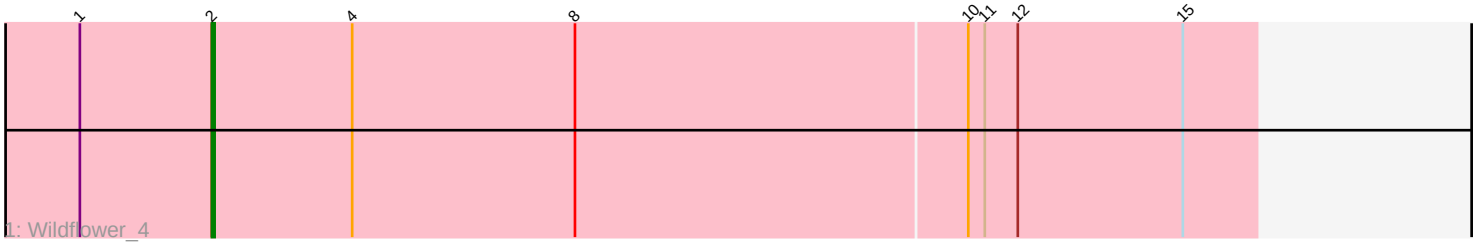
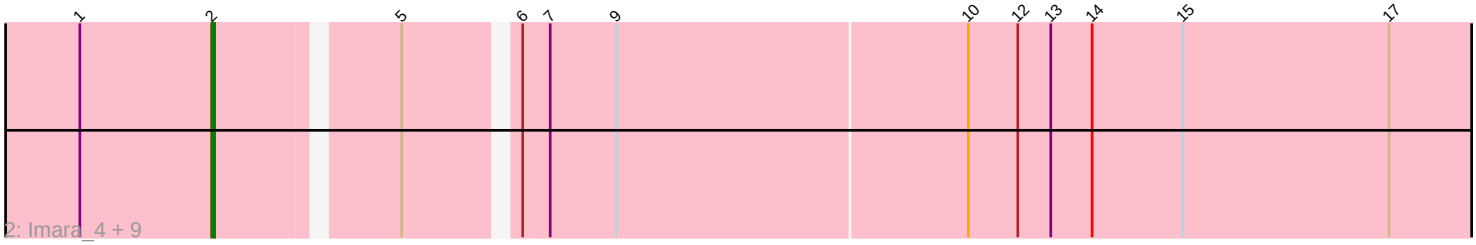
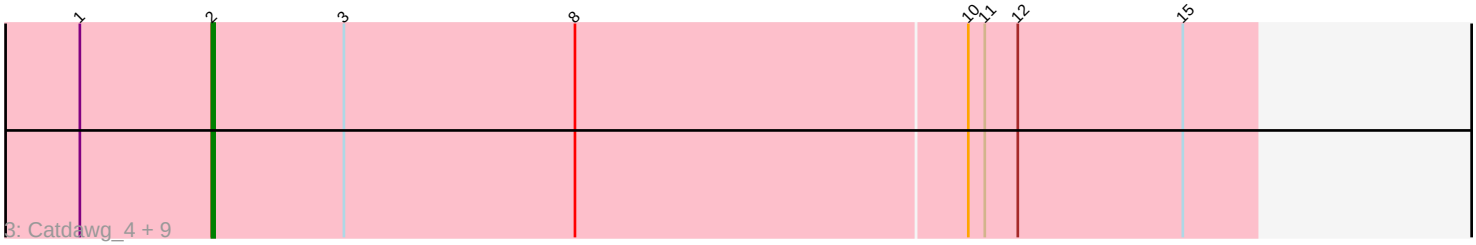
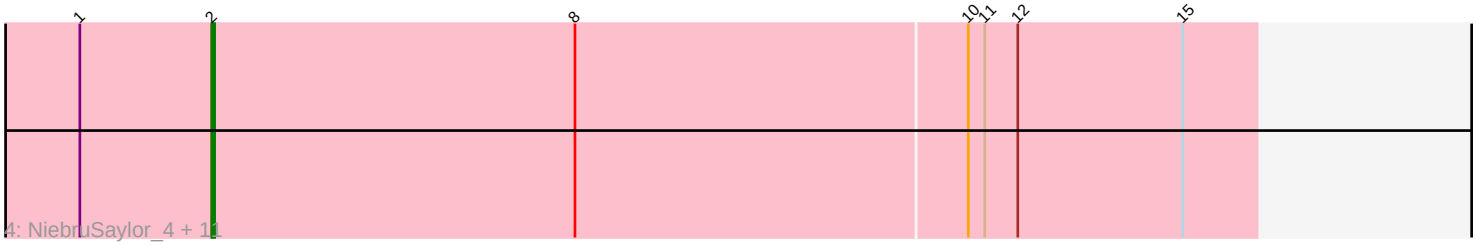
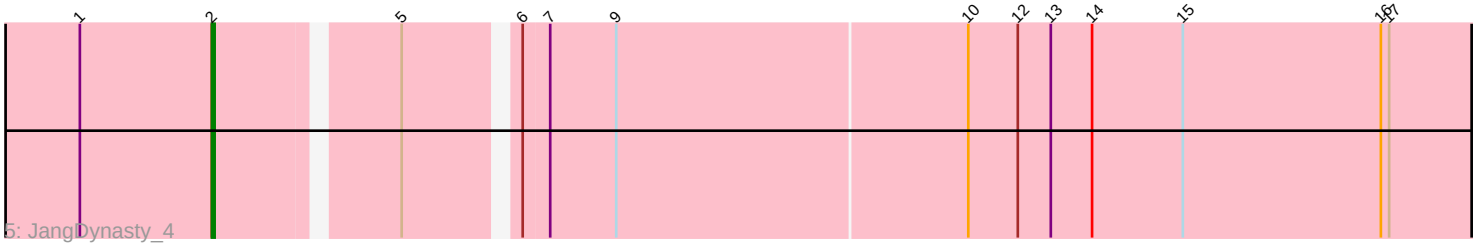
Pham 347850

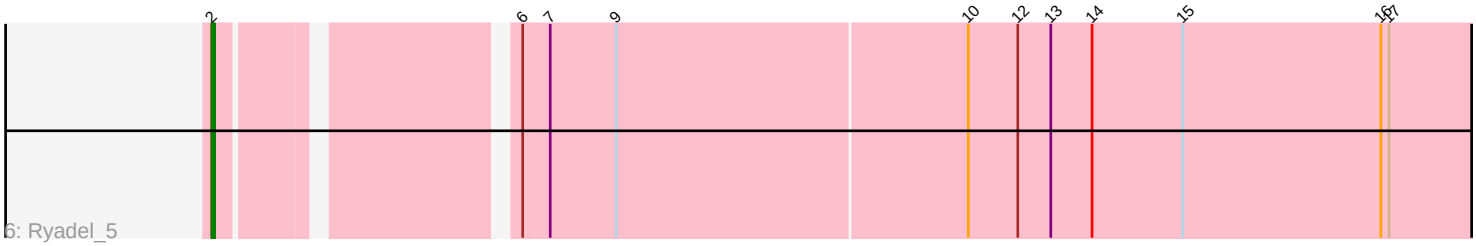

1
2
4
8
10
11
12
15
1: Wildflower_4


1
2
5
6
7
9
10
12
13
14
15
17
2: Imara_4 + 9


1
2
3
8
10
11
12
15
3: Catdawg_4 + 9


1
2
8
10
11
12
15
4: NiebruSaylor_4 + 11


1
2
5
6
7
9
10
12
13
14
15
16
17
5: JangDynasty_4


2
6
7
9
10
12
13
14
15
16
17
6: Ryadel_5

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 347850 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347850 has 35 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Wildflower_4
• Track 2 : Imara_4, Winget_4, Firecracker_4, Vagabond_4, Bora_4, Corndog_5, Alkhayr_4, Wogge42_4, Smooch_5, YungJamal_5
• Track 3 : Catdawg_4, FoulBall_4, Zebo_4, Familton_5, SchoolBus_4, Blessica_4, Idergollasper_4, YoyoKar_4, Shida_4, KingPhillip3_4
• Track 4 : NiebruSaylor_4, Krili_4, Mori_4, Vorrps_4, Zakhe101_5, MadKillah_4, TelAviv_4, Schuy_4, Ashwin_5, Ryadel_6, Dylan_5, Murai_4
• Track 5 : JangDynasty_4
• Track 6 : Ryadel_5

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 33 of the 33 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_4, Ashwin_5, Blessica_4, Bora_4, Catdawg_4, Corndog_5, Dylan_5, Familton_5, Firecracker_4, FoulBall_4, Idergollasper_4, Imara_4, JangDynasty_4, KingPhillip3_4, Krili_4, MadKillah_4, Mori_4, Murai_4, NiebruSaylor_4, Ryadel_5, Ryadel_6, SchoolBus_4, Schuy_4, Shida_4, Smooch_5, TelAviv_4, Vagabond_4, Vorrps_4, Wildflower_4, Winget_4, Wogge42_4, YoyoKar_4, YungJamal_5, Zakhe101_5, Zebo_4,

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 35 of 35 (100.0%) of genes in pham
• Manual Annotations of this start: 33 of 33

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_4 (O), Ashwin_5 (O), Blessica_4 (O), Bora_4 (O), Catdawg_4 (O), Corndog_5 (O), Dylan_5 (O), Familton_5 (O), Firecracker_4 (O), FoulBall_4 (O), Idergollasper_4 (O), Imara_4 (O), JangDynasty_4 (O), KingPhillip3_4 (O), Krili_4 (O), MadKillah_4 (O), Mori_4 (O), Murai_4 (O), NiebruSaylor_4 (O), Ryadel_5 (O), Ryadel_6 (O), SchoolBus_4 (O), Schuy_4 (O), Shida_4 (O), Smooch_5 (O), TelAviv_4 (O), Vagabond_4 (O), Vorrps_4 (O), Wildflower_4 (O), Winget_4 (O), Wogge42_4 (O), YoyoKar_4 (O), YungJamal_5 (O), Zakhe101_5 (O), Zebo_4 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 2 was manually annotated 33 times for cluster O.

Gene Information:

Gene: Alkhayr_4 Start: 1289, Stop: 819, Start Num: 2
Candidate Starts for Alkhayr_4:
(1, 1337), (Start: 2 @1289 has 33 MA's), (5, 1229), (6, 1193), (7, 1184), (9, 1160), (10, 1034), (12, 1016), (13, 1004), (14, 989), (15, 956), (17, 881),

Gene: Ashwin_5 Start: 1593, Stop: 1216, Start Num: 2
Candidate Starts for Ashwin_5:
(1, 1641), (Start: 2 @1593 has 33 MA's), (8, 1461), (10, 1320), (11, 1314), (12, 1302), (15, 1242),

Gene: Blessica_4 Start: 1148, Stop: 771, Start Num: 2
Candidate Starts for Blessica_4:
(1, 1196), (Start: 2 @1148 has 33 MA's), (3, 1100), (8, 1016), (10, 875), (11, 869), (12, 857), (15, 797),

Gene: Bora_4 Start: 1289, Stop: 819, Start Num: 2
Candidate Starts for Bora_4:
(1, 1337), (Start: 2 @1289 has 33 MA's), (5, 1229), (6, 1193), (7, 1184), (9, 1160), (10, 1034), (12, 1016), (13, 1004), (14, 989), (15, 956), (17, 881),

Gene: Catdawg_4 Start: 1198, Stop: 821, Start Num: 2
Candidate Starts for Catdawg_4:
(1, 1246), (Start: 2 @1198 has 33 MA's), (3, 1150), (8, 1066), (10, 925), (11, 919), (12, 907), (15, 847),

Gene: Corndog_5 Start: 1581, Stop: 1111, Start Num: 2
Candidate Starts for Corndog_5:
(1, 1629), (Start: 2 @1581 has 33 MA's), (5, 1521), (6, 1485), (7, 1476), (9, 1452), (10, 1326), (12, 1308), (13, 1296), (14, 1281), (15, 1248), (17, 1173),

Gene: Dylan_5 Start: 1597, Stop: 1220, Start Num: 2
Candidate Starts for Dylan_5:
(1, 1645), (Start: 2 @1597 has 33 MA's), (8, 1465), (10, 1324), (11, 1318), (12, 1306), (15, 1246),

Gene: Familton_5 Start: 1199, Stop: 822, Start Num: 2

Candidate Starts for Familton_5:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Firecracker_4 Start: 1290, Stop: 820, Start Num: 2
Candidate Starts for Firecracker_4:
(1, 1338), (Start: 2 @1290 has 33 MA's), (5, 1230), (6, 1194), (7, 1185), (9, 1161), (10, 1035), (12, 1017), (13, 1005), (14, 990), (15, 957), (17, 882),

Gene: FoulBall_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for FoulBall_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Idergollasper_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for Idergollasper_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Imara_4 Start: 1290, Stop: 820, Start Num: 2
Candidate Starts for Imara_4:
(1, 1338), (Start: 2 @1290 has 33 MA's), (5, 1230), (6, 1194), (7, 1185), (9, 1161), (10, 1035), (12, 1017), (13, 1005), (14, 990), (15, 957), (17, 882),

Gene: JangDynasty_4 Start: 1294, Stop: 824, Start Num: 2
Candidate Starts for JangDynasty_4:
(1, 1342), (Start: 2 @1294 has 33 MA's), (5, 1234), (6, 1198), (7, 1189), (9, 1165), (10, 1039), (12, 1021), (13, 1009), (14, 994), (15, 961), (16, 889), (17, 886),

Gene: KingPhillip3_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for KingPhillip3_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Krili_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for Krili_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: MadKillah_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for MadKillah_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: Mori_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for Mori_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: Murai_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for Murai_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: NiebruSaylor_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for NiebruSaylor_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: Ryadel_6 Start: 1730, Stop: 1353, Start Num: 2
Candidate Starts for Ryadel_6:
(1, 1778), (Start: 2 @1730 has 33 MA's), (8, 1598), (10, 1457), (11, 1451), (12, 1439), (15, 1379),

Gene: Ryadel_5 Start: 1349, Stop: 882, Start Num: 2
Candidate Starts for Ryadel_5:
(Start: 2 @1349 has 33 MA's), (6, 1256), (7, 1247), (9, 1223), (10, 1097), (12, 1079), (13, 1067), (14, 1052), (15, 1019), (16, 947), (17, 944),

Gene: SchoolBus_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for SchoolBus_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Schuy_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for Schuy_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: Shida_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for Shida_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Smooch_5 Start: 1579, Stop: 1109, Start Num: 2
Candidate Starts for Smooch_5:
(1, 1627), (Start: 2 @1579 has 33 MA's), (5, 1519), (6, 1483), (7, 1474), (9, 1450), (10, 1324), (12, 1306), (13, 1294), (14, 1279), (15, 1246), (17, 1171),

Gene: TelAviv_4 Start: 1196, Stop: 822, Start Num: 2
Candidate Starts for TelAviv_4:
(1, 1244), (Start: 2 @1196 has 33 MA's), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),

Gene: Vagabond_4 Start: 1291, Stop: 821, Start Num: 2
Candidate Starts for Vagabond_4:
(1, 1339), (Start: 2 @1291 has 33 MA's), (5, 1231), (6, 1195), (7, 1186), (9, 1162), (10, 1036), (12, 1018), (13, 1006), (14, 991), (15, 958), (17, 883),

Gene: Vorrps_4 Start: 1150, Stop: 773, Start Num: 2
Candidate Starts for Vorrps_4:
(1, 1198), (Start: 2 @1150 has 33 MA's), (8, 1018), (10, 877), (11, 871), (12, 859), (15, 799),

Gene: Wildflower_4 Start: 1245, Stop: 868, Start Num: 2
Candidate Starts for Wildflower_4:
(1, 1293), (Start: 2 @1245 has 33 MA's), (4, 1194), (8, 1113), (10, 972), (11, 966), (12, 954), (15, 894),

Gene: Winget_4 Start: 1290, Stop: 820, Start Num: 2
Candidate Starts for Winget_4:
(1, 1338), (Start: 2 @1290 has 33 MA's), (5, 1230), (6, 1194), (7, 1185), (9, 1161), (10, 1035), (12, 1017), (13, 1005), (14, 990), (15, 957), (17, 882),

Gene: Wogge42_4 Start: 1294, Stop: 824, Start Num: 2
Candidate Starts for Wogge42_4:
(1, 1342), (Start: 2 @1294 has 33 MA's), (5, 1234), (6, 1198), (7, 1189), (9, 1165), (10, 1039), (12, 1021), (13, 1009), (14, 994), (15, 961), (17, 886),

Gene: YoyoKar_4 Start: 1206, Stop: 829, Start Num: 2
Candidate Starts for YoyoKar_4:
(1, 1254), (Start: 2 @1206 has 33 MA's), (3, 1158), (8, 1074), (10, 933), (11, 927), (12, 915), (15, 855),

Gene: YungJamal_5 Start: 1579, Stop: 1109, Start Num: 2
Candidate Starts for YungJamal_5:
(1, 1627), (Start: 2 @1579 has 33 MA's), (5, 1519), (6, 1483), (7, 1474), (9, 1450), (10, 1324), (12, 1306), (13, 1294), (14, 1279), (15, 1246), (17, 1171),

Gene: Zakhe101_5 Start: 1597, Stop: 1220, Start Num: 2
Candidate Starts for Zakhe101_5:
(1, 1645), (Start: 2 @1597 has 33 MA's), (8, 1465), (10, 1324), (11, 1318), (12, 1306), (15, 1246),

Gene: Zebo_4 Start: 1199, Stop: 822, Start Num: 2
Candidate Starts for Zebo_4:
(1, 1247), (Start: 2 @1199 has 33 MA's), (3, 1151), (8, 1067), (10, 926), (11, 920), (12, 908), (15, 848),