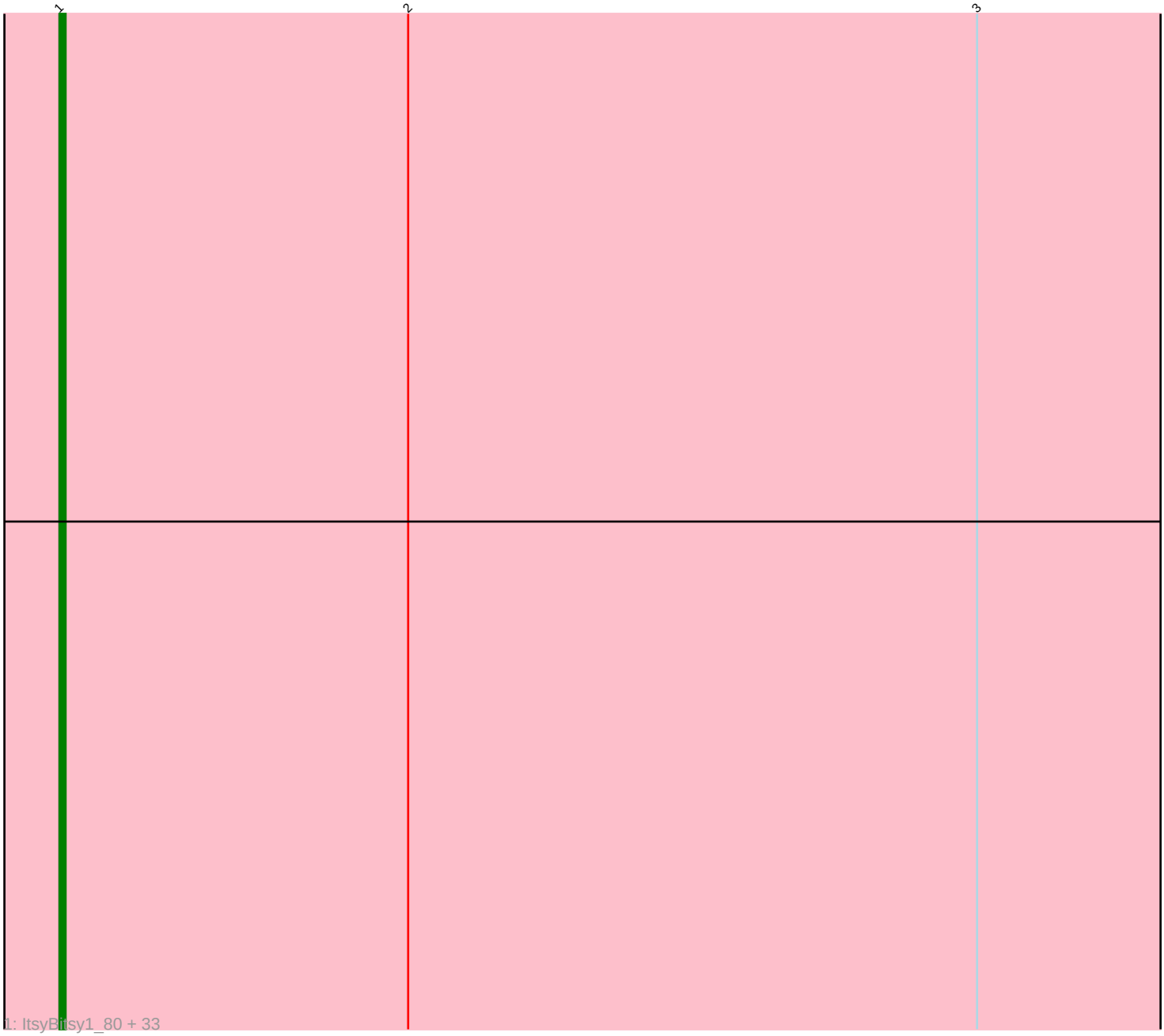
Pham 2526



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 2526 Report

This analysis was run 04/28/24 on database version 559.

Pham number 2526 has 34 members, 2 are drafts.

Phages represented in each track:
• Track 1 : ItsyBitsy1_80, West99_83, LizLemon_83, Holeinone_83, Arbiter_80, TA17A_84, Glass_85, Allegro_83, FrenchFry_84, Kaleb_83, Qyrzula_74, Boyle_83, Calamitous_84, MasterPo_84, Faze9_82, Tres_83, Ares_83, Kheth_83, Bananafish_84, Coffee_82, Sabella_83, Brownie5_83, Tinciduntsolum_84, Laurie_82, Rhinoforte_83, Opia_84, Phantasmagoria_82, Lars_84, Hedgerow_83, Godines_83, Blocker23_83, Rosebush_81, Lephleur_83, Eaglehorse_83

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Allegro_83, Arbiter_80, Ares_83, Bananafish_84, Blocker23_83, Boyle_83, Brownie5_83, Calamitous_84, Coffee_82, Eaglehorse_83, Faze9_82, FrenchFry_84, Glass_85, Godines_83, Hedgerow_83, Holeinone_83, ItsyBitsy1_80, Kaleb_83, Kheth_83, Lars_84, Laurie_82, Lephleur_83, LizLemon_83, MasterPo_84, Opia_84, Phantasmagoria_82, Qyrzula_74, Rhinoforte_83, Rosebush_81, Sabella_83, TA17A_84, Tinciduntsolum_84, Tres_83, West99_83,

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 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 32
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Allegro_83 (B2), Arbiter_80 (B2), Ares_83 (B2), Bananafish_84 (B2), Blocker23_83 (B2), Boyle_83 (B2), Brownie5_83

(B2), Calamitous_84 (B2), Coffee_82 (B2), Eaglehorse_83 (B2), Faze9_82 (B2), FrenchFry_84 (B2), Glass_85 (B2), Godines_83 (B2), Hedgerow_83 (B2), Holeinone_83 (B2), ItsyBitsy1_80 (B2), Kaleb_83 (B2), Kheth_83 (B2), Lars_84 (B2), Laurie_82 (B2), Lephleur_83 (B2), LizLemon_83 (B2), MasterPo_84 (B2), Opia_84 (B2), Phantasmagoria_82 (B2), Qyrzula_74 (B2), Rhinoforte_83 (B2), Rosebush_81 (B2), Sabella_83 (B2), TA17A_84 (B2), Tinciduntsolum_84 (B2), Tres_83 (B2), West99_83 (B2),

Summary by clusters:

There is one cluster represented in this pham: B2

Info for manual annotations of cluster B2:
•Start number 1 was manually annotated 32 times for cluster B2.

Gene Information:

Gene: Allegro_83 Start: 63071, Stop: 62850, Start Num: 1
Candidate Starts for Allegro_83:
(Start: 1 @63071 has 32 MA's), (2, 63014), (3, 62921),

Gene: Arbiter_80 Start: 63111, Stop: 62890, Start Num: 1
Candidate Starts for Arbiter_80:
(Start: 1 @63111 has 32 MA's), (2, 63054), (3, 62961),

Gene: Ares_83 Start: 63070, Stop: 62849, Start Num: 1
Candidate Starts for Ares_83:
(Start: 1 @63070 has 32 MA's), (2, 63013), (3, 62920),

Gene: Bananafish_84 Start: 63007, Stop: 62786, Start Num: 1
Candidate Starts for Bananafish_84:
(Start: 1 @63007 has 32 MA's), (2, 62950), (3, 62857),

Gene: Blocker23_83 Start: 63071, Stop: 62850, Start Num: 1
Candidate Starts for Blocker23_83:
(Start: 1 @63071 has 32 MA's), (2, 63014), (3, 62921),

Gene: Boyle_83 Start: 63119, Stop: 62898, Start Num: 1
Candidate Starts for Boyle_83:
(Start: 1 @63119 has 32 MA's), (2, 63062), (3, 62969),

Gene: Brownie5_83 Start: 63119, Stop: 62898, Start Num: 1
Candidate Starts for Brownie5_83:
(Start: 1 @63119 has 32 MA's), (2, 63062), (3, 62969),

Gene: Calamitous_84 Start: 63002, Stop: 62781, Start Num: 1
Candidate Starts for Calamitous_84:
(Start: 1 @63002 has 32 MA's), (2, 62945), (3, 62852),

Gene: Coffee_82 Start: 63112, Stop: 62891, Start Num: 1
Candidate Starts for Coffee_82:

(Start: 1 @63112 has 32 MA's), (2, 63055), (3, 62962),

Gene: Eaglehorse_83 Start: 62996, Stop: 62775, Start Num: 1
Candidate Starts for Eaglehorse_83:
(Start: 1 @62996 has 32 MA's), (2, 62939), (3, 62846),

Gene: Faze9_82 Start: 63134, Stop: 62913, Start Num: 1
Candidate Starts for Faze9_82:
(Start: 1 @63134 has 32 MA's), (2, 63077), (3, 62984),

Gene: FrenchFry_84 Start: 63121, Stop: 62900, Start Num: 1
Candidate Starts for FrenchFry_84:
(Start: 1 @63121 has 32 MA's), (2, 63064), (3, 62971),

Gene: Glass_85 Start: 63128, Stop: 62907, Start Num: 1
Candidate Starts for Glass_85:
(Start: 1 @63128 has 32 MA's), (2, 63071), (3, 62978),

Gene: Godines_83 Start: 63034, Stop: 62813, Start Num: 1
Candidate Starts for Godines_83:
(Start: 1 @63034 has 32 MA's), (2, 62977), (3, 62884),

Gene: Hedgerow_83 Start: 63085, Stop: 62864, Start Num: 1
Candidate Starts for Hedgerow_83:
(Start: 1 @63085 has 32 MA's), (2, 63028), (3, 62935),

Gene: Holeinone_83 Start: 62975, Stop: 62754, Start Num: 1
Candidate Starts for Holeinone_83:
(Start: 1 @62975 has 32 MA's), (2, 62918), (3, 62825),

Gene: ItsyBitsy1_80 Start: 63202, Stop: 62981, Start Num: 1
Candidate Starts for ItsyBitsy1_80:
(Start: 1 @63202 has 32 MA's), (2, 63145), (3, 63052),

Gene: Kaleb_83 Start: 63131, Stop: 62910, Start Num: 1
Candidate Starts for Kaleb_83:
(Start: 1 @63131 has 32 MA's), (2, 63074), (3, 62981),

Gene: Kheth_83 Start: 63036, Stop: 62815, Start Num: 1
Candidate Starts for Kheth_83:
(Start: 1 @63036 has 32 MA's), (2, 62979), (3, 62886),

Gene: Lars_84 Start: 63100, Stop: 62879, Start Num: 1
Candidate Starts for Lars_84:
(Start: 1 @63100 has 32 MA's), (2, 63043), (3, 62950),

Gene: Laurie_82 Start: 62438, Stop: 62217, Start Num: 1
Candidate Starts for Laurie_82:
(Start: 1 @62438 has 32 MA's), (2, 62381), (3, 62288),

Gene: Lephleur_83 Start: 62956, Stop: 62735, Start Num: 1
Candidate Starts for Lephleur_83:
(Start: 1 @62956 has 32 MA's), (2, 62899), (3, 62806),

Gene: LizLemon_83 Start: 63127, Stop: 62906, Start Num: 1
Candidate Starts for LizLemon_83:
(Start: 1 @63127 has 32 MA's), (2, 63070), (3, 62977),

Gene: MasterPo_84 Start: 62996, Stop: 62775, Start Num: 1
Candidate Starts for MasterPo_84:
(Start: 1 @62996 has 32 MA's), (2, 62939), (3, 62846),

Gene: Opia_84 Start: 63020, Stop: 62799, Start Num: 1
Candidate Starts for Opia_84:
(Start: 1 @63020 has 32 MA's), (2, 62963), (3, 62870),

Gene: Phantasmagoria_82 Start: 63003, Stop: 62782, Start Num: 1
Candidate Starts for Phantasmagoria_82:
(Start: 1 @63003 has 32 MA's), (2, 62946), (3, 62853),

Gene: Qyrzula_74 Start: 63142, Stop: 62921, Start Num: 1
Candidate Starts for Qyrzula_74:
(Start: 1 @63142 has 32 MA's), (2, 63085), (3, 62992),

Gene: Rhinoforte_83 Start: 63039, Stop: 62818, Start Num: 1
Candidate Starts for Rhinoforte_83:
(Start: 1 @63039 has 32 MA's), (2, 62982), (3, 62889),

Gene: Rosebush_81 Start: 63111, Stop: 62890, Start Num: 1
Candidate Starts for Rosebush_81:
(Start: 1 @63111 has 32 MA's), (2, 63054), (3, 62961),

Gene: Sabella_83 Start: 62947, Stop: 62726, Start Num: 1
Candidate Starts for Sabella_83:
(Start: 1 @62947 has 32 MA's), (2, 62890), (3, 62797),

Gene: TA17A_84 Start: 62954, Stop: 62733, Start Num: 1
Candidate Starts for TA17A_84:
(Start: 1 @62954 has 32 MA's), (2, 62897), (3, 62804),

Gene: Tinciduntsolum_84 Start: 63118, Stop: 62897, Start Num: 1
Candidate Starts for Tinciduntsolum_84:
(Start: 1 @63118 has 32 MA's), (2, 63061), (3, 62968),

Gene: Tres_83 Start: 62969, Stop: 62748, Start Num: 1
Candidate Starts for Tres_83:
(Start: 1 @62969 has 32 MA's), (2, 62912), (3, 62819),

Gene: West99_83 Start: 63141, Stop: 62920, Start Num: 1
Candidate Starts for West99_83:
(Start: 1 @63141 has 32 MA's), (2, 63084), (3, 62991),