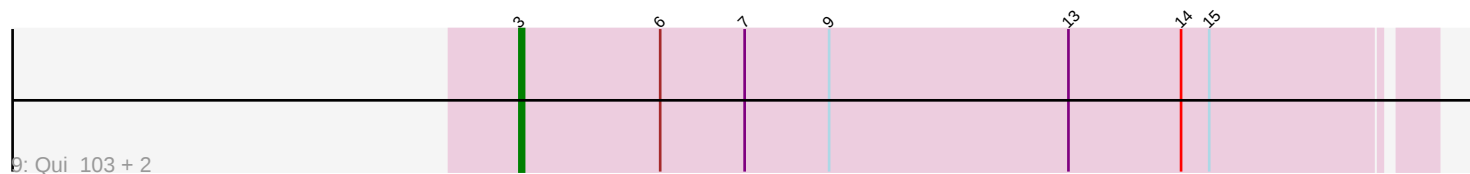
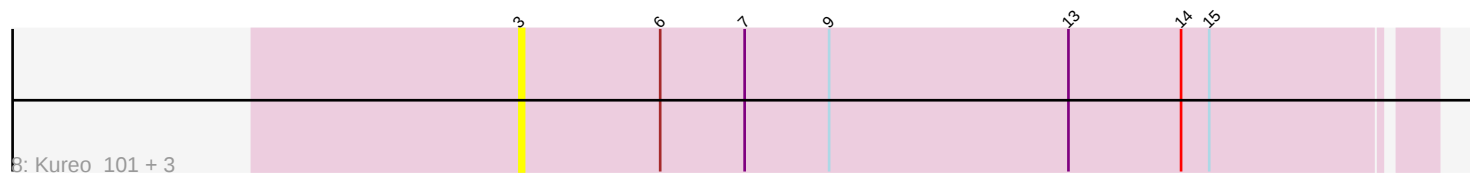
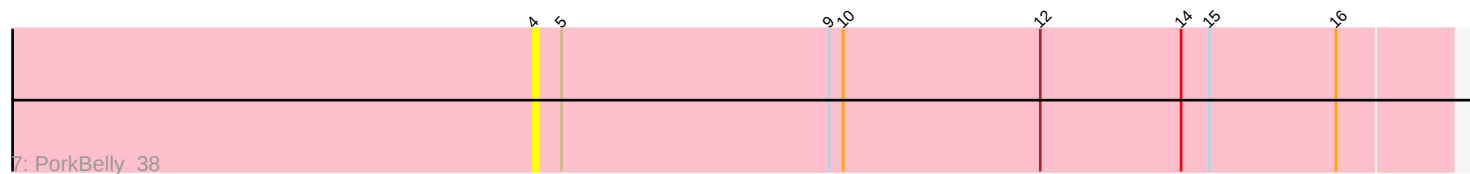
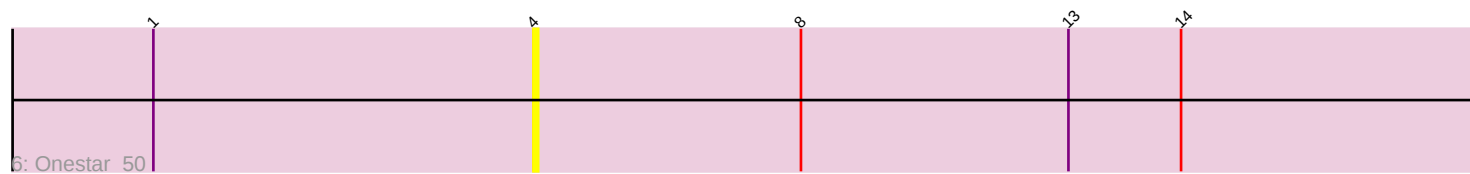
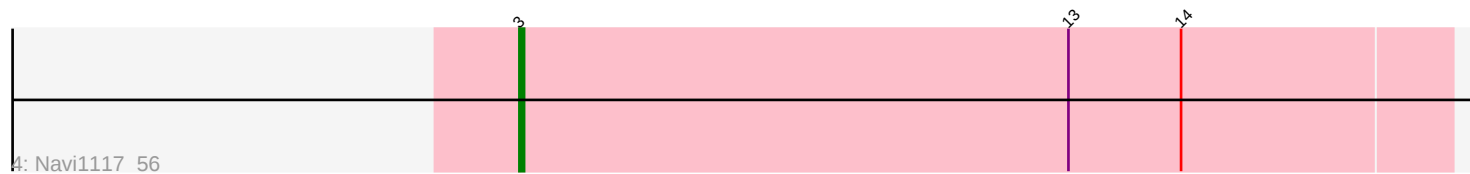
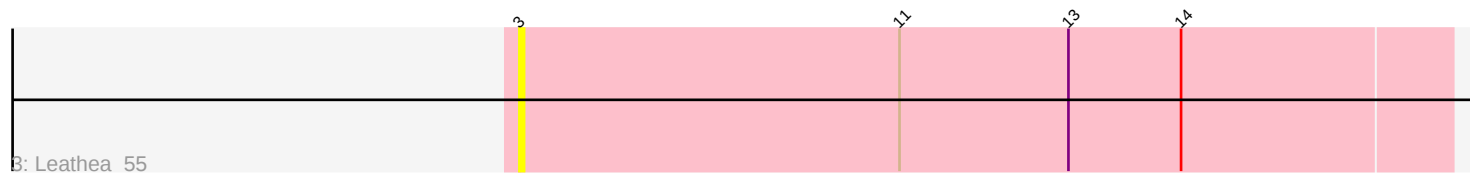
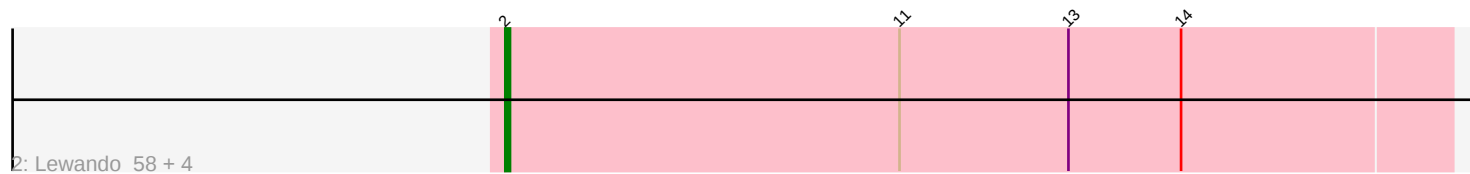


Pham 280729



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 280729 Report

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

Pham number 280729 has 30 members, 16 are drafts.

Phages represented in each track:

- Track 1 : Argan_53, Altjira_57, PoeMe_56, Zeina_56, KevinMinion_54, Tenney120_56, Mardi_55, TrixiePhattel_56, Phaila_58, Uzumaki_52, Stardrop_59, GantcherGoblin_53
- Track 2 : Lewando_58, Renaldo_61, Kinny_58, Barbonzobean_61, BarbieDoll_59
- Track 3 : Leatheas_55
- Track 4 : Navi1117_56
- Track 5 : Muglass_57, Biscute_55
- Track 6 : Onestar_50
- Track 7 : PorkBelly_38
- Track 8 : Kureo_101, Gandionco_100, Marianna39_101, JeNeSaisPas_98
- Track 9 : Qui_103, Elver_103, Paella_103

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

The start number called the most often in the published annotations is 3, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altjira_57, Argan_53, Elver_103, Gandionco_100, GantcherGoblin_53, JeNeSaisPas_98, KevinMinion_54, Kureo_101, Leatheas_55, Mardi_55, Marianna39_101, Navi1117_56, Paella_103, Phaila_58, PoeMe_56, Qui_103, Stardrop_59, Tenney120_56, TrixiePhattel_56, Uzumaki_52, Zeina_56,

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

-

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

- BarbieDoll_59, Barbonzobean_61, Biscute_55, Kinny_58, Lewando_58, Muglass_57, Onestar_50, PorkBelly_38, Renaldo_61,

Summary by start number:

Start 2:

- Found in 7 of 30 (23.3%) of genes in pham

- Manual Annotations of this start: 3 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll_59 (AU6), Barbonzobean_61 (AU6), Biscute_55 (AU6), Kinny_58 (AU6), Lewando_58 (AU6), Muglass_57 (AU6), Renaldo_61 (AU6),

Start 3:

- Found in 21 of 30 (70.0%) of genes in pham
- Manual Annotations of this start: 11 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altjira_57 (AU6), Argan_53 (AU6), Elver_103 (FK), Gandionco_100 (FK), GantcherGoblin_53 (AU6), JeNeSaisPas_98 (FK), KevinMinion_54 (AU6), Kureo_101 (FK), Leathea_55 (AU6), Mardi_55 (AU6), Marianna39_101 (FK), Navi1117_56 (AU6), Paella_103 (FK), Phaila_58 (AU6), PoeMe_56 (AU6), Qui_103 (FK), Stardrop_59 (AU6), Tenney120_56 (AU6), TrixiePhattel_56 (AU6), Uzumaki_52 (AU6), Zeina_56 (AU6),

Start 4:

- Found in 2 of 30 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Onestar_50 (AW), PorkBelly_38 (FJ),

Summary by clusters:

There are 4 clusters represented in this pham: FJ, FK, AW, AU6,

Info for manual annotations of cluster AU6:

- Start number 2 was manually annotated 3 times for cluster AU6.
- Start number 3 was manually annotated 8 times for cluster AU6.

Info for manual annotations of cluster FK:

- Start number 3 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Altjira_57 Start: 35913, Stop: 36110, Start Num: 3

Candidate Starts for Altjira_57:

(Start: 3 @35913 has 11 MA's), (13, 36030), (14, 36054),

Gene: Argan_53 Start: 34620, Stop: 34817, Start Num: 3

Candidate Starts for Argan_53:

(Start: 3 @34620 has 11 MA's), (13, 34737), (14, 34761),

Gene: BarbieDoll_59 Start: 36340, Stop: 36540, Start Num: 2

Candidate Starts for BarbieDoll_59:

(Start: 2 @36340 has 3 MA's), (11, 36424), (13, 36460), (14, 36484),

Gene: Barbonzobean_61 Start: 36603, Stop: 36803, Start Num: 2

Candidate Starts for Barbonzobean_61:
(Start: 2 @36603 has 3 MA's), (11, 36687), (13, 36723), (14, 36747),

Gene: Biscute_55 Start: 35992, Stop: 36192, Start Num: 2
Candidate Starts for Biscute_55:
(Start: 2 @35992 has 3 MA's), (6, 36025), (11, 36076), (13, 36112), (14, 36136),

Gene: Elver_103 Start: 55844, Stop: 56035, Start Num: 3
Candidate Starts for Elver_103:
(Start: 3 @55844 has 11 MA's), (6, 55874), (7, 55892), (9, 55910), (13, 55961), (14, 55985), (15, 55991),

Gene: Gandionco_100 Start: 54700, Stop: 54891, Start Num: 3
Candidate Starts for Gandionco_100:
(Start: 3 @54700 has 11 MA's), (6, 54730), (7, 54748), (9, 54766), (13, 54817), (14, 54841), (15, 54847),

Gene: GantcherGoblin_53 Start: 34694, Stop: 34891, Start Num: 3
Candidate Starts for GantcherGoblin_53:
(Start: 3 @34694 has 11 MA's), (13, 34811), (14, 34835),

Gene: JeNeSaisPas_98 Start: 55274, Stop: 55465, Start Num: 3
Candidate Starts for JeNeSaisPas_98:
(Start: 3 @55274 has 11 MA's), (6, 55304), (7, 55322), (9, 55340), (13, 55391), (14, 55415), (15, 55421),

Gene: KevinMinion_54 Start: 35571, Stop: 35768, Start Num: 3
Candidate Starts for KevinMinion_54:
(Start: 3 @35571 has 11 MA's), (13, 35688), (14, 35712),

Gene: Kinny_58 Start: 36835, Stop: 37035, Start Num: 2
Candidate Starts for Kinny_58:
(Start: 2 @36835 has 3 MA's), (11, 36919), (13, 36955), (14, 36979),

Gene: Kureo_101 Start: 54854, Stop: 55045, Start Num: 3
Candidate Starts for Kureo_101:
(Start: 3 @54854 has 11 MA's), (6, 54884), (7, 54902), (9, 54920), (13, 54971), (14, 54995), (15, 55001),

Gene: Leathea_55 Start: 34458, Stop: 34655, Start Num: 3
Candidate Starts for Leathea_55:
(Start: 3 @34458 has 11 MA's), (11, 34539), (13, 34575), (14, 34599),

Gene: Lewando_58 Start: 36342, Stop: 36542, Start Num: 2
Candidate Starts for Lewando_58:
(Start: 2 @36342 has 3 MA's), (11, 36426), (13, 36462), (14, 36486),

Gene: Mardi_55 Start: 35122, Stop: 35319, Start Num: 3
Candidate Starts for Mardi_55:
(Start: 3 @35122 has 11 MA's), (13, 35239), (14, 35263),

Gene: Marianna39_101 Start: 55269, Stop: 55460, Start Num: 3
Candidate Starts for Marianna39_101:

(Start: 3 @55269 has 11 MA's), (6, 55299), (7, 55317), (9, 55335), (13, 55386), (14, 55410), (15, 55416),

Gene: Muglass_57 Start: 35896, Stop: 36096, Start Num: 2

Candidate Starts for Muglass_57:

(Start: 2 @35896 has 3 MA's), (6, 35929), (11, 35980), (13, 36016), (14, 36040),

Gene: Navi1117_56 Start: 35388, Stop: 35585, Start Num: 3

Candidate Starts for Navi1117_56:

(Start: 3 @35388 has 11 MA's), (13, 35505), (14, 35529),

Gene: Onestar_50 Start: 33377, Stop: 33592, Start Num: 4

Candidate Starts for Onestar_50:

(1, 33296), (4, 33377), (8, 33434), (13, 33491), (14, 33515),

Gene: Paella_103 Start: 56434, Stop: 56625, Start Num: 3

Candidate Starts for Paella_103:

(Start: 3 @56434 has 11 MA's), (6, 56464), (7, 56482), (9, 56500), (13, 56551), (14, 56575), (15, 56581),

Gene: Phaila_58 Start: 34769, Stop: 34966, Start Num: 3

Candidate Starts for Phaila_58:

(Start: 3 @34769 has 11 MA's), (13, 34886), (14, 34910),

Gene: PoeMe_56 Start: 35313, Stop: 35510, Start Num: 3

Candidate Starts for PoeMe_56:

(Start: 3 @35313 has 11 MA's), (13, 35430), (14, 35454),

Gene: PorkBelly_38 Start: 29387, Stop: 29193, Start Num: 4

Candidate Starts for PorkBelly_38:

(4, 29387), (5, 29381), (9, 29324), (10, 29321), (12, 29279), (14, 29249), (15, 29243), (16, 29216),

Gene: Qui_103 Start: 56434, Stop: 56625, Start Num: 3

Candidate Starts for Qui_103:

(Start: 3 @56434 has 11 MA's), (6, 56464), (7, 56482), (9, 56500), (13, 56551), (14, 56575), (15, 56581),

Gene: Renaldo_61 Start: 36651, Stop: 36851, Start Num: 2

Candidate Starts for Renaldo_61:

(Start: 2 @36651 has 3 MA's), (11, 36735), (13, 36771), (14, 36795),

Gene: Stardrop_59 Start: 35415, Stop: 35612, Start Num: 3

Candidate Starts for Stardrop_59:

(Start: 3 @35415 has 11 MA's), (13, 35532), (14, 35556),

Gene: Tenney120_56 Start: 35355, Stop: 35552, Start Num: 3

Candidate Starts for Tenney120_56:

(Start: 3 @35355 has 11 MA's), (13, 35472), (14, 35496),

Gene: TrixiePhattel_56 Start: 34783, Stop: 34980, Start Num: 3

Candidate Starts for TrixiePhattel_56:

(Start: 3 @34783 has 11 MA's), (13, 34900), (14, 34924),

Gene: Uzumaki_52 Start: 34796, Stop: 34993, Start Num: 3
Candidate Starts for Uzumaki_52:
(Start: 3 @34796 has 11 MA's), (13, 34913), (14, 34937),

Gene: Zeina_56 Start: 35363, Stop: 35560, Start Num: 3
Candidate Starts for Zeina_56:
(Start: 3 @35363 has 11 MA's), (13, 35480), (14, 35504),