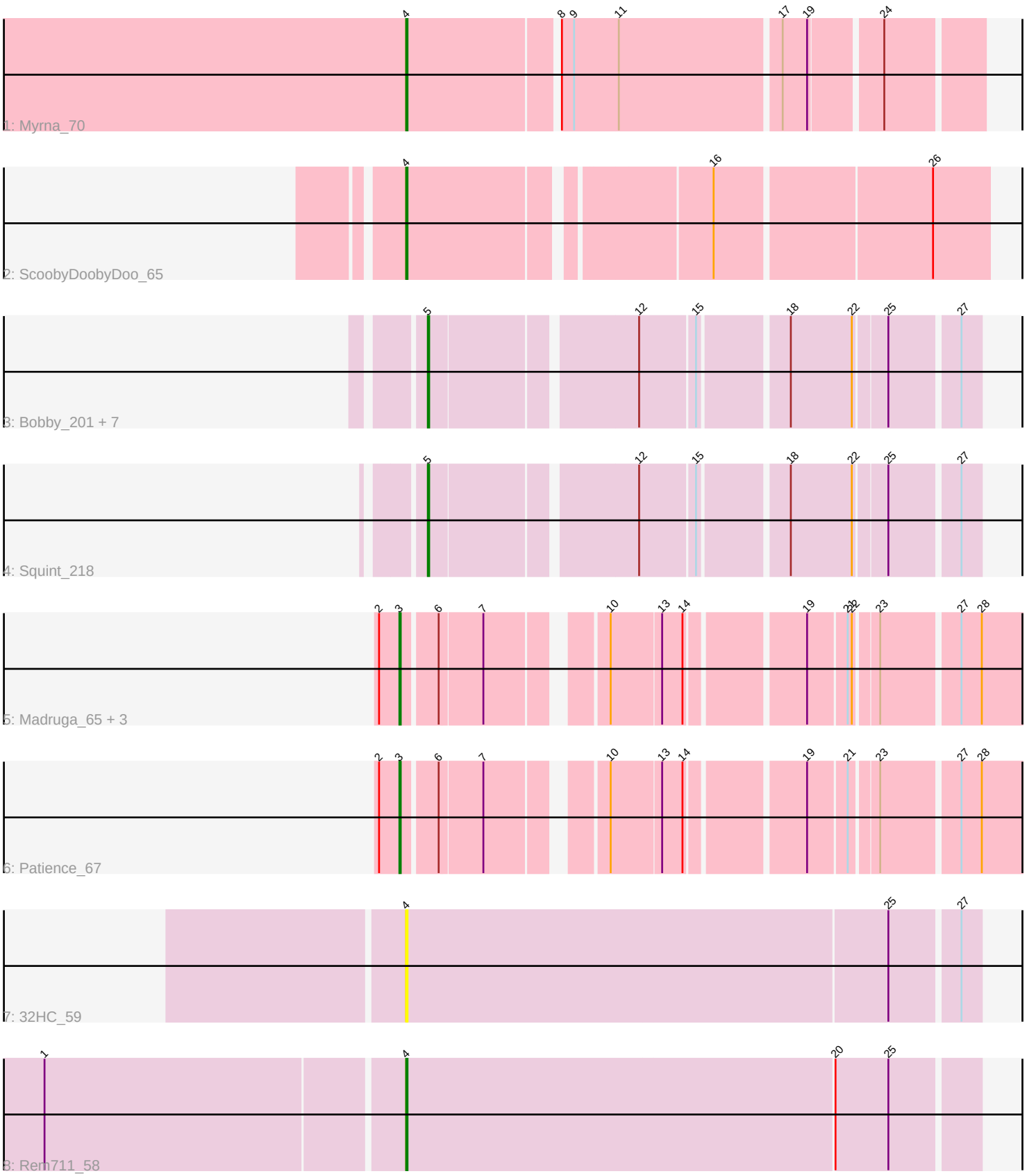
Pham 333269


4
8
9
11
17
19
24
1: Myrna_70
4
16
26
2: ScoobyDoobyDoo_65
5
12
15
18
22
25
27
3: Bobby_201 + 7
5
12
15
18
22
25
27
4: Squint_218
2
3
6
7
10
13
14
19
22
23
27
28
5: Madruga_65 + 3
2
3
6
7
10
13
14
19
21
23
27
28
6: Patience_67
4
25
27
7: 32HC_59
1
4
20
25
8: Rem711_58

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 333269 Report

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

Pham number 333269 has 18 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Myrna_70
• Track 2 : ScoobyDoobyDoo_65
• Track 3 : Bobby_201, BAKA_227, Hidrated_206, Constella_212, Dallas_220, Wanda_219, Xiaokay_209, Klein_227
• Track 4 : Squint_218
• Track 5 : Madruga_65, Labelle_66, SuperSonics_67, Demikore_68
• Track 6 : Patience_67
• Track 7 : 32HC_59
• Track 8 : Rem711_58

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BAKA_227, Bobby_201, Constella_212, Dallas_220, Hidrated_206, Klein_227, Squint_218, Wanda_219, Xiaokay_209,

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

Genes that do not have the "Most Annotated" start:
• 32HC_59, Demikore_68, Labelle_66, Madruga_65, Myrna_70, Patience_67, Rem711_58, ScoobyDoobyDoo_65, SuperSonics_67,

Summary by start number:

Start 3:
• Found in 5 of 18 (27.8%) 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: Demikore_68 (U), Labelle_66 (U), Madruga_65 (U), Patience_67 (U), SuperSonics_67 (U),

Start 4:
• Found in 4 of 18 (22.2%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 32HC_59 (Z), Myrna_70 (C2), Rem711_58 (Z), ScoobyDoobyDoo_65 (C2),

Start 5:
• Found in 9 of 18 (50.0%) of genes in pham
• Manual Annotations of this start: 8 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAKA_227 (J), Bobby_201 (J), Constella_212 (J), Dallas_220 (J), Hidrated_206 (J), Klein_227 (J), Squint_218 (J), Wanda_219 (J), Xiaokay_209 (J),

Summary by clusters:

There are 4 clusters represented in this pham: C2, Z, J, U,

Info for manual annotations of cluster C2:
•Start number 4 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster J:
•Start number 5 was manually annotated 8 times for cluster J.

Info for manual annotations of cluster U:
•Start number 3 was manually annotated 4 times for cluster U.

Info for manual annotations of cluster Z:
•Start number 4 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_59 Start: 39773, Stop: 40186, Start Num: 4
Candidate Starts for 32HC_59:
(Start: 4 @39773 has 3 MA's), (25, 40124), (27, 40172),

Gene: BAKA_227 Start: 107551, Stop: 107183, Start Num: 5
Candidate Starts for BAKA_227:
(Start: 5 @107551 has 8 MA's), (12, 107410), (15, 107371), (18, 107311), (22, 107266), (25, 107245), (27, 107197),

Gene: Bobby_201 Start: 105035, Stop: 104667, Start Num: 5
Candidate Starts for Bobby_201:
(Start: 5 @105035 has 8 MA's), (12, 104894), (15, 104855), (18, 104795), (22, 104750), (25, 104729), (27, 104681),

Gene: Constella_212 Start: 105263, Stop: 104895, Start Num: 5
Candidate Starts for Constella_212:

(Start: 5 @105263 has 8 MA's), (12, 105122), (15, 105083), (18, 105023), (22, 104978), (25, 104957), (27, 104909),

Gene: Dallas_220 Start: 105872, Stop: 105504, Start Num: 5
Candidate Starts for Dallas_220:
(Start: 5 @105872 has 8 MA's), (12, 105731), (15, 105692), (18, 105632), (22, 105587), (25, 105566), (27, 105518),

Gene: Demikore_68 Start: 45863, Stop: 46270, Start Num: 3
Candidate Starts for Demikore_68:
(2, 45848), (Start: 3 @45863 has 4 MA's), (6, 45887), (7, 45917), (10, 45989), (13, 46025), (14, 46040), (19, 46118), (21, 46145), (22, 46148), (23, 46163), (27, 46217), (28, 46232),

Gene: Hidrated_206 Start: 106770, Stop: 106402, Start Num: 5
Candidate Starts for Hidrated_206:
(Start: 5 @106770 has 8 MA's), (12, 106629), (15, 106590), (18, 106530), (22, 106485), (25, 106464), (27, 106416),

Gene: Klein_227 Start: 106257, Stop: 105889, Start Num: 5
Candidate Starts for Klein_227:
(Start: 5 @106257 has 8 MA's), (12, 106116), (15, 106077), (18, 106017), (22, 105972), (25, 105951), (27, 105903),

Gene: Labelle_66 Start: 45684, Stop: 46091, Start Num: 3
Candidate Starts for Labelle_66:
(2, 45669), (Start: 3 @45684 has 4 MA's), (6, 45708), (7, 45738), (10, 45810), (13, 45846), (14, 45861), (19, 45939), (21, 45966), (22, 45969), (23, 45984), (27, 46038), (28, 46053),

Gene: Madruga_65 Start: 45333, Stop: 45740, Start Num: 3
Candidate Starts for Madruga_65:
(2, 45318), (Start: 3 @45333 has 4 MA's), (6, 45357), (7, 45387), (10, 45459), (13, 45495), (14, 45510), (19, 45588), (21, 45615), (22, 45618), (23, 45633), (27, 45687), (28, 45702),

Gene: Myrna_70 Start: 27881, Stop: 28273, Start Num: 4
Candidate Starts for Myrna_70:
(Start: 4 @27881 has 3 MA's), (8, 27986), (9, 27995), (11, 28025), (17, 28139), (19, 28157), (24, 28205),

Gene: Patience_67 Start: 46228, Stop: 46635, Start Num: 3
Candidate Starts for Patience_67:
(2, 46213), (Start: 3 @46228 has 4 MA's), (6, 46252), (7, 46282), (10, 46354), (13, 46390), (14, 46405), (19, 46483), (21, 46510), (23, 46528), (27, 46582), (28, 46597),

Gene: Rem711_58 Start: 39764, Stop: 40177, Start Num: 4
Candidate Starts for Rem711_58:
(1, 39506), (Start: 4 @39764 has 3 MA's), (20, 40076), (25, 40115),

Gene: ScoobyDoobyDoo_65 Start: 23926, Stop: 24321, Start Num: 4
Candidate Starts for ScoobyDoobyDoo_65:
(Start: 4 @23926 has 3 MA's), (16, 24127), (26, 24280),

Gene: Squint_218 Start: 103983, Stop: 103615, Start Num: 5
Candidate Starts for Squint_218:

(Start: 5 @103983 has 8 MA's), (12, 103842), (15, 103803), (18, 103743), (22, 103698), (25, 103677), (27, 103629),

Gene: SuperSonics_67 Start: 45576, Stop: 45983, Start Num: 3
Candidate Starts for SuperSonics_67:
(2, 45561), (Start: 3 @45576 has 4 MA's), (6, 45600), (7, 45630), (10, 45702), (13, 45738), (14, 45753), (19, 45831), (21, 45858), (22, 45861), (23, 45876), (27, 45930), (28, 45945),

Gene: Wanda_219 Start: 103887, Stop: 103519, Start Num: 5
Candidate Starts for Wanda_219:
(Start: 5 @103887 has 8 MA's), (12, 103746), (15, 103707), (18, 103647), (22, 103602), (25, 103581), (27, 103533),

Gene: Xiaokay_209 Start: 105364, Stop: 104996, Start Num: 5
Candidate Starts for Xiaokay_209:
(Start: 5 @105364 has 8 MA's), (12, 105223), (15, 105184), (18, 105124), (22, 105079), (25, 105058), (27, 105010),