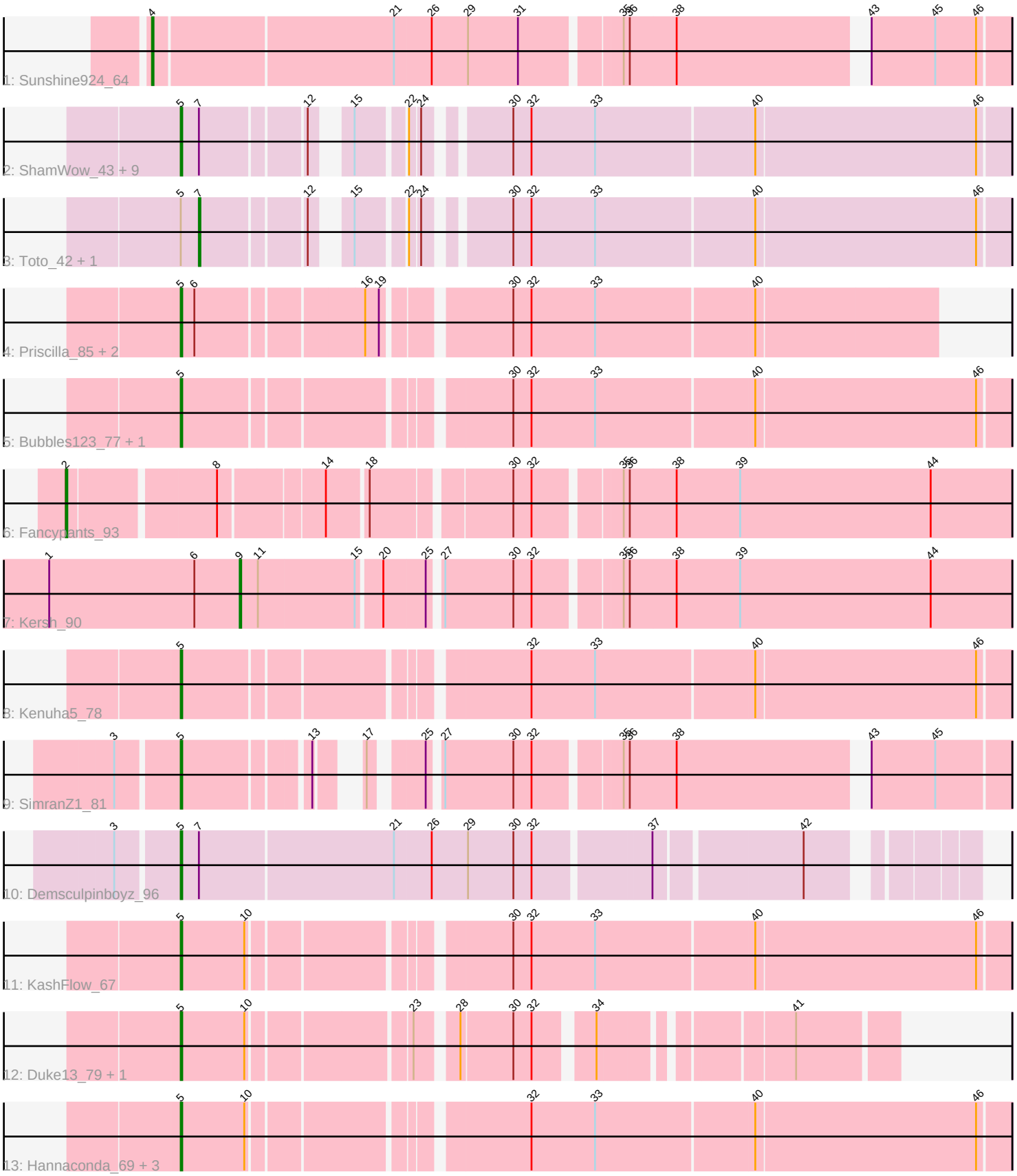
Pham 194240


1: Sunshine924_64
2: ShamWow_43 + 9
3: Toto_42 + 1
4: Priscilla_85 + 2
5: Bubbles123_77 + 1
6: Fancypants_93
7: Kersh_90
8: Kenuha5_78
9: SimranZ1_81
10: Demsculpinboyz_96
11: KashFlow_67
12: Duke13_79 + 1
13: Hannaconda_69 + 3

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 194240 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194240 has 30 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Sunshine924_64
• Track 2 : ShamWow_43, Inca_40, StellaBean_41, BilboSwaggins_42, ABCat_41, CrystalP_43, Phaja_41, Myrale_43, IHOP_41, Tuco_44
• Track 3 : Toto_42, Marshmallow_42
• Track 4 : Priscilla_85, NormanBulbieJr_83, Koella_77
• Track 5 : Bubbles123_77, Shauna1_82
• Track 6 : Fancypants_93
• Track 7 : Kersh_90
• Track 8 : Kenuha5_78
• Track 9 : SimranZ1_81
• Track 10 : Demsculpinboyz_96
• Track 11 : KashFlow_67
• Track 12 : Duke13_79, BAKA_81
• Track 13 : Hannaconda_69, SuperGrey_83, Aubs_83, Donkeykong_89

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ABCat_41, Aubs_83, BAKA_81, BilboSwaggins_42, Bubbles123_77, CrystalP_43, Demsculpinboyz_96, Donkeykong_89, Duke13_79, Hannaconda_69, IHOP_41, Inca_40, KashFlow_67, Kenuha5_78, Koella_77, Myrale_43, NormanBulbieJr_83, Phaja_41, Priscilla_85, ShamWow_43, Shauna1_82, SimranZ1_81, StellaBean_41, SuperGrey_83, Tuco_44,

Genes that have the "Most Annotated" start but do not call it:
• Marshmallow_42, Toto_42,

Genes that do not have the "Most Annotated" start:
• Fancypants_93, Kersh_90, Sunshine924_64,

Summary by start number:

Start 2:
• Found in 1 of 30 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fancypants_93 (F1),

Start 4:
• Found in 1 of 30 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sunshine924_64 (A1),

Start 5:
• Found in 27 of 30 (90.0%) of genes in pham
• Manual Annotations of this start: 24 of 29
• Called 92.6% of time when present
• Phage (with cluster) where this start called: ABCat_41 (E), Aubs_83 (F1), BAKA_81 (J), BilboSwaggins_42 (E), Bubbles123_77 (F1), CrystalP_43 (E), Demsculpinboyz_96 (F2), Donkeykong_89 (F1), Duke13_79 (J), Hannaconda_69 (J), IHOP_41 (E), Inca_40 (E), KashFlow_67 (J), Kenuha5_78 (F1), Koella_77 (F1), Myrale_43 (E), NormanBulbieJr_83 (F1), Phaja_41 (E), Priscilla_85 (F1), ShamWow_43 (E), Shauna1_82 (F1), SimranZ1_81 (F1), StellaBean_41 (E), SuperGrey_83 (F1), Tuco_44 (E),

Start 7:
• Found in 13 of 30 (43.3%) of genes in pham
• Manual Annotations of this start: 2 of 29
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Marshmallow_42 (E), Toto_42 (E),

Start 9:
• Found in 1 of 30 (3.3%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kersh_90 (F1),

Summary by clusters:

There are 5 clusters represented in this pham: A1, F1, F2, J, E,

Info for manual annotations of cluster A1:
•Start number 4 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster E:
•Start number 5 was manually annotated 9 times for cluster E.
•Start number 7 was manually annotated 2 times for cluster E.

Info for manual annotations of cluster F1:
•Start number 2 was manually annotated 1 time for cluster F1.
•Start number 5 was manually annotated 10 times for cluster F1.
•Start number 9 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 5 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster J:
•Start number 5 was manually annotated 4 times for cluster J.

Gene Information:

Gene: ABCat_41 Start: 35824, Stop: 35336, Start Num: 5
Candidate Starts for ABCat_41:
(Start: 5 @35824 has 24 MA's), (Start: 7 @35812 has 2 MA's), (12, 35749), (15, 35734), (22, 35707), (24, 35701), (30, 35656), (32, 35644), (33, 35602), (40, 35500), (46, 35356),

Gene: Aubs_83 Start: 50008, Stop: 50520, Start Num: 5
Candidate Starts for Aubs_83:
(Start: 5 @50008 has 24 MA's), (10, 50050), (32, 50212), (33, 50254), (40, 50356), (46, 50500),

Gene: BAKA_81 Start: 52347, Stop: 51940, Start Num: 5
Candidate Starts for BAKA_81:
(Start: 5 @52347 has 24 MA's), (10, 52305), (23, 52209), (28, 52188), (30, 52155), (32, 52143), (34, 52110), (41, 52002),

Gene: BilboSwaggins_42 Start: 35832, Stop: 35344, Start Num: 5
Candidate Starts for BilboSwaggins_42:
(Start: 5 @35832 has 24 MA's), (Start: 7 @35820 has 2 MA's), (12, 35757), (15, 35742), (22, 35715), (24, 35709), (30, 35664), (32, 35652), (33, 35610), (40, 35508), (46, 35364),

Gene: Bubbles123_77 Start: 48885, Stop: 49397, Start Num: 5
Candidate Starts for Bubbles123_77:
(Start: 5 @48885 has 24 MA's), (30, 49077), (32, 49089), (33, 49131), (40, 49233), (46, 49377),

Gene: CrystalP_43 Start: 35832, Stop: 35344, Start Num: 5
Candidate Starts for CrystalP_43:
(Start: 5 @35832 has 24 MA's), (Start: 7 @35820 has 2 MA's), (12, 35757), (15, 35742), (22, 35715), (24, 35709), (30, 35664), (32, 35652), (33, 35610), (40, 35508), (46, 35364),

Gene: Demsculpinboyz_96 Start: 48718, Stop: 49200, Start Num: 5
Candidate Starts for Demsculpinboyz_96:
(3, 48679), (Start: 5 @48718 has 24 MA's), (Start: 7 @48730 has 2 MA's), (21, 48856), (26, 48880), (29, 48904), (30, 48934), (32, 48946), (37, 49018), (42, 49108),

Gene: Donkeykong_89 Start: 51613, Stop: 52125, Start Num: 5
Candidate Starts for Donkeykong_89:
(Start: 5 @51613 has 24 MA's), (10, 51655), (32, 51817), (33, 51859), (40, 51961), (46, 52105),

Gene: Duke13_79 Start: 51559, Stop: 51152, Start Num: 5
Candidate Starts for Duke13_79:
(Start: 5 @51559 has 24 MA's), (10, 51517), (23, 51421), (28, 51400), (30, 51367), (32, 51355), (34, 51322), (41, 51214),

Gene: Fancypants_93 Start: 52418, Stop: 52996, Start Num: 2

Candidate Starts for Fancypants_93:
(Start: 2 @52418 has 1 MA's), (8, 52508), (14, 52571), (18, 52595), (30, 52679), (32, 52691), (35, 52742), (36, 52745), (38, 52775), (39, 52817), (44, 52943),

Gene: Hannaconda_69 Start: 45759, Stop: 45247, Start Num: 5
Candidate Starts for Hannaconda_69:
(Start: 5 @45759 has 24 MA's), (10, 45717), (32, 45555), (33, 45513), (40, 45411), (46, 45267),

Gene: IHOP_41 Start: 35396, Stop: 34908, Start Num: 5
Candidate Starts for IHOP_41:
(Start: 5 @35396 has 24 MA's), (Start: 7 @35384 has 2 MA's), (12, 35321), (15, 35306), (22, 35279), (24, 35273), (30, 35228), (32, 35216), (33, 35174), (40, 35072), (46, 34928),

Gene: Inca_40 Start: 33921, Stop: 33433, Start Num: 5
Candidate Starts for Inca_40:
(Start: 5 @33921 has 24 MA's), (Start: 7 @33909 has 2 MA's), (12, 33846), (15, 33831), (22, 33804), (24, 33798), (30, 33753), (32, 33741), (33, 33699), (40, 33597), (46, 33453),

Gene: KashFlow_67 Start: 45630, Stop: 45118, Start Num: 5
Candidate Starts for KashFlow_67:
(Start: 5 @45630 has 24 MA's), (10, 45588), (30, 45438), (32, 45426), (33, 45384), (40, 45282), (46, 45138),

Gene: Kenuha5_78 Start: 49646, Stop: 50158, Start Num: 5
Candidate Starts for Kenuha5_78:
(Start: 5 @49646 has 24 MA's), (32, 49850), (33, 49892), (40, 49994), (46, 50138),

Gene: Kersh_90 Start: 52725, Stop: 53210, Start Num: 9
Candidate Starts for Kersh_90:
(1, 52599), (6, 52695), (Start: 9 @52725 has 1 MA's), (11, 52737), (15, 52800), (20, 52815), (25, 52842), (27, 52848), (30, 52893), (32, 52905), (35, 52956), (36, 52959), (38, 52989), (39, 53031), (44, 53157),

Gene: Koella_77 Start: 46451, Stop: 46915, Start Num: 5
Candidate Starts for Koella_77:
(Start: 5 @46451 has 24 MA's), (6, 46460), (16, 46562), (19, 46571), (30, 46643), (32, 46655), (33, 46697), (40, 46799),

Gene: Marshmallow_42 Start: 35818, Stop: 35342, Start Num: 7
Candidate Starts for Marshmallow_42:
(Start: 5 @35830 has 24 MA's), (Start: 7 @35818 has 2 MA's), (12, 35755), (15, 35740), (22, 35713), (24, 35707), (30, 35662), (32, 35650), (33, 35608), (40, 35506), (46, 35362),

Gene: Myrale_43 Start: 35695, Stop: 35207, Start Num: 5
Candidate Starts for Myrale_43:
(Start: 5 @35695 has 24 MA's), (Start: 7 @35683 has 2 MA's), (12, 35620), (15, 35605), (22, 35578), (24, 35572), (30, 35527), (32, 35515), (33, 35473), (40, 35371), (46, 35227),

Gene: NormanBulbieJr_83 Start: 50465, Stop: 50929, Start Num: 5
Candidate Starts for NormanBulbieJr_83:
(Start: 5 @50465 has 24 MA's), (6, 50474), (16, 50576), (19, 50585), (30, 50657), (32, 50669), (33, 50711), (40, 50813),

Gene: Phaja_41 Start: 35395, Stop: 34907, Start Num: 5
Candidate Starts for Phaja_41:
(Start: 5 @35395 has 24 MA's), (Start: 7 @35383 has 2 MA's), (12, 35320), (15, 35305), (22, 35278), (24, 35272), (30, 35227), (32, 35215), (33, 35173), (40, 35071), (46, 34927),

Gene: Priscilla_85 Start: 50563, Stop: 51027, Start Num: 5
Candidate Starts for Priscilla_85:
(Start: 5 @50563 has 24 MA's), (6, 50572), (16, 50674), (19, 50683), (30, 50755), (32, 50767), (33, 50809), (40, 50911),

Gene: ShamWow_43 Start: 35832, Stop: 35344, Start Num: 5
Candidate Starts for ShamWow_43:
(Start: 5 @35832 has 24 MA's), (Start: 7 @35820 has 2 MA's), (12, 35757), (15, 35742), (22, 35715), (24, 35709), (30, 35664), (32, 35652), (33, 35610), (40, 35508), (46, 35364),

Gene: Shauna1_82 Start: 49932, Stop: 50444, Start Num: 5
Candidate Starts for Shauna1_82:
(Start: 5 @49932 has 24 MA's), (30, 50124), (32, 50136), (33, 50178), (40, 50280), (46, 50424),

Gene: SimranZ1_81 Start: 48125, Stop: 48592, Start Num: 5
Candidate Starts for SimranZ1_81:
(3, 48086), (Start: 5 @48125 has 24 MA's), (13, 48200), (17, 48215), (25, 48242), (27, 48248), (30, 48293), (32, 48305), (35, 48356), (36, 48359), (38, 48389), (43, 48503), (45, 48545),

Gene: StellaBean_41 Start: 35156, Stop: 34668, Start Num: 5
Candidate Starts for StellaBean_41:
(Start: 5 @35156 has 24 MA's), (Start: 7 @35144 has 2 MA's), (12, 35081), (15, 35066), (22, 35039), (24, 35033), (30, 34988), (32, 34976), (33, 34934), (40, 34832), (46, 34688),

Gene: Sunshine924_64 Start: 40630, Stop: 40100, Start Num: 4
Candidate Starts for Sunshine924_64:
(Start: 4 @40630 has 1 MA's), (21, 40477), (26, 40453), (29, 40429), (31, 40396), (35, 40336), (36, 40333), (38, 40303), (43, 40189), (45, 40147), (46, 40120),

Gene: SuperGrey_83 Start: 51298, Stop: 51810, Start Num: 5
Candidate Starts for SuperGrey_83:
(Start: 5 @51298 has 24 MA's), (10, 51340), (32, 51502), (33, 51544), (40, 51646), (46, 51790),

Gene: Toto_42 Start: 35820, Stop: 35344, Start Num: 7
Candidate Starts for Toto_42:
(Start: 5 @35832 has 24 MA's), (Start: 7 @35820 has 2 MA's), (12, 35757), (15, 35742), (22, 35715), (24, 35709), (30, 35664), (32, 35652), (33, 35610), (40, 35508), (46, 35364),

Gene: Tuco_44 Start: 36340, Stop: 35852, Start Num: 5
Candidate Starts for Tuco_44:
(Start: 5 @36340 has 24 MA's), (Start: 7 @36328 has 2 MA's), (12, 36265), (15, 36250), (22, 36223), (24, 36217), (30, 36172), (32, 36160), (33, 36118), (40, 36016), (46, 35872),