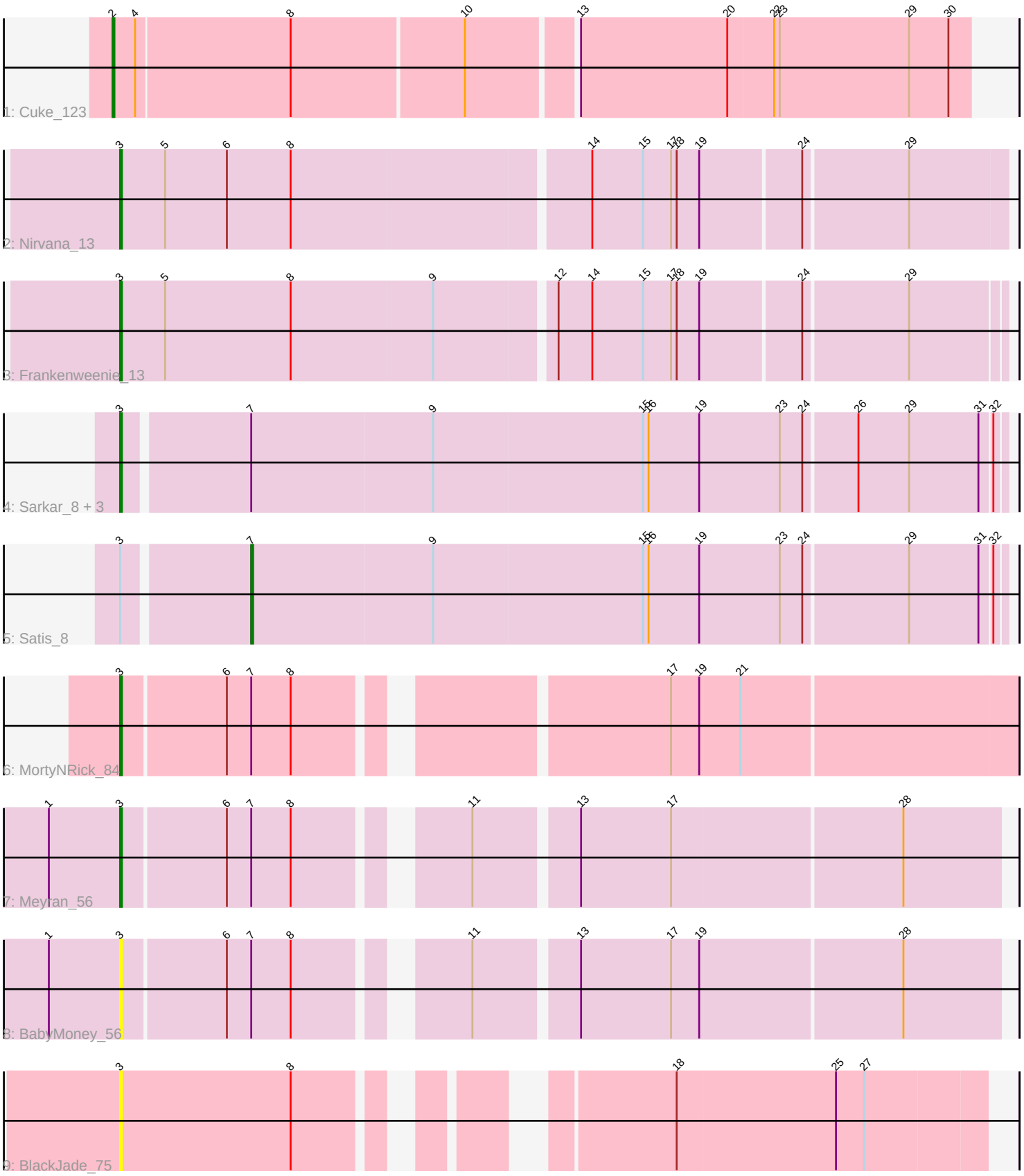
Pham 348212


2
4
8
10
13
20
22
23
29
30
1: Cuke_123
3
5
6
8
14
15
17
18
19
24
29
2: Nirvana_13
3
5
8
9
12
14
15
17
18
19
24
29
3: Frankenweenie_13
3
7
9
15
16
19
23
24
26
29
31
32
4: Sarkar_8 + 3
3
7
9
15
16
19
23
24
29
31
32
5: Satis_8
3
6
7
8
17
19
21
6: MortyNRick_84
1
3
6
7
8
11
13
17
28
7: Meyran_56
1
3
6
7
8
11
13
17
19
28
8: BabyMoney_56
3
8
18
25
27
9: BlackJade_75

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 348212 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348212 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Cuke_123
• Track 2 : Nirvana_13
• Track 3 : Frankenweenie_13
• Track 4 : Sarkar_8, Kradal_8, Quantum_8, EhyElimayoE_8
• Track 5 : Satis_8
• Track 6 : MortyNRick_84
• Track 7 : Meyran_56
• Track 8 : BabyMoney_56
• Track 9 : BlackJade_75

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabyMoney_56, BlackJade_75, EhyElimayoE_8, Frankenweenie_13, Kradal_8, Meyran_56, MortyNRick_84, Nirvana_13, Quantum_8, Sarkar_8,

Genes that have the "Most Annotated" start but do not call it:
• Satis_8,

Genes that do not have the "Most Annotated" start:
• Cuke_123,

Summary by start number:

Start 2:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cuke_123 (AC),

Start 3:

• Found in 11 of 12 (91.7%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 90.9% of time when present
• Phage (with cluster) where this start called: BabyMoney_56 (DT), BlackJade_75 (FL), EhyElimayoE_8 (BM), Frankenweenie_13 (BM), Kradal_8 (BM), Meyran_56 (DT), MortyNRick_84 (DN), Nirvana_13 (BM), Quantum_8 (BM), Sarkar_8 (BM),

Start 7:
• Found in 8 of 12 (66.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Satis_8 (BM),

Summary by clusters:

There are 5 clusters represented in this pham: DN, BM, DT, FL, AC,

Info for manual annotations of cluster AC:
•Start number 2 was manually annotated 1 time for cluster AC.

Info for manual annotations of cluster BM:
•Start number 3 was manually annotated 6 times for cluster BM.
•Start number 7 was manually annotated 1 time for cluster BM.

Info for manual annotations of cluster DN:
•Start number 3 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DT:
•Start number 3 was manually annotated 1 time for cluster DT.

Gene Information:

Gene: BabyMoney_56 Start: 40945, Stop: 41376, Start Num: 3
Candidate Starts for BabyMoney_56:
(1, 40909), (Start: 3 @40945 has 8 MA's), (6, 40999), (Start: 7 @41011 has 1 MA's), (8, 41032), (11, 41107), (13, 41158), (17, 41206), (19, 41221), (28, 41326),

Gene: BlackJade_75 Start: 42088, Stop: 42492, Start Num: 3
Candidate Starts for BlackJade_75:
(Start: 3 @42088 has 8 MA's), (8, 42178), (18, 42331), (25, 42415), (27, 42430),

Gene: Cuke_123 Start: 65988, Stop: 66431, Start Num: 2
Candidate Starts for Cuke_123:
(Start: 2 @65988 has 1 MA's), (4, 66000), (8, 66081), (10, 66171), (13, 66225), (20, 66303), (22, 66327), (23, 66330), (29, 66399), (30, 66420),

Gene: EhyElimayoE_8 Start: 5038, Stop: 4583, Start Num: 3
Candidate Starts for EhyElimayoE_8:
(Start: 3 @5038 has 8 MA's), (Start: 7 @4975 has 1 MA's), (9, 4879), (15, 4768), (16, 4765), (19, 4738), (23, 4696), (24, 4684), (26, 4657), (29, 4630), (31, 4594), (32, 4588),

Gene: Frankenweenie_13 Start: 6271, Stop: 5819, Start Num: 3
Candidate Starts for Frankenweenie_13:
(Start: 3 @6271 has 8 MA's), (5, 6247), (8, 6181), (9, 6106), (12, 6046), (14, 6028), (15, 6001), (17, 5986), (18, 5983), (19, 5971), (24, 5920), (29, 5866),

Gene: Kradal_8 Start: 5038, Stop: 4583, Start Num: 3
Candidate Starts for Kradal_8:
(Start: 3 @5038 has 8 MA's), (Start: 7 @4975 has 1 MA's), (9, 4879), (15, 4768), (16, 4765), (19, 4738), (23, 4696), (24, 4684), (26, 4657), (29, 4630), (31, 4594), (32, 4588),

Gene: Meyran_56 Start: 41269, Stop: 41700, Start Num: 3
Candidate Starts for Meyran_56:
(1, 41233), (Start: 3 @41269 has 8 MA's), (6, 41323), (Start: 7 @41335 has 1 MA's), (8, 41356), (11, 41431), (13, 41482), (17, 41530), (28, 41650),

Gene: MortyNRick_84 Start: 49379, Stop: 49819, Start Num: 3
Candidate Starts for MortyNRick_84:
(Start: 3 @49379 has 8 MA's), (6, 49433), (Start: 7 @49445 has 1 MA's), (8, 49466), (17, 49640), (19, 49655), (21, 49676),

Gene: Nirvana_13 Start: 6535, Stop: 6080, Start Num: 3
Candidate Starts for Nirvana_13:
(Start: 3 @6535 has 8 MA's), (5, 6511), (6, 6478), (8, 6445), (14, 6292), (15, 6265), (17, 6250), (18, 6247), (19, 6235), (24, 6184), (29, 6130),

Gene: Quantum_8 Start: 5038, Stop: 4583, Start Num: 3
Candidate Starts for Quantum_8:
(Start: 3 @5038 has 8 MA's), (Start: 7 @4975 has 1 MA's), (9, 4879), (15, 4768), (16, 4765), (19, 4738), (23, 4696), (24, 4684), (26, 4657), (29, 4630), (31, 4594), (32, 4588),

Gene: Sarkar_8 Start: 5038, Stop: 4583, Start Num: 3
Candidate Starts for Sarkar_8:
(Start: 3 @5038 has 8 MA's), (Start: 7 @4975 has 1 MA's), (9, 4879), (15, 4768), (16, 4765), (19, 4738), (23, 4696), (24, 4684), (26, 4657), (29, 4630), (31, 4594), (32, 4588),

Gene: Satis_8 Start: 4971, Stop: 4579, Start Num: 7
Candidate Starts for Satis_8:
(Start: 3 @5034 has 8 MA's), (Start: 7 @4971 has 1 MA's), (9, 4875), (15, 4764), (16, 4761), (19, 4734), (23, 4692), (24, 4680), (29, 4626), (31, 4590), (32, 4584),