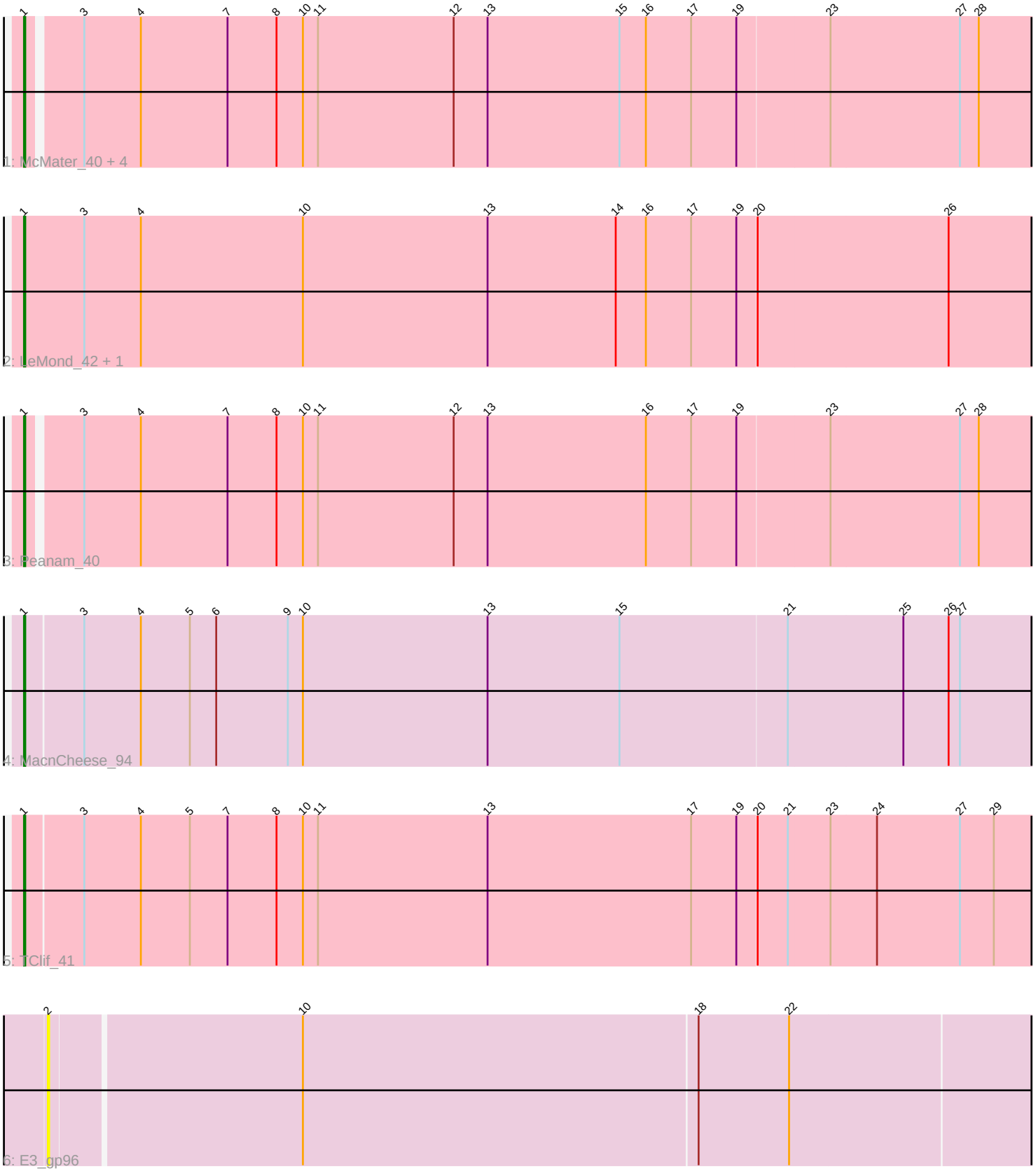
Pham 195883


1
3
4
7
8
10
11
12
13
15
16
17
19
23
27
28
1: McMater_40 + 4
1
3
4
10
13
14
16
17
19
20
26
2: LeMond_42 + 1
1
3
4
7
8
10
11
12
13
16
17
19
23
27
28
3: Peanam_40
1
3
4
5
6
9
10
13
15
21
25
26
27
4: MacnCheese_94
1
3
4
5
7
8
10
11
13
17
19
20
21
23
24
27
29
5: TClif_41
2
10
18
22
6: E3_gp96

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 195883 Report

This analysis was run 12/09/24 on database version 580.

Pham number 195883 has 11 members, 4 are drafts.

Phages represented in each track:
• Track 1 : McMater_40, Niklas_40, Richo_40, Shaobing_40, Dartin_40
• Track 2 : LeMond_42, KiSi_42
• Track 3 : Peanam_40
• Track 4 : MacnCheese_94
• Track 5 : TClif_41
• Track 6 : E3_gp96

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dartin_40, KiSi_42, LeMond_42, MacnCheese_94, McMater_40, Niklas_40, Peanam_40, Richo_40, Shaobing_40, TClif_41,

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

Genes that do not have the "Most Annotated" start:
• E3_gp96,

Summary by start number:

Start 1:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Dartin_40 (K1), KiSi_42 (K1), LeMond_42 (K1), MacnCheese_94 (K3), McMater_40 (K1), Niklas_40 (K1), Peanam_40 (K1), Richo_40 (K1), Shaobing_40 (K1), TClif_41 (K6),

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp96 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: K3, K1, singleton, K6,

Info for manual annotations of cluster K1:
•Start number 1 was manually annotated 5 times for cluster K1.

Info for manual annotations of cluster K3:
•Start number 1 was manually annotated 1 time for cluster K3.

Info for manual annotations of cluster K6:
•Start number 1 was manually annotated 1 time for cluster K6.

Gene Information:

Gene: Dartin_40 Start: 30486, Stop: 31310, Start Num: 1
Candidate Starts for Dartin_40:
(Start: 1 @30486 has 7 MA's), (3, 30525), (4, 30570), (7, 30639), (8, 30678), (10, 30699), (11, 30711), (12, 30819), (13, 30846), (15, 30951), (16, 30972), (17, 31008), (19, 31044), (23, 31116), (27, 31218), (28, 31233),

Gene: E3_gp96 Start: 54822, Stop: 55628, Start Num: 2
Candidate Starts for E3_gp96:
(2, 54822), (10, 55017), (18, 55329), (22, 55401),

Gene: KiSi_42 Start: 31153, Stop: 31986, Start Num: 1
Candidate Starts for KiSi_42:
(Start: 1 @31153 has 7 MA's), (3, 31201), (4, 31246), (10, 31375), (13, 31522), (14, 31624), (16, 31648), (17, 31684), (19, 31720), (20, 31735), (26, 31885),

Gene: LeMond_42 Start: 31224, Stop: 32057, Start Num: 1
Candidate Starts for LeMond_42:
(Start: 1 @31224 has 7 MA's), (3, 31272), (4, 31317), (10, 31446), (13, 31593), (14, 31695), (16, 31719), (17, 31755), (19, 31791), (20, 31806), (26, 31956),

Gene: MacnCheese_94 Start: 57896, Stop: 58729, Start Num: 1
Candidate Starts for MacnCheese_94:
(Start: 1 @57896 has 7 MA's), (3, 57941), (4, 57986), (5, 58025), (6, 58046), (9, 58103), (10, 58115), (13, 58262), (15, 58367), (21, 58499), (25, 58589), (26, 58625), (27, 58634),

Gene: McMater_40 Start: 30486, Stop: 31310, Start Num: 1
Candidate Starts for McMater_40:
(Start: 1 @30486 has 7 MA's), (3, 30525), (4, 30570), (7, 30639), (8, 30678), (10, 30699), (11, 30711), (12, 30819), (13, 30846), (15, 30951), (16, 30972), (17, 31008), (19, 31044), (23, 31116), (27, 31218), (28, 31233),

Gene: Niklas_40 Start: 30489, Stop: 31313, Start Num: 1

Candidate Starts for Niklas_40:
(Start: 1 @30489 has 7 MA's), (3, 30528), (4, 30573), (7, 30642), (8, 30681), (10, 30702), (11, 30714), (12, 30822), (13, 30849), (15, 30954), (16, 30975), (17, 31011), (19, 31047), (23, 31119), (27, 31221), (28, 31236),

Gene: Peanam_40 Start: 30486, Stop: 31310, Start Num: 1
Candidate Starts for Peanam_40:
(Start: 1 @30486 has 7 MA's), (3, 30525), (4, 30570), (7, 30639), (8, 30678), (10, 30699), (11, 30711), (12, 30819), (13, 30846), (16, 30972), (17, 31008), (19, 31044), (23, 31116), (27, 31218), (28, 31233),

Gene: Richo_40 Start: 30486, Stop: 31310, Start Num: 1
Candidate Starts for Richo_40:
(Start: 1 @30486 has 7 MA's), (3, 30525), (4, 30570), (7, 30639), (8, 30678), (10, 30699), (11, 30711), (12, 30819), (13, 30846), (15, 30951), (16, 30972), (17, 31008), (19, 31044), (23, 31116), (27, 31218), (28, 31233),

Gene: Shaobing_40 Start: 30486, Stop: 31310, Start Num: 1
Candidate Starts for Shaobing_40:
(Start: 1 @30486 has 7 MA's), (3, 30525), (4, 30570), (7, 30639), (8, 30678), (10, 30699), (11, 30711), (12, 30819), (13, 30846), (15, 30951), (16, 30972), (17, 31008), (19, 31044), (23, 31116), (27, 31218), (28, 31233),

Gene: TClif_41 Start: 30689, Stop: 31522, Start Num: 1
Candidate Starts for TClif_41:
(Start: 1 @30689 has 7 MA's), (3, 30734), (4, 30779), (5, 30818), (7, 30848), (8, 30887), (10, 30908), (11, 30920), (13, 31055), (17, 31217), (19, 31253), (20, 31268), (21, 31292), (23, 31325), (24, 31361), (27, 31427), (29, 31454),