15
17
22
24
25
7: Tristan_26
6
10
14
22
27
28
8: Kinmap_25
1
9
26
27
30
9: Prinashe11_22 + 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 216771 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216771 has 11 members, 10 are drafts.

Phages represented in each track:
• Track 1 : Marco3_23
• Track 2 : Iqorha_22, Inyanga_22
• Track 3 : Agaliana_24
• Track 4 : Alsfro_27
• Track 5 : Petersenfast_24
• Track 6 : Sunhee_23
• Track 7 : Tristan_26
• Track 8 : Kinmap_25
• Track 9 : Prinashe11_22, Twigg_21

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 1 of the 1 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alsfro_27,

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

Genes that do not have the "Most Annotated" start:
• Agaliana_24, Inyanga_22, Iqorha_22, Kinmap_25, Marco3_23, Petersenfast_24, Prinashe11_22, Sunhee_23, Tristan_26, Twigg_21,

Summary by start number:

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Inyanga_22 (A1), Iqorha_22 (A1),

Start 3:

• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tristan_26 (A2),

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Petersenfast_24 (A11),

Start 7:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sunhee_23 (A14),

Start 8:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marco3_23 (A1),

Start 9:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Prinashe11_22 (A5), Twigg_21 (A5),

Start 13:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alsfro_27 (A1),

Start 14:
• Found in 1 of 11 (9.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kinmap_25 (A21),

Start 16:
• Found in 2 of 11 (18.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Agaliana_24 (A1),

Summary by clusters:

There are 6 clusters represented in this pham: A21, A11, A14, A1, A2, A5,

Info for manual annotations of cluster A1:
•Start number 13 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Agaliana_24 Start: 16414, Stop: 16626, Start Num: 16
Candidate Starts for Agaliana_24:
(16, 16414), (19, 16444), (26, 16576), (28, 16582),

Gene: Alsfro_27 Start: 16894, Stop: 17118, Start Num: 13
Candidate Starts for Alsfro_27:
(Start: 13 @16894 has 1 MA's), (16, 16906), (19, 16936), (20, 16942), (23, 17011), (26, 17068), (28, 17074),

Gene: Inyanga_22 Start: 15755, Stop: 16126, Start Num: 2
Candidate Starts for Inyanga_22:
(2, 15755), (19, 15944), (23, 16019), (26, 16076), (28, 16082),

Gene: Iqorha_22 Start: 15754, Stop: 16125, Start Num: 2
Candidate Starts for Iqorha_22:
(2, 15754), (19, 15943), (23, 16018), (26, 16075), (28, 16081),

Gene: Kinmap_25 Start: 16202, Stop: 16417, Start Num: 14
Candidate Starts for Kinmap_25:
(6, 16115), (10, 16157), (14, 16202), (22, 16250), (27, 16370), (28, 16373),

Gene: Marco3_23 Start: 16255, Stop: 16554, Start Num: 8
Candidate Starts for Marco3_23:
(8, 16255), (19, 16372), (26, 16504), (28, 16510),

Gene: Petersenfast_24 Start: 16853, Stop: 17167, Start Num: 5
Candidate Starts for Petersenfast_24:
(5, 16853), (12, 16928), (15, 16958), (18, 16976), (22, 17003), (27, 17123), (28, 17126),

Gene: Prinashe11_22 Start: 14920, Stop: 15207, Start Num: 9
Candidate Starts for Prinashe11_22:
(1, 14743), (9, 14920), (26, 15169), (27, 15172), (30, 15202),

Gene: Sunhee_23 Start: 15505, Stop: 15801, Start Num: 7
Candidate Starts for Sunhee_23:
(7, 15505), (24, 15742), (25, 15748), (29, 15790),

Gene: Tristan_26 Start: 18035, Stop: 18379, Start Num: 3
Candidate Starts for Tristan_26:
(3, 18035), (4, 18047), (7, 18086), (11, 18134), (15, 18173), (17, 18182), (21, 18215), (22, 18218), (24, 18326), (25, 18332),

Gene: Twigg_21 Start: 14923, Stop: 15210, Start Num: 9

Candidate Starts for Twigg_21:
(1, 14746), (9, 14923), (26, 15172), (27, 15175), (30, 15205),