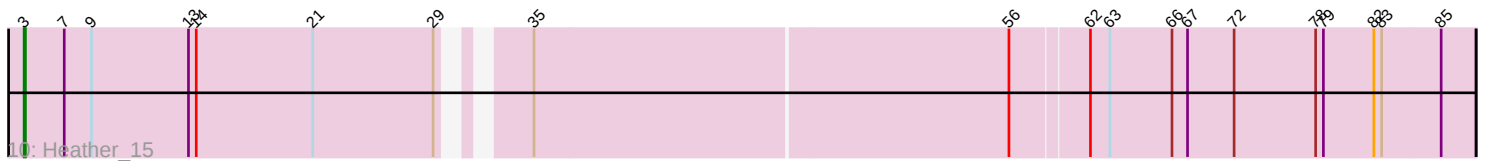
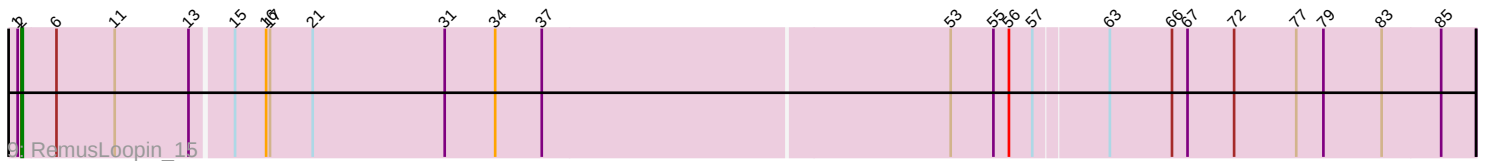
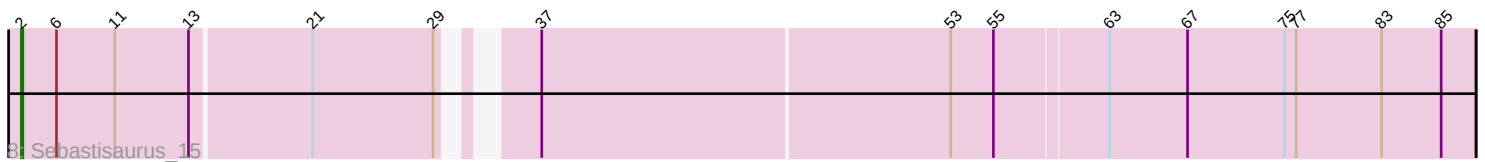
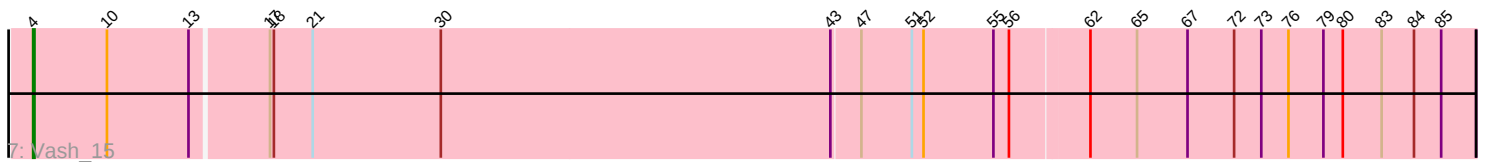
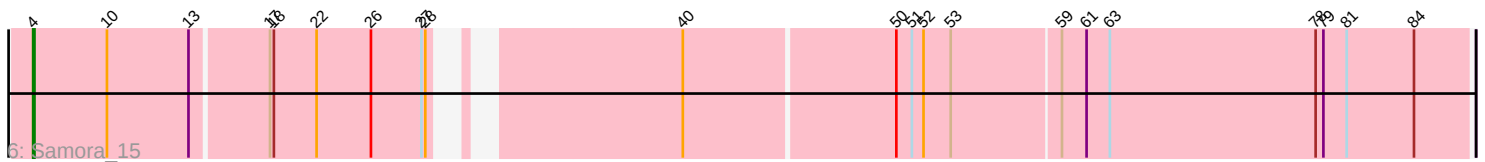
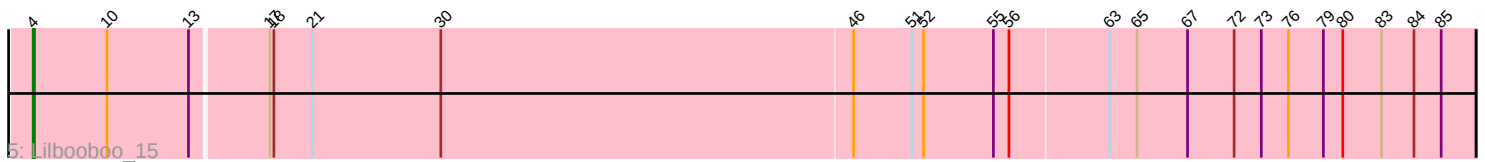
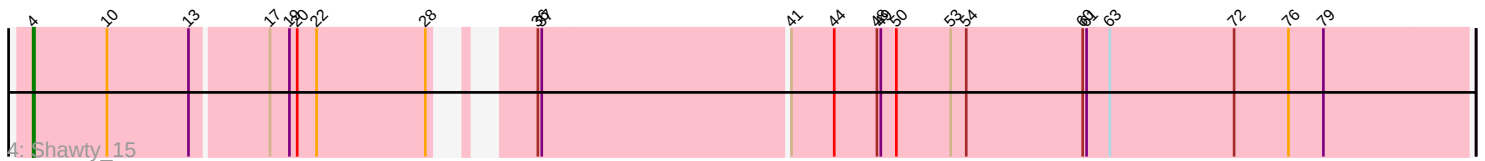
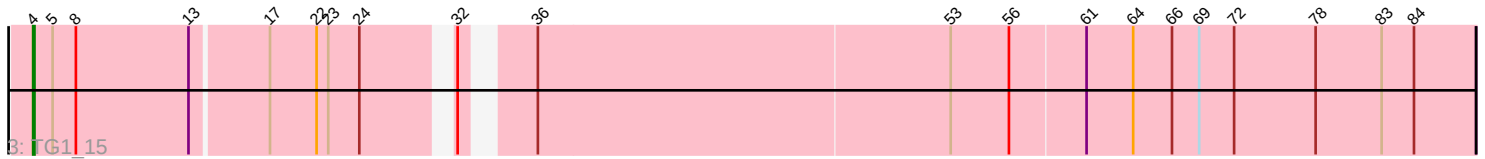
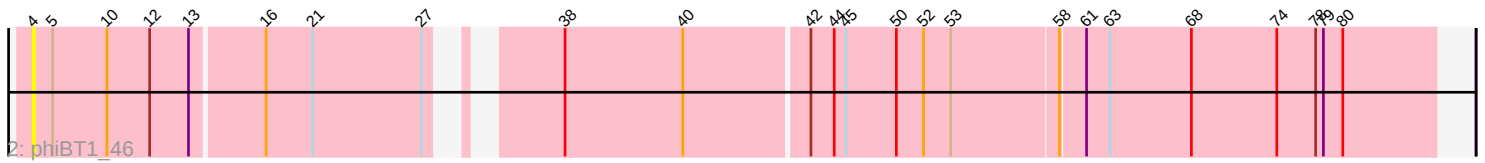
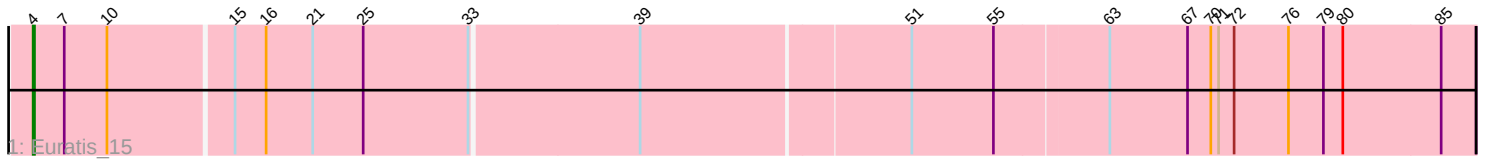


Pham 234765



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 234765 Report

This analysis was run 02/07/26 on database version 634.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 234765 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Euratis_15
- Track 2 : phiBT1_46
- Track 3 : TG1_15
- Track 4 : Shawty_15
- Track 5 : Lilbooboo_15
- Track 6 : Samora_15
- Track 7 : Vash_15
- Track 8 : Sebastisaurus_15
- Track 9 : RemusLoopin_15
- Track 10 : Heather_15

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Euratis_15, Lilbooboo_15, Samora_15, Shawty_15, TG1_15, Vash_15, phiBT1_46,

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

-

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

- Heather_15, RemusLoopin_15, Sebastisaurus_15,

Summary by start number:

Start 2:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9

- Called 100.0% of time when present
- Phage (with cluster) where this start called: RemusLoopin_15 (BB2), Sebastisaurus_15 (BB2),

Start 3:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Heather_15 (BB2),

Start 4:

- Found in 7 of 10 (70.0%) of genes in pham
- Manual Annotations of this start: 6 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Euratis_15 (BB1), Lilbooboo_15 (BB1), Samora_15 (BB1), Shawty_15 (BB1), TG1_15 (BB1), Vash_15 (BB1), phiBT1_46 (BB1),

Summary by clusters:

There are 2 clusters represented in this pham: BB2, BB1,

Info for manual annotations of cluster BB1:

- Start number 4 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:

- Start number 2 was manually annotated 2 times for cluster BB2.
- Start number 3 was manually annotated 1 time for cluster BB2.

Gene Information:

Gene: Euratis_15 Start: 12352, Stop: 13437, Start Num: 4

Candidate Starts for Euratis_15:

(Start: 4 @12352 has 6 MA's), (7, 12376), (10, 12409), (15, 12502), (16, 12526), (21, 12562), (25, 12601), (33, 12682), (39, 12808), (51, 13009), (55, 13072), (63, 13156), (67, 13216), (70, 13234), (71, 13240), (72, 13252), (76, 13294), (79, 13321), (80, 13336), (85, 13411),

Gene: Heather_15 Start: 12317, Stop: 13387, Start Num: 3

Candidate Starts for Heather_15:

(Start: 3 @12317 has 1 MA's), (7, 12347), (9, 12368), (13, 12443), (14, 12449), (21, 12539), (29, 12632), (35, 12674), (56, 13034), (62, 13091), (63, 13106), (66, 13154), (67, 13166), (72, 13202), (78, 13265), (79, 13271), (82, 13310), (83, 13316), (85, 13361),

Gene: Lilbooboo_15 Start: 12353, Stop: 13450, Start Num: 4

Candidate Starts for Lilbooboo_15:

(Start: 4 @12353 has 6 MA's), (10, 12410), (13, 12473), (17, 12530), (18, 12533), (21, 12563), (30, 12662), (46, 12977), (51, 13022), (52, 13031), (55, 13085), (56, 13097), (63, 13169), (65, 13190), (67, 13229), (72, 13265), (73, 13286), (76, 13307), (79, 13334), (80, 13349), (83, 13379), (84, 13403), (85, 13424),

Gene: RemusLoopin_15 Start: 12317, Stop: 13417, Start Num: 2

Candidate Starts for RemusLoopin_15:

(1, 12314), (Start: 2 @12317 has 2 MA's), (6, 12341), (11, 12386), (13, 12443), (15, 12473), (16, 12497), (17, 12500), (21, 12533), (31, 12635), (34, 12674), (37, 12710), (53, 13019), (55, 13052), (56, 13064), (57, 13082), (63, 13136), (66, 13184), (67, 13196), (72, 13232), (77, 13280), (79, 13301), (83, 13346), (85, 13391),

Gene: Samora_15 Start: 12384, Stop: 13424, Start Num: 4

Candidate Starts for Samora_15:

(Start: 4 @12384 has 6 MA's), (10, 12441), (13, 12504), (17, 12561), (18, 12564), (22, 12597), (26, 12639), (27, 12678), (28, 12681), (40, 12831), (50, 12990), (51, 13002), (52, 13011), (53, 13032), (59, 13113), (61, 13131), (63, 13149), (78, 13308), (79, 13314), (81, 13332), (84, 13383),

Gene: Sebastisaurus_15 Start: 12349, Stop: 13407, Start Num: 2

Candidate Starts for Sebastisaurus_15:

(Start: 2 @12349 has 2 MA's), (6, 12373), (11, 12418), (13, 12475), (21, 12565), (29, 12658), (37, 12700), (53, 13009), (55, 13042), (63, 13126), (67, 13186), (75, 13261), (77, 13270), (83, 13336), (85, 13381),

Gene: Shawty_15 Start: 12323, Stop: 13369, Start Num: 4

Candidate Starts for Shawty_15:

(Start: 4 @12323 has 6 MA's), (10, 12380), (13, 12443), (17, 12500), (19, 12515), (20, 12521), (22, 12536), (28, 12620), (36, 12659), (37, 12662), (41, 12848), (44, 12881), (48, 12914), (49, 12917), (50, 12929), (53, 12971), (54, 12983), (60, 13073), (61, 13076), (63, 13094), (72, 13190), (76, 13232), (79, 13259),

Gene: TG1_15 Start: 12342, Stop: 13400, Start Num: 4

Candidate Starts for TG1_15:

(Start: 4 @12342 has 6 MA's), (5, 12357), (8, 12375), (13, 12462), (17, 12519), (22, 12555), (23, 12564), (24, 12588), (32, 12645), (36, 12684), (53, 12999), (56, 13044), (61, 13101), (64, 13137), (66, 13167), (69, 13188), (72, 13215), (78, 13278), (83, 13329), (84, 13353),

Gene: Vash_15 Start: 12359, Stop: 13456, Start Num: 4

Candidate Starts for Vash_15:

(Start: 4 @12359 has 6 MA's), (10, 12416), (13, 12479), (17, 12536), (18, 12539), (21, 12569), (30, 12668), (43, 12968), (47, 12989), (51, 13028), (52, 13037), (55, 13091), (56, 13103), (62, 13160), (65, 13196), (67, 13235), (72, 13271), (73, 13292), (76, 13313), (79, 13340), (80, 13355), (83, 13385), (84, 13409), (85, 13430),

Gene: phiBT1_46 Start: 12374, Stop: 13390, Start Num: 4

Candidate Starts for phiBT1_46:

(Start: 4 @12374 has 6 MA's), (5, 12389), (10, 12431), (12, 12464), (13, 12494), (16, 12548), (21, 12584), (27, 12668), (38, 12731), (40, 12821), (42, 12914), (44, 12932), (45, 12941), (50, 12980), (52, 13001), (53, 13022), (58, 13103), (61, 13121), (63, 13139), (68, 13202), (74, 13268), (78, 13298), (79, 13304), (80, 13319),