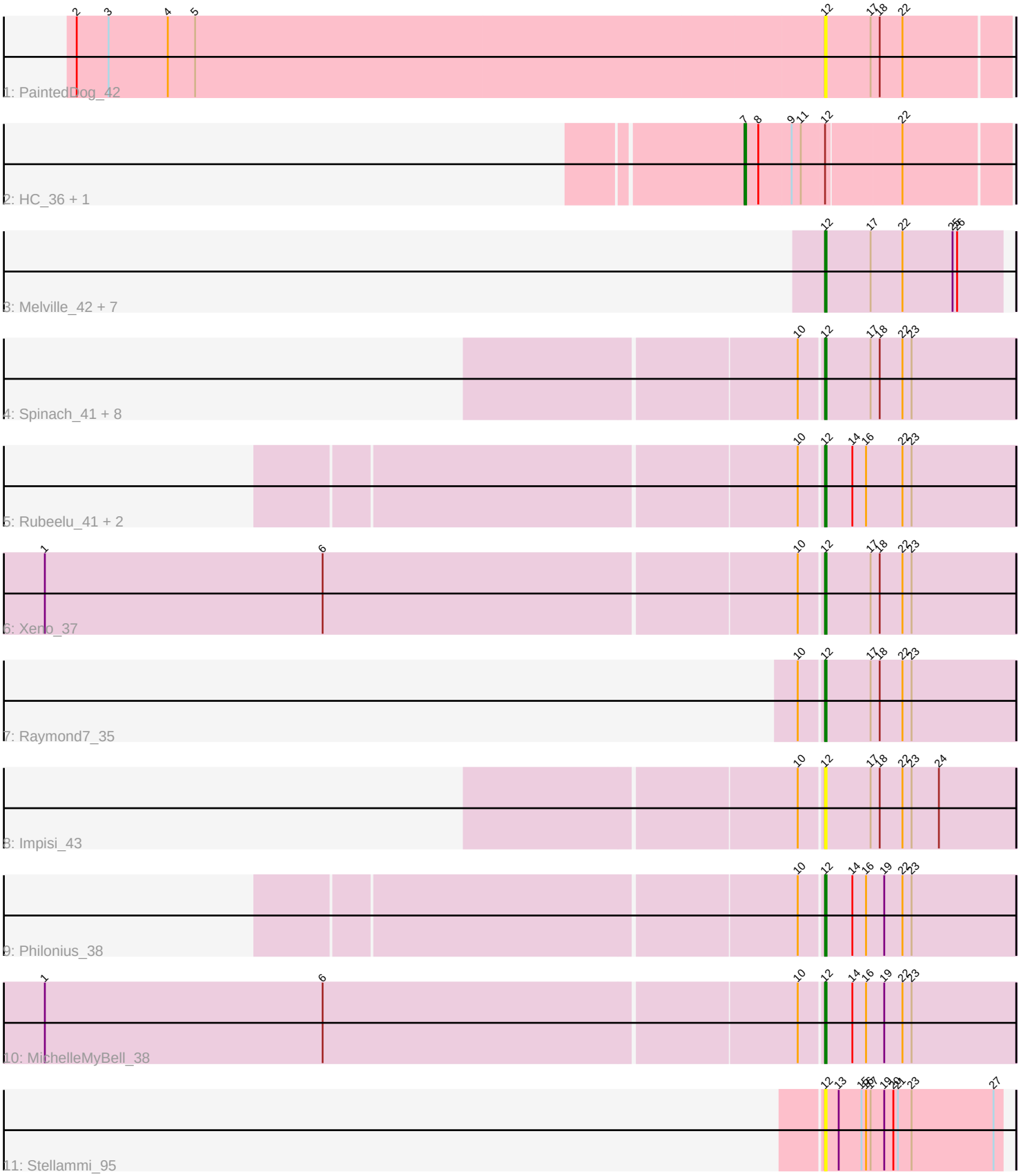
Pham 289640


1: PaintedDog_42
2: HC_36 + 1
3: Melville_42 + 7
4: Spinach_41 + 8
5: Rubeelu_41 + 2
6: Xeno_37
7: Raymond7_35
8: Impisi_43
9: Philonius_38
10: MichelleMyBell_38
11: Stellammi_95

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 289640 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289640 has 29 members, 4 are drafts.

Phages represented in each track:
• Track 1 : PaintedDog_42
• Track 2 : HC_36, Babsiella_38
• Track 3 : Melville_42, SkinnyPete_35, Cubone_40, Schnauzer_40, Charlie_38, Tapioca_41, Chewbacca_41, Tortoise12_38
• Track 4 : Spinach_41, BabeRuth_42, Nenae_41, Redi_41, Rebel_33, Purgamenstris_41, Hanako_41, ShrimpFriedEgg_41, PhancyPhin_41
• Track 5 : Rubeelu_41, Butters_41, Kevin1_39
• Track 6 : Xeno_37
• Track 7 : Raymond7_35
• Track 8 : Impisi_43
• Track 9 : Philonius_38
• Track 10 : MichelleMyBell_38
• Track 11 : Stellammi_95

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

The start number called the most often in the published annotations is 12, it was called in 23 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabeRuth_42, Butters_41, Charlie_38, Chewbacca_41, Cubone_40, Hanako_41, Impisi_43, Kevin1_39, Melville_42, MichelleMyBell_38, Nenae_41, PaintedDog_42, PhancyPhin_41, Philonius_38, Purgamenstris_41, Raymond7_35, Rebel_33, Redi_41, Rubeelu_41, Schnauzer_40, ShrimpFriedEgg_41, SkinnyPete_35, Spinach_41, Stellammi_95, Tapioca_41, Tortoise12_38, Xeno_37,

Genes that have the "Most Annotated" start but do not call it:
• Babsiella_38, HC_36,

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

Summary by start number:

Start 7:
• Found in 2 of 29 (6.9%) of genes in pham
• Manual Annotations of this start: 2 of 25
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babsiella_38 (I1), HC_36 (I1),

Start 12:
• Found in 29 of 29 (100.0%) of genes in pham
• Manual Annotations of this start: 23 of 25
• Called 93.1% of time when present
• Phage (with cluster) where this start called: BabeRuth_42 (N), Butters_41 (N), Charlie_38 (N), Chewbacca_41 (N), Cubone_40 (N), Hanako_41 (N), Impisi_43 (N), Kevin1_39 (N), Melville_42 (N), MichelleMyBell_38 (N), Nenae_41 (N), PaintedDog_42 (I1), PhancyPhin_41 (N), Philonius_38 (N), Purgamenstris_41 (N), Raymond7_35 (N), Rebel_33 (N), Redi_41 (N), Rubeelu_41 (N), Schnauzer_40 (N), ShrimpFriedEgg_41 (N), SkinnyPete_35 (N), Spinach_41 (N), Stellammi_95 (UNK), Tapioca_41 (N), Tortoise12_38 (N), Xeno_37 (N),

Summary by clusters:

There are 3 clusters represented in this pham: I1, UNK, N,

Info for manual annotations of cluster I1:
•Start number 7 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster N:
•Start number 12 was manually annotated 23 times for cluster N.

Gene Information:

Gene: BabeRuth_42 Start: 30081, Stop: 30206, Start Num: 12
Candidate Starts for BabeRuth_42:
(10, 30066), (Start: 12 @30081 has 23 MA's), (17, 30111), (18, 30117), (22, 30132), (23, 30138),

Gene: Babsiella_38 Start: 30039, Stop: 30206, Start Num: 7
Candidate Starts for Babsiella_38:
(Start: 7 @30039 has 2 MA's), (8, 30048), (9, 30069), (11, 30075), (Start: 12 @30090 has 23 MA's), (22, 30138),

Gene: Butters_41 Start: 30498, Stop: 30623, Start Num: 12
Candidate Starts for Butters_41:
(10, 30483), (Start: 12 @30498 has 23 MA's), (14, 30516), (16, 30525), (22, 30549), (23, 30555),

Gene: Charlie_38 Start: 28533, Stop: 28649, Start Num: 12
Candidate Starts for Charlie_38:
(Start: 12 @28533 has 23 MA's), (17, 28563), (22, 28584), (25, 28617), (26, 28620),

Gene: Chewbacca_41 Start: 29842, Stop: 29958, Start Num: 12
Candidate Starts for Chewbacca_41:
(Start: 12 @29842 has 23 MA's), (17, 29872), (22, 29893), (25, 29926), (26, 29929),

Gene: Cubone_40 Start: 28555, Stop: 28671, Start Num: 12
Candidate Starts for Cubone_40:
(Start: 12 @28555 has 23 MA's), (17, 28585), (22, 28606), (25, 28639), (26, 28642),

Gene: HC_36 Start: 28820, Stop: 28987, Start Num: 7
Candidate Starts for HC_36:
(Start: 7 @28820 has 2 MA's), (8, 28829), (9, 28850), (11, 28856), (Start: 12 @28871 has 23 MA's), (22, 28919),

Gene: Hanako_41 Start: 30080, Stop: 30205, Start Num: 12
Candidate Starts for Hanako_41:
(10, 30065), (Start: 12 @30080 has 23 MA's), (17, 30110), (18, 30116), (22, 30131), (23, 30137),

Gene: Impisi_43 Start: 30636, Stop: 30761, Start Num: 12
Candidate Starts for Impisi_43:
(10, 30621), (Start: 12 @30636 has 23 MA's), (17, 30666), (18, 30672), (22, 30687), (23, 30693), (24, 30711),

Gene: Kevin1_39 Start: 29677, Stop: 29802, Start Num: 12
Candidate Starts for Kevin1_39:
(10, 29662), (Start: 12 @29677 has 23 MA's), (14, 29695), (16, 29704), (22, 29728), (23, 29734),

Gene: Melville_42 Start: 29843, Stop: 29959, Start Num: 12
Candidate Starts for Melville_42:
(Start: 12 @29843 has 23 MA's), (17, 29873), (22, 29894), (25, 29927), (26, 29930),

Gene: MichelleMyBell_38 Start: 28769, Stop: 28894, Start Num: 12
Candidate Starts for MichelleMyBell_38:
(1, 28265), (6, 28448), (10, 28754), (Start: 12 @28769 has 23 MA's), (14, 28787), (16, 28796), (19, 28808), (22, 28820), (23, 28826),

Gene: Nenae_41 Start: 30083, Stop: 30208, Start Num: 12
Candidate Starts for Nenae_41:
(10, 30068), (Start: 12 @30083 has 23 MA's), (17, 30113), (18, 30119), (22, 30134), (23, 30140),

Gene: PaintedDog_42 Start: 31718, Stop: 31837, Start Num: 12
Candidate Starts for PaintedDog_42:
(2, 31229), (3, 31250), (4, 31289), (5, 31307), (Start: 12 @31718 has 23 MA's), (17, 31748), (18, 31754), (22, 31769),

Gene: PhancyPhin_41 Start: 30077, Stop: 30202, Start Num: 12
Candidate Starts for PhancyPhin_41:
(10, 30062), (Start: 12 @30077 has 23 MA's), (17, 30107), (18, 30113), (22, 30128), (23, 30134),

Gene: Philonius_38 Start: 28437, Stop: 28562, Start Num: 12
Candidate Starts for Philonius_38:
(10, 28422), (Start: 12 @28437 has 23 MA's), (14, 28455), (16, 28464), (19, 28476), (22, 28488), (23, 28494),

Gene: Purgamenstris_41 Start: 30081, Stop: 30206, Start Num: 12
Candidate Starts for Purgamenstris_41:
(10, 30066), (Start: 12 @30081 has 23 MA's), (17, 30111), (18, 30117), (22, 30132), (23, 30138),

Gene: Raymond7_35 Start: 29893, Stop: 30018, Start Num: 12
Candidate Starts for Raymond7_35:
(10, 29878), (Start: 12 @29893 has 23 MA's), (17, 29923), (18, 29929), (22, 29944), (23, 29950),

Gene: Rebel_33 Start: 26211, Stop: 26336, Start Num: 12
Candidate Starts for Rebel_33:
(10, 26196), (Start: 12 @26211 has 23 MA's), (17, 26241), (18, 26247), (22, 26262), (23, 26268),

Gene: Redi_41 Start: 30080, Stop: 30205, Start Num: 12
Candidate Starts for Redi_41:
(10, 30065), (Start: 12 @30080 has 23 MA's), (17, 30110), (18, 30116), (22, 30131), (23, 30137),

Gene: Rubeelu_41 Start: 30498, Stop: 30623, Start Num: 12
Candidate Starts for Rubeelu_41:
(10, 30483), (Start: 12 @30498 has 23 MA's), (14, 30516), (16, 30525), (22, 30549), (23, 30555),

Gene: Schnauzer_40 Start: 29862, Stop: 29978, Start Num: 12
Candidate Starts for Schnauzer_40:
(Start: 12 @29862 has 23 MA's), (17, 29892), (22, 29913), (25, 29946), (26, 29949),

Gene: ShrimpFriedEgg_41 Start: 30080, Stop: 30205, Start Num: 12
Candidate Starts for ShrimpFriedEgg_41:
(10, 30065), (Start: 12 @30080 has 23 MA's), (17, 30110), (18, 30116), (22, 30131), (23, 30137),

Gene: SkinnyPete_35 Start: 27573, Stop: 27689, Start Num: 12
Candidate Starts for SkinnyPete_35:
(Start: 12 @27573 has 23 MA's), (17, 27603), (22, 27624), (25, 27657), (26, 27660),

Gene: Spinach_41 Start: 30080, Stop: 30205, Start Num: 12
Candidate Starts for Spinach_41:
(10, 30065), (Start: 12 @30080 has 23 MA's), (17, 30110), (18, 30116), (22, 30131), (23, 30137),

Gene: Stellammi_95 Start: 45929, Stop: 46045, Start Num: 12
Candidate Starts for Stellammi_95:
(Start: 12 @45929 has 23 MA's), (13, 45938), (15, 45953), (16, 45956), (17, 45959), (19, 45968), (20, 45974), (21, 45977), (23, 45986), (27, 46040),

Gene: Tapioca_41 Start: 29828, Stop: 29944, Start Num: 12
Candidate Starts for Tapioca_41:
(Start: 12 @29828 has 23 MA's), (17, 29858), (22, 29879), (25, 29912), (26, 29915),

Gene: Tortoise12_38 Start: 28545, Stop: 28661, Start Num: 12
Candidate Starts for Tortoise12_38:
(Start: 12 @28545 has 23 MA's), (17, 28575), (22, 28596), (25, 28629), (26, 28632),

Gene: Xeno_37 Start: 28218, Stop: 28343, Start Num: 12
Candidate Starts for Xeno_37:
(1, 27714), (6, 27897), (10, 28203), (Start: 12 @28218 has 23 MA's), (17, 28248), (18, 28254), (22, 28269), (23, 28275),