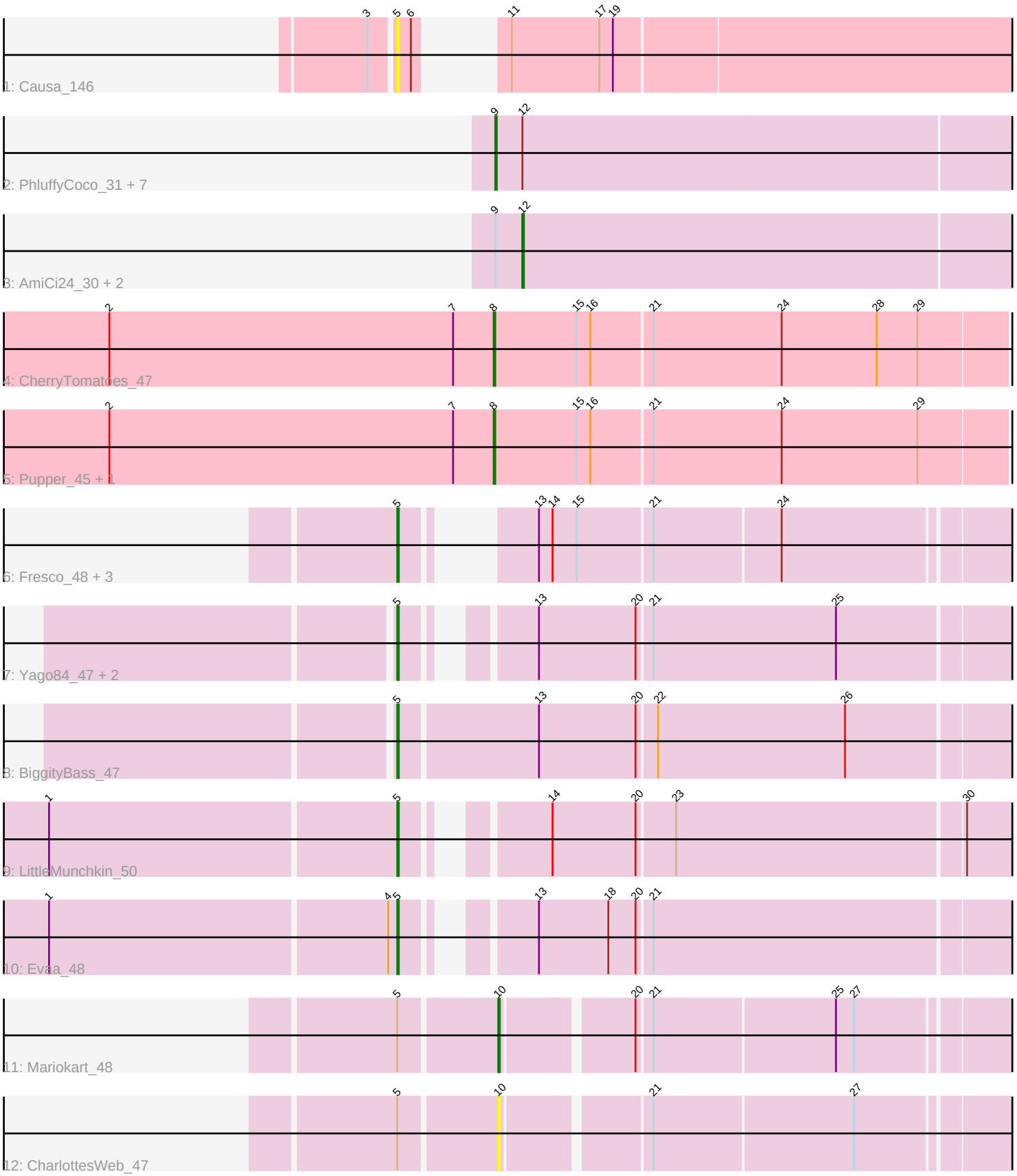
Pham 216462


3
5
6
11
17
19
1: Causa_146
9
12
2: PhluffyCoco_31 + 7
9
12
3: AmiCi24_30 + 2
2
7
8
15
16
21
24
28
29
4: CherryTomatoes_47
2
7
8
15
16
21
24
29
5: Pupper_45 + 1
5
13
14
15
21
24
6: Fresco_48 + 3
5
13
20
21
25
7: Yago84_47 + 2
5
13
20
22
26
8: BiggityBass_47
1
5
14
20
23
30
9: LittleMunchkin_50
1
4
5
13
18
20
21
10: Evaa_48
5
10
20
21
25
27
11: Mariokart_48
5
10
21
27
12: CharlottesWeb_47

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 216462 Report

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

Pham number 216462 has 27 members, 9 are drafts.

Phages represented in each track:
• Track 1 : Causa_146
• Track 2 : PhluffyCoco_31, Juno112_30, Atlantica_31, RedFox_31, HamCheese_30, Camara_31, Rattail_31, DanHam62_31
• Track 3 : AmiCi24_30, KHumphrey_31, Glotell_33
• Track 4 : CherryTomatoes_47
• Track 5 : Pupper_45, SCentae_45
• Track 6 : Fresco_48, Axumite_48, Shatter_48, Ligma_48
• Track 7 : Yago84_47, AnClar_48, Sisko_47
• Track 8 : BiggityBass_47
• Track 9 : LittleMunchkin_50
• Track 10 : Evaa_48
• Track 11 : Mariokart_48
• Track 12 : CharlottesWeb_47

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

The start number called the most often in the published annotations is 5, it was called in 10 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnClar_48, Axumite_48, BiggityBass_47, Causa_146, Evaa_48, Fresco_48, Ligma_48, LittleMunchkin_50, Shatter_48, Sisko_47, Yago84_47,

Genes that have the "Most Annotated" start but do not call it:
• CharlottesWeb_47, Mariokart_48,

Genes that do not have the "Most Annotated" start:
• AmiCi24_30, Atlantica_31, Camara_31, CherryTomatoes_47, DanHam62_31, Glotell_33, HamCheese_30, Juno112_30, KHumphrey_31, PhluffyCoco_31, Pupper_45, Rattail_31, RedFox_31, SCentae_45,

Summary by start number:

Start 5:

• Found in 13 of 27 (48.1%) of genes in pham
• Manual Annotations of this start: 10 of 18
• Called 84.6% of time when present
• Phage (with cluster) where this start called: AnClar_48 (DR), Axumite_48 (DR), BiggityBass_47 (DR), Causa_146 (AI), Evaa_48 (DR), Fresco_48 (DR), Ligma_48 (DR), LittleMunchkin_50 (DR), Shatter_48 (DR), Sisko_47 (DR), Yago84_47 (DR),

Start 8:
• Found in 3 of 27 (11.1%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_47 (DO), Pupper_45 (DO), SCentae_45 (DO),

Start 9:
• Found in 11 of 27 (40.7%) of genes in pham
• Manual Annotations of this start: 3 of 18
• Called 72.7% of time when present
• Phage (with cluster) where this start called: Atlantica_31 (AS3), Camara_31 (AS3), DanHam62_31 (AS3), HamCheese_30 (AS3), Juno112_30 (AS3), PhluffyCoco_31 (AS3), Rattail_31 (AS3), RedFox_31 (AS3),

Start 10:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CharlottesWeb_47 (DR), Mariokart_48 (DR),

Start 12:
• Found in 11 of 27 (40.7%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 27.3% of time when present
• Phage (with cluster) where this start called: AmiCi24_30 (AS3), Glotell_33 (AS3), KHumphrey_31 (AS3),

Summary by clusters:

There are 4 clusters represented in this pham: AS3, DO, AI, DR,

Info for manual annotations of cluster AS3:
•Start number 9 was manually annotated 3 times for cluster AS3.
•Start number 12 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster DO:
•Start number 8 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DR:
•Start number 5 was manually annotated 10 times for cluster DR.
•Start number 10 was manually annotated 1 time for cluster DR.

Gene Information:

Gene: AmiCi24_30 Start: 21190, Stop: 20867, Start Num: 12
Candidate Starts for AmiCi24_30:
(Start: 9 @21208 has 3 MA's), (Start: 12 @21190 has 1 MA's),

Gene: AnClar_48 Start: 43435, Stop: 43061, Start Num: 5
Candidate Starts for AnClar_48:
(Start: 5 @43435 has 10 MA's), (13, 43375), (20, 43312), (21, 43303), (25, 43183),

Gene: Atlantica_31 Start: 21209, Stop: 20868, Start Num: 9
Candidate Starts for Atlantica_31:
(Start: 9 @21209 has 3 MA's), (Start: 12 @21191 has 1 MA's),

Gene: Axumite_48 Start: 41091, Stop: 40741, Start Num: 5
Candidate Starts for Axumite_48:
(Start: 5 @41091 has 10 MA's), (13, 41046), (14, 41037), (15, 41022), (21, 40974), (24, 40893),

Gene: BiggityBass_47 Start: 42936, Stop: 42535, Start Num: 5
Candidate Starts for BiggityBass_47:
(Start: 5 @42936 has 10 MA's), (13, 42849), (20, 42786), (22, 42774), (26, 42651),

Gene: Camara_31 Start: 21210, Stop: 20869, Start Num: 9
Candidate Starts for Camara_31:
(Start: 9 @21210 has 3 MA's), (Start: 12 @21192 has 1 MA's),

Gene: Causa_146 Start: 83302, Stop: 82940, Start Num: 5
Candidate Starts for Causa_146:
(3, 83317), (Start: 5 @83302 has 10 MA's), (6, 83293), (11, 83278), (17, 83221), (19, 83212),

Gene: CharlottesWeb_47 Start: 40439, Stop: 40119, Start Num: 10
Candidate Starts for CharlottesWeb_47:
(Start: 5 @40457 has 10 MA's), (Start: 10 @40439 has 1 MA's), (21, 40352), (27, 40223),

Gene: CherryTomatoes_47 Start: 15930, Stop: 16262, Start Num: 8
Candidate Starts for CherryTomatoes_47:
(2, 15675), (7, 15903), (Start: 8 @15930 has 3 MA's), (15, 15984), (16, 15993), (21, 16032), (24, 16116), (28, 16179), (29, 16206),

Gene: DanHam62_31 Start: 21209, Stop: 20868, Start Num: 9
Candidate Starts for DanHam62_31:
(Start: 9 @21209 has 3 MA's), (Start: 12 @21191 has 1 MA's),

Gene: Evaa_48 Start: 41735, Stop: 41361, Start Num: 5
Candidate Starts for Evaa_48:
(1, 41960), (4, 41741), (Start: 5 @41735 has 10 MA's), (13, 41675), (18, 41630), (20, 41612), (21, 41603),

Gene: Fresco_48 Start: 41091, Stop: 40741, Start Num: 5
Candidate Starts for Fresco_48:
(Start: 5 @41091 has 10 MA's), (13, 41046), (14, 41037), (15, 41022), (21, 40974), (24, 40893),

Gene: Glotell_33 Start: 21348, Stop: 21025, Start Num: 12

Candidate Starts for Glotell_33:
(Start: 9 @21366 has 3 MA's), (Start: 12 @21348 has 1 MA's),

Gene: HamCheese_30 Start: 21194, Stop: 20853, Start Num: 9
Candidate Starts for HamCheese_30:
(Start: 9 @21194 has 3 MA's), (Start: 12 @21176 has 1 MA's),

Gene: Juno112_30 Start: 21210, Stop: 20869, Start Num: 9
Candidate Starts for Juno112_30:
(Start: 9 @21210 has 3 MA's), (Start: 12 @21192 has 1 MA's),

Gene: KHumphrey_31 Start: 21190, Stop: 20867, Start Num: 12
Candidate Starts for KHumphrey_31:
(Start: 9 @21208 has 3 MA's), (Start: 12 @21190 has 1 MA's),

Gene: Ligma_48 Start: 41091, Stop: 40741, Start Num: 5
Candidate Starts for Ligma_48:
(Start: 5 @41091 has 10 MA's), (13, 41046), (14, 41037), (15, 41022), (21, 40974), (24, 40893),

Gene: LittleMunchkin_50 Start: 44298, Stop: 43924, Start Num: 5
Candidate Starts for LittleMunchkin_50:
(1, 44523), (Start: 5 @44298 has 10 MA's), (14, 44229), (20, 44175), (23, 44151), (30, 43965),

Gene: Mariokart_48 Start: 41216, Stop: 40896, Start Num: 10
Candidate Starts for Mariokart_48:
(Start: 5 @41234 has 10 MA's), (Start: 10 @41216 has 1 MA's), (20, 41138), (21, 41129), (25, 41012), (27, 41000),

Gene: PhluffyCoco_31 Start: 21194, Stop: 20853, Start Num: 9
Candidate Starts for PhluffyCoco_31:
(Start: 9 @21194 has 3 MA's), (Start: 12 @21176 has 1 MA's),

Gene: Pupper_45 Start: 15769, Stop: 16101, Start Num: 8
Candidate Starts for Pupper_45:
(2, 15514), (7, 15742), (Start: 8 @15769 has 3 MA's), (15, 15823), (16, 15832), (21, 15871), (24, 15955), (29, 16045),

Gene: Rattail_31 Start: 21290, Stop: 20949, Start Num: 9
Candidate Starts for Rattail_31:
(Start: 9 @21290 has 3 MA's), (Start: 12 @21272 has 1 MA's),

Gene: RedFox_31 Start: 21207, Stop: 20866, Start Num: 9
Candidate Starts for RedFox_31:
(Start: 9 @21207 has 3 MA's), (Start: 12 @21189 has 1 MA's),

Gene: SCentae_45 Start: 15768, Stop: 16100, Start Num: 8
Candidate Starts for SCentae_45:
(2, 15513), (7, 15741), (Start: 8 @15768 has 3 MA's), (15, 15822), (16, 15831), (21, 15870), (24, 15954), (29, 16044),

Gene: Shatter_48 Start: 41091, Stop: 40741, Start Num: 5
Candidate Starts for Shatter_48:
(Start: 5 @41091 has 10 MA's), (13, 41046), (14, 41037), (15, 41022), (21, 40974), (24, 40893),

Gene: Sisko_47 Start: 41439, Stop: 41065, Start Num: 5
Candidate Starts for Sisko_47:
(Start: 5 @41439 has 10 MA's), (13, 41379), (20, 41316), (21, 41307), (25, 41187),

Gene: Yago84_47 Start: 41514, Stop: 41140, Start Num: 5
Candidate Starts for Yago84_47:
(Start: 5 @41514 has 10 MA's), (13, 41454), (20, 41391), (21, 41382), (25, 41262),