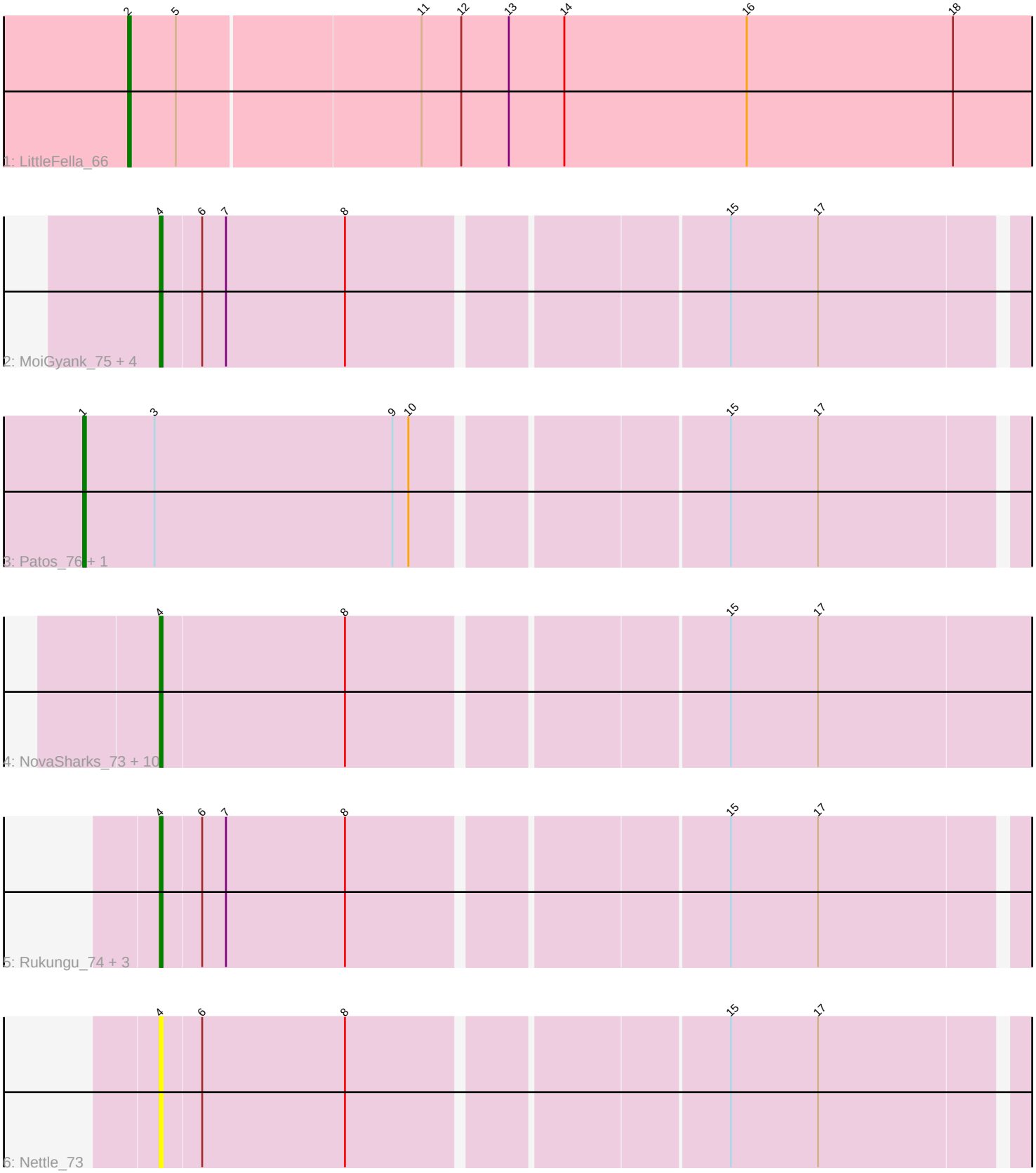
Pham 313889


2
5
11
12
13
14
16
18
1: LittleFella_66
4
6
7
8
15
17
2: MoiGyank_75 + 4
1
3
9
10
15
17
3: Patos_76 + 1
4
8
15
17
4: NovaSharks_73 + 10
4
6
7
8
15
17
5: Rukungu_74 + 3
4
6
8
15
17
6: Nettle_73

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 313889 Report

This analysis was run 09/05/26 on database version 662.

Pham number 313889 has 24 members, 4 are drafts.

Phages represented in each track:
• Track 1 : LittleFella_66
• Track 2 : MoiGyank_75, Jalebi_72, Ranch_72, DoobyDoo_71, Sampudon_73
• Track 3 : Patos_76, NorManre_76
• Track 4 : NovaSharks_73, Rumi_72, RazorC_71, Avian_69, Astralis_71, Alyssamiracle_74, Stormer_71, Riduram_70, Jamemuya19_70, Genamy16_74, Charminar_70
• Track 5 : Rukungu_74, Pywacket_69, LavAbarElk_72, Zany_70
• Track 6 : Nettle_73

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alyssamiracle_74, Astralis_71, Avian_69, Charminar_70, DoobyDoo_71, Genamy16_74, Jalebi_72, Jamemuya19_70, LavAbarElk_72, MoiGyank_75, Nettle_73, NovaSharks_73, Pywacket_69, Ranch_72, RazorC_71, Riduram_70, Rukungu_74, Rumi_72, Sampudon_73, Stormer_71, Zany_70,

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

Genes that do not have the "Most Annotated" start:
• LittleFella_66, NorManre_76, Patos_76,

Summary by start number:

Start 1:
• Found in 2 of 24 (8.3%) of genes in pham
• Manual Annotations of this start: 2 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NorManre_76 (DV), Patos_76 (DV),

Start 2:
• Found in 1 of 24 (4.2%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LittleFella_66 (DG2),

Start 4:
• Found in 21 of 24 (87.5%) of genes in pham
• Manual Annotations of this start: 17 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alyssamiracle_74 (DV), Astralis_71 (DV), Avian_69 (DV), Charminar_70 (DV), DoobyDoo_71 (DV), Genamy16_74 (DV), Jalebi_72 (DV), Jamemuya19_70 (DV), LavAbarElk_72 (DV), MoiGyank_75 (DV), Nettle_73 (DV), NovaSharks_73 (DV), Pywacket_69 (DV), Ranch_72 (DV), RazorC_71 (DV), Riduram_70 (DV), Rukungu_74 (DV), Rumi_72 (DV), Sampudon_73 (DV), Stormer_71 (DV), Zany_70 (DV),

Summary by clusters:

There are 2 clusters represented in this pham: DV, DG2,

Info for manual annotations of cluster DG2:
•Start number 2 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DV:
•Start number 1 was manually annotated 2 times for cluster DV.
•Start number 4 was manually annotated 17 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_74 Start: 48050, Stop: 48388, Start Num: 4
Candidate Starts for Alyssamiracle_74:
(Start: 4 @48050 has 17 MA's), (8, 48119), (15, 48254), (17, 48287),

Gene: Astralis_71 Start: 47629, Stop: 47967, Start Num: 4
Candidate Starts for Astralis_71:
(Start: 4 @47629 has 17 MA's), (8, 47698), (15, 47833), (17, 47866),

Gene: Avian_69 Start: 47778, Stop: 48116, Start Num: 4
Candidate Starts for Avian_69:
(Start: 4 @47778 has 17 MA's), (8, 47847), (15, 47982), (17, 48015),

Gene: Charminar_70 Start: 47286, Stop: 47624, Start Num: 4
Candidate Starts for Charminar_70:
(Start: 4 @47286 has 17 MA's), (8, 47355), (15, 47490), (17, 47523),

Gene: DoobyDoo_71 Start: 48031, Stop: 48363, Start Num: 4
Candidate Starts for DoobyDoo_71:
(Start: 4 @48031 has 17 MA's), (6, 48046), (7, 48055), (8, 48100), (15, 48235), (17, 48268),

Gene: Genamy16_74 Start: 48036, Stop: 48374, Start Num: 4

Candidate Starts for Genamy16_74:
(Start: 4 @48036 has 17 MA's), (8, 48105), (15, 48240), (17, 48273),

Gene: Jalebi_72 Start: 50269, Stop: 50601, Start Num: 4
Candidate Starts for Jalebi_72:
(Start: 4 @50269 has 17 MA's), (6, 50284), (7, 50293), (8, 50338), (15, 50473), (17, 50506),

Gene: Jamemuya19_70 Start: 47641, Stop: 47979, Start Num: 4
Candidate Starts for Jamemuya19_70:
(Start: 4 @47641 has 17 MA's), (8, 47710), (15, 47845), (17, 47878),

Gene: LavAbarElk_72 Start: 48481, Stop: 48813, Start Num: 4
Candidate Starts for LavAbarElk_72:
(Start: 4 @48481 has 17 MA's), (6, 48496), (7, 48505), (8, 48550), (15, 48685), (17, 48718),

Gene: LittleFella_66 Start: 47323, Stop: 47667, Start Num: 2
Candidate Starts for LittleFella_66:
(Start: 2 @47323 has 1 MA's), (5, 47341), (11, 47431), (12, 47446), (13, 47464), (14, 47485), (16, 47554), (18, 47632),

Gene: MoiGyank_75 Start: 49823, Stop: 50155, Start Num: 4
Candidate Starts for MoiGyank_75:
(Start: 4 @49823 has 17 MA's), (6, 49838), (7, 49847), (8, 49892), (15, 50027), (17, 50060),

Gene: Nettle_73 Start: 49577, Stop: 49909, Start Num: 4
Candidate Starts for Nettle_73:
(Start: 4 @49577 has 17 MA's), (6, 49592), (8, 49646), (15, 49781), (17, 49814),

Gene: NorManre_76 Start: 50068, Stop: 50430, Start Num: 1
Candidate Starts for NorManre_76:
(Start: 1 @50068 has 2 MA's), (3, 50095), (9, 50185), (10, 50191), (15, 50302), (17, 50335),

Gene: NovaSharks_73 Start: 47627, Stop: 47965, Start Num: 4
Candidate Starts for NovaSharks_73:
(Start: 4 @47627 has 17 MA's), (8, 47696), (15, 47831), (17, 47864),

Gene: Patos_76 Start: 50067, Stop: 50429, Start Num: 1
Candidate Starts for Patos_76:
(Start: 1 @50067 has 2 MA's), (3, 50094), (9, 50184), (10, 50190), (15, 50301), (17, 50334),

Gene: Pywacket_69 Start: 49666, Stop: 49998, Start Num: 4
Candidate Starts for Pywacket_69:
(Start: 4 @49666 has 17 MA's), (6, 49681), (7, 49690), (8, 49735), (15, 49870), (17, 49903),

Gene: Ranch_72 Start: 47850, Stop: 48182, Start Num: 4
Candidate Starts for Ranch_72:
(Start: 4 @47850 has 17 MA's), (6, 47865), (7, 47874), (8, 47919), (15, 48054), (17, 48087),

Gene: RazorC_71 Start: 47781, Stop: 48119, Start Num: 4
Candidate Starts for RazorC_71:
(Start: 4 @47781 has 17 MA's), (8, 47850), (15, 47985), (17, 48018),

Gene: Riduram_70 Start: 47356, Stop: 47694, Start Num: 4

Candidate Starts for Riduram_70:
(Start: 4 @47356 has 17 MA's), (8, 47425), (15, 47560), (17, 47593),

Gene: Rukungu_74 Start: 49962, Stop: 50294, Start Num: 4
Candidate Starts for Rukungu_74:
(Start: 4 @49962 has 17 MA's), (6, 49977), (7, 49986), (8, 50031), (15, 50166), (17, 50199),

Gene: Rumi_72 Start: 47324, Stop: 47662, Start Num: 4
Candidate Starts for Rumi_72:
(Start: 4 @47324 has 17 MA's), (8, 47393), (15, 47528), (17, 47561),

Gene: Sampudon_73 Start: 50269, Stop: 50601, Start Num: 4
Candidate Starts for Sampudon_73:
(Start: 4 @50269 has 17 MA's), (6, 50284), (7, 50293), (8, 50338), (15, 50473), (17, 50506),

Gene: Stormer_71 Start: 47328, Stop: 47666, Start Num: 4
Candidate Starts for Stormer_71:
(Start: 4 @47328 has 17 MA's), (8, 47397), (15, 47532), (17, 47565),

Gene: Zany_70 Start: 49582, Stop: 49914, Start Num: 4
Candidate Starts for Zany_70:
(Start: 4 @49582 has 17 MA's), (6, 49597), (7, 49606), (8, 49651), (15, 49786), (17, 49819),