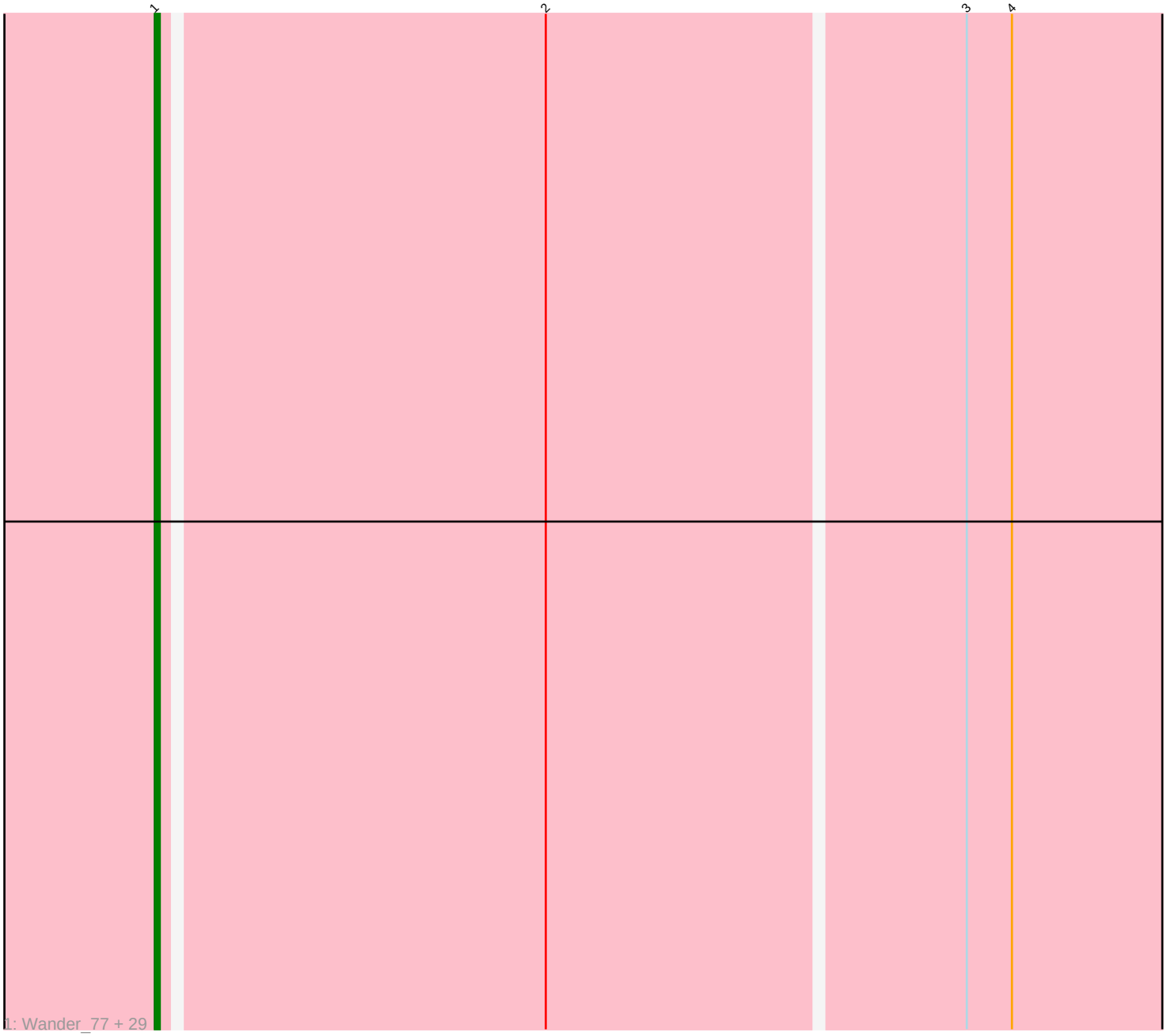
Pham 280724



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 280724 Report

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

Pham number 280724 has 30 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Wander_77, Kratark_76, Iracema64_77, Thanksgivukkah_76, HamSlice_73, Funston_76, Florean_77, Clarenza_76, ChampagnePapi_80, Maxo_79, Cerulean_79, BubbleTrouble_76, Millski_76, Mundrea_76, LappelDuVide_77, Bombshell_77, Avle17_77, Bruiser_76, Maverick_76, Roosevelt_75, Eris_76, JoongJeon_76, Annyong_76, Sultana_77, TinaFeyge_75, KFPoly_76, Phacado_77, Blackmoor_76, Abdiel_76, Palestino_76

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

The start number called the most often in the published annotations is 1, it was called in 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abdiel_76, Annyong_76, Avle17_77, Blackmoor_76, Bombshell_77, Bruiser_76, BubbleTrouble_76, Cerulean_79, ChampagnePapi_80, Clarenza_76, Eris_76, Florean_77, Funston_76, HamSlice_73, Iracema64_77, JoongJeon_76, KFPoly_76, Kratark_76, LappelDuVide_77, Maverick_76, Maxo_79, Millski_76, Mundrea_76, Palestino_76, Phacado_77, Roosevelt_75, Sultana_77, Thanksgivukkah_76, TinaFeyge_75, Wander_77,

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 1:
• Found in 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abdiel_76 (A4), Annyong_76 (A4), Avle17_77 (A4), Blackmoor_76 (A4), Bombshell_77 (A4), Bruiser_76 (A4),

BubbleTrouble_76 (A4), Cerulean_79 (A4), ChampagnePapi_80 (A4), Clarenza_76 (A4), Eris_76 (A4), Florean_77 (A4), Funston_76 (A4), HamSlice_73 (A4), Iracema64_77 (A4), JoongJeon_76 (A4), KFPoly_76 (A4), Kratark_76 (A4), LappelDuVide_77 (A4), Maverick_76 (A4), Maxo_79 (A4), Millski_76 (A4), Mundrea_76 (A4), Palestino_76 (A4), Phacado_77 (A4), Roosevelt_75 (A4), Sultana_77 (A4), Thanksgivukkah_76 (A4), TinaFeyge_75 (A4), Wander_77 (A4),

Summary by clusters:

There is one cluster represented in this pham: A4

Info for manual annotations of cluster A4:
•Start number 1 was manually annotated 30 times for cluster A4.

Gene Information:

Gene: Abdiel_76 Start: 46040, Stop: 45822, Start Num: 1
Candidate Starts for Abdiel_76:
(Start: 1 @46040 has 30 MA's), (2, 45965), (3, 45884), (4, 45875),

Gene: Annyong_76 Start: 46073, Stop: 45855, Start Num: 1
Candidate Starts for Annyong_76:
(Start: 1 @46073 has 30 MA's), (2, 45998), (3, 45917), (4, 45908),

Gene: Avle17_77 Start: 46022, Stop: 45804, Start Num: 1
Candidate Starts for Avle17_77:
(Start: 1 @46022 has 30 MA's), (2, 45947), (3, 45866), (4, 45857),

Gene: Blackmoor_76 Start: 46030, Stop: 45812, Start Num: 1
Candidate Starts for Blackmoor_76:
(Start: 1 @46030 has 30 MA's), (2, 45955), (3, 45874), (4, 45865),

Gene: Bombshell_77 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Bombshell_77:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: Bruiser_76 Start: 46028, Stop: 45810, Start Num: 1
Candidate Starts for Bruiser_76:
(Start: 1 @46028 has 30 MA's), (2, 45953), (3, 45872), (4, 45863),

Gene: BubbleTrouble_76 Start: 46055, Stop: 45837, Start Num: 1
Candidate Starts for BubbleTrouble_76:
(Start: 1 @46055 has 30 MA's), (2, 45980), (3, 45899), (4, 45890),

Gene: Cerulean_79 Start: 46466, Stop: 46248, Start Num: 1
Candidate Starts for Cerulean_79:
(Start: 1 @46466 has 30 MA's), (2, 46391), (3, 46310), (4, 46301),

Gene: ChampagnePapi_80 Start: 46468, Stop: 46250, Start Num: 1
Candidate Starts for ChampagnePapi_80:
(Start: 1 @46468 has 30 MA's), (2, 46393), (3, 46312), (4, 46303),

Gene: Clarenza_76 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Clarenza_76:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: Eris_76 Start: 46040, Stop: 45822, Start Num: 1
Candidate Starts for Eris_76:
(Start: 1 @46040 has 30 MA's), (2, 45965), (3, 45884), (4, 45875),

Gene: Florean_77 Start: 46027, Stop: 45809, Start Num: 1
Candidate Starts for Florean_77:
(Start: 1 @46027 has 30 MA's), (2, 45952), (3, 45871), (4, 45862),

Gene: Funston_76 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Funston_76:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: HamSlice_73 Start: 46027, Stop: 45809, Start Num: 1
Candidate Starts for HamSlice_73:
(Start: 1 @46027 has 30 MA's), (2, 45952), (3, 45871), (4, 45862),

Gene: Iracema64_77 Start: 46292, Stop: 46074, Start Num: 1
Candidate Starts for Iracema64_77:
(Start: 1 @46292 has 30 MA's), (2, 46217), (3, 46136), (4, 46127),

Gene: JoongJeon_76 Start: 46022, Stop: 45804, Start Num: 1
Candidate Starts for JoongJeon_76:
(Start: 1 @46022 has 30 MA's), (2, 45947), (3, 45866), (4, 45857),

Gene: KFPoly_76 Start: 46022, Stop: 45804, Start Num: 1
Candidate Starts for KFPoly_76:
(Start: 1 @46022 has 30 MA's), (2, 45947), (3, 45866), (4, 45857),

Gene: Kratark_76 Start: 46062, Stop: 45844, Start Num: 1
Candidate Starts for Kratark_76:
(Start: 1 @46062 has 30 MA's), (2, 45987), (3, 45906), (4, 45897),

Gene: LappelDuVide_77 Start: 46028, Stop: 45810, Start Num: 1
Candidate Starts for LappelDuVide_77:
(Start: 1 @46028 has 30 MA's), (2, 45953), (3, 45872), (4, 45863),

Gene: Maverick_76 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Maverick_76:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: Maxo_79 Start: 46031, Stop: 45813, Start Num: 1
Candidate Starts for Maxo_79:
(Start: 1 @46031 has 30 MA's), (2, 45956), (3, 45875), (4, 45866),

Gene: Millski_76 Start: 46029, Stop: 45811, Start Num: 1
Candidate Starts for Millski_76:
(Start: 1 @46029 has 30 MA's), (2, 45954), (3, 45873), (4, 45864),

Gene: Mundrea_76 Start: 46088, Stop: 45867, Start Num: 1
Candidate Starts for Mundrea_76:
(Start: 1 @46088 has 30 MA's), (2, 46010), (3, 45929), (4, 45920),

Gene: Palestino_76 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Palestino_76:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: Phacado_77 Start: 46024, Stop: 45806, Start Num: 1
Candidate Starts for Phacado_77:
(Start: 1 @46024 has 30 MA's), (2, 45949), (3, 45868), (4, 45859),

Gene: Roosevelt_75 Start: 46030, Stop: 45812, Start Num: 1
Candidate Starts for Roosevelt_75:
(Start: 1 @46030 has 30 MA's), (2, 45955), (3, 45874), (4, 45865),

Gene: Sultana_77 Start: 46025, Stop: 45807, Start Num: 1
Candidate Starts for Sultana_77:
(Start: 1 @46025 has 30 MA's), (2, 45950), (3, 45869), (4, 45860),

Gene: Thanksgivukkah_76 Start: 46026, Stop: 45808, Start Num: 1
Candidate Starts for Thanksgivukkah_76:
(Start: 1 @46026 has 30 MA's), (2, 45951), (3, 45870), (4, 45861),

Gene: TinaFeyge_75 Start: 46023, Stop: 45805, Start Num: 1
Candidate Starts for TinaFeyge_75:
(Start: 1 @46023 has 30 MA's), (2, 45948), (3, 45867), (4, 45858),

Gene: Wander_77 Start: 46022, Stop: 45804, Start Num: 1
Candidate Starts for Wander_77:
(Start: 1 @46022 has 30 MA's), (2, 45947), (3, 45866), (4, 45857),