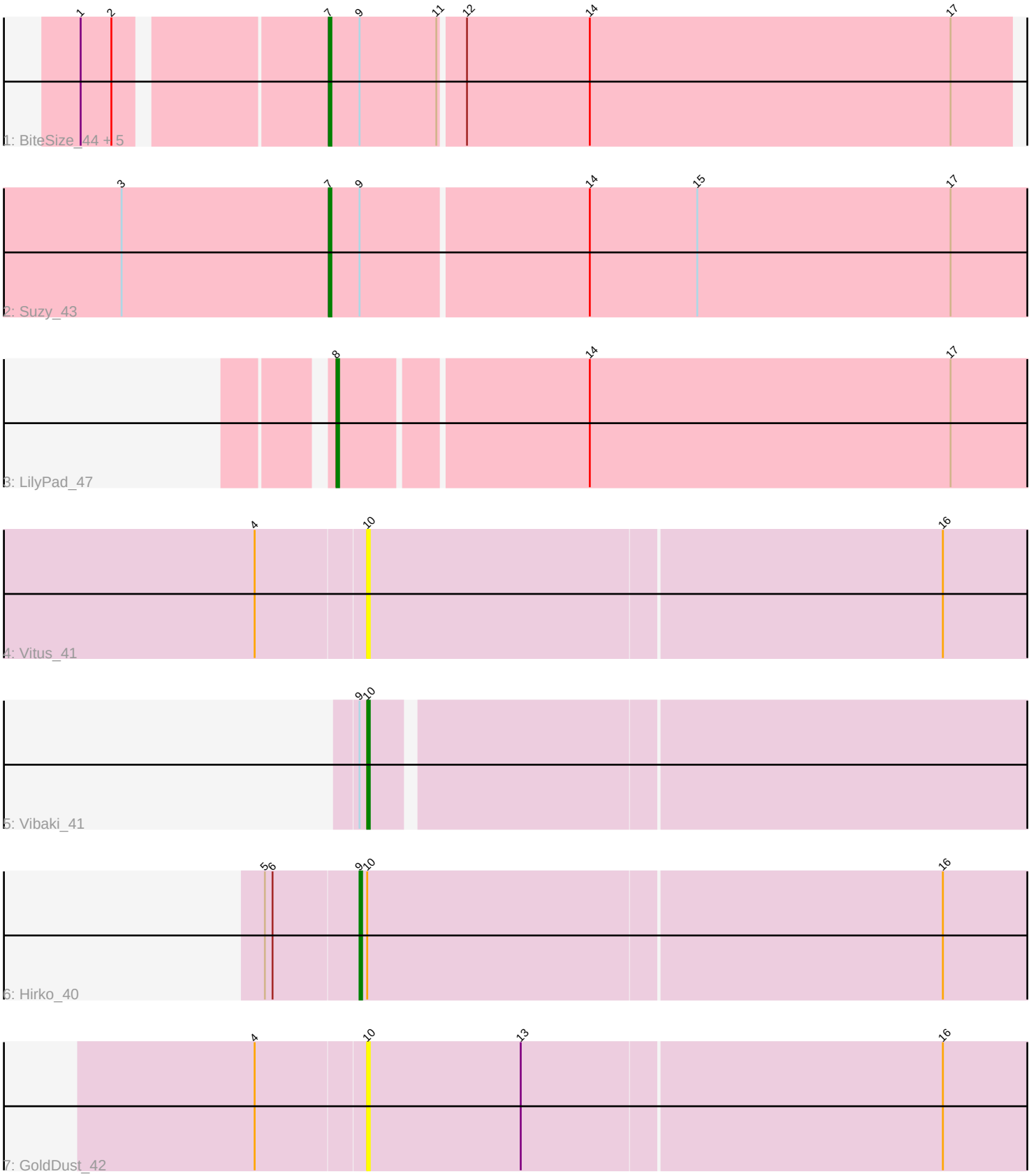
Pham 203504


1
2
7
9
11
12
14
17
1: BiteSize_44 + 5
3
7
9
14
15
17
2: Suzy_43
8
14
17
3: LilyPad_47
4
10
16
4: Vitus_41
9
10
5: Vibaki_41
5
6
9
10
16
6: Hirko_40
4
10
13
16
7: GoldDust_42

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 203504 Report

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

Pham number 203504 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : BiteSize_44, Sienna_44, Beyoncage_44, Djokovic_44, Madi_44, Terapin_45
• Track 2 : Suzy_43
• Track 3 : LilyPad_47
• Track 4 : Vitus_41
• Track 5 : Vibaki_41
• Track 6 : Hirko_40
• Track 7 : GoldDust_42

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beyoncage_44, BiteSize_44, Djokovic_44, Madi_44, Sienna_44, Suzy_43, Terapin_45,

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

Genes that do not have the "Most Annotated" start:
• GoldDust_42, Hirko_40, LilyPad_47, Vibaki_41, Vitus_41,

Summary by start number:

Start 7:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beyoncage_44 (DG1), BiteSize_44 (DG1), Djokovic_44 (DG1), Madi_44 (DG1), Sienna_44 (DG1), Suzy_43 (DG1), Terapin_45 (DG1),

Start 8:
• 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: LilyPad_47 (DG1),

Start 9:
• Found in 9 of 12 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Hirko_40 (FL),

Start 10:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 75.0% of time when present
• Phage (with cluster) where this start called: GoldDust_42 (FL), Vibaki_41 (FL), Vitus_41 (FL),

Summary by clusters:

There are 2 clusters represented in this pham: DG1, FL,

Info for manual annotations of cluster DG1:
•Start number 7 was manually annotated 7 times for cluster DG1.
•Start number 8 was manually annotated 1 time for cluster DG1.

Info for manual annotations of cluster FL:
•Start number 9 was manually annotated 1 time for cluster FL.
•Start number 10 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Beyoncage_44 Start: 34762, Stop: 35025, Start Num: 7
Candidate Starts for Beyoncage_44:
(1, 34675), (2, 34687), (Start: 7 @34762 has 7 MA's), (Start: 9 @34774 has 1 MA's), (11, 34804), (12, 34813), (14, 34861), (17, 35002),

Gene: BiteSize_44 Start: 34848, Stop: 35111, Start Num: 7
Candidate Starts for BiteSize_44:
(1, 34761), (2, 34773), (Start: 7 @34848 has 7 MA's), (Start: 9 @34860 has 1 MA's), (11, 34890), (12, 34899), (14, 34947), (17, 35088),

Gene: Djokovic_44 Start: 34761, Stop: 35024, Start Num: 7
Candidate Starts for Djokovic_44:
(1, 34674), (2, 34686), (Start: 7 @34761 has 7 MA's), (Start: 9 @34773 has 1 MA's), (11, 34803), (12, 34812), (14, 34860), (17, 35001),

Gene: GoldDust_42 Start: 34216, Stop: 34488, Start Num: 10
Candidate Starts for GoldDust_42:
(4, 34174), (Start: 10 @34216 has 1 MA's), (13, 34276), (16, 34438),

Gene: Hirko_40 Start: 33453, Stop: 33728, Start Num: 9
Candidate Starts for Hirko_40:
(5, 33417), (6, 33420), (Start: 9 @33453 has 1 MA's), (Start: 10 @33456 has 1 MA's), (16, 33678),

Gene: LilyPad_47 Start: 36134, Stop: 36400, Start Num: 8
Candidate Starts for LilyPad_47:
(Start: 8 @36134 has 1 MA's), (14, 36227), (17, 36368),

Gene: Madi_44 Start: 34839, Stop: 35102, Start Num: 7
Candidate Starts for Madi_44:
(1, 34752), (2, 34764), (Start: 7 @34839 has 7 MA's), (Start: 9 @34851 has 1 MA's), (11, 34881), (12, 34890), (14, 34938), (17, 35079),

Gene: Sienna_44 Start: 34839, Stop: 35102, Start Num: 7
Candidate Starts for Sienna_44:
(1, 34752), (2, 34764), (Start: 7 @34839 has 7 MA's), (Start: 9 @34851 has 1 MA's), (11, 34881), (12, 34890), (14, 34938), (17, 35079),

Gene: Suzy_43 Start: 35166, Stop: 35441, Start Num: 7
Candidate Starts for Suzy_43:
(3, 35085), (Start: 7 @35166 has 7 MA's), (Start: 9 @35178 has 1 MA's), (14, 35265), (15, 35307), (17, 35406),

Gene: Terapin_45 Start: 34763, Stop: 35026, Start Num: 7
Candidate Starts for Terapin_45:
(1, 34676), (2, 34688), (Start: 7 @34763 has 7 MA's), (Start: 9 @34775 has 1 MA's), (11, 34805), (12, 34814), (14, 34862), (17, 35003),

Gene: Vibaki_41 Start: 33844, Stop: 34110, Start Num: 10
Candidate Starts for Vibaki_41:
(Start: 9 @33841 has 1 MA's), (Start: 10 @33844 has 1 MA's),

Gene: Vitus_41 Start: 32840, Stop: 33112, Start Num: 10
Candidate Starts for Vitus_41:
(4, 32798), (Start: 10 @32840 has 1 MA's), (16, 33062),