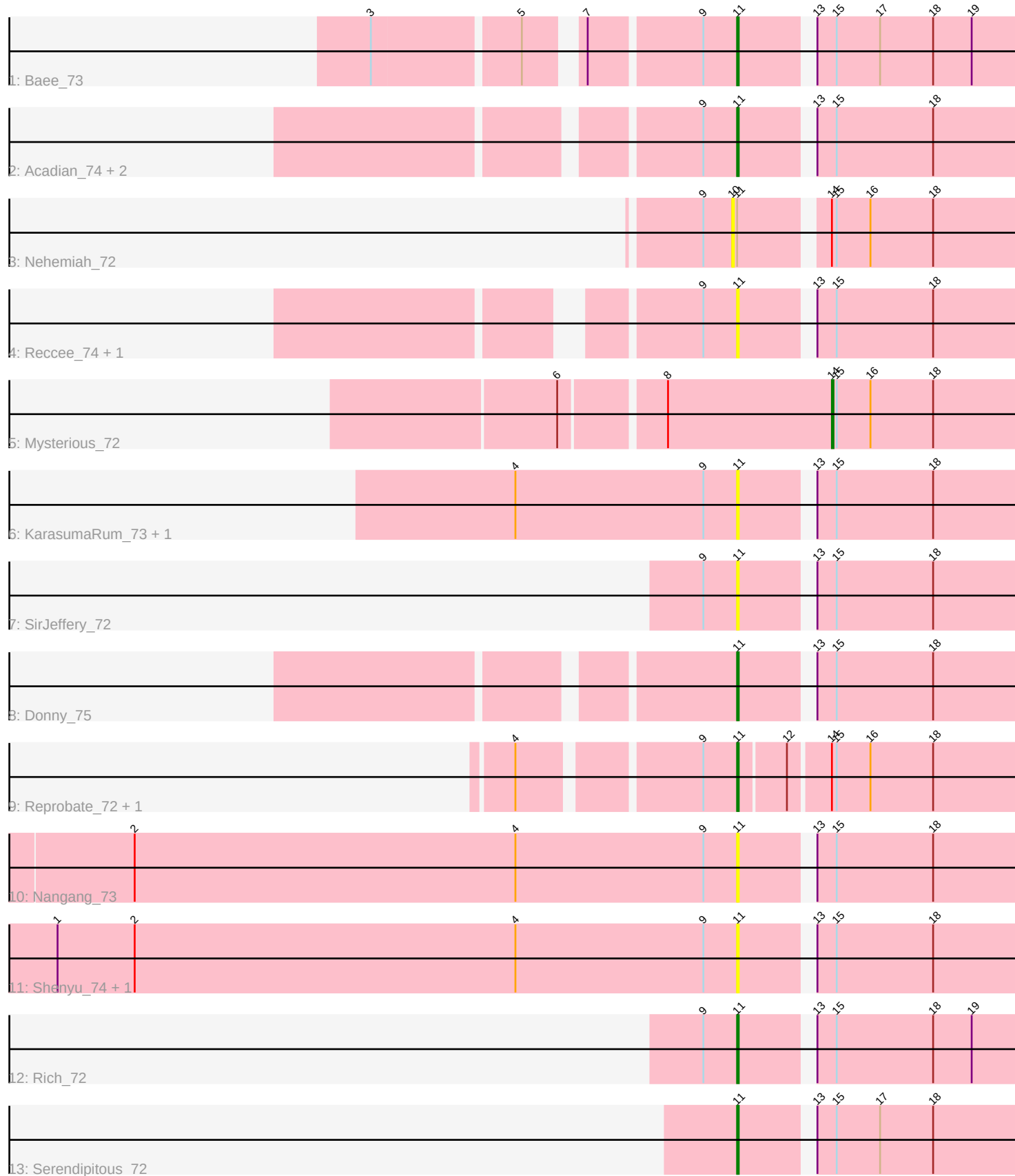


Pham 239256



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 239256 Report

This analysis was run 02/07/26 on database version 634.

Pham number 239256 has 19 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Baee_73
- Track 2 : Acadian_74, EastView9101_73, Suigeneris_75
- Track 3 : Nehemiah_72
- Track 4 : Reccee_74, Rita130_73
- Track 5 : Mysterious_72
- Track 6 : KarasumaRum_73, StinkyVeggy_73
- Track 7 : SirJeffery_72
- Track 8 : Donny_75
- Track 9 : Reprobate_72, Phelemich_70
- Track 10 : Nangang_73
- Track 11 : Shenyu_74, DigitDog_74
- Track 12 : Rich_72
- Track 13 : Serendipitous_72

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

The start number called the most often in the published annotations is 11, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_74, Baee_73, DigitDog_74, Donny_75, EastView9101_73, KarasumaRum_73, Nangang_73, Phelemich_70, Reccee_74, Reprobate_72, Rich_72, Rita130_73, Serendipitous_72, Shenyu_74, SirJeffery_72, StinkyVeggy_73, Suigeneris_75,

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

- Nehemiah_72,

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

- Mysterious_72,

Summary by start number:

Start 10:

- Found in 1 of 19 (5.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nehemiah_72 (B5),

Start 11:

- Found in 18 of 19 (94.7%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Acadian_74 (B5), Baee_73 (B5), DigitDog_74 (B5), Donny_75 (B5), EastView9101_73 (B5), KarasumaRum_73 (B5), Nangang_73 (B5), Phelemich_70 (B5), Reccee_74 (B5), Reprobate_72 (B5), Rich_72 (B5), Rita130_73 (B5), Serendipitous_72 (B5), Shenyu_74 (B5), SirJeffery_72 (B5), StinkyVeggy_73 (B5), Suigeneris_75 (B5),

Start 14:

- Found in 4 of 19 (21.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mysterious_72 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:

- Start number 11 was manually annotated 9 times for cluster B5.
- Start number 14 was manually annotated 1 time for cluster B5.

Gene Information:

Gene: Acadian_74 Start: 60737, Stop: 60919, Start Num: 11

Candidate Starts for Acadian_74:

(9, 60716), (Start: 11 @60737 has 9 MA's), (13, 60776), (15, 60788), (18, 60848),

Gene: Baee_73 Start: 61436, Stop: 61618, Start Num: 11

Candidate Starts for Baee_73:

(3, 61238), (5, 61322), (7, 61349), (9, 61415), (Start: 11 @61436 has 9 MA's), (13, 61475), (15, 61487), (17, 61514), (18, 61547), (19, 61571),

Gene: DigitDog_74 Start: 60838, Stop: 61020, Start Num: 11

Candidate Starts for DigitDog_74:

(1, 60415), (2, 60463), (4, 60700), (9, 60817), (Start: 11 @60838 has 9 MA's), (13, 60877), (15, 60889), (18, 60949),

Gene: Donny_75 Start: 60777, Stop: 60959, Start Num: 11

Candidate Starts for Donny_75:

(Start: 11 @60777 has 9 MA's), (13, 60816), (15, 60828), (18, 60888),

Gene: EastView9101_73 Start: 60481, Stop: 60663, Start Num: 11

Candidate Starts for EastView9101_73:

(9, 60460), (Start: 11 @60481 has 9 MA's), (13, 60520), (15, 60532), (18, 60592),

Gene: KarasumaRum_73 Start: 60713, Stop: 60895, Start Num: 11

Candidate Starts for KarasumaRum_73:

(4, 60575), (9, 60692), (Start: 11 @60713 has 9 MA's), (13, 60752), (15, 60764), (18, 60824),

Gene: Mysterious_72 Start: 60784, Stop: 60918, Start Num: 14

Candidate Starts for Mysterious_72:

(6, 60622), (8, 60682), (Start: 14 @60784 has 1 MA's), (15, 60787), (16, 60808), (18, 60847),

Gene: Nangang_73 Start: 60864, Stop: 61046, Start Num: 11

Candidate Starts for Nangang_73:

(2, 60489), (4, 60726), (9, 60843), (Start: 11 @60864 has 9 MA's), (13, 60903), (15, 60915), (18, 60975),

Gene: Nehemiah_72 Start: 60536, Stop: 60721, Start Num: 10

Candidate Starts for Nehemiah_72:

(9, 60518), (10, 60536), (Start: 11 @60539 has 9 MA's), (Start: 14 @60587 has 1 MA's), (15, 60590), (16, 60611), (18, 60650),

Gene: Phelemich_70 Start: 60602, Stop: 60787, Start Num: 11

Candidate Starts for Phelemich_70:

(4, 60479), (9, 60581), (Start: 11 @60602 has 9 MA's), (12, 60629), (Start: 14 @60653 has 1 MA's), (15, 60656), (16, 60677), (18, 60716),

Gene: Reccee_74 Start: 60784, Stop: 60966, Start Num: 11

Candidate Starts for Reccee_74:

(9, 60763), (Start: 11 @60784 has 9 MA's), (13, 60823), (15, 60835), (18, 60895),

Gene: Reprobate_72 Start: 60607, Stop: 60792, Start Num: 11

Candidate Starts for Reprobate_72:

(4, 60484), (9, 60586), (Start: 11 @60607 has 9 MA's), (12, 60634), (Start: 14 @60658 has 1 MA's), (15, 60661), (16, 60682), (18, 60721),

Gene: Rich_72 Start: 61481, Stop: 61663, Start Num: 11

Candidate Starts for Rich_72:

(9, 61460), (Start: 11 @61481 has 9 MA's), (13, 61520), (15, 61532), (18, 61592), (19, 61616),

Gene: Rita130_73 Start: 60711, Stop: 60893, Start Num: 11

Candidate Starts for Rita130_73:

(9, 60690), (Start: 11 @60711 has 9 MA's), (13, 60750), (15, 60762), (18, 60822),

Gene: Serendipitous_72 Start: 60167, Stop: 60349, Start Num: 11

Candidate Starts for Serendipitous_72:

(Start: 11 @60167 has 9 MA's), (13, 60206), (15, 60218), (17, 60245), (18, 60278),

Gene: Shenyu_74 Start: 61203, Stop: 61385, Start Num: 11

Candidate Starts for Shenyu_74:

(1, 60780), (2, 60828), (4, 61065), (9, 61182), (Start: 11 @61203 has 9 MA's), (13, 61242), (15, 61254), (18, 61314),

Gene: SirJeffery_72 Start: 60521, Stop: 60703, Start Num: 11

Candidate Starts for SirJeffery_72:

(9, 60500), (Start: 11 @60521 has 9 MA's), (13, 60560), (15, 60572), (18, 60632),

Gene: StinkyVeggy_73 Start: 60713, Stop: 60895, Start Num: 11

Candidate Starts for StinkyVeggy_73:

(4, 60575), (9, 60692), (Start: 11 @60713 has 9 MA's), (13, 60752), (15, 60764), (18, 60824),

Gene: Suigeneris_75 Start: 60959, Stop: 61141, Start Num: 11

Candidate Starts for Suigeneris_75:

(9, 60938), (Start: 11 @60959 has 9 MA's), (13, 60998), (15, 61010), (18, 61070),