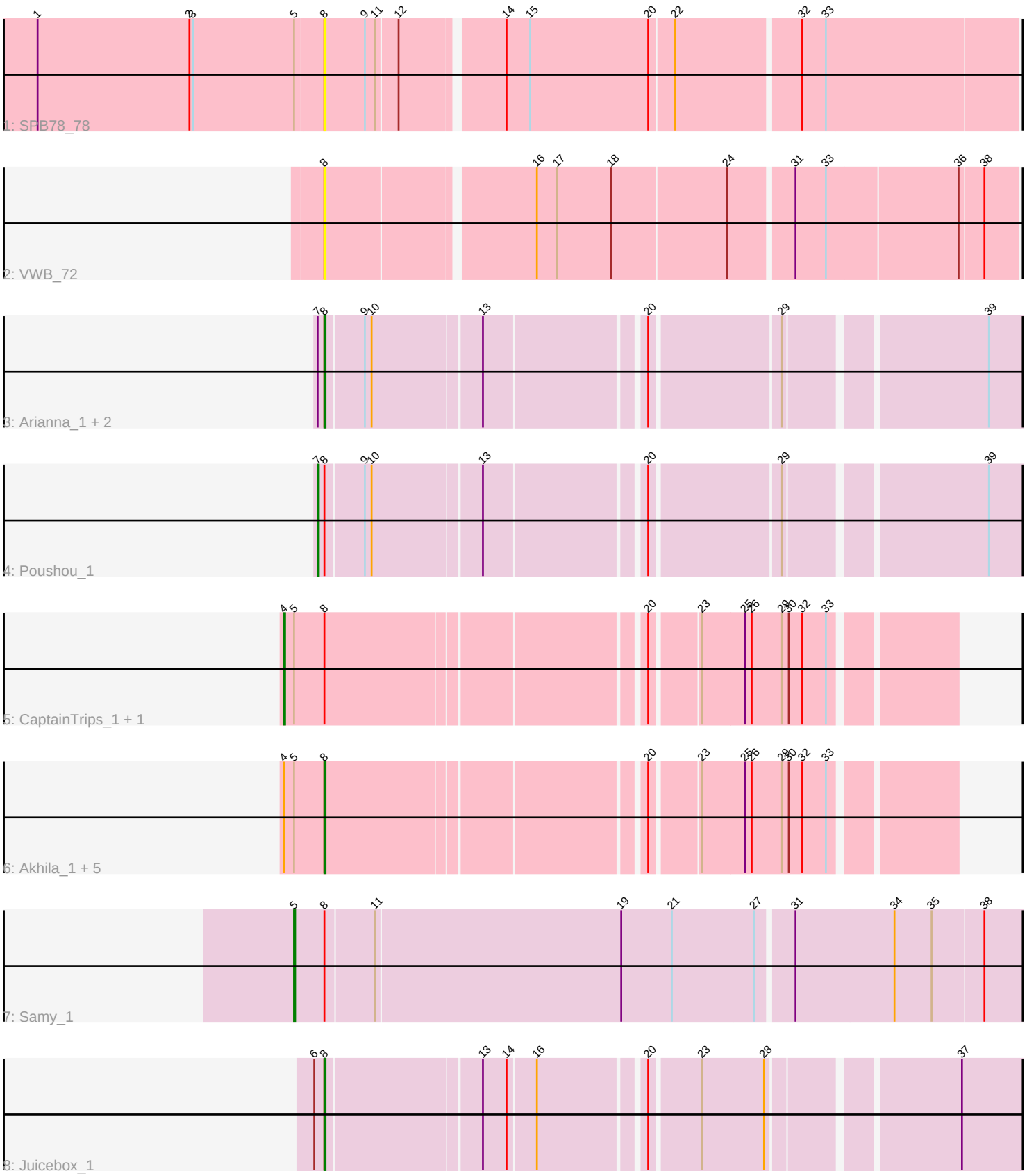
Pham 86910


1
3
5
8
9
11
12
14
15
20
22
32
33
1: SRB78_78
8
16
17
18
24
31
33
36
38
2: VWB_72
7
8
9
10
13
20
29
39
3: Arianna_1 + 2
7
8
9
10
13
20
29
39
4: Poushou_1
4
5
8
20
23
25
26
29
30
32
33
5: CaptainTrips_1 + 1
4
5
8
20
23
25
26
29
30
32
33
6: Akhila_1 + 5
5
8
11
19
21
27
31
34
35
38
7: Samy_1
6
8
13
14
16
20
23
28
37
8: Juicebox_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 86910 Report

This analysis was run 04/28/24 on database version 559.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 86910 has 16 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SPB78_78
• Track 2 : VWB_72
• Track 3 : Arianna_1, Colleen_1, TouchMeNot_1
• Track 4 : Poushou_1
• Track 5 : CaptainTrips_1, MilleniumForce_1
• Track 6 : Akhila_1, Krakatau_1, KristaRAM_1, MinionDave_1, MilanaBonita_1, Nitzel_1
• Track 7 : Samy_1
• Track 8 : Juicebox_1

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 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akhila_1, Arianna_1, Colleen_1, Juicebox_1, Krakatau_1, KristaRAM_1, MilanaBonita_1, MinionDave_1, Nitzel_1, SPB78_78, TouchMeNot_1, VWB_72,

Genes that have the "Most Annotated" start but do not call it:
• CaptainTrips_1, MilleniumForce_1, Poushou_1, Samy_1,

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

Summary by start number:

Start 4:
• Found in 8 of 16 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 14

• Called 25.0% of time when present
• Phage (with cluster) where this start called: CaptainTrips_1 (F1), MilleniumForce_1 (F1),

Start 5:
• Found in 10 of 16 (62.5%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Samy_1 (singleton),

Start 7:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Poushou_1 (EO),

Start 8:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Akhila_1 (F1), Arianna_1 (EO), Colleen_1 (EO), Juicebox_1 (singleton), Krakatau_1 (F1), KristaRAM_1 (F1), MilanaBonita_1 (F1), MinionDave_1 (F1), Nitzel_1 (F1), SPB78_78 (BA), TouchMeNot_1 (EO), VWB_72 (BA),

Summary by clusters:

There are 4 clusters represented in this pham: F1, EO, singleton, BA,

Info for manual annotations of cluster EO:
•Start number 7 was manually annotated 1 time for cluster EO.
•Start number 8 was manually annotated 3 times for cluster EO.

Info for manual annotations of cluster F1:
•Start number 4 was manually annotated 2 times for cluster F1.
•Start number 8 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: Akhila_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for Akhila_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: Arianna_1 Start: 207, Stop: 788, Start Num: 8
Candidate Starts for Arianna_1:
(Start: 7 @201 has 1 MA's), (Start: 8 @207 has 10 MA's), (9, 240), (10, 246), (13, 339), (20, 471), (29, 576), (39, 741),

Gene: CaptainTrips_1 Start: 153, Stop: 698, Start Num: 4

Candidate Starts for CaptainTrips_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: Colleen_1 Start: 207, Stop: 788, Start Num: 8
Candidate Starts for Colleen_1:
(Start: 7 @201 has 1 MA's), (Start: 8 @207 has 10 MA's), (9, 240), (10, 246), (13, 339), (20, 471), (29, 576), (39, 741),

Gene: Juicebox_1 Start: 219, Stop: 839, Start Num: 8
Candidate Starts for Juicebox_1:
(6, 210), (Start: 8 @219 has 10 MA's), (13, 351), (14, 372), (16, 396), (20, 483), (23, 525), (28, 576), (37, 729),

Gene: Krakatau_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for Krakatau_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: KristaRAM_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for KristaRAM_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: MilanaBonita_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for MilanaBonita_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: MilleniumForce_1 Start: 153, Stop: 698, Start Num: 4
Candidate Starts for MilleniumForce_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: MinionDave_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for MinionDave_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: Nitzel_1 Start: 189, Stop: 698, Start Num: 8
Candidate Starts for Nitzel_1:
(Start: 4 @153 has 2 MA's), (Start: 5 @162 has 1 MA's), (Start: 8 @189 has 10 MA's), (20, 453), (23, 492), (25, 525), (26, 531), (29, 558), (30, 564), (32, 576), (33, 597),

Gene: Poushou_1 Start: 201, Stop: 788, Start Num: 7
Candidate Starts for Poushou_1:
(Start: 7 @201 has 1 MA's), (Start: 8 @207 has 10 MA's), (9, 240), (10, 246), (13, 339), (20, 471), (29, 576), (39, 741),

Gene: SPB78_78 Start: 50587, Stop: 51171, Start Num: 8
Candidate Starts for SPB78_78:
(1, 50335), (2, 50470), (3, 50473), (Start: 5 @50563 has 1 MA's), (Start: 8 @50587 has 10 MA's), (9, 50623), (11, 50632), (12, 50650), (14, 50734), (15, 50755), (20, 50860), (22, 50881), (32, 50983), (33,

51004),

Gene: Samy_1 Start: 185, Stop: 844, Start Num: 5
Candidate Starts for Samy_1:
(Start: 5 @185 has 1 MA's), (Start: 8 @212 has 10 MA's), (11, 254), (19, 470), (21, 515), (27, 587), (31, 617), (34, 704), (35, 737), (38, 782),

Gene: TouchMeNot_1 Start: 207, Stop: 788, Start Num: 8
Candidate Starts for TouchMeNot_1:
(Start: 7 @201 has 1 MA's), (Start: 8 @207 has 10 MA's), (9, 240), (10, 246), (13, 339), (20, 471), (29, 576), (39, 741),

Gene: VWB_72 Start: 47863, Stop: 48444, Start Num: 8
Candidate Starts for VWB_72:
(Start: 8 @47863 has 10 MA's), (16, 48037), (17, 48055), (18, 48103), (24, 48199), (31, 48253), (33, 48280), (36, 48394), (38, 48415),