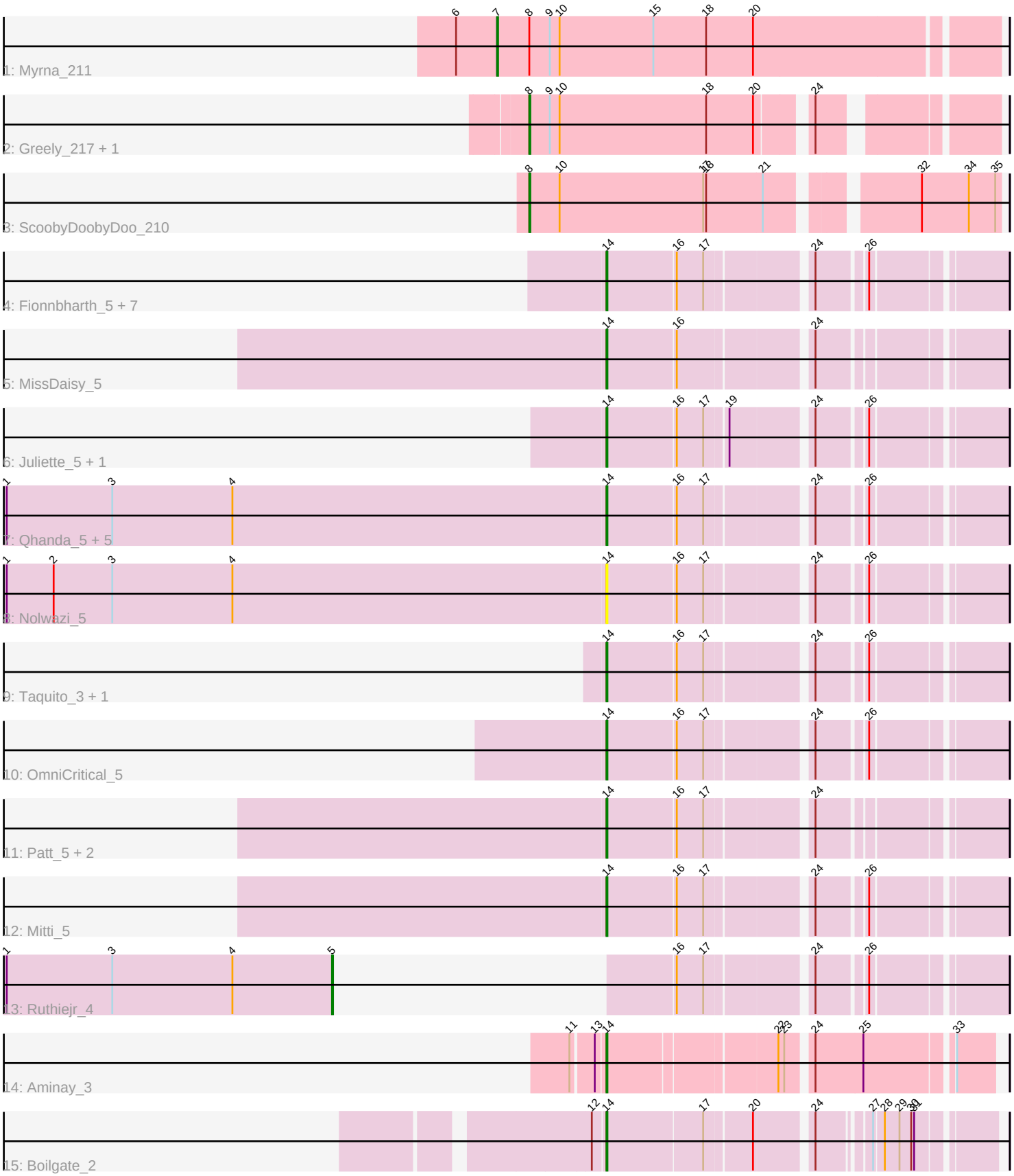
Pham 347879


1: Myrna_211
2: Greely_217 + 1
3: ScoobyDoobyDoo_210
4: Fionnbharth_5 + 7
5: MissDaisy_5
6: Juliette_5 + 1
7: Qhanda_5 + 5
8: Nolwazi_5
9: Taquito_3 + 1
10: OmniCritical_5
11: Patt_5 + 2
12: Mitti_5
13: Ruthiejr_4
14: Aminay_3
15: Boilgate_2

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 347879 Report

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

Pham number 347879 has 32 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Myrna_211
• Track 2 : Greely_217, Phabba_221
• Track 3 : ScoobyDoobyDoo_210
• Track 4 : Fionnbharth_5, Y10_05, Y2_05, JF1_5, Kraw_5, Malthus_5, Wintermute_5, YasnayaPolyana_5
• Track 5 : MissDaisy_5
• Track 6 : Juliette_5, Eponine_5
• Track 7 : Qhanda_5, Slarp_5, Lebo14_5, Cheetobro_5, DanSyl44_5, Chancellor_5
• Track 8 : Nolwazi_5
• Track 9 : Taquito_3, SamScheppers_3
• Track 10 : OmniCritical_5
• Track 11 : Patt_5, Bobquesha_5, Reptar3000_5
• Track 12 : Mitti_5
• Track 13 : Ruthiejr_4
• Track 14 : Aminay_3
• Track 15 : Boilgate_2

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

The start number called the most often in the published annotations is 14, it was called in 23 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aminay_3, Bobquesha_5, Boilgate_2, Chancellor_5, Cheetobro_5, DanSyl44_5, Eponine_5, Fionnbharth_5, JF1_5, Juliette_5, Kraw_5, Lebo14_5, Malthus_5, MissDaisy_5, Mitti_5, Nolwazi_5, OmniCritical_5, Patt_5, Qhanda_5, Reptar3000_5, SamScheppers_3, Slarp_5, Taquito_3, Wintermute_5, Y10_05, Y2_05, YasnayaPolyana_5,

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

Genes that do not have the "Most Annotated" start:
• Greely_217, Myrna_211, Phabba_221, Ruthiejr_4, ScoobyDoobyDoo_210,

Summary by start number:

Start 5:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ruthiejr_4 (K4),

Start 7:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Myrna_211 (C2),

Start 8:
• Found in 4 of 32 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 27
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Greely_217 (C2), Phabba_221 (C2), ScoobyDoobyDoo_210 (C2),

Start 14:
• Found in 27 of 32 (84.4%) of genes in pham
• Manual Annotations of this start: 23 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aminay_3 (K7), Bobquesha_5 (K4), Boilgate_2 (K8), Chancellor_5 (K4), Cheetobro_5 (K4), DanSyl44_5 (K4), Eponine_5 (K4), Fionnbharth_5 (K4), JF1_5 (K4), Juliette_5 (K4), Kraw_5 (K4), Lebo14_5 (K4), Malthus_5 (K4), MissDaisy_5 (K4), Mitti_5 (K4), Nolwazi_5 (K4), OmniCritical_5 (K4), Patt_5 (K4), Qhanda_5 (K4), Reptar3000_5 (K4), SamScheppers_3 (K4), Slarp_5 (K4), Taquito_3 (K4), Wintermute_5 (K4), Y10_05 (K4), Y2_05 (K4), YasnayaPolyana_5 (K4),

Summary by clusters:

There are 4 clusters represented in this pham: C2, K8, K7, K4,

Info for manual annotations of cluster C2:
•Start number 7 was manually annotated 1 time for cluster C2.
•Start number 8 was manually annotated 2 times for cluster C2.

Info for manual annotations of cluster K4:
•Start number 5 was manually annotated 1 time for cluster K4.
•Start number 14 was manually annotated 21 times for cluster K4.

Info for manual annotations of cluster K7:
•Start number 14 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 14 was manually annotated 1 time for cluster K8.

Gene Information:

Gene: Aminay_3 Start: 467, Stop: 823, Start Num: 14
Candidate Starts for Aminay_3:
(11, 437), (13, 458), (Start: 14 @467 has 23 MA's), (22, 629), (23, 635), (24, 656), (25, 704), (33, 785),

Gene: Bobquesha_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Bobquesha_5:
(Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116),

Gene: Boilgate_2 Start: 246, Stop: 593, Start Num: 14
Candidate Starts for Boilgate_2:
(12, 234), (Start: 14 @246 has 23 MA's), (17, 342), (20, 387), (24, 438), (27, 483), (28, 492), (29, 507), (30, 519), (31, 522),

Gene: Chancellor_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Chancellor_5:
(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Cheetobro_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Cheetobro_5:
(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: DanSyl44_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for DanSyl44_5:
(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Eponine_5 Start: 917, Stop: 1279, Start Num: 14
Candidate Starts for Eponine_5:
(Start: 14 @917 has 23 MA's), (16, 986), (17, 1013), (19, 1034), (24, 1109), (26, 1154),

Gene: Fionnbharth_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for Fionnbharth_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: Greely_217 Start: 123406, Stop: 123834, Start Num: 8
Candidate Starts for Greely_217:
(Start: 8 @123406 has 2 MA's), (9, 123427), (10, 123436), (18, 123586), (20, 123634), (24, 123679),

Gene: JF1_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for JF1_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: Juliette_5 Start: 917, Stop: 1279, Start Num: 14
Candidate Starts for Juliette_5:
(Start: 14 @917 has 23 MA's), (16, 986), (17, 1013), (19, 1034), (24, 1109), (26, 1154),

Gene: Kraw_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for Kraw_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: Lebo14_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Lebo14_5:

(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Malthus_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for Malthus_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: MissDaisy_5 Start: 870, Stop: 1232, Start Num: 14
Candidate Starts for MissDaisy_5:
(Start: 14 @870 has 23 MA's), (16, 939), (24, 1062),

Gene: Mitti_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Mitti_5:
(Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Myrna_211 Start: 123169, Stop: 123666, Start Num: 7
Candidate Starts for Myrna_211:
(6, 123127), (Start: 7 @123169 has 1 MA's), (Start: 8 @123202 has 2 MA's), (9, 123223), (10, 123232), (15, 123328), (18, 123382), (20, 123430),

Gene: Nolwazi_5 Start: 925, Stop: 1287, Start Num: 14
Candidate Starts for Nolwazi_5:
(1, 313), (2, 361), (3, 421), (4, 544), (Start: 14 @925 has 23 MA's), (16, 994), (17, 1021), (24, 1117), (26, 1162),

Gene: OmniCritical_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for OmniCritical_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: Patt_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Patt_5:
(Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116),

Gene: Phabba_221 Start: 122756, Stop: 123184, Start Num: 8
Candidate Starts for Phabba_221:
(Start: 8 @122756 has 2 MA's), (9, 122777), (10, 122786), (18, 122936), (20, 122984), (24, 123029),

Gene: Qhanda_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Qhanda_5:
(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Reptar3000_5 Start: 923, Stop: 1285, Start Num: 14
Candidate Starts for Reptar3000_5:
(Start: 14 @923 has 23 MA's), (16, 992), (17, 1019), (24, 1115),

Gene: Ruthiejr_4 Start: 645, Stop: 1007, Start Num: 5
Candidate Starts for Ruthiejr_4:
(1, 312), (3, 420), (4, 543), (Start: 5 @645 has 1 MA's), (16, 714), (17, 741), (24, 837), (26, 882),

Gene: SamScheppers_3 Start: 521, Stop: 883, Start Num: 14
Candidate Starts for SamScheppers_3:
(Start: 14 @521 has 23 MA's), (16, 590), (17, 617), (24, 713), (26, 758),

Gene: ScoobyDoobyDoo_210 Start: 121131, Stop: 121577, Start Num: 8

Candidate Starts for ScoobyDoobyDoo_210:
(Start: 8 @121131 has 2 MA's), (10, 121161), (17, 121308), (18, 121311), (21, 121368), (32, 121497), (34, 121545), (35, 121572),

Gene: Slarp_5 Start: 924, Stop: 1286, Start Num: 14
Candidate Starts for Slarp_5:
(1, 312), (3, 420), (4, 543), (Start: 14 @924 has 23 MA's), (16, 993), (17, 1020), (24, 1116), (26, 1161),

Gene: Taquito_3 Start: 522, Stop: 884, Start Num: 14
Candidate Starts for Taquito_3:
(Start: 14 @522 has 23 MA's), (16, 591), (17, 618), (24, 714), (26, 759),

Gene: Wintermute_5 Start: 910, Stop: 1272, Start Num: 14
Candidate Starts for Wintermute_5:
(Start: 14 @910 has 23 MA's), (16, 979), (17, 1006), (24, 1102), (26, 1147),

Gene: Y10_05 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for Y10_05:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: Y2_05 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for Y2_05:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),

Gene: YasnayaPolyana_5 Start: 911, Stop: 1273, Start Num: 14
Candidate Starts for YasnayaPolyana_5:
(Start: 14 @911 has 23 MA's), (16, 980), (17, 1007), (24, 1103), (26, 1148),