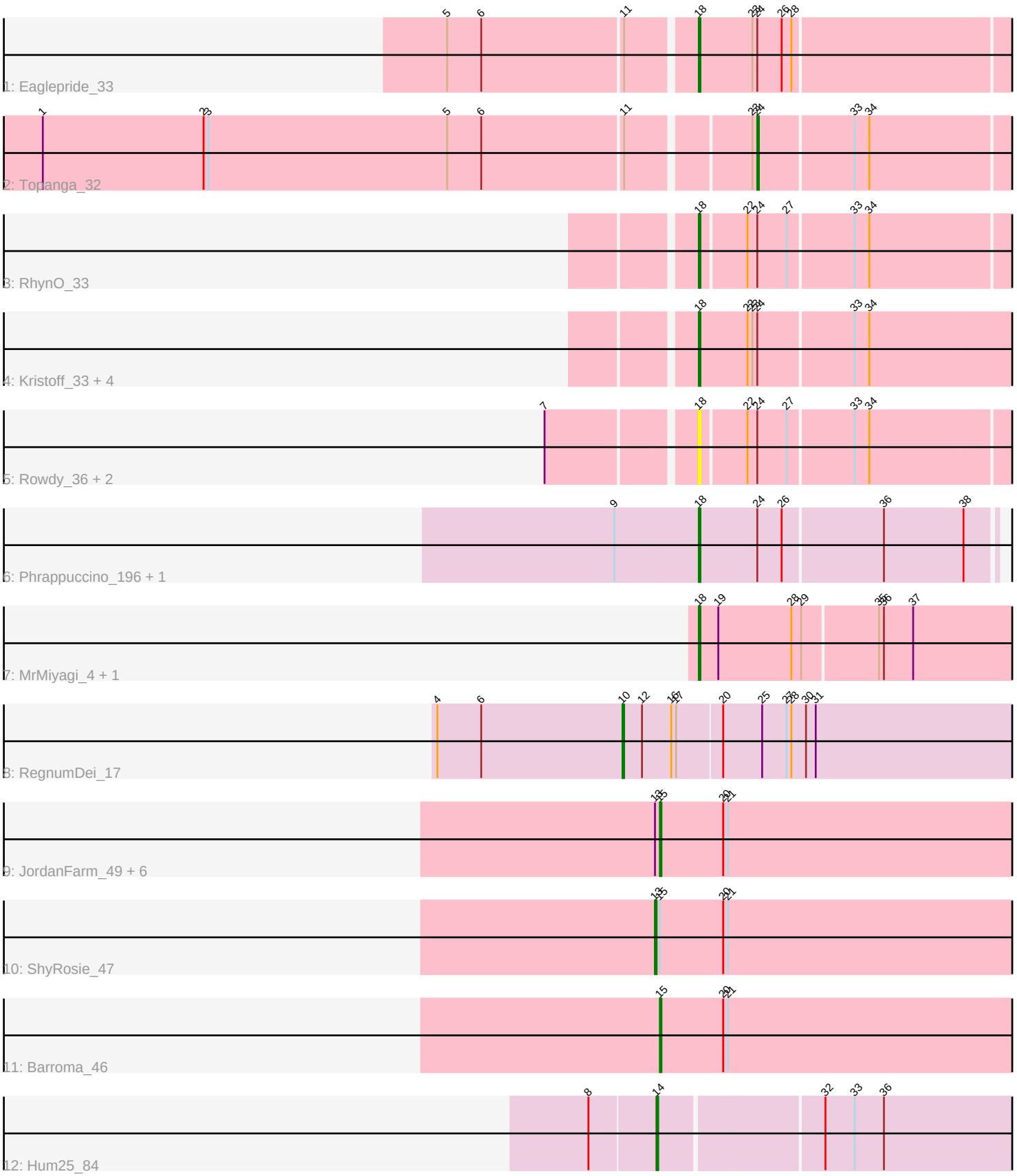
Pham 346076


1: Eaglepride_33
2: Topanga_32
3: RhynO_33
4: Kristoff_33 + 4
5: Rowdy_36 + 2
6: Phrappuccino_196 + 1
7: MrMiyagi_4 + 1
8: RegnumDei_17
9: JordanFarm_49 + 6
10: ShyRosie_47
11: Barroma_46
12: Hum25_84

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 346076 Report

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

Pham number 346076 has 26 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Eaglepride_33
• Track 2 : Topanga_32
• Track 3 : RhynO_33
• Track 4 : Kristoff_33, Rebeuca_33, WalterMcMickey_32, Edison31_32, Twister_32
• Track 5 : Rowdy_36, Shapes_36, DustyMartin_36
• Track 6 : Phrappuccino_196, Settecandela_221
• Track 7 : MrMiyagi_4, Fowlmouth_4
• Track 8 : RegnumDei_17
• Track 9 : JordanFarm_49, Waterlily_50, Truong_47, Ashton_48, AloeVera_48, SoilSleuth_49, Akoni_47
• Track 10 : ShyRosie_47
• Track 11 : Barroma_46
• Track 12 : Hum25_84

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

The start number called the most often in the published annotations is 18, it was called in 11 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DustyMartin_36, Eaglepride_33, Edison31_32, Fowlmouth_4, Kristoff_33, MrMiyagi_4, Phrappuccino_196, Rebeuca_33, RhynO_33, Rowdy_36, Settecandela_221, Shapes_36, Twister_32, WalterMcMickey_32,

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

Genes that do not have the "Most Annotated" start:
• Akoni_47, AloeVera_48, Ashton_48, Barroma_46, Hum25_84, JordanFarm_49, RegnumDei_17, ShyRosie_47, SoilSleuth_49, Topanga_32, Truong_47, Waterlily_50,

Summary by start number:

Start 10:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RegnumDei_17 (CF),

Start 13:
• Found in 8 of 26 (30.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 12.5% of time when present
• Phage (with cluster) where this start called: ShyRosie_47 (EK2),

Start 14:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_84 (FQ1),

Start 15:
• Found in 9 of 26 (34.6%) of genes in pham
• Manual Annotations of this start: 6 of 21
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Akoni_47 (EK2), AloeVera_48 (EK2), Ashton_48 (EK2), Barroma_46 (EK2), JordanFarm_49 (EK2), SoilSleuth_49 (EK2), Truong_47 (EK2), Waterlily_50 (EK2),

Start 18:
• Found in 14 of 26 (53.8%) of genes in pham
• Manual Annotations of this start: 11 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DustyMartin_36 (A10), Eaglepride_33 (A10), Edison31_32 (A10), Fowlmouth_4 (AC), Kristoff_33 (A10), MrMiyagi_4 (AC), Phrappuccino_196 (AA), Rebeuca_33 (A10), RhynO_33 (A10), Rowdy_36 (A10), Settecandela_221 (AA), Shapes_36 (A10), Twister_32 (A10), WalterMcMickey_32 (A10),

Start 24:
• Found in 13 of 26 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Topanga_32 (A10),

Summary by clusters:

There are 6 clusters represented in this pham: AA, AC, A10, CF, FQ1, EK2,

Info for manual annotations of cluster A10:
•Start number 18 was manually annotated 7 times for cluster A10.
•Start number 24 was manually annotated 1 time for cluster A10.

Info for manual annotations of cluster AA:
•Start number 18 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AC:
•Start number 18 was manually annotated 2 times for cluster AC.

Info for manual annotations of cluster CF:
•Start number 10 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster EK2:
•Start number 13 was manually annotated 1 time for cluster EK2.
•Start number 15 was manually annotated 6 times for cluster EK2.

Info for manual annotations of cluster FQ1:
•Start number 14 was manually annotated 1 time for cluster FQ1.

Gene Information:

Gene: Akoni_47 Start: 48233, Stop: 48451, Start Num: 15
Candidate Starts for Akoni_47:
(Start: 13 @48230 has 1 MA's), (Start: 15 @48233 has 6 MA's), (20, 48272), (21, 48275),

Gene: AloeVera_48 Start: 48446, Stop: 48664, Start Num: 15
Candidate Starts for AloeVera_48:
(Start: 13 @48443 has 1 MA's), (Start: 15 @48446 has 6 MA's), (20, 48485), (21, 48488),

Gene: Ashton_48 Start: 48445, Stop: 48663, Start Num: 15
Candidate Starts for Ashton_48:
(Start: 13 @48442 has 1 MA's), (Start: 15 @48445 has 6 MA's), (20, 48484), (21, 48487),

Gene: Barroma_46 Start: 48235, Stop: 48453, Start Num: 15
Candidate Starts for Barroma_46:
(Start: 15 @48235 has 6 MA's), (20, 48274), (21, 48277),

Gene: DustyMartin_36 Start: 23349, Stop: 23537, Start Num: 18
Candidate Starts for DustyMartin_36:
(7, 23265), (Start: 18 @23349 has 11 MA's), (22, 23376), (Start: 24 @23382 has 1 MA's), (27, 23400), (33, 23439), (34, 23448),

Gene: Eaglepride_33 Start: 23262, Stop: 23453, Start Num: 18
Candidate Starts for Eaglepride_33:
(5, 23118), (6, 23139), (11, 23223), (Start: 18 @23262 has 11 MA's), (23, 23295), (Start: 24 @23298 has 1 MA's), (26, 23313), (28, 23319),

Gene: Edison31_32 Start: 23292, Stop: 23486, Start Num: 18
Candidate Starts for Edison31_32:
(Start: 18 @23292 has 11 MA's), (22, 23322), (23, 23325), (Start: 24 @23328 has 1 MA's), (33, 23385), (34, 23394),

Gene: Fowlmouth_4 Start: 3411, Stop: 3611, Start Num: 18
Candidate Starts for Fowlmouth_4:
(Start: 18 @3411 has 11 MA's), (19, 3423), (28, 3468), (29, 3474), (35, 3519), (36, 3522), (37, 3540),

Gene: Hum25_84 Start: 41844, Stop: 42065, Start Num: 14

Candidate Starts for Hum25_84:
(8, 41805), (Start: 14 @41844 has 1 MA's), (32, 41940), (33, 41958), (36, 41976),

Gene: JordanFarm_49 Start: 48446, Stop: 48664, Start Num: 15
Candidate Starts for JordanFarm_49:
(Start: 13 @48443 has 1 MA's), (Start: 15 @48446 has 6 MA's), (20, 48485), (21, 48488),

Gene: Kristoff_33 Start: 23456, Stop: 23650, Start Num: 18
Candidate Starts for Kristoff_33:
(Start: 18 @23456 has 11 MA's), (22, 23486), (23, 23489), (Start: 24 @23492 has 1 MA's), (33, 23549), (34, 23558),

Gene: MrMiyagi_4 Start: 3411, Stop: 3611, Start Num: 18
Candidate Starts for MrMiyagi_4:
(Start: 18 @3411 has 11 MA's), (19, 3423), (28, 3468), (29, 3474), (35, 3519), (36, 3522), (37, 3540),

Gene: Phrappuccino_196 Start: 132446, Stop: 132622, Start Num: 18
Candidate Starts for Phrappuccino_196:
(9, 132395), (Start: 18 @132446 has 11 MA's), (Start: 24 @132482 has 1 MA's), (26, 132497), (36, 132557), (38, 132605),

Gene: Rebeuca_33 Start: 23457, Stop: 23651, Start Num: 18
Candidate Starts for Rebeuca_33:
(Start: 18 @23457 has 11 MA's), (22, 23487), (23, 23490), (Start: 24 @23493 has 1 MA's), (33, 23550), (34, 23559),

Gene: RegnumDei_17 Start: 12127, Stop: 12363, Start Num: 10
Candidate Starts for RegnumDei_17:
(4, 12013), (6, 12040), (Start: 10 @12127 has 1 MA's), (12, 12139), (16, 12157), (17, 12160), (20, 12187), (25, 12211), (27, 12226), (28, 12229), (30, 12238), (31, 12244),

Gene: RhynO_33 Start: 23438, Stop: 23626, Start Num: 18
Candidate Starts for RhynO_33:
(Start: 18 @23438 has 11 MA's), (22, 23465), (Start: 24 @23471 has 1 MA's), (27, 23489), (33, 23528), (34, 23537),

Gene: Rowdy_36 Start: 23349, Stop: 23537, Start Num: 18
Candidate Starts for Rowdy_36:
(7, 23265), (Start: 18 @23349 has 11 MA's), (22, 23376), (Start: 24 @23382 has 1 MA's), (27, 23400), (33, 23439), (34, 23448),

Gene: Settecandela_221 Start: 141293, Stop: 141469, Start Num: 18
Candidate Starts for Settecandela_221:
(9, 141242), (Start: 18 @141293 has 11 MA's), (Start: 24 @141329 has 1 MA's), (26, 141344), (36, 141404), (38, 141452),

Gene: Shapes_36 Start: 23349, Stop: 23537, Start Num: 18
Candidate Starts for Shapes_36:
(7, 23265), (Start: 18 @23349 has 11 MA's), (22, 23376), (Start: 24 @23382 has 1 MA's), (27, 23400), (33, 23439), (34, 23448),

Gene: ShyRosie_47 Start: 48452, Stop: 48673, Start Num: 13
Candidate Starts for ShyRosie_47:

(Start: 13 @48452 has 1 MA's), (Start: 15 @48455 has 6 MA's), (20, 48494), (21, 48497),

Gene: SoilSleuth_49 Start: 48277, Stop: 48495, Start Num: 15
Candidate Starts for SoilSleuth_49:
(Start: 13 @48274 has 1 MA's), (Start: 15 @48277 has 6 MA's), (20, 48316), (21, 48319),

Gene: Topanga_32 Start: 23414, Stop: 23569, Start Num: 24
Candidate Starts for Topanga_32:
(1, 22988), (2, 23087), (3, 23090), (5, 23237), (6, 23258), (11, 23342), (23, 23411), (Start: 24 @23414 has 1 MA's), (33, 23471), (34, 23480),

Gene: Truong_47 Start: 48235, Stop: 48453, Start Num: 15
Candidate Starts for Truong_47:
(Start: 13 @48232 has 1 MA's), (Start: 15 @48235 has 6 MA's), (20, 48274), (21, 48277),

Gene: Twister_32 Start: 23290, Stop: 23484, Start Num: 18
Candidate Starts for Twister_32:
(Start: 18 @23290 has 11 MA's), (22, 23320), (23, 23323), (Start: 24 @23326 has 1 MA's), (33, 23383), (34, 23392),

Gene: WalterMcMickey_32 Start: 23290, Stop: 23484, Start Num: 18
Candidate Starts for WalterMcMickey_32:
(Start: 18 @23290 has 11 MA's), (22, 23320), (23, 23323), (Start: 24 @23326 has 1 MA's), (33, 23383), (34, 23392),

Gene: Waterlily_50 Start: 48486, Stop: 48704, Start Num: 15
Candidate Starts for Waterlily_50:
(Start: 13 @48483 has 1 MA's), (Start: 15 @48486 has 6 MA's), (20, 48525), (21, 48528),