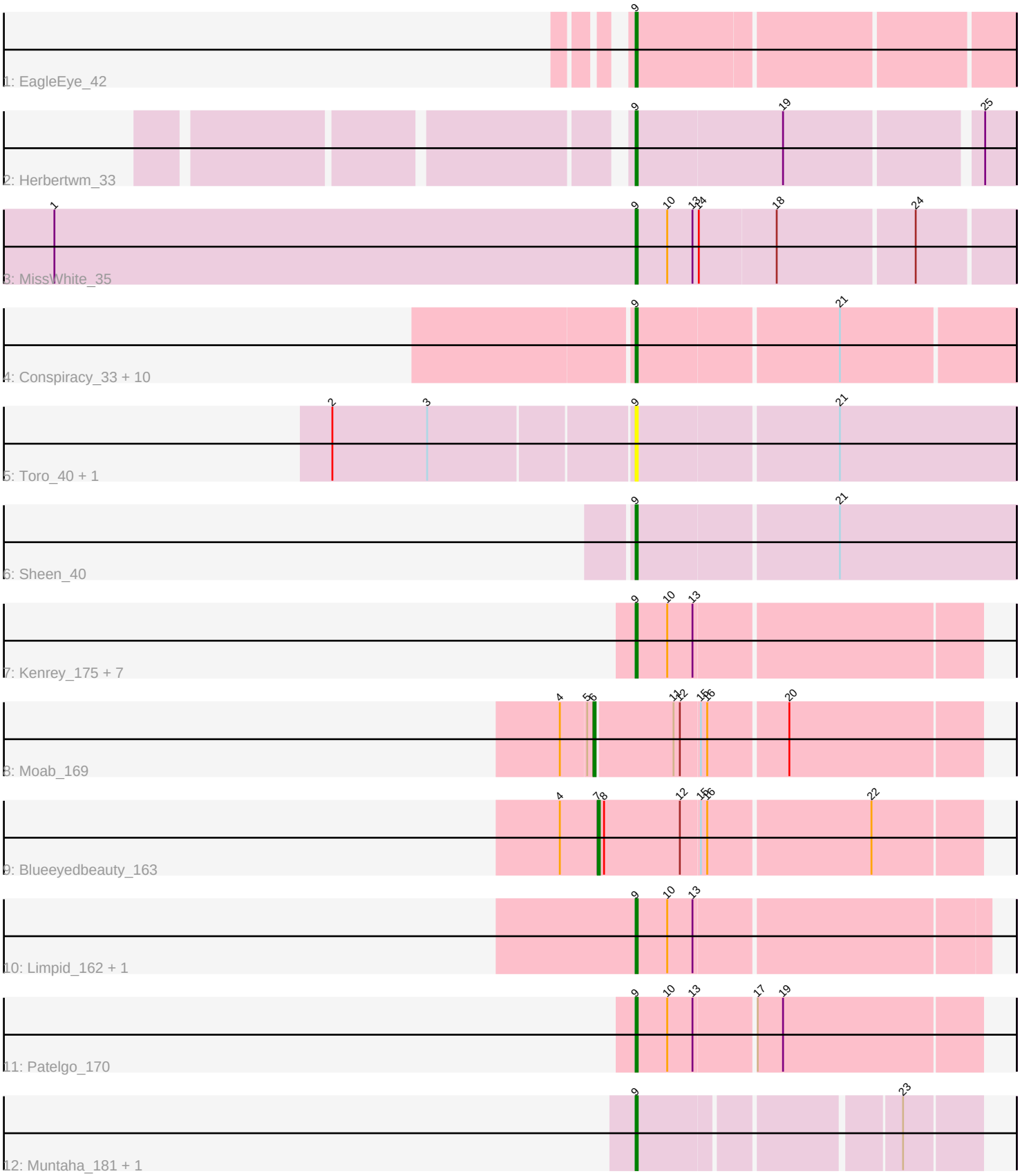
Pham 309008


9
1: EagleEye_42
9
19
25
2: Herbertwm_33
1
9
10
13
14
18
24
3: MissWhite_35
9
21
4: Conspiracy_33 + 10
2
3
9
21
5: Toro_40 + 1
9
21
6: Sheen_40
9
10
13
7: Kenrey_175 + 7
4
5
6
11
12
15
16
20
8: Moab_169
4
7
8
12
15
16
22
9: Blueeyedbeauty_163
9
10
13
10: Limpid_162 + 1
9
10
13
17
19
11: Patelgo_170
9
23
12: Muntaha_181 + 1

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 309008 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309008 has 32 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EagleEye_42
• Track 2 : Herbertwm_33
• Track 3 : MissWhite_35
• Track 4 : Conspiracy_33, Jovo_33, PickleBack_33, Discoknowium_33, Lev2_33, Bluefalcon_32, Aragog_33, AgentM_33, Tiger_33, ForGetIt_33, Phlorence_33
• Track 5 : Toro_40, FlyCatcher_42
• Track 6 : Sheen_40
• Track 7 : Kenrey_175, SparkleGoddess_167, Phredrick_173, Gilson_171, Emma1919_172, Maupel_172, MeganTheeKilla_171, DeluluLabubu_175
• Track 8 : Moab_169
• Track 9 : Blueeyedbeauty_163
• Track 10 : Limpid_162, Annadreamy_155
• Track 11 : Patelgo_170
• Track 12 : Muntaha_181, Wakanda_179

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

The start number called the most often in the published annotations is 9, it was called in 27 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AgentM_33, Annadreamy_155, Aragog_33, Bluefalcon_32, Conspiracy_33, DeluluLabubu_175, Discoknowium_33, EagleEye_42, Emma1919_172, FlyCatcher_42, ForGetIt_33, Gilson_171, Herbertwm_33, Jovo_33, Kenrey_175, Lev2_33, Limpid_162, Maupel_172, MeganTheeKilla_171, MissWhite_35, Muntaha_181, Patelgo_170, Phlorence_33, Phredrick_173, PickleBack_33, Sheen_40, SparkleGoddess_167, Tiger_33, Toro_40, Wakanda_179,

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

Genes that do not have the "Most Annotated" start:
• Blueeyedbeauty_163, Moab_169,

Summary by start number:

Start 6:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_169 (BK1),

Start 7:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Blueeyedbeauty_163 (BK1),

Start 9:
• Found in 30 of 32 (93.8%) of genes in pham
• Manual Annotations of this start: 27 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_33 (A5), Annadreamy_155 (BK1), Aragog_33 (A5), Bluefalcon_32 (A5), Conspiracy_33 (A5), DeluluLabubu_175 (BK1), Discoknowium_33 (A5), EagleEye_42 (A16), Emma1919_172 (BK1), FlyCatcher_42 (A7), ForGetIt_33 (A5), Gilson_171 (BK1), Herbertwm_33 (A2), Jovo_33 (A5), Kenrey_175 (BK1), Lev2_33 (A5), Limpid_162 (BK1), Maupel_172 (BK1), MeganTheeKilla_171 (BK1), MissWhite_35 (A2), Muntaha_181 (BK2), Patelgo_170 (BK1), Phlorence_33 (A5), Phredrick_173 (BK1), PickleBack_33 (A5), Sheen_40 (A7), SparkleGoddess_167 (BK1), Tiger_33 (A5), Toro_40 (A7), Wakanda_179 (BK2),

Summary by clusters:

There are 6 clusters represented in this pham: A16, A7, A2, A5, BK1, BK2,

Info for manual annotations of cluster A16:
•Start number 9 was manually annotated 1 time for cluster A16.

Info for manual annotations of cluster A2:
•Start number 9 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A5:
•Start number 9 was manually annotated 11 times for cluster A5.

Info for manual annotations of cluster A7:
•Start number 9 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster BK1:
•Start number 6 was manually annotated 1 time for cluster BK1.
•Start number 7 was manually annotated 1 time for cluster BK1.
•Start number 9 was manually annotated 10 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 9 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: AgentM_33 Start: 27221, Stop: 27048, Start Num: 9
Candidate Starts for AgentM_33:
(Start: 9 @27221 has 27 MA's), (21, 27128),

Gene: Annadreamy_155 Start: 86035, Stop: 86196, Start Num: 9
Candidate Starts for Annadreamy_155:
(Start: 9 @86035 has 27 MA's), (10, 86050), (13, 86062),

Gene: Aragog_33 Start: 27251, Stop: 27078, Start Num: 9
Candidate Starts for Aragog_33:
(Start: 9 @27251 has 27 MA's), (21, 27158),

Gene: Blueeyedbeauty_163 Start: 89793, Stop: 89969, Start Num: 7
Candidate Starts for Blueeyedbeauty_163:
(4, 89775), (Start: 7 @89793 has 1 MA's), (8, 89796), (12, 89832), (15, 89841), (16, 89844), (22, 89919),

Gene: Bluefalcon_32 Start: 27310, Stop: 27137, Start Num: 9
Candidate Starts for Bluefalcon_32:
(Start: 9 @27310 has 27 MA's), (21, 27217),

Gene: Conspiracy_33 Start: 27051, Stop: 26878, Start Num: 9
Candidate Starts for Conspiracy_33:
(Start: 9 @27051 has 27 MA's), (21, 26958),

Gene: DeluluLabubu_175 Start: 92914, Stop: 93072, Start Num: 9
Candidate Starts for DeluluLabubu_175:
(Start: 9 @92914 has 27 MA's), (10, 92929), (13, 92941),

Gene: Discoknowium_33 Start: 27260, Stop: 27087, Start Num: 9
Candidate Starts for Discoknowium_33:
(Start: 9 @27260 has 27 MA's), (21, 27167),

Gene: EagleEye_42 Start: 28092, Stop: 27922, Start Num: 9
Candidate Starts for EagleEye_42:
(Start: 9 @28092 has 27 MA's),

Gene: Emma1919_172 Start: 90967, Stop: 91125, Start Num: 9
Candidate Starts for Emma1919_172:
(Start: 9 @90967 has 27 MA's), (10, 90982), (13, 90994),

Gene: FlyCatcher_42 Start: 30517, Stop: 30341, Start Num: 9
Candidate Starts for FlyCatcher_42:
(2, 30655), (3, 30610), (Start: 9 @30517 has 27 MA's), (21, 30424),

Gene: ForGetIt_33 Start: 27076, Stop: 26903, Start Num: 9
Candidate Starts for ForGetIt_33:
(Start: 9 @27076 has 27 MA's), (21, 26983),

Gene: Gilson_171 Start: 90929, Stop: 91087, Start Num: 9
Candidate Starts for Gilson_171:

(Start: 9 @90929 has 27 MA's), (10, 90944), (13, 90956),

Gene: Herbertwm_33 Start: 26340, Stop: 26170, Start Num: 9
Candidate Starts for Herbertwm_33:
(Start: 9 @26340 has 27 MA's), (19, 26271), (25, 26184),

Gene: Jovo_33 Start: 27332, Stop: 27159, Start Num: 9
Candidate Starts for Jovo_33:
(Start: 9 @27332 has 27 MA's), (21, 27239),

Gene: Kenrey_175 Start: 92276, Stop: 92434, Start Num: 9
Candidate Starts for Kenrey_175:
(Start: 9 @92276 has 27 MA's), (10, 92291), (13, 92303),

Gene: Lev2_33 Start: 26964, Stop: 26791, Start Num: 9
Candidate Starts for Lev2_33:
(Start: 9 @26964 has 27 MA's), (21, 26871),

Gene: Limpid_162 Start: 91348, Stop: 91509, Start Num: 9
Candidate Starts for Limpid_162:
(Start: 9 @91348 has 27 MA's), (10, 91363), (13, 91375),

Gene: Maupel_172 Start: 90929, Stop: 91087, Start Num: 9
Candidate Starts for Maupel_172:
(Start: 9 @90929 has 27 MA's), (10, 90944), (13, 90956),

Gene: MeganTheeKilla_171 Start: 90998, Stop: 91156, Start Num: 9
Candidate Starts for MeganTheeKilla_171:
(Start: 9 @90998 has 27 MA's), (10, 91013), (13, 91025),

Gene: MissWhite_35 Start: 26407, Stop: 26234, Start Num: 9
Candidate Starts for MissWhite_35:
(1, 26683), (Start: 9 @26407 has 27 MA's), (10, 26392), (13, 26380), (14, 26377), (18, 26341), (24, 26278),

Gene: Moab_169 Start: 93479, Stop: 93655, Start Num: 6
Candidate Starts for Moab_169:
(4, 93464), (5, 93476), (Start: 6 @93479 has 1 MA's), (11, 93515), (12, 93518), (15, 93527), (16, 93530), (20, 93566),

Gene: Muntaha_181 Start: 94020, Stop: 94169, Start Num: 9
Candidate Starts for Muntaha_181:
(Start: 9 @94020 has 27 MA's), (23, 94134),

Gene: Patelgo_170 Start: 93953, Stop: 94111, Start Num: 9
Candidate Starts for Patelgo_170:
(Start: 9 @93953 has 27 MA's), (10, 93968), (13, 93980), (17, 94007), (19, 94019),

Gene: Phlorence_33 Start: 27251, Stop: 27078, Start Num: 9
Candidate Starts for Phlorence_33:
(Start: 9 @27251 has 27 MA's), (21, 27158),

Gene: Phredrick_173 Start: 90900, Stop: 91058, Start Num: 9

Candidate Starts for Phredrick_173:
(Start: 9 @90900 has 27 MA's), (10, 90915), (13, 90927),

Gene: PickleBack_33 Start: 26965, Stop: 26792, Start Num: 9
Candidate Starts for PickleBack_33:
(Start: 9 @26965 has 27 MA's), (21, 26872),

Gene: Sheen_40 Start: 30590, Stop: 30414, Start Num: 9
Candidate Starts for Sheen_40:
(Start: 9 @30590 has 27 MA's), (21, 30497),

Gene: SparkleGoddess_167 Start: 92270, Stop: 92428, Start Num: 9
Candidate Starts for SparkleGoddess_167:
(Start: 9 @92270 has 27 MA's), (10, 92285), (13, 92297),

Gene: Tiger_33 Start: 27042, Stop: 26869, Start Num: 9
Candidate Starts for Tiger_33:
(Start: 9 @27042 has 27 MA's), (21, 26949),

Gene: Toro_40 Start: 30517, Stop: 30341, Start Num: 9
Candidate Starts for Toro_40:
(2, 30655), (3, 30610), (Start: 9 @30517 has 27 MA's), (21, 30424),

Gene: Wakanda_179 Start: 93700, Stop: 93849, Start Num: 9
Candidate Starts for Wakanda_179:
(Start: 9 @93700 has 27 MA's), (23, 93814),