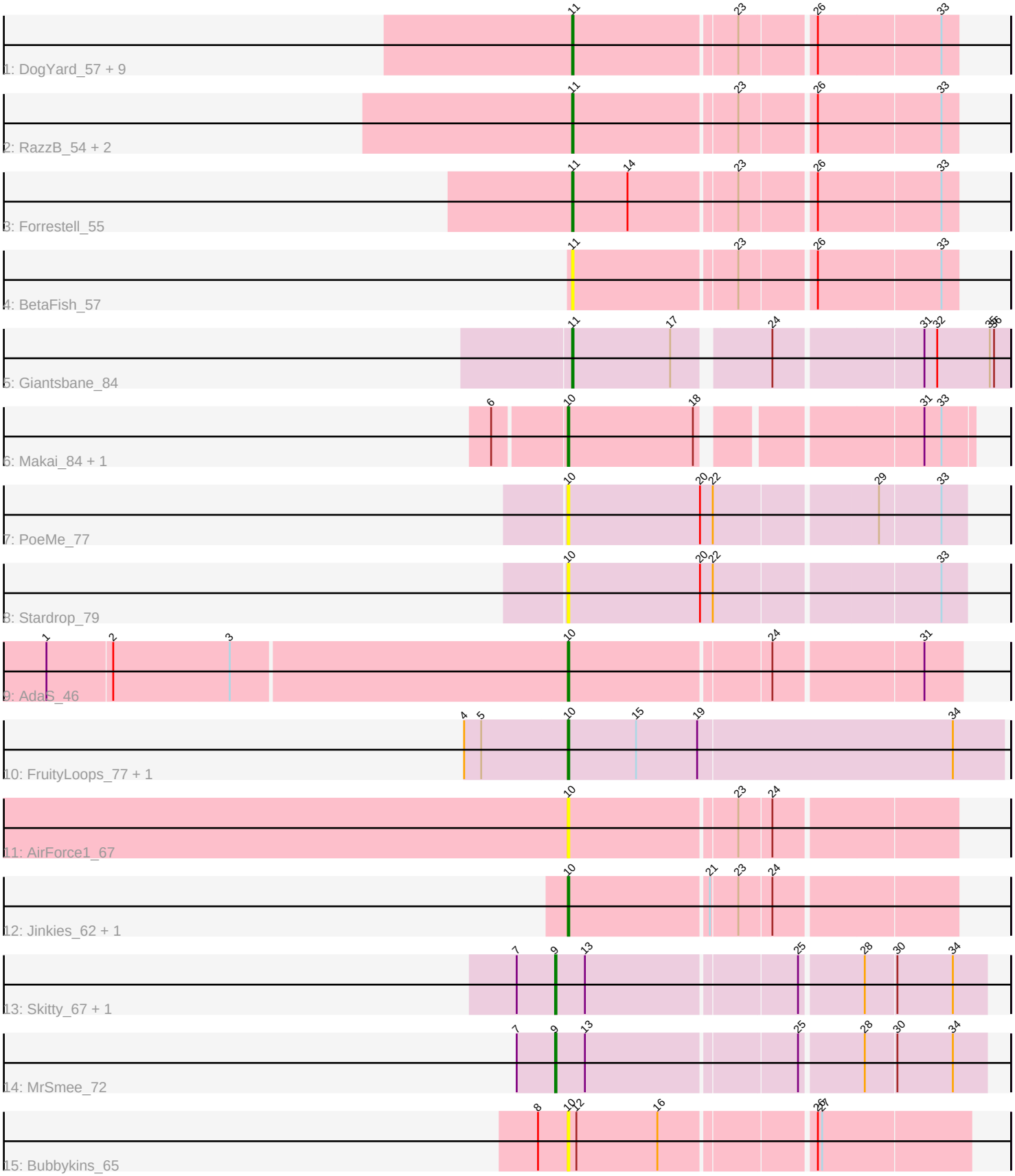
Pham 293030


1: DogYard_57 + 9
2: RazzB_54 + 2
3: Forrestell_55
4: BetaFish_57
5: Giantsbane_84
6: Makai_84 + 1
7: PoeMe_77
8: Stardrop_79
9: AdaS_46
10: FruityLoops_77 + 1
11: AirForce1_67
12: Jinkies_62 + 1
13: Skitty_67 + 1
14: MrSmee_72
15: Bubbykins_65

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 293030 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293030 has 30 members, 13 are drafts.

Phages represented in each track:
• Track 1 : DogYard_57, Beagle_58, Pointis_56, Pureglobe5_59, Popstraw_54, Kubulix_58, Hive_55, RIPWilbur_55, Odyssey395_60, PhuzzTulsa_55
• Track 2 : RazzB_54, NyleyClemson_54, MellowYellow_55
• Track 3 : Forrestell_55
• Track 4 : BetaFish_57
• Track 5 : Giantsbane_84
• Track 6 : Makai_84, Truckee_81
• Track 7 : PoeMe_77
• Track 8 : Stardrop_79
• Track 9 : AdaS_46
• Track 10 : FruityLoops_77, UBSmoodge_80
• Track 11 : AirForce1_67
• Track 12 : Jinkies_62, SunnyJune_69
• Track 13 : Skitty_67, Merpity_74
• Track 14 : MrSmee_72
• Track 15 : Bubbykins_65

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

The start number called the most often in the published annotations is 11, it was called in 10 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_58, BetaFish_57, DogYard_57, Forrestell_55, Giantsbane_84, Hive_55, Kubulix_58, MellowYellow_55, NyleyClemson_54, Odyssey395_60, PhuzzTulsa_55, Pointis_56, Popstraw_54, Pureglobe5_59, RIPWilbur_55, RazzB_54,

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

Genes that do not have the "Most Annotated" start:
• AdaS_46, AirForce1_67, Bubbykins_65, FruityLoops_77, Jinkies_62, Makai_84, Merpity_74, MrSmee_72, PoeMe_77, Skitty_67, Stardrop_79, SunnyJune_69, Truckee_81, UBSmoodge_80,

Summary by start number:

Start 9:
• Found in 3 of 30 (10.0%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Merpity_74 (FQ), MrSmee_72 (FQ), Skitty_67 (FQ),

Start 10:
• Found in 11 of 30 (36.7%) of genes in pham
• Manual Annotations of this start: 5 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AdaS_46 (AY), AirForce1_67 (FL), Bubbykins_65 (UNK), FruityLoops_77 (DQ), Jinkies_62 (FL), Makai_84 (AU5), PoeMe_77 (AU6), Stardrop_79 (AU6), SunnyJune_69 (FL), Truckee_81 (AU5), UBSmoodge_80 (DQ),

Start 11:
• Found in 16 of 30 (53.3%) of genes in pham
• Manual Annotations of this start: 10 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beagle_58 (AP2), BetaFish_57 (AP2), DogYard_57 (AP2), Forrestell_55 (AP2), Giantsbane_84 (AU2), Hive_55 (AP2), Kubulix_58 (AP2), MellowYellow_55 (AP2), NyleyClemson_54 (AP2), Odyssey395_60 (AP2), PhuzzTulsa_55 (AP2), Pointis_56 (AP2), Popstraw_54 (AP2), Pureglobe5_59 (AP2), RIPWilbur_55 (AP2), RazzB_54 (AP2),

Summary by clusters:

There are 9 clusters represented in this pham: FQ, AP2, AU2, AU5, AU6, AY, UNK, FL, DQ,

Info for manual annotations of cluster AP2:
•Start number 11 was manually annotated 9 times for cluster AP2.

Info for manual annotations of cluster AU2:
•Start number 11 was manually annotated 1 time for cluster AU2.

Info for manual annotations of cluster AU5:
•Start number 10 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster DQ:
•Start number 10 was manually annotated 1 time for cluster DQ.

Info for manual annotations of cluster FL:
•Start number 10 was manually annotated 1 time for cluster FL.

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

Gene Information:

Gene: AdaS_46 Start: 29027, Stop: 29287, Start Num: 10
Candidate Starts for AdaS_46:
(1, 28667), (2, 28712), (3, 28793), (Start: 10 @29027 has 5 MA's), (24, 29162), (31, 29261),

Gene: AirForce1_67 Start: 41280, Stop: 41537, Start Num: 10
Candidate Starts for AirForce1_67:
(Start: 10 @41280 has 5 MA's), (23, 41394), (24, 41415),

Gene: Beagle_58 Start: 40124, Stop: 39870, Start Num: 11
Candidate Starts for Beagle_58:
(Start: 11 @40124 has 10 MA's), (23, 40013), (26, 39965), (33, 39881),

Gene: BetaFish_57 Start: 40608, Stop: 40354, Start Num: 11
Candidate Starts for BetaFish_57:
(Start: 11 @40608 has 10 MA's), (23, 40497), (26, 40449), (33, 40365),

Gene: Bubbykins_65 Start: 47243, Stop: 47509, Start Num: 10
Candidate Starts for Bubbykins_65:
(8, 47222), (Start: 10 @47243 has 5 MA's), (12, 47249), (16, 47306), (26, 47405), (27, 47408),

Gene: DogYard_57 Start: 40041, Stop: 39787, Start Num: 11
Candidate Starts for DogYard_57:
(Start: 11 @40041 has 10 MA's), (23, 39930), (26, 39882), (33, 39798),

Gene: Forrestell_55 Start: 38685, Stop: 38431, Start Num: 11
Candidate Starts for Forrestell_55:
(Start: 11 @38685 has 10 MA's), (14, 38646), (23, 38574), (26, 38526), (33, 38442),

Gene: FruityLoops_77 Start: 64804, Stop: 65106, Start Num: 10
Candidate Starts for FruityLoops_77:
(4, 64732), (5, 64744), (Start: 10 @64804 has 5 MA's), (15, 64852), (19, 64894), (34, 65071),

Gene: Giantsbane_84 Start: 50534, Stop: 50821, Start Num: 11
Candidate Starts for Giantsbane_84:
(Start: 11 @50534 has 10 MA's), (17, 50603), (24, 50663), (31, 50762), (32, 50771), (35, 50807), (36, 50810),

Gene: Hive_55 Start: 40222, Stop: 39968, Start Num: 11
Candidate Starts for Hive_55:
(Start: 11 @40222 has 10 MA's), (23, 40111), (26, 40063), (33, 39979),

Gene: Jinkies_62 Start: 41367, Stop: 41624, Start Num: 10
Candidate Starts for Jinkies_62:
(Start: 10 @41367 has 5 MA's), (21, 41463), (23, 41481), (24, 41502),

Gene: Kubulix_58 Start: 39974, Stop: 39720, Start Num: 11
Candidate Starts for Kubulix_58:
(Start: 11 @39974 has 10 MA's), (23, 39863), (26, 39815), (33, 39731),

Gene: Makai_84 Start: 52282, Stop: 52539, Start Num: 10
Candidate Starts for Makai_84:
(6, 52234), (Start: 10 @52282 has 5 MA's), (18, 52369), (31, 52507), (33, 52519),

Gene: MellowYellow_55 Start: 39146, Stop: 38892, Start Num: 11
Candidate Starts for MellowYellow_55:
(Start: 11 @39146 has 10 MA's), (23, 39035), (26, 38987), (33, 38903),

Gene: Merpity_74 Start: 38792, Stop: 39079, Start Num: 9
Candidate Starts for Merpity_74:
(7, 38765), (Start: 9 @38792 has 2 MA's), (13, 38813), (25, 38954), (28, 38996), (30, 39017), (34, 39056),

Gene: MrSmee_72 Start: 38364, Stop: 38651, Start Num: 9
Candidate Starts for MrSmee_72:
(7, 38337), (Start: 9 @38364 has 2 MA's), (13, 38385), (25, 38526), (28, 38568), (30, 38589), (34, 38628),

Gene: NyleyClemson_54 Start: 38761, Stop: 38507, Start Num: 11
Candidate Starts for NyleyClemson_54:
(Start: 11 @38761 has 10 MA's), (23, 38650), (26, 38602), (33, 38518),

Gene: Odyssey395_60 Start: 40348, Stop: 40094, Start Num: 11
Candidate Starts for Odyssey395_60:
(Start: 11 @40348 has 10 MA's), (23, 40237), (26, 40189), (33, 40105),

Gene: PhuzzTulsa_55 Start: 40126, Stop: 39872, Start Num: 11
Candidate Starts for PhuzzTulsa_55:
(Start: 11 @40126 has 10 MA's), (23, 40015), (26, 39967), (33, 39883),

Gene: PoeMe_77 Start: 46538, Stop: 46807, Start Num: 10
Candidate Starts for PoeMe_77:
(Start: 10 @46538 has 5 MA's), (20, 46631), (22, 46640), (29, 46748), (33, 46790),

Gene: Pointis_56 Start: 40164, Stop: 39910, Start Num: 11
Candidate Starts for Pointis_56:
(Start: 11 @40164 has 10 MA's), (23, 40053), (26, 40005), (33, 39921),

Gene: Popstraw_54 Start: 39950, Stop: 39696, Start Num: 11
Candidate Starts for Popstraw_54:
(Start: 11 @39950 has 10 MA's), (23, 39839), (26, 39791), (33, 39707),

Gene: Pureglobe5_59 Start: 40595, Stop: 40341, Start Num: 11
Candidate Starts for Pureglobe5_59:
(Start: 11 @40595 has 10 MA's), (23, 40484), (26, 40436), (33, 40352),

Gene: RIPWilbur_55 Start: 39465, Stop: 39211, Start Num: 11
Candidate Starts for RIPWilbur_55:
(Start: 11 @39465 has 10 MA's), (23, 39354), (26, 39306), (33, 39222),

Gene: RazzB_54 Start: 38892, Stop: 38638, Start Num: 11
Candidate Starts for RazzB_54:
(Start: 11 @38892 has 10 MA's), (23, 38781), (26, 38733), (33, 38649),

Gene: Skitty_67 Start: 36615, Stop: 36902, Start Num: 9
Candidate Starts for Skitty_67:
(7, 36588), (Start: 9 @36615 has 2 MA's), (13, 36636), (25, 36777), (28, 36819), (30, 36840), (34, 36879),

Gene: Stardrop_79 Start: 46542, Stop: 46811, Start Num: 10
Candidate Starts for Stardrop_79:
(Start: 10 @46542 has 5 MA's), (20, 46635), (22, 46644), (33, 46794),

Gene: SunnyJune_69 Start: 41270, Stop: 41527, Start Num: 10
Candidate Starts for SunnyJune_69:
(Start: 10 @41270 has 5 MA's), (21, 41366), (23, 41384), (24, 41405),

Gene: Truckee_81 Start: 51975, Stop: 52232, Start Num: 10
Candidate Starts for Truckee_81:
(6, 51927), (Start: 10 @51975 has 5 MA's), (18, 52062), (31, 52200), (33, 52212),

Gene: UBSmoodge_80 Start: 65247, Stop: 65549, Start Num: 10
Candidate Starts for UBSmoodge_80:
(4, 65175), (5, 65187), (Start: 10 @65247 has 5 MA's), (15, 65295), (19, 65337), (34, 65514),