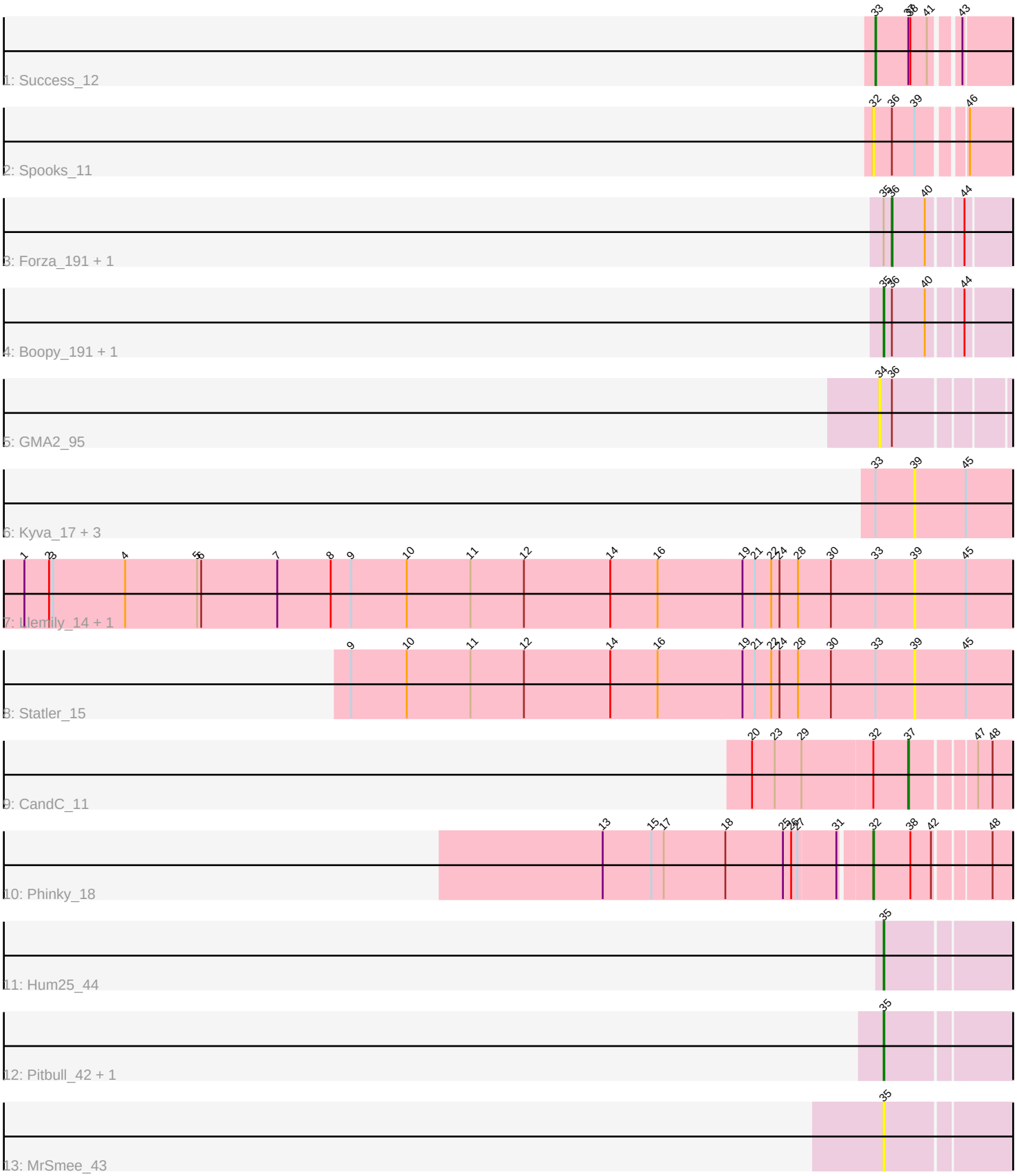
Pham 203324


1: Success_12
2: Spooks_11
3: Forza_191 + 1
4: Boopy_191 + 1
5: GMA2_95
6: Kyva_17 + 3
7: Ulemily_14 + 1
8: Statler_15
9: CandC_11
10: Phinky_18
11: Hum25_44
12: Pitbull_42 + 1
13: MrSmee_43

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 203324 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203324 has 20 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Success_12
• Track 2 : Spooks_11
• Track 3 : Forza_191, BlueNGold_187
• Track 4 : Boopy_191, Mareelih_188
• Track 5 : GMA2_95
• Track 6 : Kyva_17, EverythinBagel_14, Tissue_13, Zhafia_17
• Track 7 : Llemily_14, Sillytadpoles_14
• Track 8 : Statler_15
• Track 9 : CandC_11
• Track 10 : Phinky_18
• Track 11 : Hum25_44
• Track 12 : Pitbull_42, Skitty_44
• Track 13 : MrSmee_43

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

The start number called the most often in the published annotations is 35, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Boopy_191, Hum25_44, Mareelih_188, MrSmee_43, Pitbull_42, Skitty_44,

Genes that have the "Most Annotated" start but do not call it:
• BlueNGold_187, Forza_191,

Genes that do not have the "Most Annotated" start:
• CandC_11, EverythinBagel_14, GMA2_95, Kyva_17, Llemily_14, Phinky_18, Sillytadpoles_14, Spooks_11, Statler_15, Success_12, Tissue_13, Zhafia_17,

Summary by start number:

Start 32:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 1 of 9

• Called 66.7% of time when present
• Phage (with cluster) where this start called: Phinky_18 (EG), Spooks_11 (BT),

Start 33:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Success_12 (BT),

Start 34:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA2_95 (DS),

Start 35:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Boopy_191 (DS), Hum25_44 (FQ), Mareelih_188 (DS), MrSmee_43 (FQ), Pitbull_42 (FQ), Skitty_44 (FQ),

Start 36:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BlueNGold_187 (DS), Forza_191 (DS),

Start 37:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CandC_11 (EG),

Start 39:
• Found in 8 of 20 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 87.5% of time when present
• Phage (with cluster) where this start called: EverythinBagel_14 (EG), Kyva_17 (EG), Llemily_14 (EG), Sillytadpoles_14 (EG), Statler_15 (EG), Tissue_13 (EG), Zhafia_17 (EG),

Summary by clusters:

There are 4 clusters represented in this pham: BT, FQ, EG, DS,

Info for manual annotations of cluster BT:
•Start number 33 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster DS:
•Start number 35 was manually annotated 2 times for cluster DS.
•Start number 36 was manually annotated 2 times for cluster DS.

Info for manual annotations of cluster EG:
•Start number 32 was manually annotated 1 time for cluster EG.
•Start number 37 was manually annotated 1 time for cluster EG.

Info for manual annotations of cluster FQ:
•Start number 35 was manually annotated 2 times for cluster FQ.

Gene Information:

Gene: BlueNGold_187 Start: 109354, Stop: 109548, Start Num: 36
Candidate Starts for BlueNGold_187:
(Start: 35 @109342 has 4 MA's), (Start: 36 @109354 has 2 MA's), (40, 109402), (44, 109447),

Gene: Boopy_191 Start: 109353, Stop: 109559, Start Num: 35
Candidate Starts for Boopy_191:
(Start: 35 @109353 has 4 MA's), (Start: 36 @109365 has 2 MA's), (40, 109413), (44, 109458),

Gene: CandC_11 Start: 3165, Stop: 3016, Start Num: 37
Candidate Starts for CandC_11:
(20, 3390), (23, 3357), (29, 3318), (Start: 32 @3216 has 1 MA's), (Start: 37 @3165 has 1 MA's), (47, 3081), (48, 3060),

Gene: EverythinBagel_14 Start: 5038, Stop: 4880, Start Num: 39
Candidate Starts for EverythinBagel_14:
(Start: 33 @5095 has 1 MA's), (39, 5038), (45, 4963),

Gene: Forza_191 Start: 109282, Stop: 109476, Start Num: 36
Candidate Starts for Forza_191:
(Start: 35 @109270 has 4 MA's), (Start: 36 @109282 has 2 MA's), (40, 109330), (44, 109375),

Gene: GMA2_95 Start: 87367, Stop: 87170, Start Num: 34
Candidate Starts for GMA2_95:
(34, 87367), (Start: 36 @87349 has 2 MA's),

Gene: Hum25_44 Start: 27639, Stop: 27827, Start Num: 35
Candidate Starts for Hum25_44:
(Start: 35 @27639 has 4 MA's),

Gene: Kyva_17 Start: 5333, Stop: 5175, Start Num: 39
Candidate Starts for Kyva_17:
(Start: 33 @5390 has 1 MA's), (39, 5333), (45, 5258),

Gene: Llemily_14 Start: 4332, Stop: 4174, Start Num: 39
Candidate Starts for Llemily_14:
(1, 5628), (2, 5592), (3, 5586), (4, 5481), (5, 5376), (6, 5370), (7, 5259), (8, 5181), (9, 5151), (10, 5070), (11, 4977), (12, 4899), (14, 4773), (16, 4704), (19, 4581), (21, 4563), (22, 4539), (24, 4527), (28, 4500), (30, 4452), (Start: 33 @4389 has 1 MA's), (39, 4332), (45, 4257),

Gene: Mareelih_188 Start: 108788, Stop: 108994, Start Num: 35
Candidate Starts for Mareelih_188:
(Start: 35 @108788 has 4 MA's), (Start: 36 @108800 has 2 MA's), (40, 108848), (44, 108893),

Gene: MrSmee_43 Start: 28469, Stop: 28657, Start Num: 35
Candidate Starts for MrSmee_43:
(Start: 35 @28469 has 4 MA's),

Gene: Phinky_18 Start: 5034, Stop: 4834, Start Num: 32
Candidate Starts for Phinky_18:
(13, 5412), (15, 5343), (17, 5325), (18, 5235), (25, 5151), (26, 5139), (27, 5130), (31, 5076), (Start: 32 @5034 has 1 MA's), (38, 4980), (42, 4950), (48, 4878),

Gene: Pitbull_42 Start: 26865, Stop: 27053, Start Num: 35
Candidate Starts for Pitbull_42:
(Start: 35 @26865 has 4 MA's),

Gene: Sillytadpoles_14 Start: 4319, Stop: 4161, Start Num: 39
Candidate Starts for Sillytadpoles_14:
(1, 5615), (2, 5579), (3, 5573), (4, 5468), (5, 5363), (6, 5357), (7, 5246), (8, 5168), (9, 5138), (10, 5057), (11, 4964), (12, 4886), (14, 4760), (16, 4691), (19, 4568), (21, 4550), (22, 4526), (24, 4514), (28, 4487), (30, 4439), (Start: 33 @4376 has 1 MA's), (39, 4319), (45, 4244),

Gene: Skitty_44 Start: 26378, Stop: 26566, Start Num: 35
Candidate Starts for Skitty_44:
(Start: 35 @26378 has 4 MA's),

Gene: Spooks_11 Start: 9089, Stop: 8904, Start Num: 32
Candidate Starts for Spooks_11:
(Start: 32 @9089 has 1 MA's), (Start: 36 @9062 has 2 MA's), (39, 9029), (46, 8972),

Gene: Statler_15 Start: 4855, Stop: 4697, Start Num: 39
Candidate Starts for Statler_15:
(9, 5674), (10, 5593), (11, 5500), (12, 5422), (14, 5296), (16, 5227), (19, 5104), (21, 5086), (22, 5062), (24, 5050), (28, 5023), (30, 4975), (Start: 33 @4912 has 1 MA's), (39, 4855), (45, 4780),

Gene: Success_12 Start: 8329, Stop: 8147, Start Num: 33
Candidate Starts for Success_12:
(Start: 33 @8329 has 1 MA's), (Start: 37 @8281 has 1 MA's), (38, 8278), (41, 8254), (43, 8221),

Gene: Tissue_13 Start: 4687, Stop: 4529, Start Num: 39
Candidate Starts for Tissue_13:
(Start: 33 @4744 has 1 MA's), (39, 4687), (45, 4612),

Gene: Zhafia_17 Start: 5059, Stop: 4901, Start Num: 39
Candidate Starts for Zhafia_17:
(Start: 33 @5116 has 1 MA's), (39, 5059), (45, 4984),