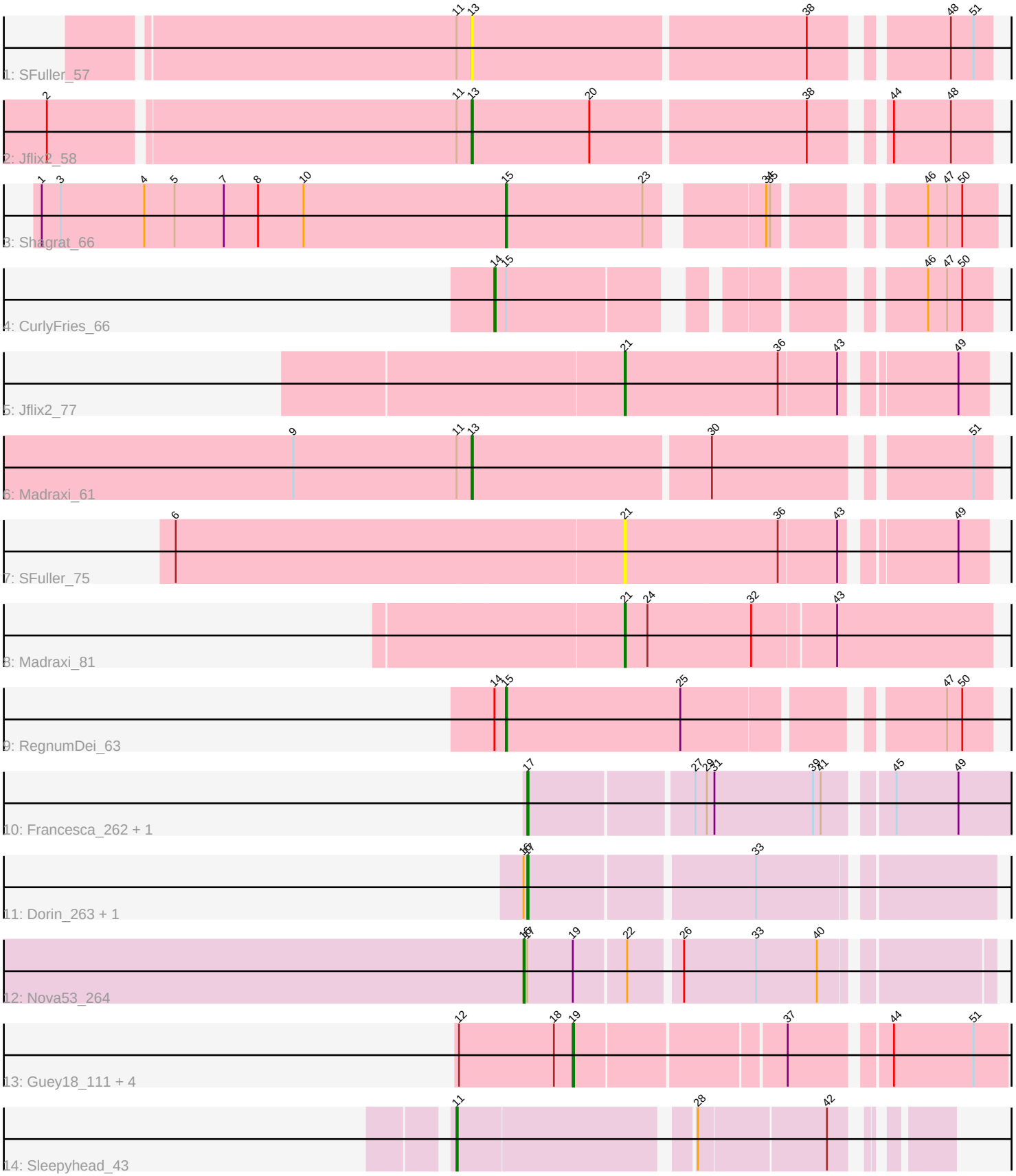
Pham 305339


1: SFuller_57
2: Jflix2_58
3: Shagrat_66
4: CurlyFries_66
5: Jflix2_77
6: Madraxi_61
7: SFuller_75
8: Madraxi_81
9: RegnumDei_63
10: Francesca_262 + 1
11: Dorin_263 + 1
12: Nova53_264
13: Guey18_111 + 4
14: Sleepyhead_43

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 305339 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305339 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : SFuller_57
• Track 2 : Jflix2_58
• Track 3 : Shagrat_66
• Track 4 : CurlyFries_66
• Track 5 : Jflix2_77
• Track 6 : Madraxi_61
• Track 7 : SFuller_75
• Track 8 : Madraxi_81
• Track 9 : RegnumDei_63
• Track 10 : Francesca_262, Dorin_262
• Track 11 : Dorin_263, Francesca_263
• Track 12 : Nova53_264
• Track 13 : Guey18_111, Fryberger_106, Ronaldo_108, Volt_110, Ziko_109
• Track 14 : Sleepyhead_43

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

The start number called the most often in the published annotations is 19, it was called in 5 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_106, Guey18_111, Ronaldo_108, Volt_110, Ziko_109,

Genes that have the "Most Annotated" start but do not call it:
• Nova53_264,

Genes that do not have the "Most Annotated" start:
• CurlyFries_66, Dorin_262, Dorin_263, Francesca_262, Francesca_263, Jflix2_58, Jflix2_77, Madraxi_61, Madraxi_81, RegnumDei_63, SFuller_57, SFuller_75, Shagrat_66, Sleepyhead_43,

Summary by start number:

Start 11:

• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_43 (singleton),

Start 13:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_58 (CF), Madraxi_61 (CF), SFuller_57 (CF),

Start 14:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 50.0% of time when present
• Phage (with cluster) where this start called: CurlyFries_66 (CF),

Start 15:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 66.7% of time when present
• Phage (with cluster) where this start called: RegnumDei_63 (CF), Shagrat_66 (CF),

Start 16:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 1 of 18
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Nova53_264 (CG),

Start 17:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 18
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Dorin_262 (CG), Dorin_263 (CG), Francesca_262 (CG), Francesca_263 (CG),

Start 19:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 5 of 18
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Fryberger_106 (DP), Guey18_111 (DP), Ronaldo_108 (DP), Volt_110 (DP), Ziko_109 (DP),

Start 21:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 2 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_77 (CF), Madraxi_81 (CF), SFuller_75 (CF),

Summary by clusters:

There are 4 clusters represented in this pham: singleton, CG, CF, DP,

Info for manual annotations of cluster CF:
•Start number 13 was manually annotated 2 times for cluster CF.
•Start number 14 was manually annotated 1 time for cluster CF.
•Start number 15 was manually annotated 2 times for cluster CF.
•Start number 21 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster CG:
•Start number 16 was manually annotated 1 time for cluster CG.
•Start number 17 was manually annotated 4 times for cluster CG.

Info for manual annotations of cluster DP:
•Start number 19 was manually annotated 5 times for cluster DP.

Gene Information:

Gene: CurlyFries_66 Start: 39792, Stop: 40115, Start Num: 14
Candidate Starts for CurlyFries_66:
(Start: 14 @39792 has 1 MA's), (Start: 15 @39801 has 2 MA's), (46, 40065), (47, 40080), (50, 40092),

Gene: Dorin_263 Start: 128893, Stop: 129231, Start Num: 17
Candidate Starts for Dorin_263:
(Start: 16 @128890 has 1 MA's), (Start: 17 @128893 has 4 MA's), (33, 129061),

Gene: Dorin_262 Start: 128550, Stop: 128915, Start Num: 17
Candidate Starts for Dorin_262:
(Start: 17 @128550 has 4 MA's), (27, 128673), (29, 128682), (31, 128688), (39, 128766), (41, 128772), (45, 128817), (49, 128865),

Gene: Francesca_262 Start: 129192, Stop: 129557, Start Num: 17
Candidate Starts for Francesca_262:
(Start: 17 @129192 has 4 MA's), (27, 129315), (29, 129324), (31, 129330), (39, 129408), (41, 129414), (45, 129459), (49, 129507),

Gene: Francesca_263 Start: 129535, Stop: 129873, Start Num: 17
Candidate Starts for Francesca_263:
(Start: 16 @129532 has 1 MA's), (Start: 17 @129535 has 4 MA's), (33, 129703),

Gene: Fryberger_106 Start: 52384, Stop: 52698, Start Num: 19
Candidate Starts for Fryberger_106:
(12, 52294), (18, 52369), (Start: 19 @52384 has 5 MA's), (37, 52540), (44, 52609), (51, 52672),

Gene: Guey18_111 Start: 53707, Stop: 54021, Start Num: 19
Candidate Starts for Guey18_111:
(12, 53617), (18, 53692), (Start: 19 @53707 has 5 MA's), (37, 53863), (44, 53932), (51, 53995),

Gene: Jflix2_58 Start: 39721, Stop: 40101, Start Num: 13
Candidate Starts for Jflix2_58:
(2, 39397), (Start: 11 @39709 has 1 MA's), (Start: 13 @39721 has 2 MA's), (20, 39814), (38, 39979), (44, 40024), (48, 40069),

Gene: Jflix2_77 Start: 46906, Stop: 47172, Start Num: 21
Candidate Starts for Jflix2_77:
(Start: 21 @46906 has 2 MA's), (36, 47026), (43, 47071), (49, 47149),

Gene: Madraxi_61 Start: 42224, Stop: 42604, Start Num: 13
Candidate Starts for Madraxi_61:
(9, 42083), (Start: 11 @42212 has 1 MA's), (Start: 13 @42224 has 2 MA's), (30, 42407), (51, 42590),

Gene: Madraxi_81 Start: 49694, Stop: 49978, Start Num: 21
Candidate Starts for Madraxi_81:
(Start: 21 @49694 has 2 MA's), (24, 49712), (32, 49793), (43, 49856),

Gene: Nova53_264 Start: 130197, Stop: 130535, Start Num: 16
Candidate Starts for Nova53_264:
(Start: 16 @130197 has 1 MA's), (Start: 17 @130200 has 4 MA's), (Start: 19 @130236 has 5 MA's), (22, 130275), (26, 130311), (33, 130368), (40, 130416),

Gene: RegnumDei_63 Start: 40645, Stop: 40995, Start Num: 15
Candidate Starts for RegnumDei_63:
(Start: 14 @40636 has 1 MA's), (Start: 15 @40645 has 2 MA's), (25, 40783), (47, 40960), (50, 40972),

Gene: Ronaldo_108 Start: 53289, Stop: 53603, Start Num: 19
Candidate Starts for Ronaldo_108:
(12, 53199), (18, 53274), (Start: 19 @53289 has 5 MA's), (37, 53445), (44, 53514), (51, 53577),

Gene: SFuller_57 Start: 39913, Stop: 40293, Start Num: 13
Candidate Starts for SFuller_57:
(Start: 11 @39901 has 1 MA's), (Start: 13 @39913 has 2 MA's), (38, 40171), (48, 40261), (51, 40279),

Gene: SFuller_75 Start: 47105, Stop: 47371, Start Num: 21
Candidate Starts for SFuller_75:
(6, 46754), (Start: 21 @47105 has 2 MA's), (36, 47225), (43, 47270), (49, 47348),

Gene: Shagrat_66 Start: 40915, Stop: 41250, Start Num: 15
Candidate Starts for Shagrat_66:
(1, 40549), (3, 40564), (4, 40630), (5, 40654), (7, 40693), (8, 40720), (10, 40756), (Start: 15 @40915 has 2 MA's), (23, 41023), (34, 41101), (35, 41104), (46, 41197), (47, 41212), (50, 41224),

Gene: Sleepyhead_43 Start: 31028, Stop: 31363, Start Num: 11
Candidate Starts for Sleepyhead_43:
(Start: 11 @31028 has 1 MA's), (28, 31199), (42, 31295),

Gene: Volt_110 Start: 53453, Stop: 53767, Start Num: 19
Candidate Starts for Volt_110:
(12, 53363), (18, 53438), (Start: 19 @53453 has 5 MA's), (37, 53609), (44, 53678), (51, 53741),

Gene: Ziko_109 Start: 53295, Stop: 53609, Start Num: 19
Candidate Starts for Ziko_109:
(12, 53205), (18, 53280), (Start: 19 @53295 has 5 MA's), (37, 53451), (44, 53520), (51, 53583),