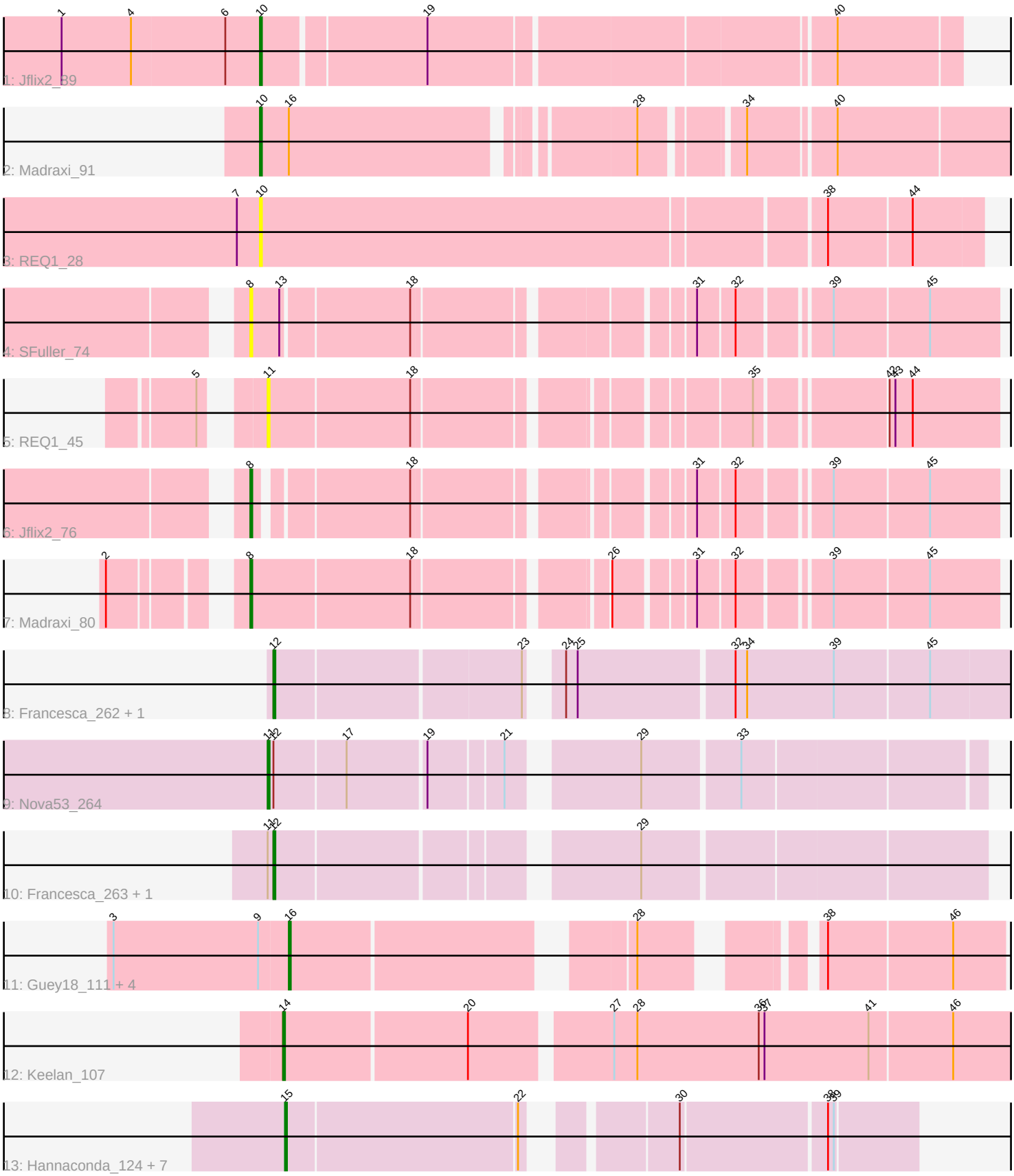
Pham 280792


1: Jflix2_89
2: Madraxi_91
3: REQ1_28
4: SFuller_74
5: REQ1_45
6: Jflix2_76
7: Madraxi_80
8: Francesca_262 + 1
9: Nova53_264
10: Francesca_263 + 1
11: Guey18_111 + 4
12: Keelan_107
13: Hannaconda_124 + 7

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 280792 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280792 has 26 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Jflix2_89
• Track 2 : Madraxi_91
• Track 3 : REQ1_28
• Track 4 : SFuller_74
• Track 5 : REQ1_45
• Track 6 : Jflix2_76
• Track 7 : Madraxi_80
• Track 8 : Francesca_262, Dorin_262
• Track 9 : Nova53_264
• Track 10 : Francesca_263, Dorin_263
• Track 11 : Guey18_111, Volt_110, Ziko_109, Fryberger_106, Ronaldo_108
• Track 12 : Keelan_107
• Track 13 : Hannaconda_124, Yeet_125, Odette_135, Superphikiman_128, HokkenD_123, Courthouse_126, Rearden_129, Gonephishing_125

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 5 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Courthouse_126, Gonephishing_125, Hannaconda_124, HokkenD_123, Odette_135, Rearden_129, Superphikiman_128, Yeet_125,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Dorin_262, Dorin_263, Francesca_262, Francesca_263, Fryberger_106, Guey18_111, Jflix2_76, Jflix2_89, Keelan_107, Madraxi_80, Madraxi_91, Nova53_264, REQ1_28, REQ1_45, Ronaldo_108, SFuller_74, Volt_110, Ziko_109,

Summary by start number:

Start 8:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_76 (CF), Madraxi_80 (CF), SFuller_74 (CF),

Start 10:
• Found in 3 of 26 (11.5%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jflix2_89 (CF), Madraxi_91 (CF), REQ1_28 (CF),

Start 11:
• Found in 4 of 26 (15.4%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nova53_264 (CG), REQ1_45 (CF),

Start 12:
• Found in 5 of 26 (19.2%) of genes in pham
• Manual Annotations of this start: 4 of 20
• 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 14:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Keelan_107 (DP),

Start 15:
• Found in 8 of 26 (30.8%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Courthouse_126 (J), Gonephishing_125 (J), Hannaconda_124 (J), HokkenD_123 (J), Odette_135 (J), Rearden_129 (J), Superphikiman_128 (J), Yeet_125 (J),

Start 16:
• Found in 6 of 26 (23.1%) of genes in pham
• Manual Annotations of this start: 5 of 20
• 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),

Summary by clusters:

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

Info for manual annotations of cluster CF:

•Start number 8 was manually annotated 2 times for cluster CF.
•Start number 10 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster CG:
•Start number 11 was manually annotated 1 time for cluster CG.
•Start number 12 was manually annotated 4 times for cluster CG.

Info for manual annotations of cluster DP:
•Start number 14 was manually annotated 1 time for cluster DP.
•Start number 16 was manually annotated 5 times for cluster DP.

Info for manual annotations of cluster J:
•Start number 15 was manually annotated 5 times for cluster J.

Gene Information:

Gene: Courthouse_126 Start: 68736, Stop: 69029, Start Num: 15
Candidate Starts for Courthouse_126:
(Start: 15 @68736 has 5 MA's), (22, 68853), (30, 68913), (38, 68985), (39, 68988),

Gene: Dorin_262 Start: 128550, Stop: 128915, Start Num: 12
Candidate Starts for Dorin_262:
(Start: 12 @128550 has 4 MA's), (23, 128673), (24, 128682), (25, 128688), (32, 128766), (34, 128772), (39, 128817), (45, 128865),

Gene: Dorin_263 Start: 128893, Stop: 129231, Start Num: 12
Candidate Starts for Dorin_263:
(Start: 11 @128890 has 1 MA's), (Start: 12 @128893 has 4 MA's), (29, 129061),

Gene: Francesca_262 Start: 129192, Stop: 129557, Start Num: 12
Candidate Starts for Francesca_262:
(Start: 12 @129192 has 4 MA's), (23, 129315), (24, 129324), (25, 129330), (32, 129408), (34, 129414), (39, 129459), (45, 129507),

Gene: Francesca_263 Start: 129535, Stop: 129873, Start Num: 12
Candidate Starts for Francesca_263:
(Start: 11 @129532 has 1 MA's), (Start: 12 @129535 has 4 MA's), (29, 129703),

Gene: Fryberger_106 Start: 52384, Stop: 52698, Start Num: 16
Candidate Starts for Fryberger_106:
(3, 52294), (9, 52369), (Start: 16 @52384 has 5 MA's), (28, 52540), (38, 52609), (46, 52672),

Gene: Gonephishing_125 Start: 68379, Stop: 68672, Start Num: 15
Candidate Starts for Gonephishing_125:
(Start: 15 @68379 has 5 MA's), (22, 68496), (30, 68556), (38, 68628), (39, 68631),

Gene: Guey18_111 Start: 53707, Stop: 54021, Start Num: 16
Candidate Starts for Guey18_111:
(3, 53617), (9, 53692), (Start: 16 @53707 has 5 MA's), (28, 53863), (38, 53932), (46, 53995),

Gene: Hannaconda_124 Start: 69032, Stop: 69325, Start Num: 15

Candidate Starts for Hannaconda_124:
(Start: 15 @69032 has 5 MA's), (22, 69149), (30, 69209), (38, 69281), (39, 69284),

Gene: HokkenD_123 Start: 71913, Stop: 72206, Start Num: 15
Candidate Starts for HokkenD_123:
(Start: 15 @71913 has 5 MA's), (22, 72030), (30, 72090), (38, 72162), (39, 72165),

Gene: Jflix2_89 Start: 50660, Stop: 51001, Start Num: 10
Candidate Starts for Jflix2_89:
(1, 50558), (4, 50594), (6, 50642), (Start: 10 @50660 has 2 MA's), (19, 50741), (40, 50939),

Gene: Jflix2_76 Start: 46571, Stop: 46909, Start Num: 8
Candidate Starts for Jflix2_76:
(Start: 8 @46571 has 2 MA's), (18, 46643), (31, 46766), (32, 46784), (39, 46826), (45, 46874),

Gene: Keelan_107 Start: 53290, Stop: 53652, Start Num: 14
Candidate Starts for Keelan_107:
(Start: 14 @53290 has 1 MA's), (20, 53383), (27, 53449), (28, 53461), (36, 53524), (37, 53527), (41, 53581), (46, 53623),

Gene: Madraxi_91 Start: 52811, Stop: 53170, Start Num: 10
Candidate Starts for Madraxi_91:
(Start: 10 @52811 has 2 MA's), (Start: 16 @52826 has 5 MA's), (28, 52988), (34, 53033), (40, 53075),

Gene: Madraxi_80 Start: 49350, Stop: 49697, Start Num: 8
Candidate Starts for Madraxi_80:
(2, 49296), (Start: 8 @49350 has 2 MA's), (18, 49431), (26, 49518), (31, 49554), (32, 49572), (39, 49614), (45, 49662),

Gene: Nova53_264 Start: 130197, Stop: 130535, Start Num: 11
Candidate Starts for Nova53_264:
(Start: 11 @130197 has 1 MA's), (Start: 12 @130200 has 4 MA's), (17, 130236), (19, 130275), (21, 130311), (29, 130368), (33, 130416),

Gene: Odette_135 Start: 73830, Stop: 74123, Start Num: 15
Candidate Starts for Odette_135:
(Start: 15 @73830 has 5 MA's), (22, 73947), (30, 74007), (38, 74079), (39, 74082),

Gene: REQ1_28 Start: 11269, Stop: 11631, Start Num: 10
Candidate Starts for REQ1_28:
(7, 11257), (Start: 10 @11269 has 2 MA's), (38, 11554), (44, 11596),

Gene: REQ1_45 Start: 18020, Stop: 18358, Start Num: 11
Candidate Starts for REQ1_45:
(5, 17999), (Start: 11 @18020 has 1 MA's), (18, 18092), (35, 18242), (42, 18302), (43, 18305), (44, 18314),

Gene: Rearden_129 Start: 69937, Stop: 70230, Start Num: 15
Candidate Starts for Rearden_129:
(Start: 15 @69937 has 5 MA's), (22, 70054), (30, 70114), (38, 70186), (39, 70189),

Gene: Ronaldo_108 Start: 53289, Stop: 53603, Start Num: 16
Candidate Starts for Ronaldo_108:

(3, 53199), (9, 53274), (Start: 16 @53289 has 5 MA's), (28, 53445), (38, 53514), (46, 53577),

Gene: SFuller_74 Start: 46761, Stop: 47108, Start Num: 8
Candidate Starts for SFuller_74:
(Start: 8 @46761 has 2 MA's), (13, 46776), (18, 46839), (31, 46965), (32, 46983), (39, 47025), (45, 47073),

Gene: Superphikiman_128 Start: 69018, Stop: 69311, Start Num: 15
Candidate Starts for Superphikiman_128:
(Start: 15 @69018 has 5 MA's), (22, 69135), (30, 69195), (38, 69267), (39, 69270),

Gene: Volt_110 Start: 53453, Stop: 53767, Start Num: 16
Candidate Starts for Volt_110:
(3, 53363), (9, 53438), (Start: 16 @53453 has 5 MA's), (28, 53609), (38, 53678), (46, 53741),

Gene: Yeet_125 Start: 71942, Stop: 72235, Start Num: 15
Candidate Starts for Yeet_125:
(Start: 15 @71942 has 5 MA's), (22, 72059), (30, 72119), (38, 72191), (39, 72194),

Gene: Ziko_109 Start: 53295, Stop: 53609, Start Num: 16
Candidate Starts for Ziko_109:
(3, 53205), (9, 53280), (Start: 16 @53295 has 5 MA's), (28, 53451), (38, 53520), (46, 53583),