Pham 291734

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 291734 Report

This analysis was run 03/28/26 on database version 641.

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 291734 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : phiBT1_44
• Track 2 : Euratis_13
• Track 3 : Shawty_13
• Track 4 : TG1_13
• Track 5 : Samora_13
• Track 6 : Vash_13
• Track 7 : Lilbooboo_13
• Track 8 : RemusLoopin_13
• Track 9 : Sebastisaurus_13
• Track 10 : Heather_13

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

The start number called the most often in the published annotations is 3, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Euratis_13, Heather_13, Lilbooboo_13, RemusLoopin_13, Samora_13, Sebastisaurus_13, Shawty_13, TG1_13, Vash_13, phiBT1_44,

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 3:
• Found in 10 of 10 (100.0%) of genes in pham

• Manual Annotations of this start: 9 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Euratis_13 (BB1), Heather_13 (BB2), Lilbooboo_13 (BB1), RemusLoopin_13 (BB2), Samora_13 (BB1), Sebastisaurus_13 (BB2), Shawty_13 (BB1), TG1_13 (BB1), Vash_13 (BB1), phiBT1_44 (BB1),

Summary by clusters:

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

Info for manual annotations of cluster BB1:
•Start number 3 was manually annotated 6 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 3 was manually annotated 3 times for cluster BB2.

Gene Information:

Gene: Euratis_13 Start: 10457, Stop: 11323, Start Num: 3
Candidate Starts for Euratis_13:
(Start: 3 @10457 has 9 MA's), (6, 10499), (7, 10502), (9, 10538), (16, 10625), (22, 10718), (26, 10790), (30, 10853), (32, 10865), (34, 10889), (38, 10916), (48, 11087), (52, 11123), (53, 11141), (59, 11192), (63, 11252), (64, 11294),

Gene: Heather_13 Start: 10445, Stop: 11311, Start Num: 3
Candidate Starts for Heather_13:
(Start: 3 @10445 has 9 MA's), (4, 10454), (7, 10490), (11, 10538), (14, 10577), (16, 10613), (20, 10685), (21, 10691), (22, 10706), (24, 10751), (26, 10778), (28, 10829), (29, 10832), (30, 10841), (36, 10898), (38, 10904), (43, 10958), (46, 11030), (47, 11063), (51, 11090), (56, 11156), (61, 11198),

Gene: Lilbooboo_13 Start: 10470, Stop: 11336, Start Num: 3
Candidate Starts for Lilbooboo_13:
(Start: 3 @10470 has 9 MA's), (4, 10479), (7, 10515), (11, 10563), (14, 10602), (19, 10671), (26, 10803), (30, 10866), (38, 10929), (62, 11232), (63, 11265),

Gene: RemusLoopin_13 Start: 10423, Stop: 11289, Start Num: 3
Candidate Starts for RemusLoopin_13:
(Start: 3 @10423 has 9 MA's), (7, 10468), (10, 10513), (13, 10546), (14, 10555), (15, 10570), (16, 10591), (17, 10606), (18, 10612), (20, 10663), (22, 10684), (24, 10729), (26, 10756), (28, 10807), (29, 10810), (33, 10852), (37, 10879), (40, 10909), (43, 10936), (44, 10948), (49, 11056), (55, 11128), (56, 11134), (60, 11170), (61, 11176), (62, 11185),

Gene: Samora_13 Start: 10501, Stop: 11367, Start Num: 3
Candidate Starts for Samora_13:
(2, 10480), (Start: 3 @10501 has 9 MA's), (4, 10510), (7, 10546), (10, 10591), (22, 10762), (26, 10834), (30, 10897), (34, 10933), (36, 10954), (45, 11059), (50, 11137), (53, 11185), (55, 11206), (63, 11296),

Gene: Sebastisaurus_13 Start: 10449, Stop: 11315, Start Num: 3
Candidate Starts for Sebastisaurus_13:
(Start: 3 @10449 has 9 MA's), (4, 10458), (7, 10494), (14, 10581), (16, 10617), (17, 10632), (18, 10638), (20, 10689), (22, 10710), (24, 10755), (26, 10782), (28, 10833), (29, 10836), (33, 10878), (40,

10935), (44, 10974), (55, 11154), (56, 11160), (58, 11169), (61, 11202),

Gene: Shawty_13 Start: 10451, Stop: 11317, Start Num: 3
Candidate Starts for Shawty_13:
(Start: 3 @10451 has 9 MA's), (4, 10460), (7, 10496), (8, 10502), (12, 10559), (15, 10598), (16, 10619), (23, 10721), (25, 10781), (26, 10784), (30, 10847), (32, 10859), (34, 10883), (41, 10949), (51, 11096), (53, 11135), (54, 11141), (57, 11165), (59, 11186), (62, 11213), (63, 11246),

Gene: TG1_13 Start: 10453, Stop: 11319, Start Num: 3
Candidate Starts for TG1_13:
(1, 10393), (Start: 3 @10453 has 9 MA's), (5, 10492), (10, 10543), (12, 10561), (15, 10600), (16, 10621), (25, 10783), (26, 10786), (30, 10849), (35, 10903), (38, 10912), (41, 10951), (42, 10963), (43, 10966), (52, 11119), (53, 11137), (55, 11158),

Gene: Vash_13 Start: 10476, Stop: 11342, Start Num: 3
Candidate Starts for Vash_13:
(2, 10455), (Start: 3 @10476 has 9 MA's), (4, 10485), (7, 10521), (11, 10569), (18, 10665), (19, 10677), (22, 10737), (26, 10809), (27, 10818), (30, 10872), (34, 10908), (38, 10935), (62, 11238), (63, 11271),

Gene: phiBT1_44 Start: 10499, Stop: 11365, Start Num: 3
Candidate Starts for phiBT1_44:
(Start: 3 @10499 has 9 MA's), (4, 10508), (5, 10538), (7, 10544), (11, 10592), (12, 10607), (16, 10667), (17, 10682), (19, 10700), (22, 10760), (25, 10829), (26, 10832), (30, 10895), (31, 10898), (34, 10931), (39, 10982), (43, 11012), (53, 11183), (63, 11294),