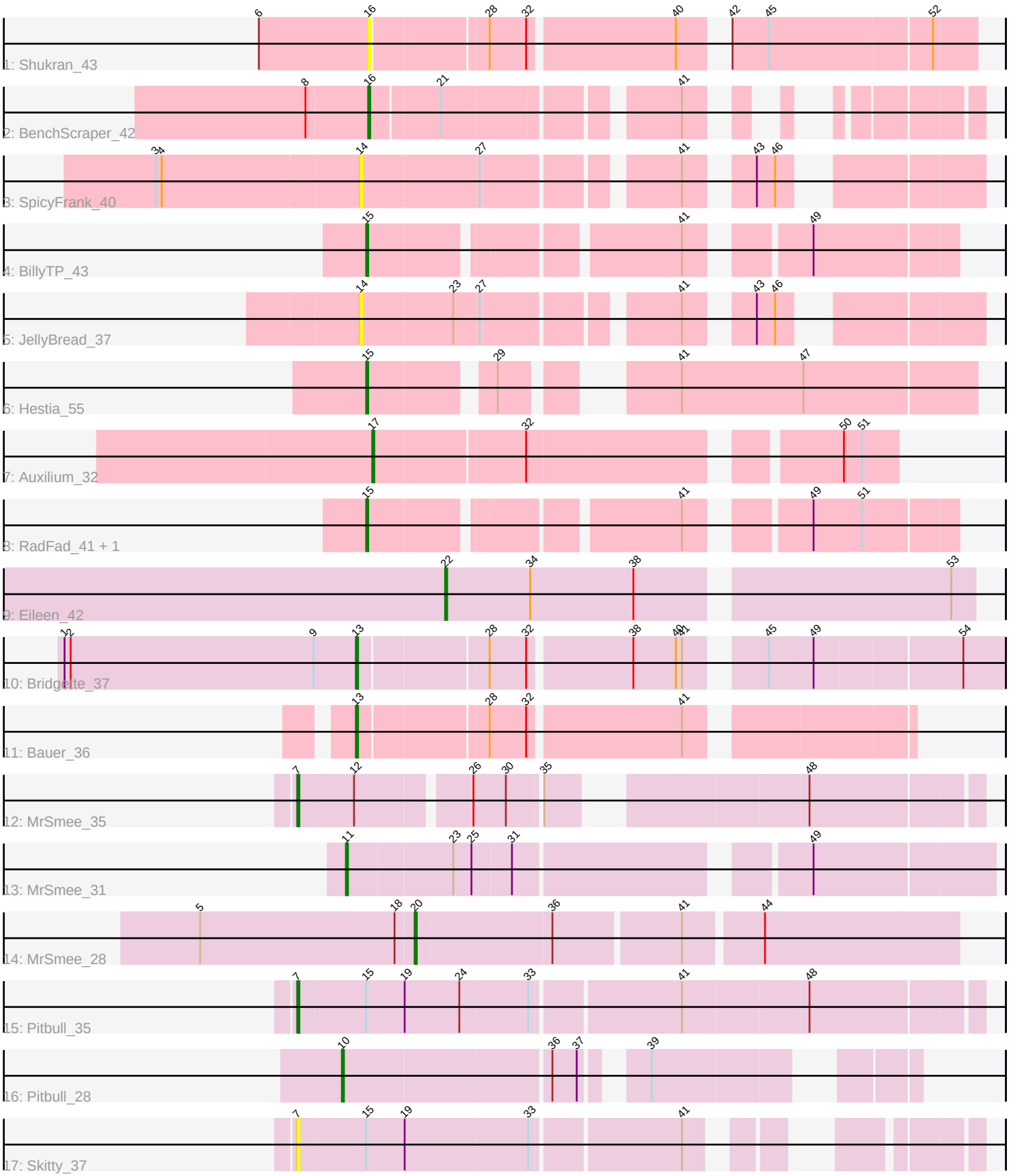
Pham 216628


1: Shukran_43
2: BenchScraper_42
3: SpicyFrank_40
4: BillyTP_43
5: JellyBread_37
6: Hestia_55
7: Auxilium_32
8: RadFad_41 + 1
9: Eileen_42
10: Bridgette_37
11: Bauer_36
12: MrSmee_35
13: MrSmee_31
14: MrSmee_28
15: Pitbull_35
16: Pitbull_28
17: Skitty_37

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 216628 Report

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

Pham number 216628 has 18 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Shukran_43
• Track 2 : BenchScraper_42
• Track 3 : SpicyFrank_40
• Track 4 : BillyTP_43
• Track 5 : JellyBread_37
• Track 6 : Hestia_55
• Track 7 : Auxilium_32
• Track 8 : RadFad_41, Hillester_41
• Track 9 : Eileen_42
• Track 10 : Bridgette_37
• Track 11 : Bauer_36
• Track 12 : MrSmee_35
• Track 13 : MrSmee_31
• Track 14 : MrSmee_28
• Track 15 : Pitbull_35
• Track 16 : Pitbull_28
• Track 17 : Skitty_37

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

The start number called the most often in the published annotations is 15, it was called in 3 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillyTP_43, Hestia_55, Hillester_41, RadFad_41,

Genes that have the "Most Annotated" start but do not call it:
• Pitbull_35, Skitty_37,

Genes that do not have the "Most Annotated" start:
• Auxilium_32, Bauer_36, BenchScraper_42, Bridgette_37, Eileen_42, JellyBread_37, MrSmee_28, MrSmee_31, MrSmee_35, Pitbull_28, Shukran_43, SpicyFrank_40,

Summary by start number:

Start 7:
• Found in 3 of 18 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_35 (FQ), Pitbull_35 (FQ), Skitty_37 (FQ),

Start 10:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pitbull_28 (FQ),

Start 11:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_31 (FQ),

Start 13:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bauer_36 (FN), Bridgette_37 (FA),

Start 14:
• Found in 2 of 18 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JellyBread_37 (AY), SpicyFrank_40 (AY),

Start 15:
• Found in 6 of 18 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 13
• Called 66.7% of time when present
• Phage (with cluster) where this start called: BillyTP_43 (AY), Hestia_55 (AY), Hillester_41 (AY), RadFad_41 (AY),

Start 16:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BenchScraper_42 (AY), Shukran_43 (AY),

Start 17:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auxilium_32 (AY),

Start 20:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_28 (FQ),

Start 22:
• Found in 1 of 18 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eileen_42 (FA),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FQ, FN, FA,

Info for manual annotations of cluster AY:
•Start number 15 was manually annotated 3 times for cluster AY.
•Start number 16 was manually annotated 1 time for cluster AY.
•Start number 17 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FA:
•Start number 13 was manually annotated 1 time for cluster FA.
•Start number 22 was manually annotated 1 time 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 FQ:
•Start number 7 was manually annotated 2 times for cluster FQ.
•Start number 10 was manually annotated 1 time for cluster FQ.
•Start number 11 was manually annotated 1 time for cluster FQ.
•Start number 20 was manually annotated 1 time for cluster FQ.

Gene Information:

Gene: Auxilium_32 Start: 21344, Stop: 21577, Start Num: 17
Candidate Starts for Auxilium_32:
(Start: 17 @21344 has 1 MA's), (32, 21416), (50, 21551), (51, 21560),

Gene: Bauer_36 Start: 26236, Stop: 26484, Start Num: 13
Candidate Starts for Bauer_36:
(Start: 13 @26236 has 2 MA's), (28, 26296), (32, 26314), (41, 26386),

Gene: BenchScraper_42 Start: 27914, Stop: 27690, Start Num: 16
Candidate Starts for BenchScraper_42:
(8, 27944), (Start: 16 @27914 has 1 MA's), (21, 27881), (41, 27779),

Gene: BillyTP_43 Start: 29327, Stop: 29073, Start Num: 15
Candidate Starts for BillyTP_43:
(Start: 15 @29327 has 3 MA's), (41, 29189), (49, 29141),

Gene: Bridgette_37 Start: 26378, Stop: 26668, Start Num: 13
Candidate Starts for Bridgette_37:
(1, 26234), (2, 26237), (9, 26357), (Start: 13 @26378 has 2 MA's), (28, 26438), (32, 26456), (38, 26504), (40, 26525), (41, 26528), (45, 26558), (49, 26579), (54, 26648),

Gene: Eileen_42 Start: 28759, Stop: 29007, Start Num: 22
Candidate Starts for Eileen_42:
(Start: 22 @28759 has 1 MA's), (34, 28801), (38, 28852), (53, 28996),

Gene: Hestia_55 Start: 31927, Stop: 32184, Start Num: 15
Candidate Starts for Hestia_55:
(Start: 15 @31927 has 3 MA's), (29, 31981), (41, 32041), (47, 32101),

Gene: Hillester_41 Start: 28078, Stop: 27824, Start Num: 15
Candidate Starts for Hillester_41:
(Start: 15 @28078 has 3 MA's), (41, 27940), (49, 27892), (51, 27868),

Gene: JellyBread_37 Start: 26498, Stop: 26244, Start Num: 14
Candidate Starts for JellyBread_37:
(14, 26498), (23, 26453), (27, 26441), (41, 26357), (43, 26333), (46, 26324),

Gene: MrSmee_35 Start: 26014, Stop: 25721, Start Num: 7
Candidate Starts for MrSmee_35:
(Start: 7 @26014 has 2 MA's), (12, 25987), (26, 25936), (30, 25921), (35, 25906), (48, 25801),

Gene: MrSmee_31 Start: 23680, Stop: 23387, Start Num: 11
Candidate Starts for MrSmee_31:
(Start: 11 @23680 has 1 MA's), (23, 23629), (25, 23620), (31, 23602), (49, 23473),

Gene: MrSmee_28 Start: 22939, Stop: 22682, Start Num: 20
Candidate Starts for MrSmee_28:
(5, 23044), (18, 22948), (Start: 20 @22939 has 1 MA's), (36, 22873), (41, 22813), (44, 22777),

Gene: Pitbull_35 Start: 25095, Stop: 24775, Start Num: 7
Candidate Starts for Pitbull_35:
(Start: 7 @25095 has 2 MA's), (Start: 15 @25062 has 3 MA's), (19, 25044), (24, 25017), (33, 24984), (41, 24915), (48, 24855),

Gene: Pitbull_28 Start: 22251, Stop: 22015, Start Num: 10
Candidate Starts for Pitbull_28:
(Start: 10 @22251 has 1 MA's), (36, 22152), (37, 22140), (39, 22119),

Gene: RadFad_41 Start: 28078, Stop: 27824, Start Num: 15
Candidate Starts for RadFad_41:
(Start: 15 @28078 has 3 MA's), (41, 27940), (49, 27892), (51, 27868),

Gene: Shukran_43 Start: 28688, Stop: 28416, Start Num: 16
Candidate Starts for Shukran_43:
(6, 28742), (Start: 16 @28688 has 1 MA's), (28, 28634), (32, 28616), (40, 28547), (42, 28532), (45, 28514), (52, 28436),

Gene: Skitty_37 Start: 24641, Stop: 24363, Start Num: 7

Candidate Starts for Skitty_37:
(Start: 7 @24641 has 2 MA's), (Start: 15 @24608 has 3 MA's), (19, 24590), (33, 24530), (41, 24461),

Gene: SpicyFrank_40 Start: 27728, Stop: 27474, Start Num: 14
Candidate Starts for SpicyFrank_40:
(3, 27827), (4, 27824), (14, 27728), (27, 27671), (41, 27587), (43, 27563), (46, 27554),