Pham 4703

4 5 6 7 8 13 20 22 24 25 26
1: GrootJr_8 + 2
7 8 11 12 13 15 19 24 25
2: Tracker_6
8 9 14 24 25
3: GTE8_87
7 8 11 12 13 19 24 25
4: Emianna_6 + 3
1 2 8 13 14 23 24 25
5: Ennea_10 + 1
2 8 10 12 13 16 17 18 20 24 25 27
6: Skysand_9 + 1
1 2 3 8 10 12 13 16 17 20 21 22 24 25 27
7: Patio_10

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 4703 Report

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

Pham number 4703 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GrootJr_8, Wheezy_6, Arti_6
• Track 2 : Tracker_6
• Track 3 : GTE8_87
• Track 4 : Emianna_6, Foxboro_6, Kurt_6, KidneyBean_6
• Track 5 : Ennea_10, Lollipop1437_9
• Track 6 : Skysand_9, Float294_9
• Track 7 : Patio_10

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

The start number called the most often in the published annotations is 8, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arti_6, Emianna_6, Ennea_10, Float294_9, Foxboro_6, GTE8_87, GrootJr_8, KidneyBean_6, Kurt_6, Lollipop1437_9, Patio_10, Skysand_9, Tracker_6, Wheezy_6,

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 8:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 13 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arti_6 (CR2), Emianna_6 (CR2), Ennea_10 (CR3), Float294_9 (CR3), Foxboro_6 (CR2), GTE8_87 (CR2), GrootJr_8 (CR2), KidneyBean_6 (CR2), Kurt_6 (CR2), Lollipop1437_9 (CR3), Patio_10 (CR3), Skysand_9 (CR3), Tracker_6 (CR2), Wheezy_6 (CR2),

Summary by clusters:

There are 2 clusters represented in this pham: CR2, CR3,

Info for manual annotations of cluster CR2:
•Start number 8 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 8 was manually annotated 5 times for cluster CR3.

Gene Information:

Gene: Arti_6 Start: 4787, Stop: 5143, Start Num: 8
Candidate Starts for Arti_6:
(4, 4598), (5, 4628), (6, 4697), (7, 4727), (Start: 8 @4787 has 13 MA's), (13, 4856), (20, 5003), (22, 5063), (24, 5075), (25, 5084), (26, 5093),

Gene: Emianna_6 Start: 4761, Stop: 5111, Start Num: 8
Candidate Starts for Emianna_6:
(7, 4701), (Start: 8 @4761 has 13 MA's), (11, 4815), (12, 4824), (13, 4830), (19, 4941), (24, 5043), (25, 5052),

Gene: Ennea_10 Start: 5732, Stop: 6088, Start Num: 8
Candidate Starts for Ennea_10:
(1, 5456), (2, 5489), (Start: 8 @5732 has 13 MA's), (13, 5801), (14, 5816), (23, 6011), (24, 6020), (25, 6029),

Gene: Float294_9 Start: 5552, Stop: 5908, Start Num: 8
Candidate Starts for Float294_9:
(2, 5309), (Start: 8 @5552 has 13 MA's), (10, 5594), (12, 5615), (13, 5621), (16, 5663), (17, 5690), (18, 5696), (20, 5768), (24, 5840), (25, 5849), (27, 5897),

Gene: Foxboro_6 Start: 4772, Stop: 5122, Start Num: 8
Candidate Starts for Foxboro_6:
(7, 4712), (Start: 8 @4772 has 13 MA's), (11, 4826), (12, 4835), (13, 4841), (19, 4952), (24, 5054), (25, 5063),

Gene: GTE8_87 Start: 64976, Stop: 65326, Start Num: 8
Candidate Starts for GTE8_87:
(Start: 8 @64976 has 13 MA's), (9, 65009), (14, 65060), (24, 65258), (25, 65267),

Gene: GrootJr_8 Start: 5182, Stop: 5538, Start Num: 8
Candidate Starts for GrootJr_8:
(4, 4993), (5, 5023), (6, 5092), (7, 5122), (Start: 8 @5182 has 13 MA's), (13, 5251), (20, 5398), (22, 5458), (24, 5470), (25, 5479), (26, 5488),

Gene: KidneyBean_6 Start: 4578, Stop: 4928, Start Num: 8
Candidate Starts for KidneyBean_6:
(7, 4518), (Start: 8 @4578 has 13 MA's), (11, 4632), (12, 4641), (13, 4647), (19, 4758), (24, 4860), (25, 4869),

Gene: Kurt_6 Start: 4761, Stop: 5111, Start Num: 8
Candidate Starts for Kurt_6:
(7, 4701), (Start: 8 @4761 has 13 MA's), (11, 4815), (12, 4824), (13, 4830), (19, 4941), (24, 5043), (25, 5052),

Gene: Lollipop1437_9 Start: 5720, Stop: 6076, Start Num: 8
Candidate Starts for Lollipop1437_9:
(1, 5444), (2, 5477), (Start: 8 @5720 has 13 MA's), (13, 5789), (14, 5804), (23, 5999), (24, 6008), (25, 6017),

Gene: Patio_10 Start: 6228, Stop: 6584, Start Num: 8
Candidate Starts for Patio_10:
(1, 5952), (2, 5985), (3, 6012), (Start: 8 @6228 has 13 MA's), (10, 6270), (12, 6291), (13, 6297), (16, 6339), (17, 6366), (20, 6444), (21, 6486), (22, 6504), (24, 6516), (25, 6525), (27, 6573),

Gene: Skysand_9 Start: 5554, Stop: 5910, Start Num: 8
Candidate Starts for Skysand_9:
(2, 5311), (Start: 8 @5554 has 13 MA's), (10, 5596), (12, 5617), (13, 5623), (16, 5665), (17, 5692), (18, 5698), (20, 5770), (24, 5842), (25, 5851), (27, 5899),

Gene: Tracker_6 Start: 4553, Stop: 4903, Start Num: 8
Candidate Starts for Tracker_6:
(7, 4493), (Start: 8 @4553 has 13 MA's), (11, 4607), (12, 4616), (13, 4622), (15, 4655), (19, 4733), (24, 4835), (25, 4844),

Gene: Wheezy_6 Start: 4799, Stop: 5155, Start Num: 8
Candidate Starts for Wheezy_6:
(4, 4610), (5, 4640), (6, 4709), (7, 4739), (Start: 8 @4799 has 13 MA's), (13, 4868), (20, 5015), (22, 5075), (24, 5087), (25, 5096), (26, 5105),