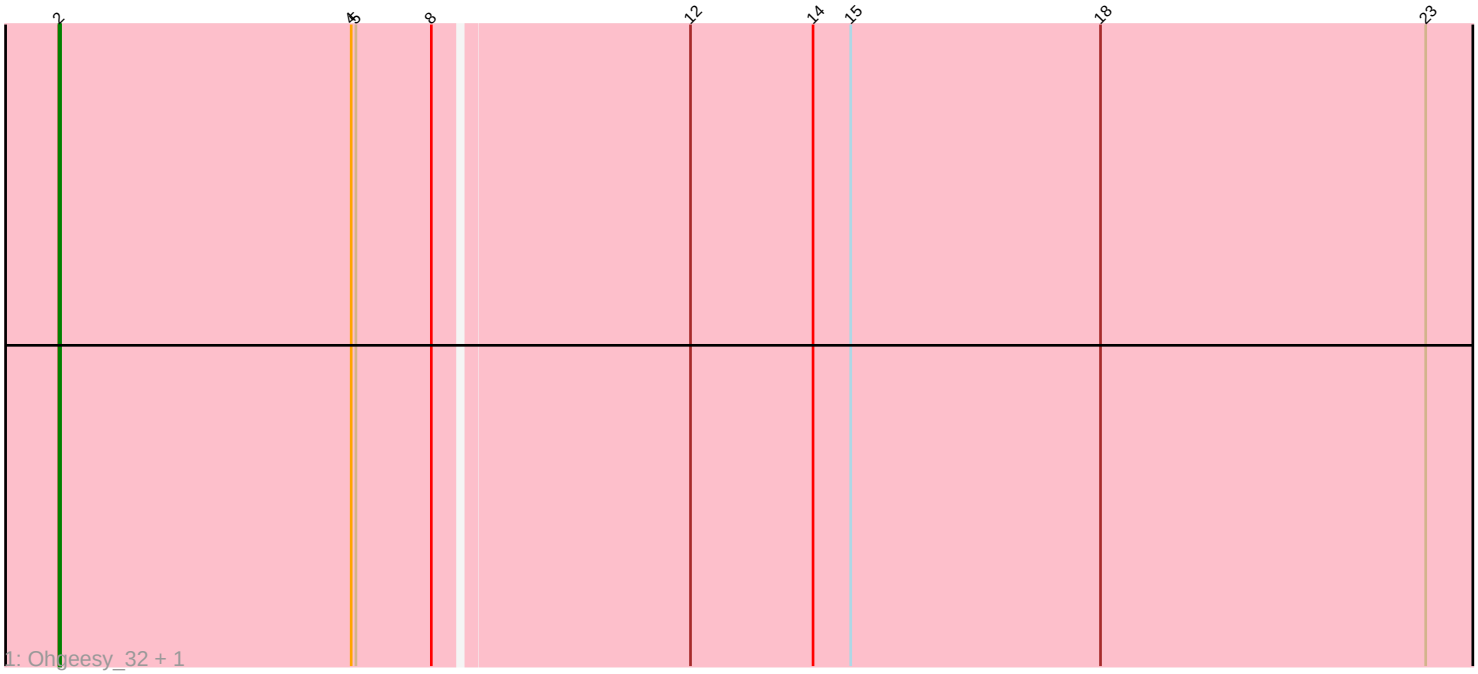
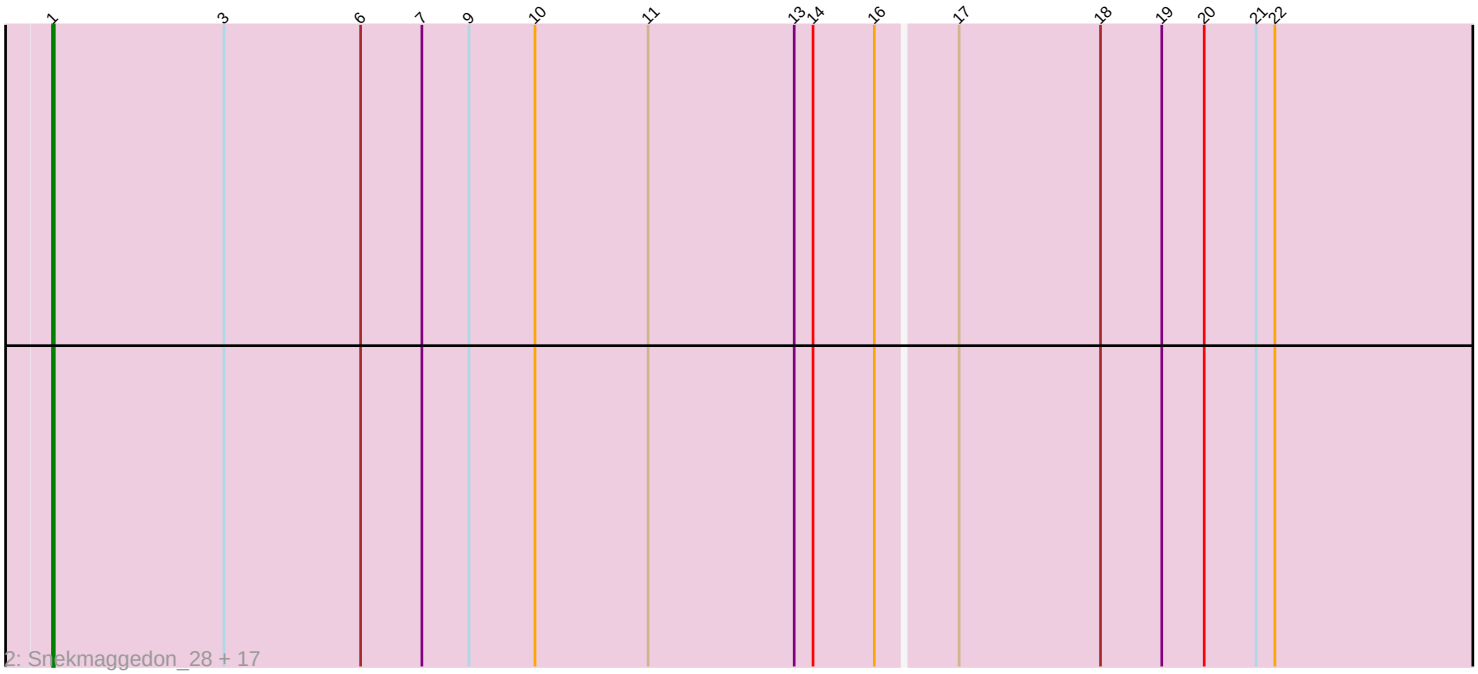
Pham 86681


2
4
5
8
12
14
15
18
23
1: Ohgeesy_32 + 1


1
3
6
7
9
10
11
13
14
16
17
18
19
20
21
22
2: Smekmaggedon_28 + 17

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 86681 Report

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

Pham number 86681 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ohgeesy_32, BaxterFox_31
• Track 2 : Snekmaggedon_28, Xerxes_31, MichelleMyBell_29, Andies_28, Jamie19_28, Rebel_28, Magsby_31, Duplicity_31, Carcharodon_31, Chewbacca_31, Gex_31, SpongeBob_28, Smurph_31, Shweta_28, Silvafighter_31, Schnauzer_31, Phloss_28, Parmesanjohn_31

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 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andies_28, Carcharodon_31, Chewbacca_31, Duplicity_31, Gex_31, Jamie19_28, Magsby_31, MichelleMyBell_29, Parmesanjohn_31, Phloss_28, Rebel_28, Schnauzer_31, Shweta_28, Silvafighter_31, Smurph_31, Snekmaggedon_28, SpongeBob_28, Xerxes_31,

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

Genes that do not have the "Most Annotated" start:
• BaxterFox_31, Ohgeesy_32,

Summary by start number:

Start 1:
• Found in 18 of 20 (90.0%) of genes in pham
• Manual Annotations of this start: 18 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andies_28 (N), Carcharodon_31 (N), Chewbacca_31 (N), Duplicity_31 (N), Gex_31 (N), Jamie19_28 (N), Magsby_31 (N), MichelleMyBell_29 (N), Parmesanjohn_31 (N), Phloss_28 (N), Rebel_28 (N), Schnauzer_31 (N), Shweta_28 (N), Silvafighter_31 (N), Smurph_31 (N), Snekmaggedon_28 (N), SpongeBob_28 (N), Xerxes_31 (N),

Start 2:
• Found in 2 of 20 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BaxterFox_31 (CZ3), Ohgeesy_32 (CZ),

Summary by clusters:

There are 3 clusters represented in this pham: CZ3, CZ, N,

Info for manual annotations of cluster CZ:
•Start number 2 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ3:
•Start number 2 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster N:
•Start number 1 was manually annotated 18 times for cluster N.

Gene Information:

Gene: Andies_28 Start: 24562, Stop: 25494, Start Num: 1
Candidate Starts for Andies_28:
(Start: 1 @24562 has 18 MA's), (3, 24670), (6, 24757), (7, 24796), (9, 24826), (10, 24868), (11, 24940), (13, 25033), (14, 25045), (16, 25084), (17, 25132), (18, 25222), (19, 25261), (20, 25288), (21, 25321), (22, 25333),

Gene: BaxterFox_31 Start: 27557, Stop: 28459, Start Num: 2
Candidate Starts for BaxterFox_31:
(Start: 2 @27557 has 2 MA's), (4, 27743), (5, 27746), (8, 27794), (12, 27950), (14, 28028), (15, 28052), (18, 28211), (23, 28418),

Gene: Carcharodon_31 Start: 25394, Stop: 26326, Start Num: 1
Candidate Starts for Carcharodon_31:
(Start: 1 @25394 has 18 MA's), (3, 25502), (6, 25589), (7, 25628), (9, 25658), (10, 25700), (11, 25772), (13, 25865), (14, 25877), (16, 25916), (17, 25964), (18, 26054), (19, 26093), (20, 26120), (21, 26153), (22, 26165),

Gene: Chewbacca_31 Start: 25394, Stop: 26326, Start Num: 1
Candidate Starts for Chewbacca_31:
(Start: 1 @25394 has 18 MA's), (3, 25502), (6, 25589), (7, 25628), (9, 25658), (10, 25700), (11, 25772), (13, 25865), (14, 25877), (16, 25916), (17, 25964), (18, 26054), (19, 26093), (20, 26120), (21, 26153), (22, 26165),

Gene: Duplicity_31 Start: 25383, Stop: 26315, Start Num: 1
Candidate Starts for Duplicity_31:
(Start: 1 @25383 has 18 MA's), (3, 25491), (6, 25578), (7, 25617), (9, 25647), (10, 25689), (11, 25761), (13, 25854), (14, 25866), (16, 25905), (17, 25953), (18, 26043), (19, 26082), (20, 26109), (21, 26142), (22, 26154),

Gene: Gex_31 Start: 25390, Stop: 26322, Start Num: 1
Candidate Starts for Gex_31:
(Start: 1 @25390 has 18 MA's), (3, 25498), (6, 25585), (7, 25624), (9, 25654), (10, 25696), (11, 25768), (13, 25861), (14, 25873), (16, 25912), (17, 25960), (18, 26050), (19, 26089), (20, 26116), (21, 26149), (22, 26161),

Gene: Jamie19_28 Start: 24444, Stop: 25376, Start Num: 1
Candidate Starts for Jamie19_28:
(Start: 1 @24444 has 18 MA's), (3, 24552), (6, 24639), (7, 24678), (9, 24708), (10, 24750), (11, 24822), (13, 24915), (14, 24927), (16, 24966), (17, 25014), (18, 25104), (19, 25143), (20, 25170), (21, 25203), (22, 25215),

Gene: Magsby_31 Start: 25391, Stop: 26323, Start Num: 1
Candidate Starts for Magsby_31:
(Start: 1 @25391 has 18 MA's), (3, 25499), (6, 25586), (7, 25625), (9, 25655), (10, 25697), (11, 25769), (13, 25862), (14, 25874), (16, 25913), (17, 25961), (18, 26051), (19, 26090), (20, 26117), (21, 26150), (22, 26162),

Gene: MichelleMyBell_29 Start: 24382, Stop: 25314, Start Num: 1
Candidate Starts for MichelleMyBell_29:
(Start: 1 @24382 has 18 MA's), (3, 24490), (6, 24577), (7, 24616), (9, 24646), (10, 24688), (11, 24760), (13, 24853), (14, 24865), (16, 24904), (17, 24952), (18, 25042), (19, 25081), (20, 25108), (21, 25141), (22, 25153),

Gene: Ohgeesy_32 Start: 28514, Stop: 29416, Start Num: 2
Candidate Starts for Ohgeesy_32:
(Start: 2 @28514 has 2 MA's), (4, 28700), (5, 28703), (8, 28751), (12, 28907), (14, 28985), (15, 29009), (18, 29168), (23, 29375),

Gene: Parmesanjohn_31 Start: 25394, Stop: 26326, Start Num: 1
Candidate Starts for Parmesanjohn_31:
(Start: 1 @25394 has 18 MA's), (3, 25502), (6, 25589), (7, 25628), (9, 25658), (10, 25700), (11, 25772), (13, 25865), (14, 25877), (16, 25916), (17, 25964), (18, 26054), (19, 26093), (20, 26120), (21, 26153), (22, 26165),

Gene: Phloss_28 Start: 24821, Stop: 25753, Start Num: 1
Candidate Starts for Phloss_28:
(Start: 1 @24821 has 18 MA's), (3, 24929), (6, 25016), (7, 25055), (9, 25085), (10, 25127), (11, 25199), (13, 25292), (14, 25304), (16, 25343), (17, 25391), (18, 25481), (19, 25520), (20, 25547), (21, 25580), (22, 25592),

Gene: Rebel_28 Start: 24233, Stop: 25165, Start Num: 1
Candidate Starts for Rebel_28:
(Start: 1 @24233 has 18 MA's), (3, 24341), (6, 24428), (7, 24467), (9, 24497), (10, 24539), (11, 24611), (13, 24704), (14, 24716), (16, 24755), (17, 24803), (18, 24893), (19, 24932), (20, 24959), (21, 24992), (22, 25004),

Gene: Schnauzer_31 Start: 25394, Stop: 26326, Start Num: 1
Candidate Starts for Schnauzer_31:
(Start: 1 @25394 has 18 MA's), (3, 25502), (6, 25589), (7, 25628), (9, 25658), (10, 25700), (11, 25772), (13, 25865), (14, 25877), (16, 25916), (17, 25964), (18, 26054), (19, 26093), (20, 26120), (21, 26153), (22, 26165),

Gene: Shweta_28 Start: 24572, Stop: 25504, Start Num: 1
Candidate Starts for Shweta_28:
(Start: 1 @24572 has 18 MA's), (3, 24680), (6, 24767), (7, 24806), (9, 24836), (10, 24878), (11, 24950), (13, 25043), (14, 25055), (16, 25094), (17, 25142), (18, 25232), (19, 25271), (20, 25298), (21, 25331), (22, 25343),

Gene: Silvafighter_31 Start: 25387, Stop: 26319, Start Num: 1
Candidate Starts for Silvafighter_31:
(Start: 1 @25387 has 18 MA's), (3, 25495), (6, 25582), (7, 25621), (9, 25651), (10, 25693), (11, 25765), (13, 25858), (14, 25870), (16, 25909), (17, 25957), (18, 26047), (19, 26086), (20, 26113), (21, 26146), (22, 26158),

Gene: Smurph_31 Start: 25394, Stop: 26326, Start Num: 1
Candidate Starts for Smurph_31:
(Start: 1 @25394 has 18 MA's), (3, 25502), (6, 25589), (7, 25628), (9, 25658), (10, 25700), (11, 25772), (13, 25865), (14, 25877), (16, 25916), (17, 25964), (18, 26054), (19, 26093), (20, 26120), (21, 26153), (22, 26165),

Gene: Snekmaggedon_28 Start: 24444, Stop: 25376, Start Num: 1
Candidate Starts for Snekmaggedon_28:
(Start: 1 @24444 has 18 MA's), (3, 24552), (6, 24639), (7, 24678), (9, 24708), (10, 24750), (11, 24822), (13, 24915), (14, 24927), (16, 24966), (17, 25014), (18, 25104), (19, 25143), (20, 25170), (21, 25203), (22, 25215),

Gene: SpongeBob_28 Start: 24444, Stop: 25376, Start Num: 1
Candidate Starts for SpongeBob_28:
(Start: 1 @24444 has 18 MA's), (3, 24552), (6, 24639), (7, 24678), (9, 24708), (10, 24750), (11, 24822), (13, 24915), (14, 24927), (16, 24966), (17, 25014), (18, 25104), (19, 25143), (20, 25170), (21, 25203), (22, 25215),

Gene: Xerxes_31 Start: 25391, Stop: 26323, Start Num: 1
Candidate Starts for Xerxes_31:
(Start: 1 @25391 has 18 MA's), (3, 25499), (6, 25586), (7, 25625), (9, 25655), (10, 25697), (11, 25769), (13, 25862), (14, 25874), (16, 25913), (17, 25961), (18, 26051), (19, 26090), (20, 26117), (21, 26150), (22, 26162),