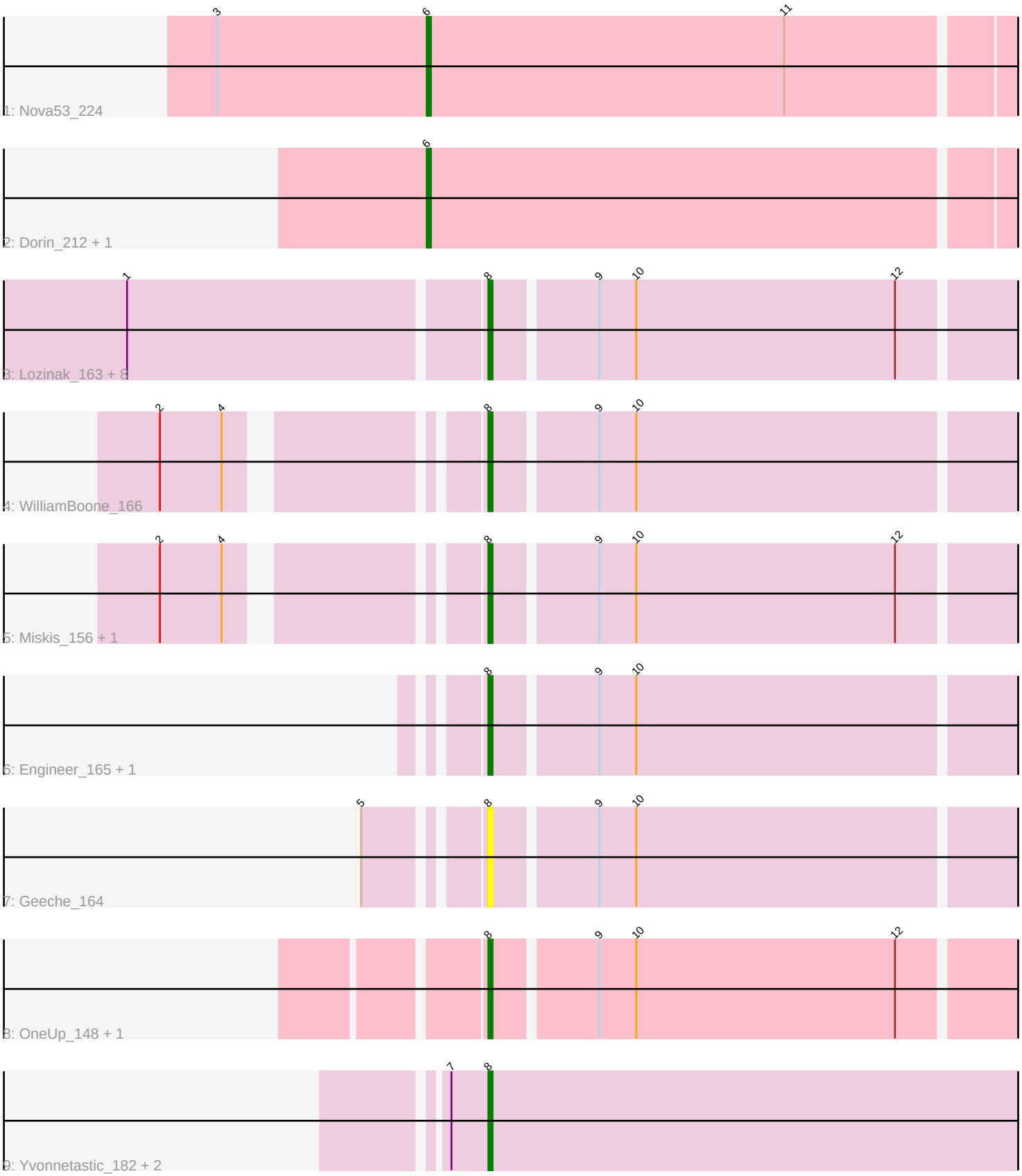
Pham 347997


3
6
11
1: Nova53_224
6
2: Dorin_212 + 1
1
8
9
10
12
3: Lozinak_163 + 8
2
4
8
9
10
4: WilliamBoone_166
2
4
8
9
10
12
5: Miskis_156 + 1
8
9
10
6: Engineer_165 + 1
5
8
9
10
7: Geeche_164
8
9
10
12
8: OneUp_148 + 1
7
8
9: Yvonnetastic_182 + 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 347997 Report

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

Pham number 347997 has 23 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Nova53_224
• Track 2 : Dorin_212, Francesca_213
• Track 3 : Lozinak_163, Toniann_163, Norvs_161, PhinkBoden_161, Bachita_166, Aphelion_162, Smoothie_165, Cucurbita_162, ClubL_164
• Track 4 : WilliamBoone_166
• Track 5 : Miskis_156, Dusty_160
• Track 6 : Engineer_165, Culver_163
• Track 7 : Geeche_164
• Track 8 : OneUp_148, Abscondus_161
• Track 9 : Yvonnetastic_182, Cardigan_183, JonJames_182

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

The start number called the most often in the published annotations is 8, it was called in 19 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_161, Aphelion_162, Bachita_166, Cardigan_183, ClubL_164, Cucurbita_162, Culver_163, Dusty_160, Engineer_165, Geeche_164, JonJames_182, Lozinak_163, Miskis_156, Norvs_161, OneUp_148, PhinkBoden_161, Smoothie_165, Toniann_163, WilliamBoone_166, Yvonnetastic_182,

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

Genes that do not have the "Most Annotated" start:
• Dorin_212, Francesca_213, Nova53_224,

Summary by start number:

Start 6:
• Found in 3 of 23 (13.0%) of genes in pham
• Manual Annotations of this start: 3 of 22

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dorin_212 (CG), Francesca_213 (CG), Nova53_224 (CG),

Start 8:
• Found in 20 of 23 (87.0%) of genes in pham
• Manual Annotations of this start: 19 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_161 (CQ1), Aphelion_162 (CQ1), Bachita_166 (CQ1), Cardigan_183 (DD), ClubL_164 (CQ1), Cucurbita_162 (CQ1), Culver_163 (CQ1), Dusty_160 (CQ1), Engineer_165 (CQ1), Geeche_164 (CQ1), JonJames_182 (DD), Lozinak_163 (CQ1), Miskis_156 (CQ1), Norvs_161 (CQ1), OneUp_148 (CQ2), PhinkBoden_161 (CQ1), Smoothie_165 (CQ1), Toniann_163 (CQ1), WilliamBoone_166 (CQ1), Yvonnetastic_182 (DD),

Summary by clusters:

There are 4 clusters represented in this pham: CQ2, CQ1, CG, DD,

Info for manual annotations of cluster CG:
•Start number 6 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster CQ1:
•Start number 8 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 8 was manually annotated 1 time for cluster CQ2.

Info for manual annotations of cluster DD:
•Start number 8 was manually annotated 3 times for cluster DD.

Gene Information:

Gene: Abscondus_161 Start: 84649, Stop: 84503, Start Num: 8
Candidate Starts for Abscondus_161:
(Start: 8 @84649 has 19 MA's), (9, 84625), (10, 84616), (12, 84553),

Gene: Aphelion_162 Start: 85605, Stop: 85459, Start Num: 8
Candidate Starts for Aphelion_162:
(1, 85689), (Start: 8 @85605 has 19 MA's), (9, 85581), (10, 85572), (12, 85509),

Gene: Bachita_166 Start: 85683, Stop: 85537, Start Num: 8
Candidate Starts for Bachita_166:
(1, 85767), (Start: 8 @85683 has 19 MA's), (9, 85659), (10, 85650), (12, 85587),

Gene: Cardigan_183 Start: 93413, Stop: 93258, Start Num: 8
Candidate Starts for Cardigan_183:
(7, 93422), (Start: 8 @93413 has 19 MA's),

Gene: ClubL_164 Start: 84926, Stop: 84780, Start Num: 8
Candidate Starts for ClubL_164:

(1, 85010), (Start: 8 @84926 has 19 MA's), (9, 84902), (10, 84893), (12, 84830),

Gene: Cucurbita_162 Start: 85987, Stop: 85841, Start Num: 8
Candidate Starts for Cucurbita_162:
(1, 86071), (Start: 8 @85987 has 19 MA's), (9, 85963), (10, 85954), (12, 85891),

Gene: Culver_163 Start: 84156, Stop: 84010, Start Num: 8
Candidate Starts for Culver_163:
(Start: 8 @84156 has 19 MA's), (9, 84132), (10, 84123),

Gene: Dorin_212 Start: 113227, Stop: 113382, Start Num: 6
Candidate Starts for Dorin_212:
(Start: 6 @113227 has 3 MA's),

Gene: Dusty_160 Start: 84473, Stop: 84327, Start Num: 8
Candidate Starts for Dusty_160:
(2, 84539), (4, 84524), (Start: 8 @84473 has 19 MA's), (9, 84449), (10, 84440), (12, 84377),

Gene: Engineer_165 Start: 85558, Stop: 85409, Start Num: 8
Candidate Starts for Engineer_165:
(Start: 8 @85558 has 19 MA's), (9, 85534), (10, 85525),

Gene: Francesca_213 Start: 113879, Stop: 114034, Start Num: 6
Candidate Starts for Francesca_213:
(Start: 6 @113879 has 3 MA's),

Gene: Geeche_164 Start: 85099, Stop: 84950, Start Num: 8
Candidate Starts for Geeche_164:
(5, 85123), (Start: 8 @85099 has 19 MA's), (9, 85075), (10, 85066),

Gene: JonJames_182 Start: 94333, Stop: 94178, Start Num: 8
Candidate Starts for JonJames_182:
(7, 94342), (Start: 8 @94333 has 19 MA's),

Gene: Lozinak_163 Start: 85530, Stop: 85384, Start Num: 8
Candidate Starts for Lozinak_163:
(1, 85614), (Start: 8 @85530 has 19 MA's), (9, 85506), (10, 85497), (12, 85434),

Gene: Miskis_156 Start: 84354, Stop: 84208, Start Num: 8
Candidate Starts for Miskis_156:
(2, 84420), (4, 84405), (Start: 8 @84354 has 19 MA's), (9, 84330), (10, 84321), (12, 84258),

Gene: Norvs_161 Start: 84706, Stop: 84560, Start Num: 8
Candidate Starts for Norvs_161:
(1, 84790), (Start: 8 @84706 has 19 MA's), (9, 84682), (10, 84673), (12, 84610),

Gene: Nova53_224 Start: 117987, Stop: 118142, Start Num: 6
Candidate Starts for Nova53_224:
(3, 117939), (Start: 6 @117987 has 3 MA's), (11, 118074),

Gene: OneUp_148 Start: 84410, Stop: 84264, Start Num: 8
Candidate Starts for OneUp_148:
(Start: 8 @84410 has 19 MA's), (9, 84386), (10, 84377), (12, 84314),

Gene: PhinkBoden_161 Start: 85104, Stop: 84958, Start Num: 8
Candidate Starts for PhinkBoden_161:
(1, 85188), (Start: 8 @85104 has 19 MA's), (9, 85080), (10, 85071), (12, 85008),

Gene: Smoothie_165 Start: 85402, Stop: 85256, Start Num: 8
Candidate Starts for Smoothie_165:
(1, 85486), (Start: 8 @85402 has 19 MA's), (9, 85378), (10, 85369), (12, 85306),

Gene: Toniann_163 Start: 84847, Stop: 84701, Start Num: 8
Candidate Starts for Toniann_163:
(1, 84931), (Start: 8 @84847 has 19 MA's), (9, 84823), (10, 84814), (12, 84751),

Gene: WilliamBoone_166 Start: 83511, Stop: 83365, Start Num: 8
Candidate Starts for WilliamBoone_166:
(2, 83577), (4, 83562), (Start: 8 @83511 has 19 MA's), (9, 83487), (10, 83478),

Gene: Yvonnetastic_182 Start: 91232, Stop: 91077, Start Num: 8
Candidate Starts for Yvonnetastic_182:
(7, 91241), (Start: 8 @91232 has 19 MA's),