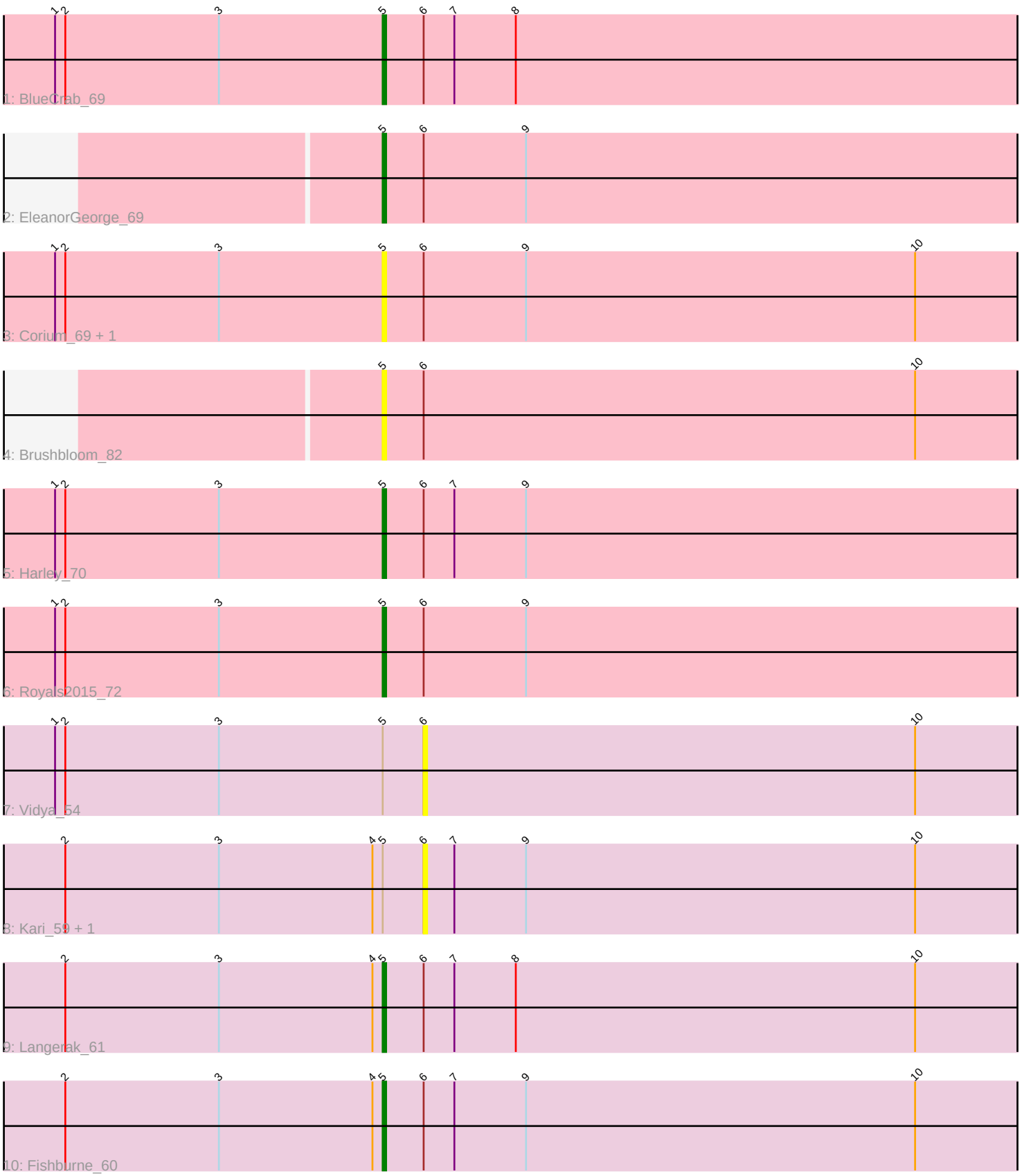
Pham 216721


1
2
3
5
6
7
8
1: BlueCrab_69
5
6
9
2: EleanorGeorge_69
1
2
3
5
6
9
10
3: Corium_69 + 1
5
6
10
4: Brushbloom_82
1
2
3
5
6
7
9
5: Harley_70
1
2
3
5
6
9
6: Royals2015_72
1
2
3
5
6
10
7: Vidya_64
2
3
4
5
6
7
9
10
8: Kari_59 + 1
2
3
4
5
6
7
8
10
9: Langerak_61
2
3
4
5
6
7
9
10
10: Fishburne_60

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 216721 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216721 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : BlueCrab_69
• Track 2 : EleanorGeorge_69
• Track 3 : Corium_69, KingJulian_69
• Track 4 : Brushbloom_82
• Track 5 : Harley_70
• Track 6 : Royals2015_72
• Track 7 : Vidya_54
• Track 8 : Kari_59, Etoile_59
• Track 9 : Langerak_61
• Track 10 : Fishburne_60

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueCrab_69, Brushbloom_82, Corium_69, EleanorGeorge_69, Fishburne_60, Harley_70, KingJulian_69, Langerak_61, Royals2015_72,

Genes that have the "Most Annotated" start but do not call it:
• Etoile_59, Kari_59, Vidya_54,

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

Summary by start number:

Start 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: BlueCrab_69 (F1), Brushbloom_82 (F1), Corium_69 (F1), EleanorGeorge_69 (F1), Fishburne_60 (P1), Harley_70 (F1),

KingJulian_69 (F1), Langerak_61 (P1), Royals2015_72 (F1),

Start 6:
• Found in 12 of 12 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Etoile_59 (P1), Kari_59 (P1), Vidya_54 (P1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, P1,

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 2 times for cluster P1.

Gene Information:

Gene: BlueCrab_69 Start: 46345, Stop: 46548, Start Num: 5
Candidate Starts for BlueCrab_69:
(1, 46249), (2, 46252), (3, 46297), (Start: 5 @46345 has 6 MA's), (6, 46357), (7, 46366), (8, 46384),

Gene: Brushbloom_82 Start: 47986, Stop: 48192, Start Num: 5
Candidate Starts for Brushbloom_82:
(Start: 5 @47986 has 6 MA's), (6, 47998), (10, 48142),

Gene: Corium_69 Start: 46999, Stop: 47205, Start Num: 5
Candidate Starts for Corium_69:
(1, 46903), (2, 46906), (3, 46951), (Start: 5 @46999 has 6 MA's), (6, 47011), (9, 47041), (10, 47155),

Gene: EleanorGeorge_69 Start: 45124, Stop: 45327, Start Num: 5
Candidate Starts for EleanorGeorge_69:
(Start: 5 @45124 has 6 MA's), (6, 45136), (9, 45166),

Gene: Etoile_59 Start: 39857, Stop: 40051, Start Num: 6
Candidate Starts for Etoile_59:
(2, 39752), (3, 39797), (4, 39842), (Start: 5 @39845 has 6 MA's), (6, 39857), (7, 39866), (9, 39887), (10, 40001),

Gene: Fishburne_60 Start: 39845, Stop: 40051, Start Num: 5
Candidate Starts for Fishburne_60:
(2, 39752), (3, 39797), (4, 39842), (Start: 5 @39845 has 6 MA's), (6, 39857), (7, 39866), (9, 39887), (10, 40001),

Gene: Harley_70 Start: 44993, Stop: 45196, Start Num: 5
Candidate Starts for Harley_70:
(1, 44897), (2, 44900), (3, 44945), (Start: 5 @44993 has 6 MA's), (6, 45005), (7, 45014), (9, 45035),

Gene: Kari_59 Start: 39854, Stop: 40048, Start Num: 6
Candidate Starts for Kari_59:
(2, 39749), (3, 39794), (4, 39839), (Start: 5 @39842 has 6 MA's), (6, 39854), (7, 39863), (9, 39884), (10, 39998),

Gene: KingJulian_69 Start: 46999, Stop: 47205, Start Num: 5
Candidate Starts for KingJulian_69:
(1, 46903), (2, 46906), (3, 46951), (Start: 5 @46999 has 6 MA's), (6, 47011), (9, 47041), (10, 47155),

Gene: Langerak_61 Start: 39822, Stop: 40028, Start Num: 5
Candidate Starts for Langerak_61:
(2, 39729), (3, 39774), (4, 39819), (Start: 5 @39822 has 6 MA's), (6, 39834), (7, 39843), (8, 39861), (10, 39978),

Gene: Royals2015_72 Start: 44494, Stop: 44697, Start Num: 5
Candidate Starts for Royals2015_72:
(1, 44398), (2, 44401), (3, 44446), (Start: 5 @44494 has 6 MA's), (6, 44506), (9, 44536),

Gene: Vidya_54 Start: 37311, Stop: 37502, Start Num: 6
Candidate Starts for Vidya_54:
(1, 37203), (2, 37206), (3, 37251), (Start: 5 @37299 has 6 MA's), (6, 37311), (10, 37455),