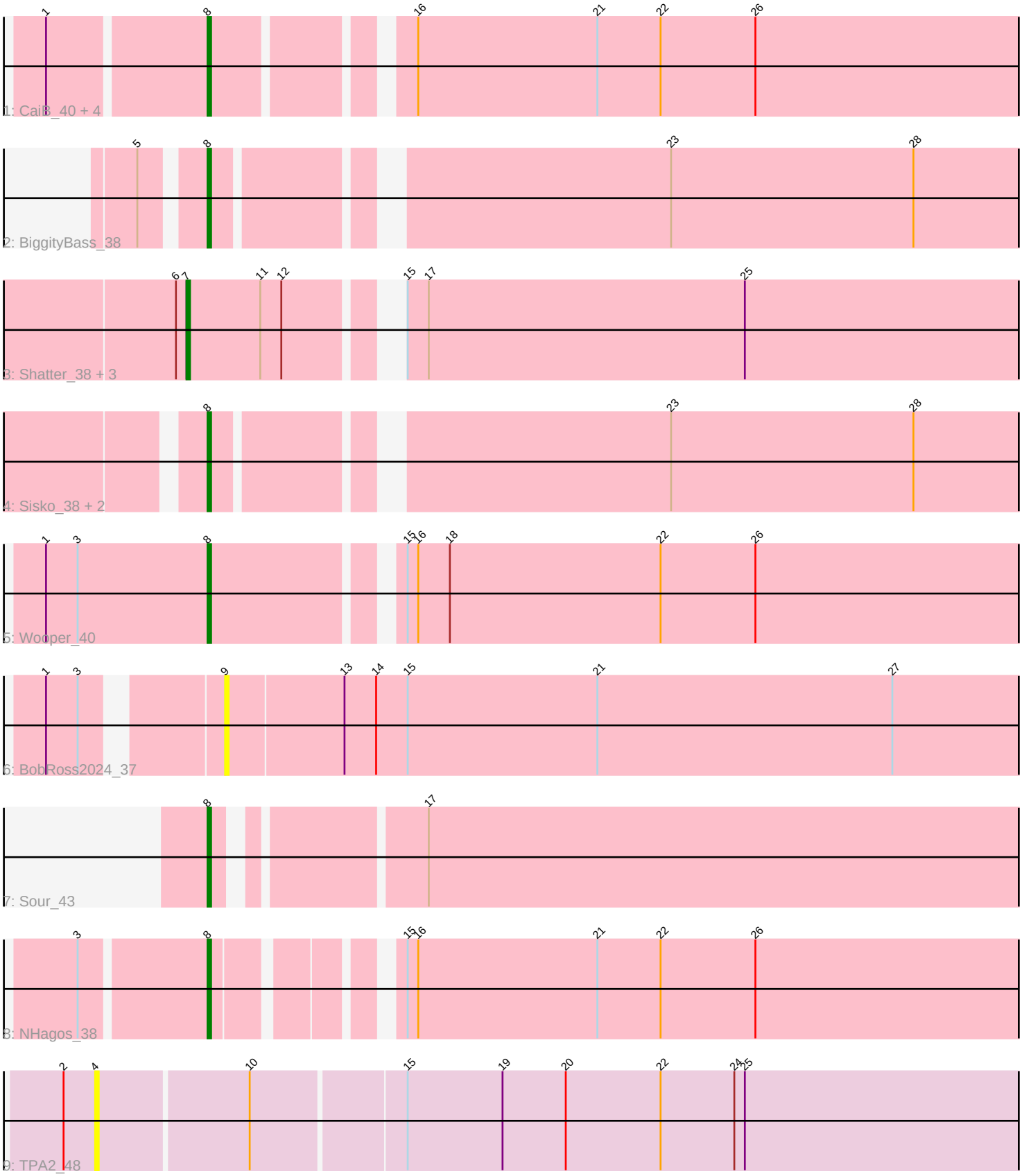
Pham 196889


1
8
16
21
22
26
1: Cait_40 + 4
5
8
23
28
2: BiggityBass_38
6
7
11
12
15
17
25
3: Shatter_38 + 3
8
23
28
4: Sisko_38 + 2
1
3
8
15
16
18
22
26
5: Wooper_40
1
3
9
13
14
15
21
27
6: BobRoss2024_37
8
17
7: Sour_43
3
8
15
16
21
22
26
8: NHagos_38
2
4
10
15
19
20
22
24
25
9: TPA2_48

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 196889 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196889 has 18 members, 2 are drafts.

Phages represented in each track:
• Track 1 : CaiB_40, AnarQue_40, CloverMinnie_40, MossRose_40, MakoManhole_40
• Track 2 : BiggityBass_38
• Track 3 : Shatter_38, Ligma_38, Axumite_38, Fresco_38
• Track 4 : Sisko_38, Yago84_38, AnClar_39
• Track 5 : Wooper_40
• Track 6 : BobRoss2024_37
• Track 7 : Sour_43
• Track 8 : NHagos_38
• Track 9 : TPA2_48

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

The start number called the most often in the published annotations is 8, it was called in 12 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_39, AnarQue_40, BiggityBass_38, CaiB_40, CloverMinnie_40, MakoManhole_40, MossRose_40, NHagos_38, Sisko_38, Sour_43, Wooper_40, Yago84_38,

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

Genes that do not have the "Most Annotated" start:
• Axumite_38, BobRoss2024_37, Fresco_38, Ligma_38, Shatter_38, TPA2_48,

Summary by start number:

Start 4:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TPA2_48 (singleton),

Start 7:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 4 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Axumite_38 (DR), Fresco_38 (DR), Ligma_38 (DR), Shatter_38 (DR),

Start 8:
• Found in 12 of 18 (66.7%) of genes in pham
• Manual Annotations of this start: 12 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AnClar_39 (DR), AnarQue_40 (DR), BiggityBass_38 (DR), CaiB_40 (DR), CloverMinnie_40 (DR), MakoManhole_40 (DR), MossRose_40 (DR), NHagos_38 (DR), Sisko_38 (DR), Sour_43 (DR), Wooper_40 (DR), Yago84_38 (DR),

Start 9:
• Found in 1 of 18 (5.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BobRoss2024_37 (DR),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DR,

Info for manual annotations of cluster DR:
•Start number 7 was manually annotated 4 times for cluster DR.
•Start number 8 was manually annotated 12 times for cluster DR.

Gene Information:

Gene: AnClar_39 Start: 35606, Stop: 35379, Start Num: 8
Candidate Starts for AnClar_39:
(Start: 8 @35606 has 12 MA's), (23, 35489), (28, 35420),

Gene: AnarQue_40 Start: 34838, Stop: 34584, Start Num: 8
Candidate Starts for AnarQue_40:
(1, 34880), (Start: 8 @34838 has 12 MA's), (16, 34790), (21, 34739), (22, 34721), (26, 34694),

Gene: Axumite_38 Start: 32837, Stop: 32601, Start Num: 7
Candidate Starts for Axumite_38:
(6, 32840), (Start: 7 @32837 has 4 MA's), (11, 32816), (12, 32810), (15, 32786), (17, 32780), (25, 32690),

Gene: BiggityBass_38 Start: 35067, Stop: 34840, Start Num: 8
Candidate Starts for BiggityBass_38:
(5, 35082), (Start: 8 @35067 has 12 MA's), (23, 34950), (28, 34881),

Gene: BobRoss2024_37 Start: 32952, Stop: 32707, Start Num: 9

Candidate Starts for BobRoss2024_37:
(1, 32994), (3, 32985), (9, 32952), (13, 32919), (14, 32910), (15, 32901), (21, 32847), (27, 32763),

Gene: CaiB_40 Start: 34824, Stop: 34570, Start Num: 8
Candidate Starts for CaiB_40:
(1, 34866), (Start: 8 @34824 has 12 MA's), (16, 34776), (21, 34725), (22, 34707), (26, 34680),

Gene: CloverMinnie_40 Start: 34764, Stop: 34510, Start Num: 8
Candidate Starts for CloverMinnie_40:
(1, 34806), (Start: 8 @34764 has 12 MA's), (16, 34716), (21, 34665), (22, 34647), (26, 34620),

Gene: Fresco_38 Start: 32837, Stop: 32601, Start Num: 7
Candidate Starts for Fresco_38:
(6, 32840), (Start: 7 @32837 has 4 MA's), (11, 32816), (12, 32810), (15, 32786), (17, 32780), (25, 32690),

Gene: Ligma_38 Start: 32837, Stop: 32601, Start Num: 7
Candidate Starts for Ligma_38:
(6, 32840), (Start: 7 @32837 has 4 MA's), (11, 32816), (12, 32810), (15, 32786), (17, 32780), (25, 32690),

Gene: MakoManhole_40 Start: 34842, Stop: 34588, Start Num: 8
Candidate Starts for MakoManhole_40:
(1, 34884), (Start: 8 @34842 has 12 MA's), (16, 34794), (21, 34743), (22, 34725), (26, 34698),

Gene: MossRose_40 Start: 34821, Stop: 34567, Start Num: 8
Candidate Starts for MossRose_40:
(1, 34863), (Start: 8 @34821 has 12 MA's), (16, 34773), (21, 34722), (22, 34704), (26, 34677),

Gene: NHagos_38 Start: 33445, Stop: 33185, Start Num: 8
Candidate Starts for NHagos_38:
(3, 33478), (Start: 8 @33445 has 12 MA's), (15, 33403), (16, 33400), (21, 33349), (22, 33331), (26, 33304),

Gene: Shatter_38 Start: 32837, Stop: 32601, Start Num: 7
Candidate Starts for Shatter_38:
(6, 32840), (Start: 7 @32837 has 4 MA's), (11, 32816), (12, 32810), (15, 32786), (17, 32780), (25, 32690),

Gene: Sisko_38 Start: 33610, Stop: 33383, Start Num: 8
Candidate Starts for Sisko_38:
(Start: 8 @33610 has 12 MA's), (23, 33493), (28, 33424),

Gene: Sour_43 Start: 37566, Stop: 37306, Start Num: 8
Candidate Starts for Sour_43:
(Start: 8 @37566 has 12 MA's), (17, 37515),

Gene: TPA2_48 Start: 37911, Stop: 37630, Start Num: 4
Candidate Starts for TPA2_48:
(2, 37920), (4, 37911), (10, 37869), (15, 37827), (19, 37800), (20, 37782), (22, 37755), (24, 37734), (25, 37731),

Gene: Wooper_40 Start: 34857, Stop: 34591, Start Num: 8

Candidate Starts for Wooper_40:
(1, 34902), (3, 34893), (Start: 8 @34857 has 12 MA's), (15, 34809), (16, 34806), (18, 34797), (22, 34737), (26, 34710),

Gene: Yago84_38 Start: 33684, Stop: 33457, Start Num: 8
Candidate Starts for Yago84_38:
(Start: 8 @33684 has 12 MA's), (23, 33567), (28, 33498),