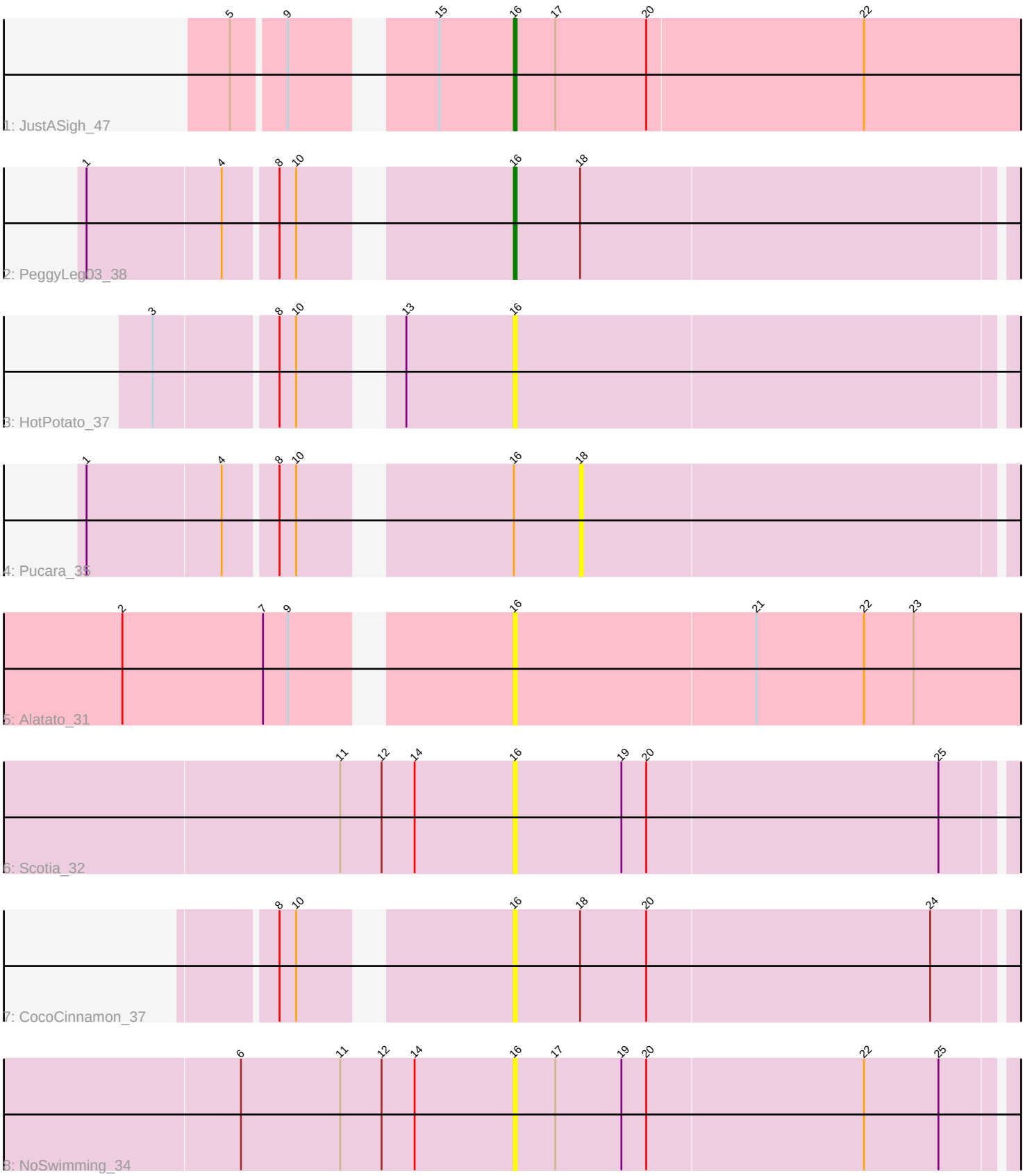
# Pham 216840


5
9
15
16
17
20
22
1: JustASigh_47
1
4
8
10
16
18
2: PeggyLeg03_38
3
8
10
13
16
3: HotPotato_37
1
4
8
10
16
18
4: Pucara_36
2
7
9
16
21
22
23
5: Alatato_31
11
12
14
16
19
20
25
6: Scotia_32
8
10
16
18
20
24
7: CocoCinnamon_37
6
11
12
14
16
17
19
20
22
25
8: NoSwimming_34

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 216840 Report

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

Pham number 216840 has 8 members, 6 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_47
• Track 2 : PeggyLeg03_38
• Track 3 : HotPotato_37
• Track 4 : Pucara_35
• Track 5 : Alatato_31
• Track 6 : Scotia_32
• Track 7 : CocoCinnamon_37
• Track 8 : NoSwimming_34

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

The start number called the most often in the published annotations is 16, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_31, CocoCinnamon_37, HotPotato_37, JustASigh_47, NoSwimming_34, PeggyLeg03_38, Scotia_32,

Genes that have the "Most Annotated" start but do not call it:
• Pucara_35,

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

**Summary by start number:**

Start 16:
• Found in 8 of 8 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Alatato_31 (FB), CocoCinnamon_37 (FO), HotPotato_37 (FA), JustASigh_47 (AH), NoSwimming_34 (FO), PeggyLeg03_38 (FA), Scotia_32 (FO),

Start 18:
• Found in 3 of 8 ( 37.5% ) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Pucara_35 (FA),

**Summary by clusters:**

There are 4 clusters represented in this pham: AH, FA, FB, FO,

Info for manual annotations of cluster AH:
•Start number 16 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster FA:
•Start number 16 was manually annotated 1 time for cluster FA.

***Gene Information:***

Gene: Alatato_31 Start: 24537, Stop: 24322, Start Num: 16
Candidate Starts for Alatato_31:
(2, 24666), (7, 24615), (9, 24606), (Start: 16 @24537 has 2 MA's), (21, 24450), (22, 24411), (23, 24393),

Gene: CocoCinnamon_37 Start: 25963, Stop: 25775, Start Num: 16
Candidate Starts for CocoCinnamon_37:
(8, 26035), (10, 26029), (Start: 16 @25963 has 2 MA's), (18, 25939), (20, 25915), (24, 25813),

Gene: HotPotato_37 Start: 28038, Stop: 27850, Start Num: 16
Candidate Starts for HotPotato_37:
(3, 28152), (8, 28110), (10, 28104), (13, 28077), (Start: 16 @28038 has 2 MA's),

Gene: JustASigh_47 Start: 34656, Stop: 34838, Start Num: 16
Candidate Starts for JustASigh_47:
(5, 34569), (9, 34587), (15, 34629), (Start: 16 @34656 has 2 MA's), (17, 34671), (20, 34704), (22, 34782),

Gene: NoSwimming_34 Start: 27744, Stop: 27550, Start Num: 16
Candidate Starts for NoSwimming_34:
(6, 27843), (11, 27807), (12, 27792), (14, 27780), (Start: 16 @27744 has 2 MA's), (17, 27729), (19, 27705), (20, 27696), (22, 27618), (25, 27591),

Gene: PeggyLeg03_38 Start: 28180, Stop: 27992, Start Num: 16
Candidate Starts for PeggyLeg03_38:
(1, 28318), (4, 28270), (8, 28252), (10, 28246), (Start: 16 @28180 has 2 MA's), (18, 28156),

Gene: Pucara_35 Start: 27761, Stop: 27597, Start Num: 18
Candidate Starts for Pucara_35:
(1, 27923), (4, 27875), (8, 27857), (10, 27851), (Start: 16 @27785 has 2 MA's), (18, 27761),

Gene: Scotia_32 Start: 26785, Stop: 26591, Start Num: 16
Candidate Starts for Scotia_32:
(11, 26848), (12, 26833), (14, 26821), (Start: 16 @26785 has 2 MA's), (19, 26746), (20, 26737), (25, 26632),