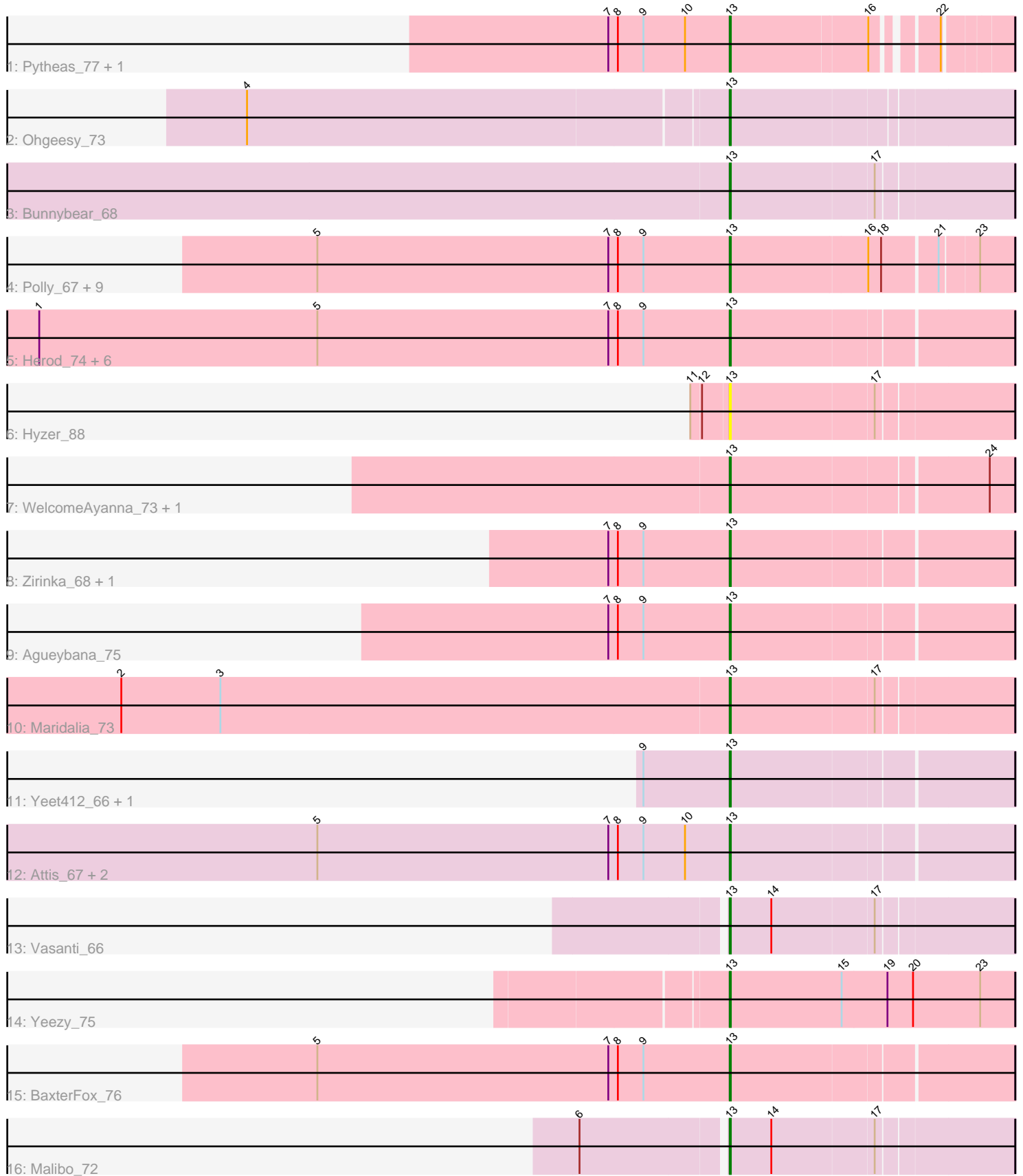


Pham 86094



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 86094 Report

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

Pham number 86094 has 37 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Pytheas_77, Jablanski_76
- Track 2 : Ohgeesy_73
- Track 3 : Bunnybear_68
- Track 4 : Polly_67, Trumpet_70, Neobush_72, Zameen_70, Kita_71, Manasvini_72, Suscepit_70, Antonio_69, Eudoria_70, Tayonia_70
- Track 5 : Herod_74, Eviarto_74, PantheRoc_77, Hugley_72, BatStarr_73, TimTam_74, Nymphadora_74
- Track 6 : Hyzer_88
- Track 7 : WelcomeAyanna_73, ThankyouJordi_73
- Track 8 : Zirinka_68, Bialota_68
- Track 9 : Agueybana_75
- Track 10 : Maridalia_73
- Track 11 : Yeet412_66, Nettuno_65
- Track 12 : Attis_67, LordFarquaad_70, SoilAssassin_67
- Track 13 : Vasanti_66
- Track 14 : Yeezy_75
- Track 15 : BaxterFox_76
- Track 16 : Malibo_72

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

The start number called the most often in the published annotations is 13, it was called in 34 of the 34 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agueybana_75, Antonio_69, Attis_67, BatStarr_73, BaxterFox_76, Bialota_68, Bunnybear_68, Eudoria_70, Eviarto_74, Herod_74, Hugley_72, Hyzer_88, Jablanski_76, Kita_71, LordFarquaad_70, Malibo_72, Manasvini_72, Maridalia_73, Neobush_72, Nettuno_65, Nymphadora_74, Ohgeesy_73, PantheRoc_77, Polly_67, Pytheas_77, SoilAssassin_67, Suscepit_70, Tayonia_70, ThankyouJordi_73, TimTam_74, Trumpet_70, Vasanti_66, WelcomeAyanna_73, Yeet412_66, Yeezy_75, Zameen_70, Zirinka_68,

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 13:

- Found in 37 of 37 (100.0%) of genes in pham
- Manual Annotations of this start: 34 of 34
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agueybana_75 (CZ1), Antonio_69 (CZ1), Attis_67 (CZ2), BatStarr_73 (CZ1), BaxterFox_76 (CZ3), Bialota_68 (CZ1), Bunnybear_68 (CZ), Eudoria_70 (CZ1), Eviarto_74 (CZ1), Herod_74 (CZ1), Hugley_72 (CZ1), Hyzer_88 (CZ1), Jablanski_76 (CY), Kita_71 (CZ1), LordFarquaad_70 (CZ2), Malibo_72 (DW), Manasvini_72 (CZ1), Maridalia_73 (CZ1), Neobush_72 (CZ1), Nettuno_65 (CZ2), Nymphadora_74 (CZ1), Ohgeesy_73 (CZ), PantheRoc_77 (CZ3), Polly_67 (CZ1), Pytheas_77 (CY), SoilAssassin_67 (CZ2), Suscepit_70 (CZ1), Tayonia_70 (CZ1), ThankyouJordi_73 (CZ1), TimTam_74 (CZ1), Trumpet_70 (CZ1), Vasanti_66 (CZ2), WelcomeAyanna_73 (CZ1), Yeet412_66 (CZ2), Yeezy_75 (CZ3), Zameen_70 (CZ1), Zirinka_68 (CZ1),

Summary by clusters:

There are 6 clusters represented in this pham: CZ2, CZ3, CZ1, CZ, CY, DW,

Info for manual annotations of cluster CY:

- Start number 13 was manually annotated 2 times for cluster CY.

Info for manual annotations of cluster CZ:

- Start number 13 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 13 was manually annotated 21 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 13 was manually annotated 6 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 13 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster DW:

- Start number 13 was manually annotated 1 time for cluster DW.

Gene Information:

Gene: Agueybana_75 Start: 48870, Stop: 49124, Start Num: 13

Candidate Starts for Agueybana_75:

(7, 48756), (8, 48765), (9, 48789), (Start: 13 @48870 has 34 MA's),

Gene: Antonio_69 Start: 46312, Stop: 46560, Start Num: 13

Candidate Starts for Antonio_69:

(5, 45925), (7, 46198), (8, 46207), (9, 46231), (Start: 13 @46312 has 34 MA's), (16, 46435), (18, 46447), (21, 46495), (23, 46528),

Gene: Attis_67 Start: 45029, Stop: 45283, Start Num: 13

Candidate Starts for Attis_67:

(5, 44642), (7, 44915), (8, 44924), (9, 44948), (10, 44987), (Start: 13 @45029 has 34 MA's),

Gene: BatStarr_73 Start: 49274, Stop: 49528, Start Num: 13

Candidate Starts for BatStarr_73:

(1, 48626), (5, 48887), (7, 49160), (8, 49169), (9, 49193), (Start: 13 @49274 has 34 MA's),

Gene: BaxterFox_76 Start: 49858, Stop: 50112, Start Num: 13

Candidate Starts for BaxterFox_76:

(5, 49471), (7, 49744), (8, 49753), (9, 49777), (Start: 13 @49858 has 34 MA's),

Gene: Bialota_68 Start: 47986, Stop: 48240, Start Num: 13

Candidate Starts for Bialota_68:

(7, 47872), (8, 47881), (9, 47905), (Start: 13 @47986 has 34 MA's),

Gene: Bunnybear_68 Start: 47539, Stop: 47793, Start Num: 13

Candidate Starts for Bunnybear_68:

(Start: 13 @47539 has 34 MA's), (17, 47671),

Gene: Eudoria_70 Start: 46312, Stop: 46560, Start Num: 13

Candidate Starts for Eudoria_70:

(5, 45925), (7, 46198), (8, 46207), (9, 46231), (Start: 13 @46312 has 34 MA's), (16, 46435), (18, 46447), (21, 46495), (23, 46528),

Gene: Eviarto_74 Start: 49249, Stop: 49503, Start Num: 13

Candidate Starts for Eviarto_74:

(1, 48601), (5, 48862), (7, 49135), (8, 49144), (9, 49168), (Start: 13 @49249 has 34 MA's),

Gene: Herod_74 Start: 49668, Stop: 49922, Start Num: 13

Candidate Starts for Herod_74:

(1, 49020), (5, 49281), (7, 49554), (8, 49563), (9, 49587), (Start: 13 @49668 has 34 MA's),

Gene: Hugley_72 Start: 49648, Stop: 49902, Start Num: 13

Candidate Starts for Hugley_72:

(1, 49000), (5, 49261), (7, 49534), (8, 49543), (9, 49567), (Start: 13 @49648 has 34 MA's),

Gene: Hyzer_88 Start: 56116, Stop: 56370, Start Num: 13

Candidate Starts for Hyzer_88:

(11, 56083), (12, 56092), (Start: 13 @56116 has 34 MA's), (17, 56248),

Gene: Jablanski_76 Start: 50790, Stop: 51017, Start Num: 13

Candidate Starts for Jablanski_76:

(7, 50676), (8, 50685), (9, 50709), (10, 50748), (Start: 13 @50790 has 34 MA's), (16, 50913), (22, 50961),

Gene: Kita_71 Start: 46321, Stop: 46569, Start Num: 13

Candidate Starts for Kita_71:

(5, 45934), (7, 46207), (8, 46216), (9, 46240), (Start: 13 @46321 has 34 MA's), (16, 46444), (18, 46456), (21, 46504), (23, 46537),

Gene: LordFarquaad_70 Start: 45010, Stop: 45264, Start Num: 13

Candidate Starts for LordFarquaad_70:

(5, 44623), (7, 44896), (8, 44905), (9, 44929), (10, 44968), (Start: 13 @45010 has 34 MA's),

Gene: Malibo_72 Start: 47423, Stop: 47677, Start Num: 13

Candidate Starts for Malibo_72:

(6, 47294), (Start: 13 @47423 has 34 MA's), (14, 47462), (17, 47555),

Gene: Manasvini_72 Start: 46336, Stop: 46584, Start Num: 13

Candidate Starts for Manasvini_72:

(5, 45949), (7, 46222), (8, 46231), (9, 46255), (Start: 13 @46336 has 34 MA's), (16, 46459), (18, 46471), (21, 46519), (23, 46552),

Gene: Maridalia_73 Start: 47551, Stop: 47805, Start Num: 13

Candidate Starts for Maridalia_73:

(2, 46984), (3, 47077), (Start: 13 @47551 has 34 MA's), (17, 47683),

Gene: Neobush_72 Start: 46880, Stop: 47128, Start Num: 13

Candidate Starts for Neobush_72:

(5, 46493), (7, 46766), (8, 46775), (9, 46799), (Start: 13 @46880 has 34 MA's), (16, 47003), (18, 47015), (21, 47063), (23, 47096),

Gene: Nettuno_65 Start: 41787, Stop: 42041, Start Num: 13

Candidate Starts for Nettuno_65:

(9, 41706), (Start: 13 @41787 has 34 MA's),

Gene: Nymphadora_74 Start: 49273, Stop: 49527, Start Num: 13

Candidate Starts for Nymphadora_74:

(1, 48625), (5, 48886), (7, 49159), (8, 49168), (9, 49192), (Start: 13 @49273 has 34 MA's),

Gene: Ohgeesy_73 Start: 48753, Stop: 49007, Start Num: 13

Candidate Starts for Ohgeesy_73:

(4, 48312), (Start: 13 @48753 has 34 MA's),

Gene: PantheRoc_77 Start: 48967, Stop: 49221, Start Num: 13

Candidate Starts for PantheRoc_77:

(1, 48319), (5, 48580), (7, 48853), (8, 48862), (9, 48886), (Start: 13 @48967 has 34 MA's),

Gene: Polly_67 Start: 45755, Stop: 46003, Start Num: 13

Candidate Starts for Polly_67:

(5, 45368), (7, 45641), (8, 45650), (9, 45674), (Start: 13 @45755 has 34 MA's), (16, 45878), (18, 45890), (21, 45938), (23, 45971),

Gene: Pytheas_77 Start: 50789, Stop: 51016, Start Num: 13

Candidate Starts for Pytheas_77:

(7, 50675), (8, 50684), (9, 50708), (10, 50747), (Start: 13 @50789 has 34 MA's), (16, 50912), (22, 50960),

Gene: SoilAssassin_67 Start: 45028, Stop: 45282, Start Num: 13

Candidate Starts for SoilAssassin_67:

(5, 44641), (7, 44914), (8, 44923), (9, 44947), (10, 44986), (Start: 13 @45028 has 34 MA's),

Gene: Suscepit_70 Start: 46313, Stop: 46561, Start Num: 13

Candidate Starts for Suscepit_70:

(5, 45926), (7, 46199), (8, 46208), (9, 46232), (Start: 13 @46313 has 34 MA's), (16, 46436), (18, 46448), (21, 46496), (23, 46529),

Gene: Tayonia_70 Start: 46312, Stop: 46560, Start Num: 13

Candidate Starts for Tayonia_70:

(5, 45925), (7, 46198), (8, 46207), (9, 46231), (Start: 13 @46312 has 34 MA's), (16, 46435), (18, 46447), (21, 46495), (23, 46528),

Gene: ThankyouJordi_73 Start: 49679, Stop: 49933, Start Num: 13

Candidate Starts for ThankyouJordi_73:

(Start: 13 @49679 has 34 MA's), (24, 49910),

Gene: TimTam_74 Start: 49273, Stop: 49527, Start Num: 13

Candidate Starts for TimTam_74:

(1, 48625), (5, 48886), (7, 49159), (8, 49168), (9, 49192), (Start: 13 @49273 has 34 MA's),

Gene: Trumpet_70 Start: 46313, Stop: 46561, Start Num: 13

Candidate Starts for Trumpet_70:

(5, 45926), (7, 46199), (8, 46208), (9, 46232), (Start: 13 @46313 has 34 MA's), (16, 46436), (18, 46448), (21, 46496), (23, 46529),

Gene: Vasanti_66 Start: 44005, Stop: 44259, Start Num: 13

Candidate Starts for Vasanti_66:

(Start: 13 @44005 has 34 MA's), (14, 44044), (17, 44137),

Gene: WelcomeAyanna_73 Start: 49826, Stop: 50080, Start Num: 13

Candidate Starts for WelcomeAyanna_73:

(Start: 13 @49826 has 34 MA's), (24, 50057),

Gene: Yeet412_66 Start: 43832, Stop: 44086, Start Num: 13

Candidate Starts for Yeet412_66:

(9, 43751), (Start: 13 @43832 has 34 MA's),

Gene: Yeezy_75 Start: 47208, Stop: 47474, Start Num: 13

Candidate Starts for Yeezy_75:

(Start: 13 @47208 has 34 MA's), (15, 47313), (19, 47355), (20, 47379), (23, 47442),

Gene: Zameen_70 Start: 46312, Stop: 46560, Start Num: 13

Candidate Starts for Zameen_70:

(5, 45925), (7, 46198), (8, 46207), (9, 46231), (Start: 13 @46312 has 34 MA's), (16, 46435), (18, 46447), (21, 46495), (23, 46528),

Gene: Zirinka_68 Start: 47974, Stop: 48228, Start Num: 13

Candidate Starts for Zirinka_68:

(7, 47860), (8, 47869), (9, 47893), (Start: 13 @47974 has 34 MA's),