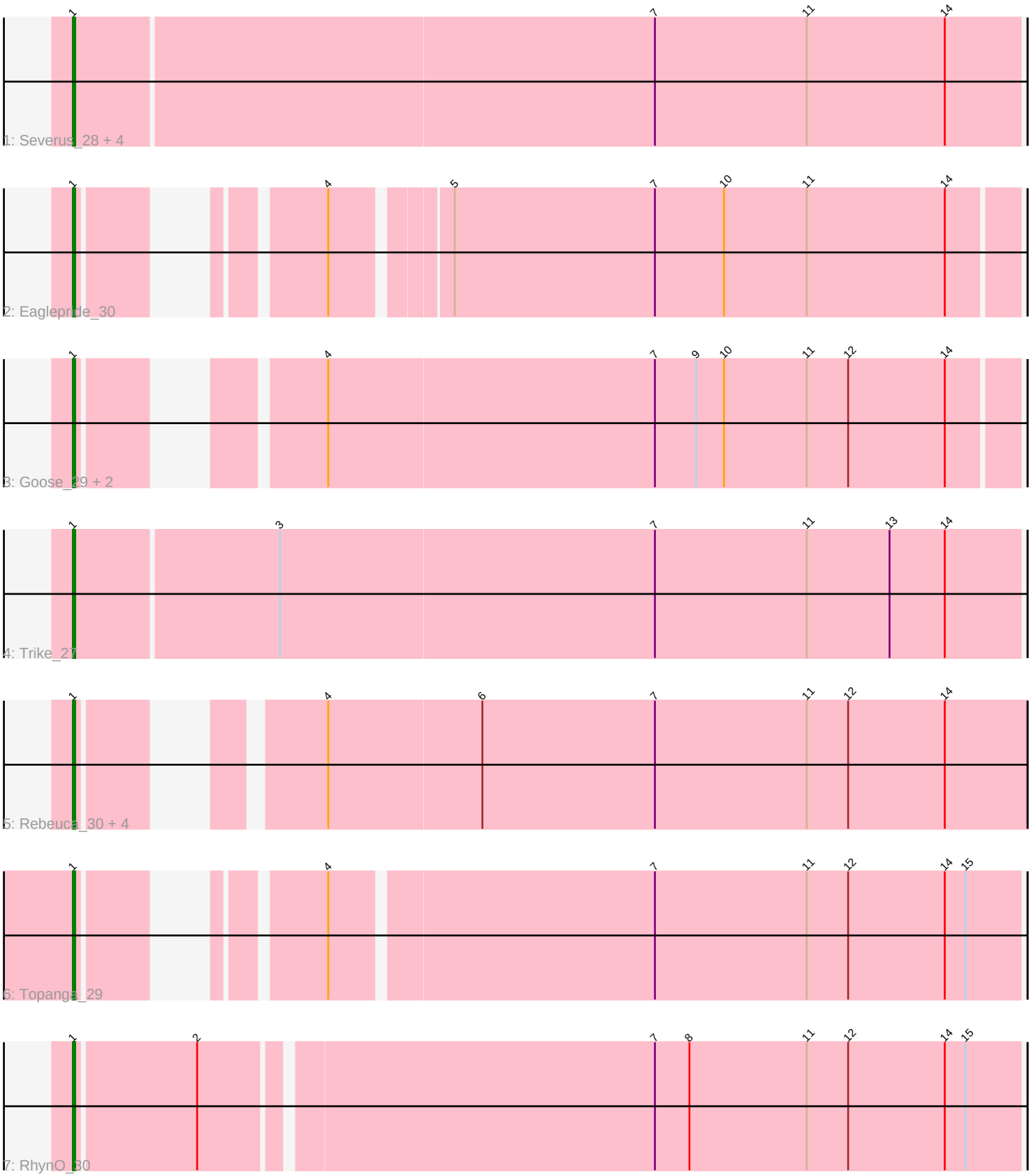
Pham 106665


1
7
11
14
1: Severus_28 + 4
1
4
5
7
10
11
14
2: Eaglepride_30
1
4
7
9
10
11
12
14
3: Goose_29 + 2
1
3
7
11
13
14
4: Trike_27
1
4
6
7
11
12
14
5: Rebeuca_30 + 4
1
4
7
11
12
14
15
6: Topanga_29
1
2
7
8
11
12
14
15
7: RhynO_30

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 106665 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106665 has 17 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Severus_28, Poompha_28, PeaceMeal1_28, KittenMittens_28, Drake94_28
• Track 2 : Eaglepride_30
• Track 3 : Goose_29, OKCentral2016_29, Chupacabra_29
• Track 4 : Trike_27
• Track 5 : Rebeuca_30, Kristoff_30, Edison31_29, WalterMcMickey_29, Twister_29
• Track 6 : Topanga_29
• Track 7 : RhynO_30

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

The start number called the most often in the published annotations is 1, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Chupacabra_29, Drake94_28, Eaglepride_30, Edison31_29, Goose_29, KittenMittens_28, Kristoff_30, OKCentral2016_29, PeaceMeal1_28, Poompha_28, Rebeuca_30, RhynO_30, Severus_28, Topanga_29, Trike_27, Twister_29, WalterMcMickey_29,

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

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

Summary by start number:

Start 1:
• Found in 17 of 17 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chupacabra_29 (A10), Drake94_28 (A10), Eaglepride_30 (A10), Edison31_29 (A10), Goose_29 (A10), KittenMittens_28

(A10), Kristoff_30 (A10), OKCentral2016_29 (A10), PeaceMeal1_28 (A10), Poompha_28 (A10), Rebeuca_30 (A10), RhynO_30 (A10), Severus_28 (A10), Topanga_29 (A10), Trike_27 (A10), Twister_29 (A10), WalterMcMickey_29 (A10),

Summary by clusters:

There is one cluster represented in this pham: A10

Info for manual annotations of cluster A10:
•Start number 1 was manually annotated 16 times for cluster A10.

Gene Information:

Gene: Chupacabra_29 Start: 22041, Stop: 22412, Start Num: 1
Candidate Starts for Chupacabra_29:
(Start: 1 @22041 has 16 MA's), (4, 22116), (7, 22257), (9, 22275), (10, 22287), (11, 22323), (12, 22341), (14, 22383),

Gene: Drake94_28 Start: 20137, Stop: 20544, Start Num: 1
Candidate Starts for Drake94_28:
(Start: 1 @20137 has 16 MA's), (7, 20386), (11, 20452), (14, 20512),

Gene: Eaglepride_30 Start: 22063, Stop: 22422, Start Num: 1
Candidate Starts for Eaglepride_30:
(Start: 1 @22063 has 16 MA's), (4, 22135), (5, 22180), (7, 22267), (10, 22297), (11, 22333), (14, 22393),

Gene: Edison31_29 Start: 22078, Stop: 22452, Start Num: 1
Candidate Starts for Edison31_29:
(Start: 1 @22078 has 16 MA's), (4, 22150), (6, 22216), (7, 22291), (11, 22357), (12, 22375), (14, 22417),

Gene: Goose_29 Start: 22042, Stop: 22413, Start Num: 1
Candidate Starts for Goose_29:
(Start: 1 @22042 has 16 MA's), (4, 22117), (7, 22258), (9, 22276), (10, 22288), (11, 22324), (12, 22342), (14, 22384),

Gene: KittenMittens_28 Start: 20145, Stop: 20552, Start Num: 1
Candidate Starts for KittenMittens_28:
(Start: 1 @20145 has 16 MA's), (7, 20394), (11, 20460), (14, 20520),

Gene: Kristoff_30 Start: 22242, Stop: 22616, Start Num: 1
Candidate Starts for Kristoff_30:
(Start: 1 @22242 has 16 MA's), (4, 22314), (6, 22380), (7, 22455), (11, 22521), (12, 22539), (14, 22581),

Gene: OKCentral2016_29 Start: 21748, Stop: 22119, Start Num: 1
Candidate Starts for OKCentral2016_29:
(Start: 1 @21748 has 16 MA's), (4, 21823), (7, 21964), (9, 21982), (10, 21994), (11, 22030), (12, 22048), (14, 22090),

Gene: PeaceMeal1_28 Start: 20146, Stop: 20553, Start Num: 1
Candidate Starts for PeaceMeal1_28:
(Start: 1 @20146 has 16 MA's), (7, 20395), (11, 20461), (14, 20521),

Gene: Poompha_28 Start: 20144, Stop: 20551, Start Num: 1
Candidate Starts for Poompha_28:
(Start: 1 @20144 has 16 MA's), (7, 20393), (11, 20459), (14, 20519),

Gene: Rebeuca_30 Start: 22243, Stop: 22617, Start Num: 1
Candidate Starts for Rebeuca_30:
(Start: 1 @22243 has 16 MA's), (4, 22315), (6, 22381), (7, 22456), (11, 22522), (12, 22540), (14, 22582),

Gene: RhynO_30 Start: 22200, Stop: 22598, Start Num: 1
Candidate Starts for RhynO_30:
(Start: 1 @22200 has 16 MA's), (2, 22251), (7, 22440), (8, 22455), (11, 22506), (12, 22524), (14, 22566), (15, 22575),

Gene: Severus_28 Start: 20144, Stop: 20551, Start Num: 1
Candidate Starts for Severus_28:
(Start: 1 @20144 has 16 MA's), (7, 20393), (11, 20459), (14, 20519),

Gene: Topanga_29 Start: 22179, Stop: 22544, Start Num: 1
Candidate Starts for Topanga_29:
(Start: 1 @22179 has 16 MA's), (4, 22251), (7, 22386), (11, 22452), (12, 22470), (14, 22512), (15, 22521),

Gene: Trike_27 Start: 20152, Stop: 20559, Start Num: 1
Candidate Starts for Trike_27:
(Start: 1 @20152 has 16 MA's), (3, 20239), (7, 20401), (11, 20467), (13, 20503), (14, 20527),

Gene: Twister_29 Start: 22076, Stop: 22450, Start Num: 1
Candidate Starts for Twister_29:
(Start: 1 @22076 has 16 MA's), (4, 22148), (6, 22214), (7, 22289), (11, 22355), (12, 22373), (14, 22415),

Gene: WalterMcMickey_29 Start: 22076, Stop: 22450, Start Num: 1
Candidate Starts for WalterMcMickey_29:
(Start: 1 @22076 has 16 MA's), (4, 22148), (6, 22214), (7, 22289), (11, 22355), (12, 22373), (14, 22415),