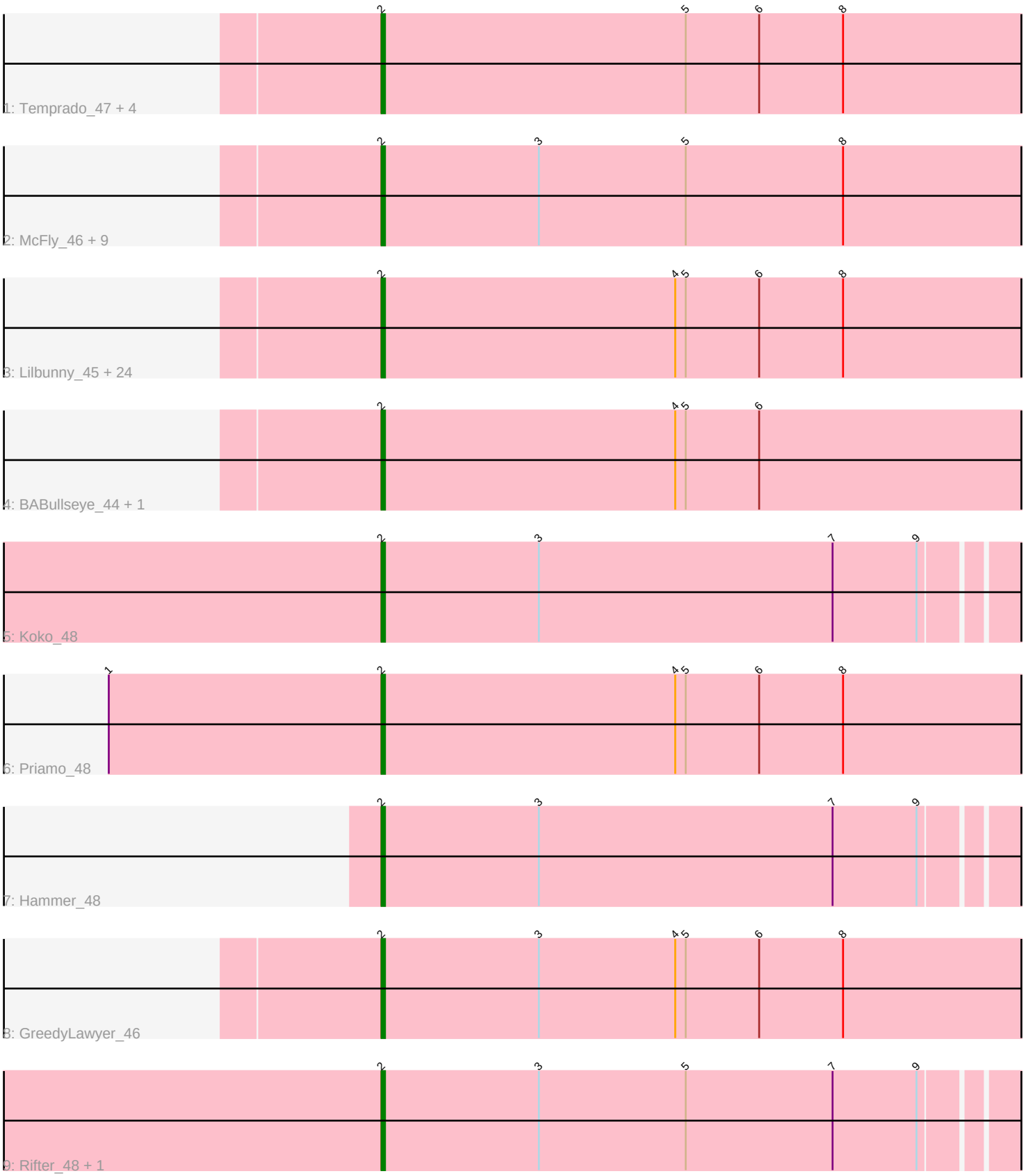
Pham 283910


2
5
6
8
1: Temprado_47 + 4
2
3
5
8
2: McFly_46 + 9
2
4
5
6
8
3: Lilbunny_45 + 24
2
4
5
6
4: BABullseye_44 + 1
2
3
7
9
5: Koko_48
1
2
4
5
6
8
6: Priamo_48
2
3
7
9
7: Hammer_48
2
3
4
5
6
8
8: GreedyLawyer_46
2
3
5
7
9
9: Rifter_48 + 1

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 283910 Report

This analysis was run 02/23/26 on database version 636.

Pham number 283910 has 48 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Temprado_47, Indra_49, Helmet_48, Garak_48, Polyphemus_47
• Track 2 : McFly_46, Kazan_47, BennyP_47, Dorothea_46, EricB_46, SmellyB_46, Hoot_46, VohminGhazi_46, Candra_46, Kipper29_46
• Track 3 : Lilbunny_45, Zaka_46, Artemis2UCLA_46, ToneTone_43, Isiphiwo_44, Tucker_47, Roksolana_47, DaVinci_46, Wiks_45, Pmask_46, Chartreuse_46, Hexamo_46, Yokurt_46, WunderPhul_46, Jeffabunny_46, Neeharika16_46, JewelBug_48, BlessJoy_47, Jordennis_46, SuperAwesome_46, Zulu_47, CloudWang3_46, Cookiedough_46, Newrala_46, Gruunaga_46
• Track 4 : BABullseye_44, Blinn1_49
• Track 5 : Koko_48
• Track 6 : Priamo_48
• Track 7 : Hammer_48
• Track 8 : GreedyLawyer_46
• Track 9 : Rifter_48, Blue7_49

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 45 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artemis2UCLA_46, BABullseye_44, BennyP_47, BlessJoy_47, Blinn1_49, Blue7_49, Candra_46, Chartreuse_46, CloudWang3_46, Cookiedough_46, DaVinci_46, Dorothea_46, EricB_46, Garak_48, GreedyLawyer_46, Gruunaga_46, Hammer_48, Helmet_48, Hexamo_46, Hoot_46, Indra_49, Isiphiwo_44, Jeffabunny_46, JewelBug_48, Jordennis_46, Kazan_47, Kipper29_46, Koko_48, Lilbunny_45, McFly_46, Neeharika16_46, Newrala_46, Pmask_46, Polyphemus_47, Priamo_48, Rifter_48, Roksolana_47, SmellyB_46, SuperAwesome_46, Temprado_47, ToneTone_43, Tucker_47, VohminGhazi_46, Wiks_45, WunderPhul_46, Yokurt_46, Zaka_46, Zulu_47,

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 48 of 48 (100.0%) of genes in pham
• Manual Annotations of this start: 45 of 45
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artemis2UCLA_46 (A6), BABullseye_44 (A6), BennyP_47 (A6), BlessJoy_47 (A6), Blinn1_49 (A6), Blue7_49 (A6), Candra_46 (A6), Chartreuse_46 (A6), CloudWang3_46 (A6), Cookiedough_46 (A6), DaVinci_46 (A6), Dorothea_46 (A6), EricB_46 (A6), Garak_48 (A6), GreedyLawyer_46 (A6), Gruunaga_46 (A6), Hammer_48 (A6), Helmet_48 (A6), Hexamo_46 (A6), Hoot_46 (A6), Indra_49 (A6), Isiphiwo_44 (A6), Jeffabunny_46 (A6), JewelBug_48 (A6), Jordennis_46 (A6), Kazan_47 (A6), Kipper29_46 (A6), Koko_48 (A6), Lilbunny_45 (A6), McFly_46 (A6), Neeharika16_46 (A6), Newrala_46 (A6), Pmask_46 (A6), Polyphemus_47 (A6), Priamo_48 (A6), Rifter_48 (A6), Roksolana_47 (A6), SmellyB_46 (A6), SuperAwesome_46 (A6), Temprado_47 (A6), ToneTone_43 (A6), Tucker_47 (A6), VohminGhazi_46 (A6), Wiks_45 (A6), WunderPhul_46 (A6), Yokurt_46 (A6), Zaka_46 (A6), Zulu_47 (A6),

Summary by clusters:

There is one cluster represented in this pham: A6

Info for manual annotations of cluster A6:
•Start number 2 was manually annotated 45 times for cluster A6.

Gene Information:

Gene: Artemis2UCLA_46 Start: 29520, Stop: 29332, Start Num: 2
Candidate Starts for Artemis2UCLA_46:
(Start: 2 @29520 has 45 MA's), (4, 29436), (5, 29433), (6, 29412), (8, 29388),

Gene: BABullseye_44 Start: 29366, Stop: 29178, Start Num: 2
Candidate Starts for BABullseye_44:
(Start: 2 @29366 has 45 MA's), (4, 29282), (5, 29279), (6, 29258),

Gene: BennyP_47 Start: 29968, Stop: 29780, Start Num: 2
Candidate Starts for BennyP_47:
(Start: 2 @29968 has 45 MA's), (3, 29923), (5, 29881), (8, 29836),

Gene: BlessJoy_47 Start: 29981, Stop: 29793, Start Num: 2
Candidate Starts for BlessJoy_47:
(Start: 2 @29981 has 45 MA's), (4, 29897), (5, 29894), (6, 29873), (8, 29849),

Gene: Blinn1_49 Start: 30331, Stop: 30152, Start Num: 2
Candidate Starts for Blinn1_49:
(Start: 2 @30331 has 45 MA's), (4, 30247), (5, 30244), (6, 30223),

Gene: Blue7_49 Start: 30167, Stop: 29988, Start Num: 2
Candidate Starts for Blue7_49:
(Start: 2 @30167 has 45 MA's), (3, 30122), (5, 30080), (7, 30038), (9, 30014),

Gene: Candra_46 Start: 29859, Stop: 29671, Start Num: 2
Candidate Starts for Candra_46:
(Start: 2 @29859 has 45 MA's), (3, 29814), (5, 29772), (8, 29727),

Gene: Chartreuse_46 Start: 29770, Stop: 29582, Start Num: 2
Candidate Starts for Chartreuse_46:
(Start: 2 @29770 has 45 MA's), (4, 29686), (5, 29683), (6, 29662), (8, 29638),

Gene: CloudWang3_46 Start: 29620, Stop: 29432, Start Num: 2
Candidate Starts for CloudWang3_46:
(Start: 2 @29620 has 45 MA's), (4, 29536), (5, 29533), (6, 29512), (8, 29488),

Gene: Cookiedough_46 Start: 29835, Stop: 29647, Start Num: 2
Candidate Starts for Cookiedough_46:
(Start: 2 @29835 has 45 MA's), (4, 29751), (5, 29748), (6, 29727), (8, 29703),

Gene: DaVinci_46 Start: 29824, Stop: 29636, Start Num: 2
Candidate Starts for DaVinci_46:
(Start: 2 @29824 has 45 MA's), (4, 29740), (5, 29737), (6, 29716), (8, 29692),

Gene: Dorothea_46 Start: 29842, Stop: 29654, Start Num: 2
Candidate Starts for Dorothea_46:
(Start: 2 @29842 has 45 MA's), (3, 29797), (5, 29755), (8, 29710),

Gene: EricB_46 Start: 29816, Stop: 29628, Start Num: 2
Candidate Starts for EricB_46:
(Start: 2 @29816 has 45 MA's), (3, 29771), (5, 29729), (8, 29684),

Gene: Garak_48 Start: 29987, Stop: 29799, Start Num: 2
Candidate Starts for Garak_48:
(Start: 2 @29987 has 45 MA's), (5, 29900), (6, 29879), (8, 29855),

Gene: GreedyLawyer_46 Start: 29823, Stop: 29635, Start Num: 2
Candidate Starts for GreedyLawyer_46:
(Start: 2 @29823 has 45 MA's), (3, 29778), (4, 29739), (5, 29736), (6, 29715), (8, 29691),

Gene: Gruunaga_46 Start: 29823, Stop: 29635, Start Num: 2
Candidate Starts for Gruunaga_46:
(Start: 2 @29823 has 45 MA's), (4, 29739), (5, 29736), (6, 29715), (8, 29691),

Gene: Hammer_48 Start: 29977, Stop: 29798, Start Num: 2
Candidate Starts for Hammer_48:
(Start: 2 @29977 has 45 MA's), (3, 29932), (7, 29848), (9, 29824),

Gene: Helmet_48 Start: 29987, Stop: 29799, Start Num: 2
Candidate Starts for Helmet_48:
(Start: 2 @29987 has 45 MA's), (5, 29900), (6, 29879), (8, 29855),

Gene: Hexamo_46 Start: 29608, Stop: 29420, Start Num: 2

Candidate Starts for Hexamo_46:
(Start: 2 @29608 has 45 MA's), (4, 29524), (5, 29521), (6, 29500), (8, 29476),

Gene: Hoot_46 Start: 29801, Stop: 29613, Start Num: 2
Candidate Starts for Hoot_46:
(Start: 2 @29801 has 45 MA's), (3, 29756), (5, 29714), (8, 29669),

Gene: Indra_49 Start: 29988, Stop: 29800, Start Num: 2
Candidate Starts for Indra_49:
(Start: 2 @29988 has 45 MA's), (5, 29901), (6, 29880), (8, 29856),

Gene: Isiphiwo_44 Start: 29360, Stop: 29172, Start Num: 2
Candidate Starts for Isiphiwo_44:
(Start: 2 @29360 has 45 MA's), (4, 29276), (5, 29273), (6, 29252), (8, 29228),

Gene: Jeffabunny_46 Start: 29644, Stop: 29456, Start Num: 2
Candidate Starts for Jeffabunny_46:
(Start: 2 @29644 has 45 MA's), (4, 29560), (5, 29557), (6, 29536), (8, 29512),

Gene: JewelBug_48 Start: 29992, Stop: 29804, Start Num: 2
Candidate Starts for JewelBug_48:
(Start: 2 @29992 has 45 MA's), (4, 29908), (5, 29905), (6, 29884), (8, 29860),

Gene: Jordennis_46 Start: 29831, Stop: 29643, Start Num: 2
Candidate Starts for Jordennis_46:
(Start: 2 @29831 has 45 MA's), (4, 29747), (5, 29744), (6, 29723), (8, 29699),

Gene: Kazan_47 Start: 29829, Stop: 29641, Start Num: 2
Candidate Starts for Kazan_47:
(Start: 2 @29829 has 45 MA's), (3, 29784), (5, 29742), (8, 29697),

Gene: Kipper29_46 Start: 29842, Stop: 29654, Start Num: 2
Candidate Starts for Kipper29_46:
(Start: 2 @29842 has 45 MA's), (3, 29797), (5, 29755), (8, 29710),

Gene: Koko_48 Start: 30516, Stop: 30337, Start Num: 2
Candidate Starts for Koko_48:
(Start: 2 @30516 has 45 MA's), (3, 30471), (7, 30387), (9, 30363),

Gene: Lilbunny_45 Start: 29618, Stop: 29430, Start Num: 2
Candidate Starts for Lilbunny_45:
(Start: 2 @29618 has 45 MA's), (4, 29534), (5, 29531), (6, 29510), (8, 29486),

Gene: McFly_46 Start: 29823, Stop: 29635, Start Num: 2
Candidate Starts for McFly_46:
(Start: 2 @29823 has 45 MA's), (3, 29778), (5, 29736), (8, 29691),

Gene: Neeharika16_46 Start: 29834, Stop: 29646, Start Num: 2
Candidate Starts for Neeharika16_46:
(Start: 2 @29834 has 45 MA's), (4, 29750), (5, 29747), (6, 29726), (8, 29702),

Gene: Newrala_46 Start: 29834, Stop: 29646, Start Num: 2
Candidate Starts for Newrala_46:

(Start: 2 @29834 has 45 MA's), (4, 29750), (5, 29747), (6, 29726), (8, 29702),

Gene: Pmask_46 Start: 29835, Stop: 29647, Start Num: 2
Candidate Starts for Pmask_46:
(Start: 2 @29835 has 45 MA's), (4, 29751), (5, 29748), (6, 29727), (8, 29703),

Gene: Polyphemus_47 Start: 29978, Stop: 29790, Start Num: 2
Candidate Starts for Polyphemus_47:
(Start: 2 @29978 has 45 MA's), (5, 29891), (6, 29870), (8, 29846),

Gene: Priamo_48 Start: 30135, Stop: 29947, Start Num: 2
Candidate Starts for Priamo_48:
(1, 30213), (Start: 2 @30135 has 45 MA's), (4, 30051), (5, 30048), (6, 30027), (8, 30003),

Gene: Rifter_48 Start: 29940, Stop: 29761, Start Num: 2
Candidate Starts for Rifter_48:
(Start: 2 @29940 has 45 MA's), (3, 29895), (5, 29853), (7, 29811), (9, 29787),

Gene: Roksolana_47 Start: 29871, Stop: 29683, Start Num: 2
Candidate Starts for Roksolana_47:
(Start: 2 @29871 has 45 MA's), (4, 29787), (5, 29784), (6, 29763), (8, 29739),

Gene: SmellyB_46 Start: 29823, Stop: 29635, Start Num: 2
Candidate Starts for SmellyB_46:
(Start: 2 @29823 has 45 MA's), (3, 29778), (5, 29736), (8, 29691),

Gene: SuperAwesome_46 Start: 29834, Stop: 29646, Start Num: 2
Candidate Starts for SuperAwesome_46:
(Start: 2 @29834 has 45 MA's), (4, 29750), (5, 29747), (6, 29726), (8, 29702),

Gene: Temprado_47 Start: 29987, Stop: 29799, Start Num: 2
Candidate Starts for Temprado_47:
(Start: 2 @29987 has 45 MA's), (5, 29900), (6, 29879), (8, 29855),

Gene: ToneTone_43 Start: 29550, Stop: 29362, Start Num: 2
Candidate Starts for ToneTone_43:
(Start: 2 @29550 has 45 MA's), (4, 29466), (5, 29463), (6, 29442), (8, 29418),

Gene: Tucker_47 Start: 29988, Stop: 29800, Start Num: 2
Candidate Starts for Tucker_47:
(Start: 2 @29988 has 45 MA's), (4, 29904), (5, 29901), (6, 29880), (8, 29856),

Gene: VohminGhazi_46 Start: 29824, Stop: 29636, Start Num: 2
Candidate Starts for VohminGhazi_46:
(Start: 2 @29824 has 45 MA's), (3, 29779), (5, 29737), (8, 29692),

Gene: Wiks_45 Start: 29618, Stop: 29430, Start Num: 2
Candidate Starts for Wiks_45:
(Start: 2 @29618 has 45 MA's), (4, 29534), (5, 29531), (6, 29510), (8, 29486),

Gene: WunderPhul_46 Start: 29616, Stop: 29428, Start Num: 2
Candidate Starts for WunderPhul_46:
(Start: 2 @29616 has 45 MA's), (4, 29532), (5, 29529), (6, 29508), (8, 29484),

Gene: Yokurt_46 Start: 29618, Stop: 29430, Start Num: 2
Candidate Starts for Yokurt_46:
(Start: 2 @29618 has 45 MA's), (4, 29534), (5, 29531), (6, 29510), (8, 29486),

Gene: Zaka_46 Start: 29618, Stop: 29430, Start Num: 2
Candidate Starts for Zaka_46:
(Start: 2 @29618 has 45 MA's), (4, 29534), (5, 29531), (6, 29510), (8, 29486),

Gene: Zulu_47 Start: 29969, Stop: 29781, Start Num: 2
Candidate Starts for Zulu_47:
(Start: 2 @29969 has 45 MA's), (4, 29885), (5, 29882), (6, 29861), (8, 29837),