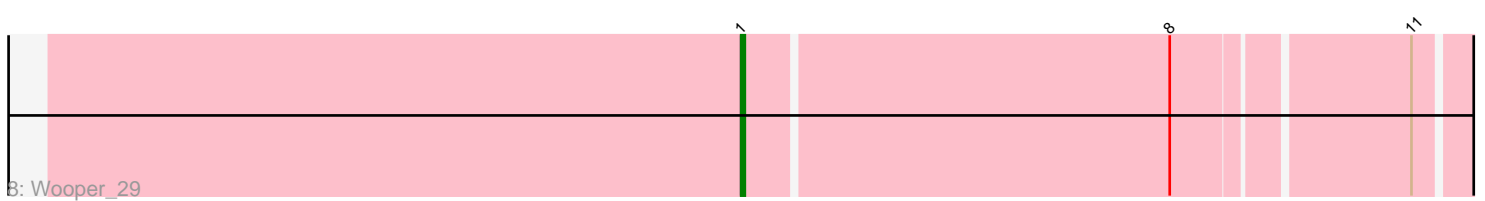
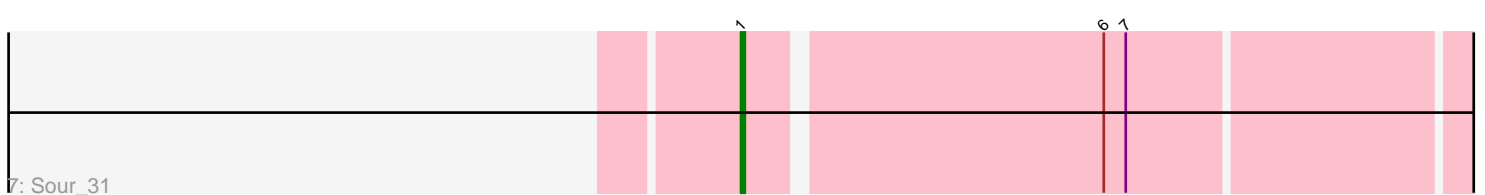
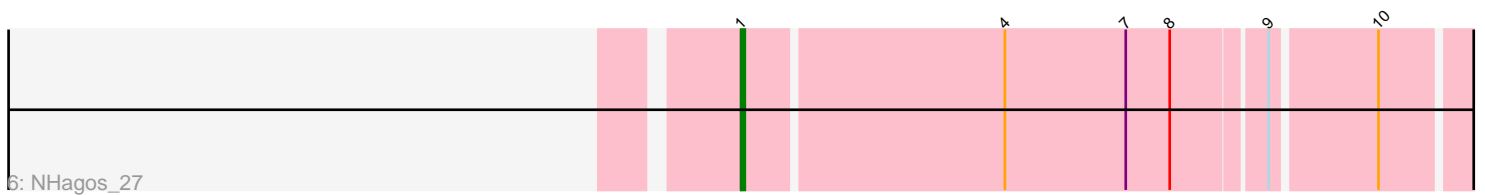
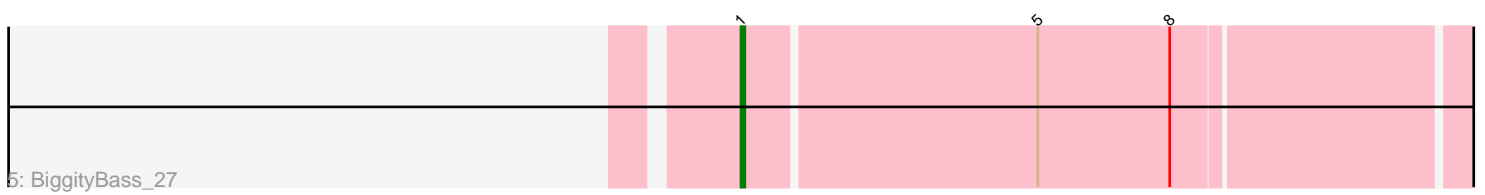
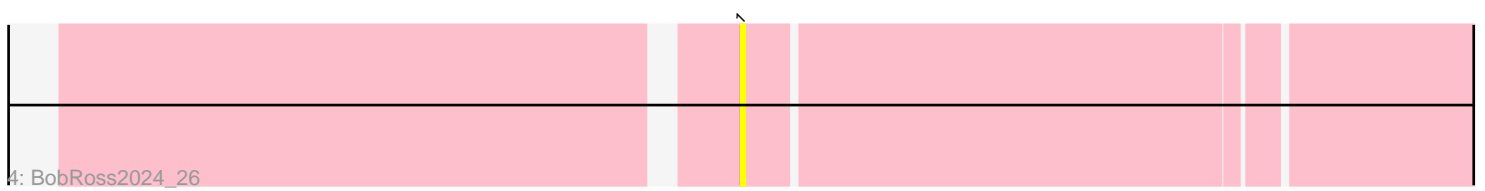
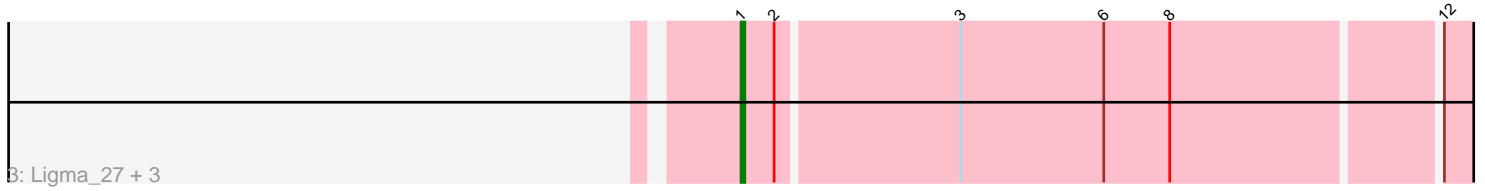
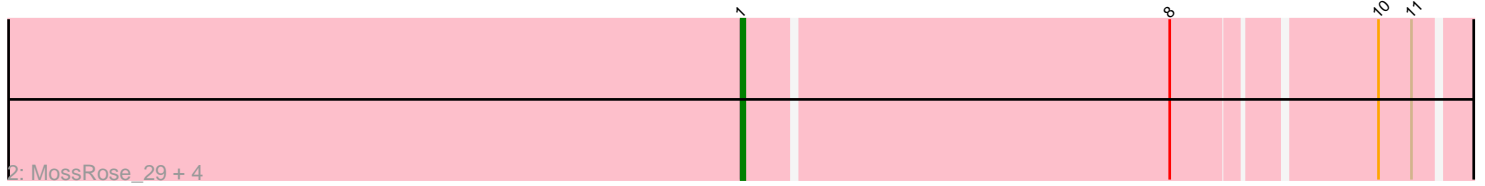
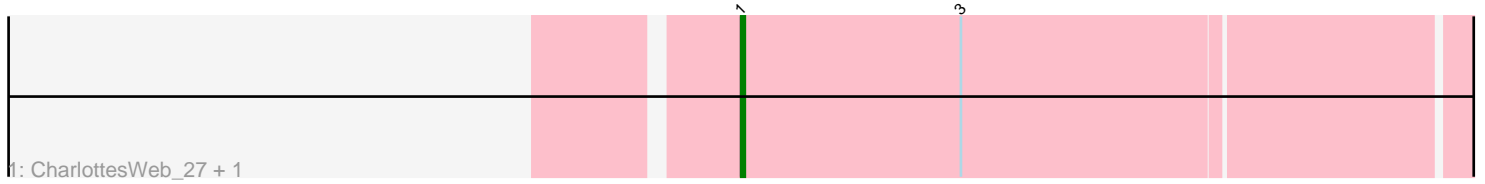


Zoomed Pham 194413



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 194413 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194413 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : CharlottesWeb_27, Mariokart_27
- Track 2 : MossRose_29, CloverMinnie_29, MakoManhole_29, AnarQue_29, CaiB_29
- Track 3 : Ligma_27, Fresco_27, Shatter_27, Axumite_27
- Track 4 : BobRoss2024_26
- Track 5 : BiggityBass_27
- Track 6 : NHagos_27
- Track 7 : Sour_31
- Track 8 : Wooper_29

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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AnarQue_29, Axumite_27, BiggityBass_27, BobRoss2024_26, CaiB_29, CharlottesWeb_27, CloverMinnie_29, Fresco_27, Ligma_27, MakoManhole_29, Mariokart_27, MossRose_29, NHagos_27, Shatter_27, Sour_31, Wooper_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 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AnarQue_29 (DR), Axumite_27 (DR), BiggityBass_27 (DR), BobRoss2024_26 (DR), CaiB_29 (DR), CharlottesWeb_27

(DR), CloverMinnie_29 (DR), Fresco_27 (DR), Ligma_27 (DR), MakoManhole_29 (DR), Mariokart_27 (DR), MossRose_29 (DR), NHagos_27 (DR), Shatter_27 (DR), Sour_31 (DR), Wooper_29 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:

•Start number 1 was manually annotated 14 times for cluster DR.

Gene Information:

Gene: AnarQue_29 Start: 28071, Stop: 29183, Start Num: 1

Candidate Starts for AnarQue_29:

(Start: 1 @28071 has 14 MA's), (8, 28185), (10, 28236), (11, 28245), (13, 28260), (14, 28275), (17, 28341), (21, 28455), (22, 28476), (24, 28527), (28, 28566), (30, 28590), (34, 28650), (43, 28752), (46, 28788), (47, 28803), (53, 28914), (55, 28932), (59, 28968),

Gene: Axumite_27 Start: 26078, Stop: 27217, Start Num: 1

Candidate Starts for Axumite_27:

(Start: 1 @26078 has 14 MA's), (2, 26087), (3, 26135), (6, 26174), (8, 26192), (12, 26261), (15, 26330), (16, 26339), (21, 26465), (24, 26537), (26, 26564), (27, 26567), (31, 26639), (35, 26693), (36, 26756), (41, 26783), (43, 26789), (47, 26840), (51, 26930), (64, 27143), (67, 27200), (68, 27206), (69, 27209),

Gene: BiggityBass_27 Start: 28347, Stop: 29480, Start Num: 1

Candidate Starts for BiggityBass_27:

(Start: 1 @28347 has 14 MA's), (5, 28425), (8, 28461), (24, 28797), (25, 28809), (29, 28851), (35, 28959), (46, 29091), (47, 29106), (50, 29151), (56, 29250), (58, 29259), (67, 29466), (68, 29472),

Gene: BobRoss2024_26 Start: 26114, Stop: 27235, Start Num: 1

Candidate Starts for BobRoss2024_26:

(Start: 1 @26114 has 14 MA's), (14, 26321), (19, 26450), (20, 26480), (23, 26540), (24, 26573), (30, 26636), (37, 26768), (40, 26789), (54, 26966), (59, 27017), (60, 27035),

Gene: CaiB_29 Start: 28057, Stop: 29169, Start Num: 1

Candidate Starts for CaiB_29:

(Start: 1 @28057 has 14 MA's), (8, 28171), (10, 28222), (11, 28231), (13, 28246), (14, 28261), (17, 28327), (21, 28441), (22, 28462), (24, 28513), (28, 28552), (30, 28576), (34, 28636), (43, 28738), (46, 28774), (47, 28789), (53, 28900), (55, 28918), (59, 28954),

Gene: CharlottesWeb_27 Start: 26001, Stop: 27152, Start Num: 1

Candidate Starts for CharlottesWeb_27:

(Start: 1 @26001 has 14 MA's), (3, 26061), (14, 26211), (15, 26256), (16, 26265), (17, 26277), (18, 26286), (21, 26391), (24, 26463), (33, 26610), (36, 26694), (37, 26697), (39, 26715), (41, 26721), (43, 26727), (45, 26754), (46, 26763), (47, 26778), (56, 26922), (57, 26925), (58, 26931), (64, 27081), (67, 27138), (68, 27144),

Gene: CloverMinnie_29 Start: 27997, Stop: 29109, Start Num: 1

Candidate Starts for CloverMinnie_29:

(Start: 1 @27997 has 14 MA's), (8, 28111), (10, 28162), (11, 28171), (13, 28186), (14, 28201), (17, 28267), (21, 28381), (22, 28402), (24, 28453), (28, 28492), (30, 28516), (34, 28576), (43, 28678), (46, 28714), (47, 28729), (53, 28840), (55, 28858), (59, 28894),

Gene: Fresco_27 Start: 26078, Stop: 27217, Start Num: 1

Candidate Starts for Fresco_27:

(Start: 1 @26078 has 14 MA's), (2, 26087), (3, 26135), (6, 26174), (8, 26192), (12, 26261), (15, 26330), (16, 26339), (21, 26465), (24, 26537), (26, 26564), (27, 26567), (31, 26639), (35, 26693), (36, 26756), (41, 26783), (43, 26789), (47, 26840), (51, 26930), (64, 27143), (67, 27200), (68, 27206), (69, 27209),

Gene: Ligma_27 Start: 26078, Stop: 27217, Start Num: 1

Candidate Starts for Ligma_27:

(Start: 1 @26078 has 14 MA's), (2, 26087), (3, 26135), (6, 26174), (8, 26192), (12, 26261), (15, 26330), (16, 26339), (21, 26465), (24, 26537), (26, 26564), (27, 26567), (31, 26639), (35, 26693), (36, 26756), (41, 26783), (43, 26789), (47, 26840), (51, 26930), (64, 27143), (67, 27200), (68, 27206), (69, 27209),

Gene: MakoManhole_29 Start: 28075, Stop: 29187, Start Num: 1

Candidate Starts for MakoManhole_29:

(Start: 1 @28075 has 14 MA's), (8, 28189), (10, 28240), (11, 28249), (13, 28264), (14, 28279), (17, 28345), (21, 28459), (22, 28480), (24, 28531), (28, 28570), (30, 28594), (34, 28654), (43, 28756), (46, 28792), (47, 28807), (53, 28918), (55, 28936), (59, 28972),

Gene: Mariokart_27 Start: 26000, Stop: 27151, Start Num: 1

Candidate Starts for Mariokart_27:

(Start: 1 @26000 has 14 MA's), (3, 26060), (14, 26210), (15, 26255), (16, 26264), (17, 26276), (18, 26285), (21, 26390), (24, 26462), (33, 26609), (36, 26693), (37, 26696), (39, 26714), (41, 26720), (43, 26726), (45, 26753), (46, 26762), (47, 26777), (56, 26921), (57, 26924), (58, 26930), (64, 27080), (67, 27137), (68, 27143),

Gene: MossRose_29 Start: 28054, Stop: 29166, Start Num: 1

Candidate Starts for MossRose_29:

(Start: 1 @28054 has 14 MA's), (8, 28168), (10, 28219), (11, 28228), (13, 28243), (14, 28258), (17, 28324), (21, 28438), (22, 28459), (24, 28510), (28, 28549), (30, 28573), (34, 28633), (43, 28735), (46, 28771), (47, 28786), (53, 28897), (55, 28915), (59, 28951),

Gene: NHagos_27 Start: 26589, Stop: 27701, Start Num: 1

Candidate Starts for NHagos_27:

(Start: 1 @26589 has 14 MA's), (4, 26658), (7, 26691), (8, 26703), (9, 26727), (10, 26754), (13, 26778), (14, 26793), (17, 26859), (21, 26973), (23, 27012), (30, 27111), (34, 27171), (38, 27246), (42, 27270), (43, 27273), (46, 27309), (47, 27324), (49, 27336), (50, 27369), (53, 27435), (59, 27489), (67, 27687),

Gene: Shatter_27 Start: 26078, Stop: 27217, Start Num: 1

Candidate Starts for Shatter_27:

(Start: 1 @26078 has 14 MA's), (2, 26087), (3, 26135), (6, 26174), (8, 26192), (12, 26261), (15, 26330), (16, 26339), (21, 26465), (24, 26537), (26, 26564), (27, 26567), (31, 26639), (35, 26693), (36, 26756), (41, 26783), (43, 26789), (47, 26840), (51, 26930), (64, 27143), (67, 27200), (68, 27206), (69, 27209),

Gene: Sour_31 Start: 30307, Stop: 31437, Start Num: 1

Candidate Starts for Sour_31:

(Start: 1 @30307 has 14 MA's), (6, 30400), (7, 30406), (13, 30496), (14, 30511), (18, 30577), (24, 30754), (32, 30850), (38, 30967), (40, 30985), (47, 31048), (52, 31150), (54, 31162), (55, 31177), (56, 31195), (62, 31276), (64, 31354), (66, 31405), (67, 31411),

Gene: Wooper_29 Start: 28066, Stop: 29163, Start Num: 1

Candidate Starts for Wooper_29:

(Start: 1 @28066 has 14 MA's), (8, 28180), (11, 28240), (13, 28255), (14, 28270), (21, 28450), (23, 28489), (24, 28522), (30, 28579), (33, 28627), (34, 28639), (42, 28732), (43, 28735), (44, 28744), (46, 28771), (47, 28786), (48, 28792), (53, 28891), (54, 28897), (59, 28948), (61, 28969), (63, 29014), (65, 29134),