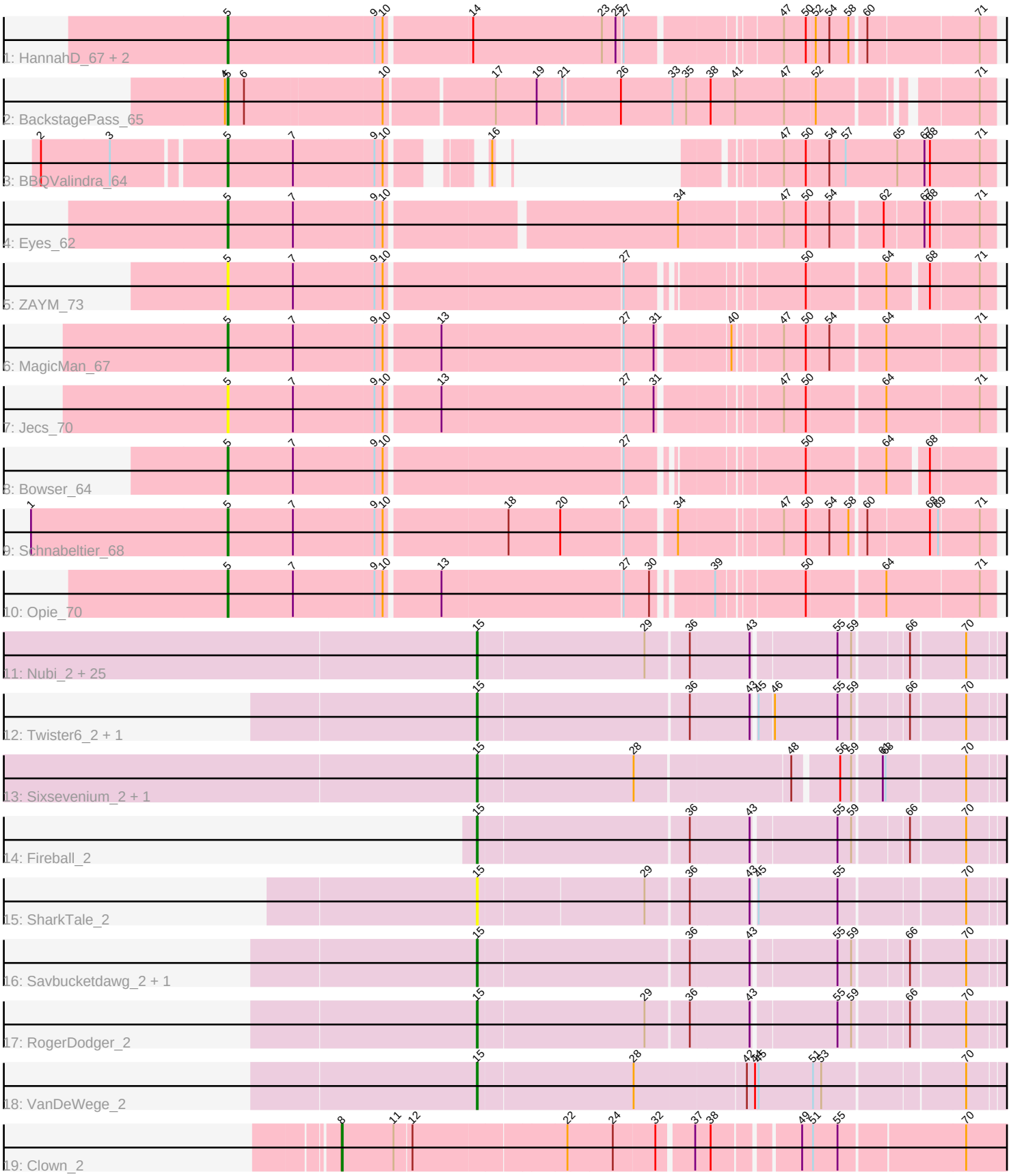
Pham 347727


1: HannahD_67 + 2
2: BackstagePass_65
3: BBQValindra_64
4: Eyes_62
5: ZAYM_73
6: MagicMan_67
7: Jecs_70
8: Bowser_64
9: Schnabeltier_68
10: Opie_70
11: Nubi_2 + 25
12: Twister6_2 + 1
13: Sixsevenium_2 + 1
14: Fireball_2
15: SharkTale_2
16: Savbucketdawg_2 + 1
17: RogerDodger_2
18: VanDeWege_2
19: Clown_2

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 347727 Report

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

Pham number 347727 has 49 members, 8 are drafts.

Phages represented in each track:
• Track 1 : HannahD_67, GEazy_70, NaLuna_69
• Track 2 : BackstagePass_65
• Track 3 : BBQValindra_64
• Track 4 : Eyes_62
• Track 5 : ZAYM_73
• Track 6 : MagicMan_67
• Track 7 : Jecs_70
• Track 8 : Bowser_64
• Track 9 : Schnabeltier_68
• Track 10 : Opie_70
• Track 11 : Nubi_2, Valary_2, SmokingBunny_2, Mutzi_2, JohnPork_2, Egi03_2, Salvador_2, Wizard_2, ClamChowder_2, TillyBobJoe_2, Arri_2, YungMoney_2, Fugax_2, Barb_2, Shinji_2, CherryCola_2, Gezellig_2, Sendy_2, PullumCavea_2, KimmyK_2, Danyall_2, Portcullis_2, PinkCoffee_2, Togo_2, CoveyB_2, Phlop_2
• Track 12 : Twister6_2, Halo3_2
• Track 13 : Sixsevenium_2, Bakery_2
• Track 14 : Fireball_2
• Track 15 : SharkTale_2
• Track 16 : Savbucketdawg_2, Jambalaya_2
• Track 17 : RogerDodger_2
• Track 18 : VanDeWege_2
• Track 19 : Clown_2

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

The start number called the most often in the published annotations is 15, it was called in 31 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arri_2, Bakery_2, Barb_2, CherryCola_2, ClamChowder_2, CoveyB_2, Danyall_2, Egi03_2, Fireball_2, Fugax_2, Gezellig_2, Halo3_2, Jambalaya_2, JohnPork_2, KimmyK_2, Mutzi_2, Nubi_2, Phlop_2, PinkCoffee_2, Portcullis_2, PullumCavea_2, RogerDodger_2, Salvador_2, Savbucketdawg_2, Sendy_2, SharkTale_2, Shinji_2, Sixsevenium_2, SmokingBunny_2, TillyBobJoe_2, Togo_2, Twister6_2, Valary_2,

VanDeWege_2, Wizard_2, YungMoney_2,

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

Genes that do not have the "Most Annotated" start:
• BBQValindra_64, BackstagePass_65, Bowser_64, Clown_2, Eyes_62, GEazy_70, HannahD_67, Jecs_70, MagicMan_67, NaLuna_69, Opie_70, Schnabeltier_68, ZAYM_73,

Summary by start number:

Start 5:
• Found in 12 of 49 (24.5%) of genes in pham
• Manual Annotations of this start: 9 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_64 (DB), BackstagePass_65 (DB), Bowser_64 (DB), Eyes_62 (DB), GEazy_70 (DB), HannahD_67 (DB), Jecs_70 (DB), MagicMan_67 (DB), NaLuna_69 (DB), Opie_70 (DB), Schnabeltier_68 (DB), ZAYM_73 (DB),

Start 8:
• Found in 1 of 49 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Clown_2 (DC2),

Start 15:
• Found in 36 of 49 (73.5%) of genes in pham
• Manual Annotations of this start: 31 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_2 (DC1), Bakery_2 (DC1), Barb_2 (DC1), CherryCola_2 (DC1), ClamChowder_2 (DC1), CoveyB_2 (DC1), Danyall_2 (DC1), Egi03_2 (DC1), Fireball_2 (DC1), Fugax_2 (DC1), Gezellig_2 (DC1), Halo3_2 (DC1), Jambalaya_2 (DC1), JohnPork_2 (DC1), KimmyK_2 (DC1), Mutzi_2 (DC1), Nubi_2 (DC1), Phlop_2 (DC1), PinkCoffee_2 (DC1), Portcullis_2 (DC1), PullumCavea_2 (DC1), RogerDodger_2 (DC1), Salvador_2 (DC1), Savbucketdawg_2 (DC1), Sendy_2 (DC1), SharkTale_2 (DC1), Shinji_2 (DC1), Sixsevenium_2 (DC1), SmokingBunny_2 (DC1), TillyBobJoe_2 (DC1), Togo_2 (DC1), Twister6_2 (DC1), Valary_2 (DC1), VanDeWege_2 (DC1), Wizard_2 (DC1), YungMoney_2 (DC1),

Summary by clusters:

There are 3 clusters represented in this pham: DC2, DB, DC1,

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

Info for manual annotations of cluster DC1:
•Start number 15 was manually annotated 31 times for cluster DC1.

Info for manual annotations of cluster DC2:
•Start number 8 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: Arri_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Arri_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: BBQValindra_64 Start: 44834, Stop: 45394, Start Num: 5
Candidate Starts for BBQValindra_64:
(2, 44642), (3, 44717), (Start: 5 @44834 has 9 MA's), (7, 44906), (9, 44993), (10, 45002), (16, 45068), (47, 45164), (50, 45188), (54, 45212), (57, 45230), (65, 45287), (67, 45317), (68, 45323), (71, 45377),

Gene: BackstagePass_65 Start: 43981, Stop: 44769, Start Num: 5
Candidate Starts for BackstagePass_65:
(4, 43978), (Start: 5 @43981 has 9 MA's), (6, 43999), (10, 44146), (17, 44260), (19, 44305), (21, 44332), (26, 44392), (33, 44449), (35, 44464), (38, 44491), (41, 44518), (47, 44572), (52, 44605), (71, 44752),

Gene: Bakery_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for Bakery_2:
(Start: 15 @528 has 31 MA's), (28, 696), (48, 858), (56, 903), (59, 915), (61, 945), (63, 948), (70, 1032),

Gene: Barb_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Barb_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Bowser_64 Start: 44312, Stop: 45085, Start Num: 5
Candidate Starts for Bowser_64:
(Start: 5 @44312 has 9 MA's), (7, 44384), (9, 44471), (10, 44480), (27, 44732), (50, 44897), (64, 44978), (68, 45017),

Gene: CherryCola_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for CherryCola_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: ClamChowder_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for ClamChowder_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Clown_2 Start: 512, Stop: 1192, Start Num: 8
Candidate Starts for Clown_2:
(Start: 8 @512 has 1 MA's), (11, 569), (12, 587), (22, 749), (24, 797), (32, 842), (37, 878), (38, 893), (49, 977), (51, 989), (55, 1016), (70, 1148),

Gene: CoveyB_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for CoveyB_2:

(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Danyall_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Danyall_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Egi03_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Egi03_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Eyes_62 Start: 44494, Stop: 45291, Start Num: 5
Candidate Starts for Eyes_62:
(Start: 5 @44494 has 9 MA's), (7, 44566), (9, 44653), (10, 44662), (34, 44965), (47, 45073), (50, 45097), (54, 45121), (62, 45175), (67, 45217), (68, 45223), (71, 45274),

Gene: Fireball_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Fireball_2:
(Start: 15 @528 has 31 MA's), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Fugax_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Fugax_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: GEazy_70 Start: 44456, Stop: 45247, Start Num: 5
Candidate Starts for GEazy_70:
(Start: 5 @44456 has 9 MA's), (9, 44615), (10, 44624), (14, 44714), (23, 44855), (25, 44870), (27, 44876), (47, 45029), (50, 45053), (52, 45062), (54, 45077), (58, 45098), (60, 45113), (71, 45230),

Gene: Gezellig_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Gezellig_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Halo3_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for Halo3_2:
(Start: 15 @528 has 31 MA's), (36, 753), (43, 816), (45, 819), (46, 834), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: HannahD_67 Start: 43823, Stop: 44614, Start Num: 5
Candidate Starts for HannahD_67:
(Start: 5 @43823 has 9 MA's), (9, 43982), (10, 43991), (14, 44081), (23, 44222), (25, 44237), (27, 44243), (47, 44396), (50, 44420), (52, 44429), (54, 44444), (58, 44465), (60, 44480), (71, 44597),

Gene: Jambalaya_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Jambalaya_2:
(Start: 15 @528 has 31 MA's), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Jecs_70 Start: 46014, Stop: 46808, Start Num: 5
Candidate Starts for Jecs_70:

(Start: 5 @46014 has 9 MA's), (7, 46086), (9, 46173), (10, 46182), (13, 46239), (27, 46434), (31, 46467), (47, 46587), (50, 46611), (64, 46692), (71, 46791),

Gene: JohnPork_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for JohnPork_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: KimmyK_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for KimmyK_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: MagicMan_67 Start: 45323, Stop: 46117, Start Num: 5
Candidate Starts for MagicMan_67:
(Start: 5 @45323 has 9 MA's), (7, 45395), (9, 45482), (10, 45491), (13, 45548), (27, 45743), (31, 45776), (40, 45848), (47, 45896), (50, 45920), (54, 45944), (64, 46001), (71, 46100),

Gene: Mutzi_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Mutzi_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: NaLuna_69 Start: 43823, Stop: 44614, Start Num: 5
Candidate Starts for NaLuna_69:
(Start: 5 @43823 has 9 MA's), (9, 43982), (10, 43991), (14, 44081), (23, 44222), (25, 44237), (27, 44243), (47, 44396), (50, 44420), (52, 44429), (54, 44444), (58, 44465), (60, 44480), (71, 44597),

Gene: Nubi_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Nubi_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Opie_70 Start: 45447, Stop: 46232, Start Num: 5
Candidate Starts for Opie_70:
(Start: 5 @45447 has 9 MA's), (7, 45519), (9, 45606), (10, 45615), (13, 45672), (27, 45867), (30, 45894), (39, 45948), (50, 46035), (64, 46116), (71, 46215),

Gene: Phlop_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Phlop_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: PinkCoffee_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for PinkCoffee_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Portcullis_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Portcullis_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: PullumCavea_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for PullumCavea_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: RogerDodger_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for RogerDodger_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Salvador_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for Salvador_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 906), (59, 921), (66, 975), (70, 1032),

Gene: Savbucketdawg_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Savbucketdawg_2:
(Start: 15 @528 has 31 MA's), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Schnabeltier_68 Start: 44620, Stop: 45414, Start Num: 5
Candidate Starts for Schnabeltier_68:
(1, 44404), (Start: 5 @44620 has 9 MA's), (7, 44692), (9, 44779), (10, 44788), (18, 44917), (20, 44974), (27, 45040), (34, 45091), (47, 45196), (50, 45220), (54, 45244), (58, 45265), (60, 45280), (68, 45346), (69, 45355), (71, 45397),

Gene: Sendy_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Sendy_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: SharkTale_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for SharkTale_2:
(Start: 15 @528 has 31 MA's), (29, 705), (36, 750), (43, 813), (45, 816), (55, 903), (70, 1032),

Gene: Shinji_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Shinji_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Sixsevenium_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for Sixsevenium_2:
(Start: 15 @528 has 31 MA's), (28, 696), (48, 858), (56, 903), (59, 915), (61, 945), (63, 948), (70, 1032),

Gene: SmokingBunny_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for SmokingBunny_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 906), (59, 921), (66, 975), (70, 1032),

Gene: TillyBobJoe_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for TillyBobJoe_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 906), (59, 921), (66, 975), (70, 1032),

Gene: Togo_2 Start: 528, Stop: 1070, Start Num: 15
Candidate Starts for Togo_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 906), (59, 921), (66, 975), (70, 1032),

Gene: Twister6_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Twister6_2:
(Start: 15 @528 has 31 MA's), (36, 753), (43, 816), (45, 819), (46, 834), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: Valary_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Valary_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: VanDeWege_2 Start: 528, Stop: 1079, Start Num: 15
Candidate Starts for VanDeWege_2:
(Start: 15 @528 has 31 MA's), (28, 696), (42, 813), (44, 822), (45, 825), (51, 885), (53, 894), (70, 1041),

Gene: Wizard_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for Wizard_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: YungMoney_2 Start: 528, Stop: 1067, Start Num: 15
Candidate Starts for YungMoney_2:
(Start: 15 @528 has 31 MA's), (29, 708), (36, 753), (43, 816), (55, 903), (59, 918), (66, 972), (70, 1029),

Gene: ZAYM_73 Start: 44855, Stop: 45628, Start Num: 5
Candidate Starts for ZAYM_73:
(Start: 5 @44855 has 9 MA's), (7, 44927), (9, 45014), (10, 45023), (27, 45275), (50, 45440), (64, 45521), (68, 45560), (71, 45611),