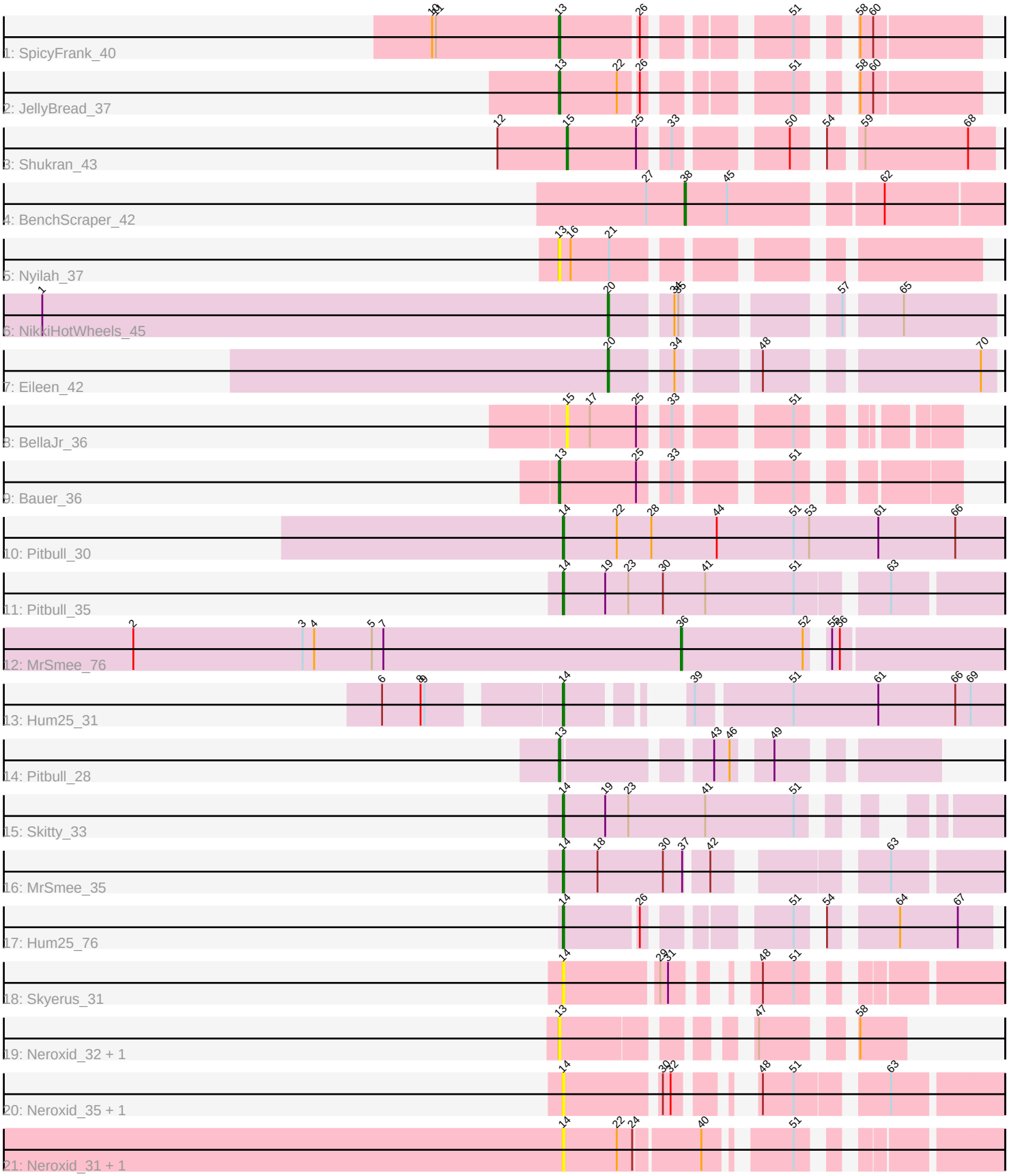
Pham 346108


1: SpicyFrank_40
2: JellyBread_37
3: Shukran_43
4: BenchScraper_42
5: Nyilah_37
6: NikkiHotWheels_45
7: Eileen_42
8: BellaJr_36
9: Bauer_36
10: Pitbull_30
11: Pitbull_35
12: MrSmee_76
13: Hum25_31
14: Pitbull_28
15: Skitty_33
16: MrSmee_35
17: Hum25_76
18: Skyerus_31
19: Neroxid_32 + 1
20: Neroxid_35 + 1
21: Neroxid_31 + 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 346108 Report

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

Pham number 346108 has 24 members, 9 are drafts.

Phages represented in each track:
- Track 1 : SpicyFrank_40
- Track 2 : JellyBread_37
- Track 3 : Shukran_43
- Track 4 : BenchScraper_42
- Track 5 : Nyilah_37
- Track 6 : NikkiHotWheels_45
- Track 7 : Eileen_42
- Track 8 : BellaJr_36
- Track 9 : Bauer_36
- Track 10 : Pitbull_30
- Track 11 : Pitbull_35
- Track 12 : MrSmee_76
- Track 13 : Hum25_31
- Track 14 : Pitbull_28
- Track 15 : Skitty_33
- Track 16 : MrSmee_35
- Track 17 : Hum25_76
- Track 18 : Skyerus_31
- Track 19 : Neroxid_32, Raya_32
- Track 20 : Neroxid_35, Raya_35
- Track 21 : Neroxid_31, Raya_31

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

The start number called the most often in the published annotations is 14, it was called in 6 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Hum25_31, Hum25_76, MrSmee_35, Neroxid_31, Neroxid_35, Pitbull_30, Pitbull_35, Raya_31, Raya_35, Skitty_33, Skyerus_31,

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

Genes that do not have the "Most Annotated" start:
• Bauer_36, BellaJr_36, BenchScraper_42, Eileen_42, JellyBread_37, MrSmee_76, Neroxid_32, NikkiHotWheels_45, Nyilah_37, Pitbull_28, Raya_32, Shukran_43, SpicyFrank_40,

Summary by start number:

Start 13:
• Found in 7 of 24 (29.2%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_36 (FN), JellyBread_37 (AY), Neroxid_32 (FQ2), Nyilah_37 (AY), Pitbull_28 (FQ1), Raya_32 (FQ2), SpicyFrank_40 (AY),

Start 14:
• Found in 11 of 24 (45.8%) of genes in pham
• Manual Annotations of this start: 6 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_31 (FQ1), Hum25_76 (FQ1), MrSmee_35 (FQ1), Neroxid_31 (FQ2), Neroxid_35 (FQ2), Pitbull_30 (FQ1), Pitbull_35 (FQ1), Raya_31 (FQ2), Raya_35 (FQ2), Skitty_33 (FQ1), Skyerus_31 (FQ2),

Start 15:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BellaJr_36 (FN), Shukran_43 (AY),

Start 20:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eileen_42 (FA), NikkiHotWheels_45 (FA),

Start 36:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_76 (FQ1),

Start 38:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BenchScraper_42 (AY),

Summary by clusters:

There are 5 clusters represented in this pham: FQ2, AY, FQ1, FN, FA,

Info for manual annotations of cluster AY:
•Start number 13 was manually annotated 2 times for cluster AY.
•Start number 15 was manually annotated 1 time for cluster AY.
•Start number 38 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FA:
•Start number 20 was manually annotated 2 times for cluster FA.

Info for manual annotations of cluster FN:
•Start number 13 was manually annotated 1 time for cluster FN.

Info for manual annotations of cluster FQ1:
•Start number 13 was manually annotated 1 time for cluster FQ1.
•Start number 14 was manually annotated 6 times for cluster FQ1.
•Start number 36 was manually annotated 1 time for cluster FQ1.

Gene Information:

Gene: Bauer_36 Start: 26236, Stop: 26484, Start Num: 13
Candidate Starts for Bauer_36:
(Start: 13 @26236 has 4 MA's), (25, 26296), (33, 26314), (51, 26386),

Gene: BellaJr_36 Start: 27299, Stop: 27532, Start Num: 15
Candidate Starts for BellaJr_36:
(Start: 15 @27299 has 1 MA's), (17, 27317), (25, 27353), (33, 27371), (51, 27443),

Gene: BenchScraper_42 Start: 27914, Stop: 27690, Start Num: 38
Candidate Starts for BenchScraper_42:
(27, 27944), (Start: 38 @27914 has 1 MA's), (45, 27881), (62, 27779),

Gene: Eileen_42 Start: 28759, Stop: 29007, Start Num: 20
Candidate Starts for Eileen_42:
(Start: 20 @28759 has 2 MA's), (34, 28801), (48, 28852), (70, 28996),

Gene: Hum25_31 Start: 23411, Stop: 23121, Start Num: 14
Candidate Starts for Hum25_31:
(6, 23534), (8, 23504), (9, 23501), (Start: 14 @23411 has 6 MA's), (39, 23354), (51, 23285), (61, 23219), (66, 23159), (69, 23147),

Gene: Hum25_76 Start: 39195, Stop: 39458, Start Num: 14
Candidate Starts for Hum25_76:
(Start: 14 @39195 has 6 MA's), (26, 39249), (51, 39333), (54, 39345), (64, 39387), (67, 39432),

Gene: JellyBread_37 Start: 26498, Stop: 26244, Start Num: 13
Candidate Starts for JellyBread_37:
(Start: 13 @26498 has 4 MA's), (22, 26453), (26, 26441), (51, 26357), (58, 26333), (60, 26324),

Gene: MrSmee_76 Start: 39736, Stop: 39966, Start Num: 36
Candidate Starts for MrSmee_76:

(2, 39310), (3, 39442), (4, 39451), (5, 39496), (7, 39505), (Start: 36 @39736 has 1 MA's), (52, 39829), (55, 39838), (56, 39844),

Gene: MrSmee_35 Start: 26014, Stop: 25721, Start Num: 14
Candidate Starts for MrSmee_35:
(Start: 14 @26014 has 6 MA's), (18, 25987), (30, 25936), (37, 25921), (42, 25906), (63, 25801),

Gene: Neroxid_32 Start: 23026, Stop: 22829, Start Num: 13
Candidate Starts for Neroxid_32:
(Start: 13 @23026 has 4 MA's), (47, 22915), (58, 22861),

Gene: Neroxid_35 Start: 24693, Stop: 24421, Start Num: 14
Candidate Starts for Neroxid_35:
(Start: 14 @24693 has 6 MA's), (30, 24624), (32, 24618), (48, 24585), (51, 24561), (63, 24501),

Gene: Neroxid_31 Start: 22832, Stop: 22557, Start Num: 14
Candidate Starts for Neroxid_31:
(Start: 14 @22832 has 6 MA's), (22, 22790), (24, 22778), (40, 22730), (51, 22679),

Gene: NikkiHotWheels_45 Start: 29764, Stop: 30012, Start Num: 20
Candidate Starts for NikkiHotWheels_45:
(1, 29323), (Start: 20 @29764 has 2 MA's), (34, 29806), (35, 29809), (57, 29905), (65, 29941),

Gene: Nyilah_37 Start: 26243, Stop: 25974, Start Num: 13
Candidate Starts for Nyilah_37:
(Start: 13 @26243 has 4 MA's), (16, 26234), (21, 26204),

Gene: Pitbull_30 Start: 22819, Stop: 22475, Start Num: 14
Candidate Starts for Pitbull_30:
(Start: 14 @22819 has 6 MA's), (22, 22777), (28, 22750), (44, 22699), (51, 22639), (53, 22627), (61, 22573), (66, 22513),

Gene: Pitbull_35 Start: 25095, Stop: 24775, Start Num: 14
Candidate Starts for Pitbull_35:
(Start: 14 @25095 has 6 MA's), (19, 25062), (23, 25044), (30, 25017), (41, 24984), (51, 24915), (63, 24855),

Gene: Pitbull_28 Start: 22251, Stop: 22015, Start Num: 13
Candidate Starts for Pitbull_28:
(Start: 13 @22251 has 4 MA's), (43, 22152), (46, 22140), (49, 22119),

Gene: Raya_35 Start: 24693, Stop: 24421, Start Num: 14
Candidate Starts for Raya_35:
(Start: 14 @24693 has 6 MA's), (30, 24624), (32, 24618), (48, 24585), (51, 24561), (63, 24501),

Gene: Raya_31 Start: 22832, Stop: 22557, Start Num: 14
Candidate Starts for Raya_31:
(Start: 14 @22832 has 6 MA's), (22, 22790), (24, 22778), (40, 22730), (51, 22679),

Gene: Raya_32 Start: 23026, Stop: 22829, Start Num: 13
Candidate Starts for Raya_32:
(Start: 13 @23026 has 4 MA's), (47, 22915), (58, 22861),

Gene: Shukran_43 Start: 28688, Stop: 28416, Start Num: 15
Candidate Starts for Shukran_43:
(12, 28742), (Start: 15 @28688 has 1 MA's), (25, 28634), (33, 28616), (50, 28547), (54, 28532), (59, 28514), (68, 28436),

Gene: Skitty_33 Start: 24641, Stop: 24363, Start Num: 14
Candidate Starts for Skitty_33:
(Start: 14 @24641 has 6 MA's), (19, 24608), (23, 24590), (41, 24530), (51, 24461),

Gene: Skyerus_31 Start: 22811, Stop: 22557, Start Num: 14
Candidate Starts for Skyerus_31:
(Start: 14 @22811 has 6 MA's), (29, 22742), (31, 22736), (48, 22703), (51, 22679),

Gene: SpicyFrank_40 Start: 27728, Stop: 27474, Start Num: 13
Candidate Starts for SpicyFrank_40:
(10, 27827), (11, 27824), (Start: 13 @27728 has 4 MA's), (26, 27671), (51, 27587), (58, 27563), (60, 27554),