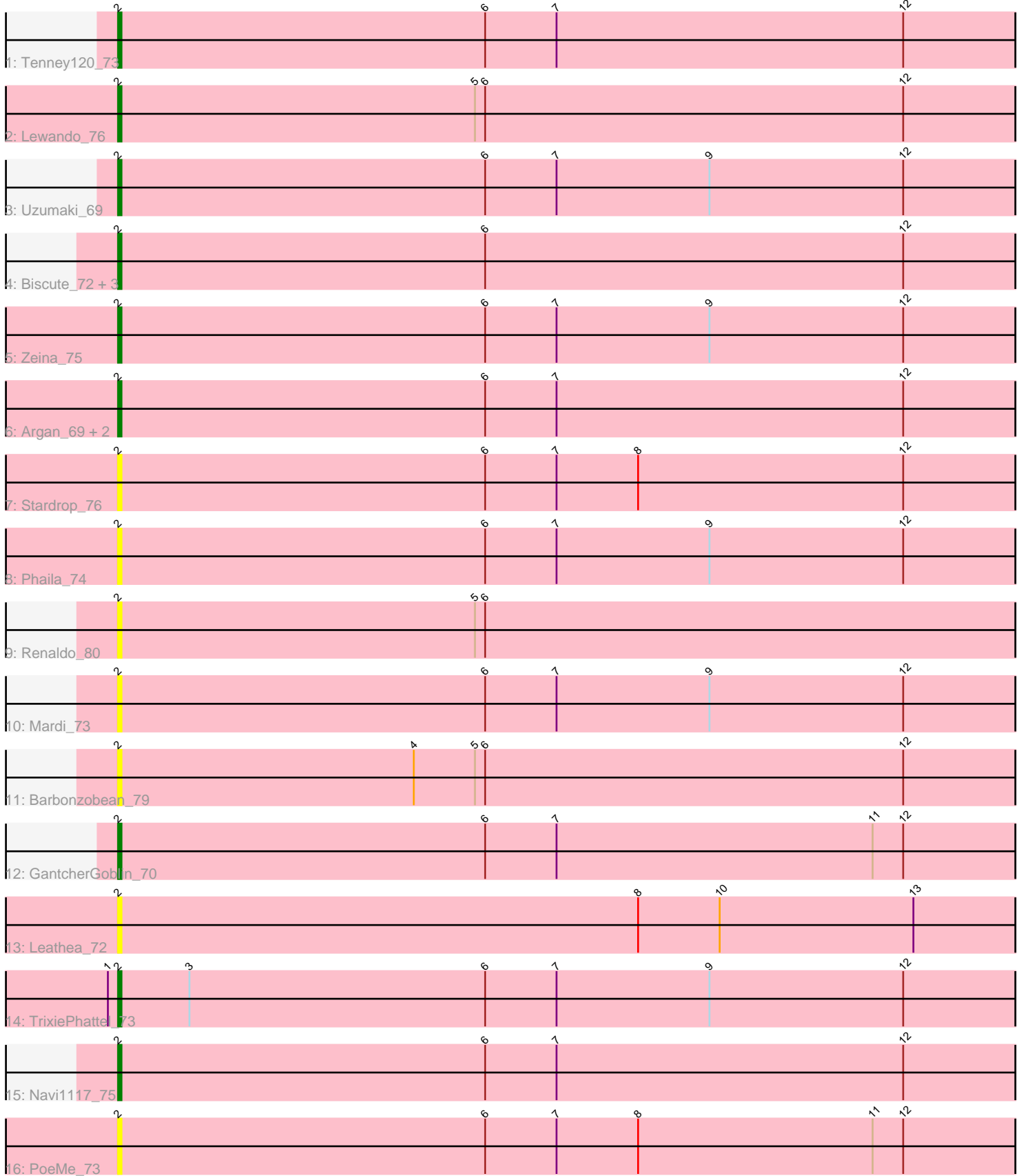


Pham 295099



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 295099 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295099 has 21 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Tenney120_73
- Track 2 : Lewando_76
- Track 3 : Uzumaki_69
- Track 4 : Biscute_72, Kinny_75, BarbieDoll_76, Muglass_74
- Track 5 : Zeina_75
- Track 6 : Argan_69, Altjira_74, KevinMinion_70
- Track 7 : Stardrop_76
- Track 8 : Phaila_74
- Track 9 : Renaldo_80
- Track 10 : Mardi_73
- Track 11 : Barbonzobean_79
- Track 12 : GantcherGoblin_70
- Track 13 : Leathea_72
- Track 14 : TrixiePhattel_73
- Track 15 : Navi1117_75
- Track 16 : PoeMe_73

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

The start number called the most often in the published annotations is 2, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altjira_74, Argan_69, BarbieDoll_76, Barbonzobean_79, Biscute_72, GantcherGoblin_70, KevinMinion_70, Kinny_75, Leathea_72, Lewando_76, Mardi_73, Muglass_74, Navi1117_75, Phaila_74, PoeMe_73, Renaldo_80, Stardrop_76, Tenney120_73, TrixiePhattel_73, Uzumaki_69, Zeina_75,

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 2:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altjira_74 (AU6), Argan_69 (AU6), BarbieDoll_76 (AU6), Barbonzobean_79 (AU6), Biscute_72 (AU6), GantcherGoblin_70 (AU6), KevinMinion_70 (AU6), Kinny_75 (AU6), Leathea_72 (AU6), Lewando_76 (AU6), Mardi_73 (AU6), Muglass_74 (AU6), Navi1117_75 (AU6), Phaila_74 (AU6), PoeMe_73 (AU6), Renaldo_80 (AU6), Stardrop_76 (AU6), Tenney120_73 (AU6), TrixiePhattel_73 (AU6), Uzumaki_69 (AU6), Zeina_75 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:

- Start number 2 was manually annotated 11 times for cluster AU6.

Gene Information:

Gene: Altjira_74 Start: 45409, Stop: 45696, Start Num: 2

Candidate Starts for Altjira_74:

(Start: 2 @45409 has 11 MA's), (6, 45517), (7, 45538), (12, 45640),

Gene: Argan_69 Start: 44132, Stop: 44419, Start Num: 2

Candidate Starts for Argan_69:

(Start: 2 @44132 has 11 MA's), (6, 44240), (7, 44261), (12, 44363),

Gene: BarbieDoll_76 Start: 45845, Stop: 46132, Start Num: 2

Candidate Starts for BarbieDoll_76:

(Start: 2 @45845 has 11 MA's), (6, 45953), (12, 46076),

Gene: Barbonzobean_79 Start: 46241, Stop: 46528, Start Num: 2

Candidate Starts for Barbonzobean_79:

(Start: 2 @46241 has 11 MA's), (4, 46328), (5, 46346), (6, 46349), (12, 46472),

Gene: Biscute_72 Start: 45497, Stop: 45784, Start Num: 2

Candidate Starts for Biscute_72:

(Start: 2 @45497 has 11 MA's), (6, 45605), (12, 45728),

Gene: GantcherGoblin_70 Start: 44191, Stop: 44478, Start Num: 2

Candidate Starts for GantcherGoblin_70:

(Start: 2 @44191 has 11 MA's), (6, 44299), (7, 44320), (11, 44413), (12, 44422),

Gene: KevinMinion_70 Start: 45083, Stop: 45370, Start Num: 2

Candidate Starts for KevinMinion_70:

(Start: 2 @45083 has 11 MA's), (6, 45191), (7, 45212), (12, 45314),

Gene: Kinny_75 Start: 46325, Stop: 46612, Start Num: 2

Candidate Starts for Kinny_75:
(Start: 2 @46325 has 11 MA's), (6, 46433), (12, 46556),

Gene: Leathea_72 Start: 44099, Stop: 44386, Start Num: 2
Candidate Starts for Leathea_72:
(Start: 2 @44099 has 11 MA's), (8, 44252), (10, 44276), (13, 44333),

Gene: Lewando_76 Start: 46062, Stop: 46349, Start Num: 2
Candidate Starts for Lewando_76:
(Start: 2 @46062 has 11 MA's), (5, 46167), (6, 46170), (12, 46293),

Gene: Mardi_73 Start: 44835, Stop: 45122, Start Num: 2
Candidate Starts for Mardi_73:
(Start: 2 @44835 has 11 MA's), (6, 44943), (7, 44964), (9, 45009), (12, 45066),

Gene: Muglass_74 Start: 45401, Stop: 45688, Start Num: 2
Candidate Starts for Muglass_74:
(Start: 2 @45401 has 11 MA's), (6, 45509), (12, 45632),

Gene: Navi1117_75 Start: 45271, Stop: 45558, Start Num: 2
Candidate Starts for Navi1117_75:
(Start: 2 @45271 has 11 MA's), (6, 45379), (7, 45400), (12, 45502),

Gene: Phaila_74 Start: 44315, Stop: 44602, Start Num: 2
Candidate Starts for Phaila_74:
(Start: 2 @44315 has 11 MA's), (6, 44423), (7, 44444), (9, 44489), (12, 44546),

Gene: PoeMe_73 Start: 44803, Stop: 45090, Start Num: 2
Candidate Starts for PoeMe_73:
(Start: 2 @44803 has 11 MA's), (6, 44911), (7, 44932), (8, 44956), (11, 45025), (12, 45034),

Gene: Renaldo_80 Start: 46283, Stop: 46570, Start Num: 2
Candidate Starts for Renaldo_80:
(Start: 2 @46283 has 11 MA's), (5, 46388), (6, 46391),

Gene: Stardrop_76 Start: 44905, Stop: 45192, Start Num: 2
Candidate Starts for Stardrop_76:
(Start: 2 @44905 has 11 MA's), (6, 45013), (7, 45034), (8, 45058), (12, 45136),

Gene: Tenney120_73 Start: 44851, Stop: 45138, Start Num: 2
Candidate Starts for Tenney120_73:
(Start: 2 @44851 has 11 MA's), (6, 44959), (7, 44980), (12, 45082),

Gene: TrixiePhattel_73 Start: 44473, Stop: 44778, Start Num: 2
Candidate Starts for TrixiePhattel_73:
(1, 44470), (Start: 2 @44473 has 11 MA's), (3, 44494), (6, 44581), (7, 44602), (9, 44647), (12, 44704),

Gene: Uzumaki_69 Start: 44292, Stop: 44579, Start Num: 2
Candidate Starts for Uzumaki_69:
(Start: 2 @44292 has 11 MA's), (6, 44400), (7, 44421), (9, 44466), (12, 44523),

Gene: Zeina_75 Start: 45147, Stop: 45434, Start Num: 2
Candidate Starts for Zeina_75:

(Start: 2 @45147 has 11 MA's), (6, 45255), (7, 45276), (9, 45321), (12, 45378),