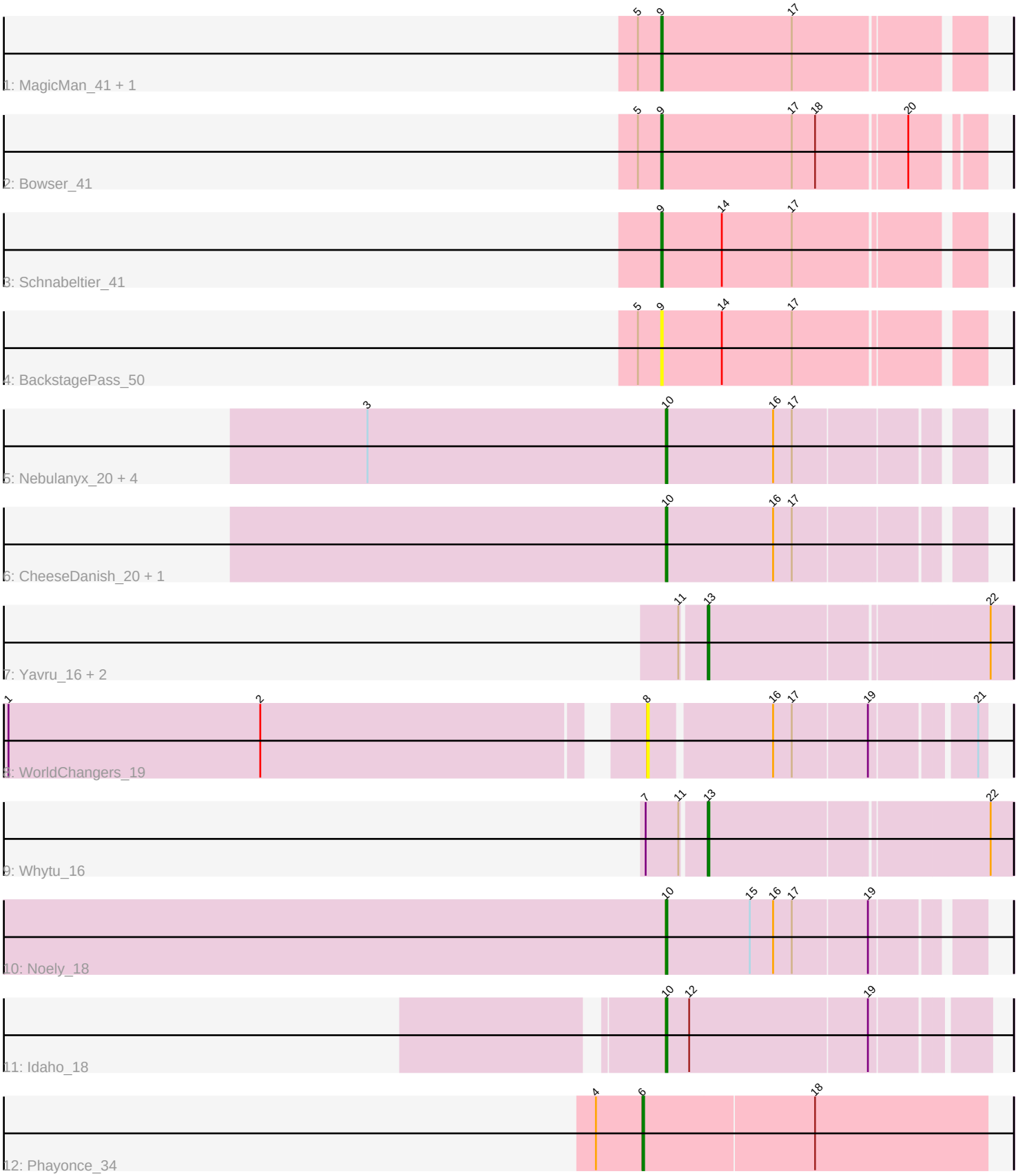
Pham 296978


5 9 17
1: MagicMan_41 + 1
5 9 17 18 20
2: Bowser_41
9 14 17
3: Schnabeltier_41
5 9 14 17
4: BackstagePass_50
3 10 16 17
5: Nebulanyx_20 + 4
10 16 17
6: CheeseDanish_20 + 1
11 13 22
7: Yavru_16 + 2
1 2 8 16 17 19 21
8: WorldChangers_19
7 11 13 22
9: Whytu_16
10 15 16 17 19
10: Noely_18
10 12 19
11: Idaho_18
4 6 18
12: Phayonce_34

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 296978 Report

This analysis was run 04/25/26 on database version 644.

Pham number 296978 has 20 members, 6 are drafts.

Phages represented in each track:
• Track 1 : MagicMan_41, Eyes_39
• Track 2 : Bowser_41
• Track 3 : Schnabeltier_41
• Track 4 : BackstagePass_50
• Track 5 : Nebulanyx_20, Pauu_19, KNG13_20, CabbageMan_18, LauKoruNamu_19
• Track 6 : CheeseDanish_20, Corgi_20
• Track 7 : Yavru_16, Piku_16, Utopia_16
• Track 8 : WorldChangers_19
• Track 9 : Whytu_16
• Track 10 : Noely_18
• Track 11 : Idaho_18
• Track 12 : Phayonce_34

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

The start number called the most often in the published annotations is 10, it was called in 5 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CabbageMan_18, CheeseDanish_20, Corgi_20, Idaho_18, KNG13_20, LauKoruNamu_19, Nebulanyx_20, Noely_18, Pauu_19,

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

Genes that do not have the "Most Annotated" start:
• BackstagePass_50, Bowser_41, Eyes_39, MagicMan_41, Phayonce_34, Piku_16, Schnabeltier_41, Utopia_16, Whytu_16, WorldChangers_19, Yavru_16,

Summary by start number:

Start 6:
• Found in 1 of 20 (5.0%) of genes in pham

• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phayonce_34 (P5),

Start 8:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WorldChangers_19 (FE),

Start 9:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_50 (DB), Bowser_41 (DB), Eyes_39 (DB), MagicMan_41 (DB), Schnabeltier_41 (DB),

Start 10:
• Found in 9 of 20 (45.0%) of genes in pham
• Manual Annotations of this start: 5 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_18 (FE), CheeseDanish_20 (FE), Corgi_20 (FE), Idaho_18 (FE), KNG13_20 (FE), LauKoruNamu_19 (FE), Nebulanyx_20 (FE), Noely_18 (FE), Pauu_19 (FE),

Start 13:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Piku_16 (FE), Utopia_16 (FE), Whytu_16 (FE), Yavru_16 (FE),

Summary by clusters:

There are 3 clusters represented in this pham: DB, FE, P5,

Info for manual annotations of cluster DB:
•Start number 9 was manually annotated 4 times for cluster DB.

Info for manual annotations of cluster FE:
•Start number 10 was manually annotated 5 times for cluster FE.
•Start number 13 was manually annotated 4 times for cluster FE.

Info for manual annotations of cluster P5:
•Start number 6 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: BackstagePass_50 Start: 34306, Stop: 34112, Start Num: 9
Candidate Starts for BackstagePass_50:
(5, 34321), (Start: 9 @34306 has 4 MA's), (14, 34267), (17, 34222),

Gene: Bowser_41 Start: 32656, Stop: 32847, Start Num: 9
Candidate Starts for Bowser_41:
(5, 32641), (Start: 9 @32656 has 4 MA's), (17, 32740), (18, 32755), (20, 32809),

Gene: CabbageMan_18 Start: 13371, Stop: 13559, Start Num: 10
Candidate Starts for CabbageMan_18:
(3, 13179), (Start: 10 @13371 has 5 MA's), (16, 13440), (17, 13452),

Gene: CheeseDanish_20 Start: 13530, Stop: 13718, Start Num: 10
Candidate Starts for CheeseDanish_20:
(Start: 10 @13530 has 5 MA's), (16, 13599), (17, 13611),

Gene: Corgi_20 Start: 13530, Stop: 13718, Start Num: 10
Candidate Starts for Corgi_20:
(Start: 10 @13530 has 5 MA's), (16, 13599), (17, 13611),

Gene: Eyes_39 Start: 32432, Stop: 32626, Start Num: 9
Candidate Starts for Eyes_39:
(5, 32417), (Start: 9 @32432 has 4 MA's), (17, 32516),

Gene: Idaho_18 Start: 13771, Stop: 13965, Start Num: 10
Candidate Starts for Idaho_18:
(Start: 10 @13771 has 5 MA's), (12, 13786), (19, 13897),

Gene: KNG13_20 Start: 13527, Stop: 13715, Start Num: 10
Candidate Starts for KNG13_20:
(3, 13335), (Start: 10 @13527 has 5 MA's), (16, 13596), (17, 13608),

Gene: LauKoruNamu_19 Start: 13371, Stop: 13559, Start Num: 10
Candidate Starts for LauKoruNamu_19:
(3, 13179), (Start: 10 @13371 has 5 MA's), (16, 13440), (17, 13452),

Gene: MagicMan_41 Start: 32979, Stop: 33173, Start Num: 9
Candidate Starts for MagicMan_41:
(5, 32964), (Start: 9 @32979 has 4 MA's), (17, 33063),

Gene: Nebulanyx_20 Start: 13527, Stop: 13715, Start Num: 10
Candidate Starts for Nebulanyx_20:
(3, 13335), (Start: 10 @13527 has 5 MA's), (16, 13596), (17, 13608),

Gene: Noely_18 Start: 12900, Stop: 13088, Start Num: 10
Candidate Starts for Noely_18:
(Start: 10 @12900 has 5 MA's), (15, 12954), (16, 12969), (17, 12981), (19, 13026),

Gene: Pauu_19 Start: 13371, Stop: 13559, Start Num: 10
Candidate Starts for Pauu_19:
(3, 13179), (Start: 10 @13371 has 5 MA's), (16, 13440), (17, 13452),

Gene: Phayonce_34 Start: 29517, Stop: 29735, Start Num: 6
Candidate Starts for Phayonce_34:
(4, 29487), (Start: 6 @29517 has 1 MA's), (18, 29625),

Gene: Piku_16 Start: 12727, Stop: 12912, Start Num: 13
Candidate Starts for Piku_16:
(11, 12712), (Start: 13 @12727 has 4 MA's), (22, 12898),

Gene: Schnabeltier_41 Start: 32611, Stop: 32805, Start Num: 9
Candidate Starts for Schnabeltier_41:
(Start: 9 @32611 has 4 MA's), (14, 32650), (17, 32695),

Gene: Utopia_16 Start: 12698, Stop: 12883, Start Num: 13
Candidate Starts for Utopia_16:
(11, 12683), (Start: 13 @12698 has 4 MA's), (22, 12869),

Gene: Whytu_16 Start: 12793, Stop: 12978, Start Num: 13
Candidate Starts for Whytu_16:
(7, 12757), (11, 12778), (Start: 13 @12793 has 4 MA's), (22, 12964),

Gene: WorldChangers_19 Start: 13105, Stop: 13302, Start Num: 8
Candidate Starts for WorldChangers_19:
(1, 12715), (2, 12877), (8, 13105), (16, 13180), (17, 13192), (19, 13237), (21, 13297),

Gene: Yavru_16 Start: 12688, Stop: 12873, Start Num: 13
Candidate Starts for Yavru_16:
(11, 12673), (Start: 13 @12688 has 4 MA's), (22, 12859),