Pham 87476

1: DillTech15_97 + 4

2: Emma_95

3: Flathead_93

4: CaptainTrips_94

5: Starcevich_92

6: Galactic_92

7: Estave1_100

8: LunaBlu_95
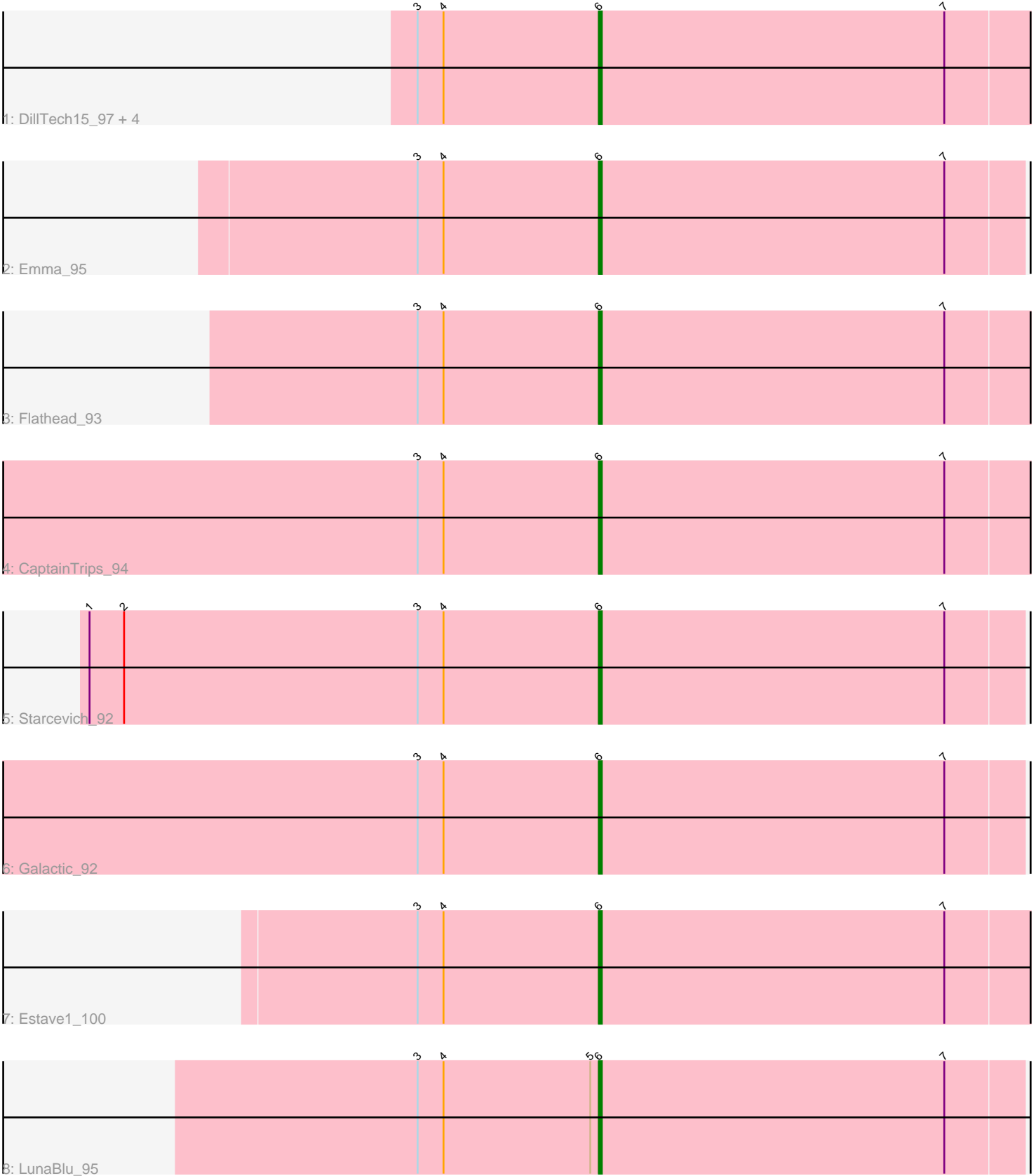
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 87476 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87476 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DillTech15_97, VRedHorse_93, Job42_91, Totinger_94, LittleShirley_97
• Track 2 : Emma_95
• Track 3 : Flathead_93
• Track 4 : CaptainTrips_94
• Track 5 : Starcevich_92
• Track 6 : Galactic_92
• Track 7 : Estave1_100
• Track 8 : LunaBlu_95

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CaptainTrips_94, DillTech15_97, Emma_95, Estave1_100, Flathead_93, Galactic_92, Job42_91, LittleShirley_97, LunaBlu_95, Starcevich_92, Totinger_94, VRedHorse_93,

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 6:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CaptainTrips_94 (F1), DillTech15_97 (F1), Emma_95 (F1), Estave1_100 (F1), Flathead_93 (F1), Galactic_92 (F1), Job42_91 (F1), LittleShirley_97 (F1), LunaBlu_95 (F1), Starcevich_92 (F1),

Totinger_94 (F1), VRedHorse_93 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 6 was manually annotated 10 times for cluster F1.

Gene Information:
Gene: CaptainTrips_94 Start: 51586, Stop: 51747, Start Num: 6
Candidate Starts for CaptainTrips_94:
(3, 51523), (4, 51532), (Start: 6 @51586 has 10 MA's), (7, 51706),

Gene: DillTech15_97 Start: 51568, Stop: 51729, Start Num: 6
Candidate Starts for DillTech15_97:
(3, 51505), (4, 51514), (Start: 6 @51568 has 10 MA's), (7, 51688),

Gene: Emma_95 Start: 50620, Stop: 50775, Start Num: 6
Candidate Starts for Emma_95:
(3, 50557), (4, 50566), (Start: 6 @50620 has 10 MA's), (7, 50740),

Gene: Estave1_100 Start: 55459, Stop: 55614, Start Num: 6
Candidate Starts for Estave1_100:
(3, 55396), (4, 55405), (Start: 6 @55459 has 10 MA's), (7, 55579),

Gene: Flathead_93 Start: 51356, Stop: 51517, Start Num: 6
Candidate Starts for Flathead_93:
(3, 51293), (4, 51302), (Start: 6 @51356 has 10 MA's), (7, 51476),

Gene: Galactic_92 Start: 50951, Stop: 51106, Start Num: 6
Candidate Starts for Galactic_92:
(3, 50888), (4, 50897), (Start: 6 @50951 has 10 MA's), (7, 51071),

Gene: Job42_91 Start: 53770, Stop: 53931, Start Num: 6
Candidate Starts for Job42_91:
(3, 53707), (4, 53716), (Start: 6 @53770 has 10 MA's), (7, 53890),

Gene: LittleShirley_97 Start: 52739, Stop: 52894, Start Num: 6
Candidate Starts for LittleShirley_97:
(3, 52676), (4, 52685), (Start: 6 @52739 has 10 MA's), (7, 52859),

Gene: LunaBlu_95 Start: 52437, Stop: 52592, Start Num: 6
Candidate Starts for LunaBlu_95:
(3, 52374), (4, 52383), (5, 52434), (Start: 6 @52437 has 10 MA's), (7, 52557),

Gene: Starcevich_92 Start: 52640, Stop: 52795, Start Num: 6
Candidate Starts for Starcevich_92:
(1, 52463), (2, 52475), (3, 52577), (4, 52586), (Start: 6 @52640 has 10 MA's), (7, 52760),

Gene: Totinger_94 Start: 51816, Stop: 51974, Start Num: 6
Candidate Starts for Totinger_94:
(3, 51753), (4, 51762), (Start: 6 @51816 has 10 MA's), (7, 51936),

Gene: VRedHorse_93 Start: 49609, Stop: 49755, Start Num: 6
Candidate Starts for VRedHorse_93:
(3, 49546), (4, 49555), (Start: 6 @49609 has 10 MA's), (7, 49729),