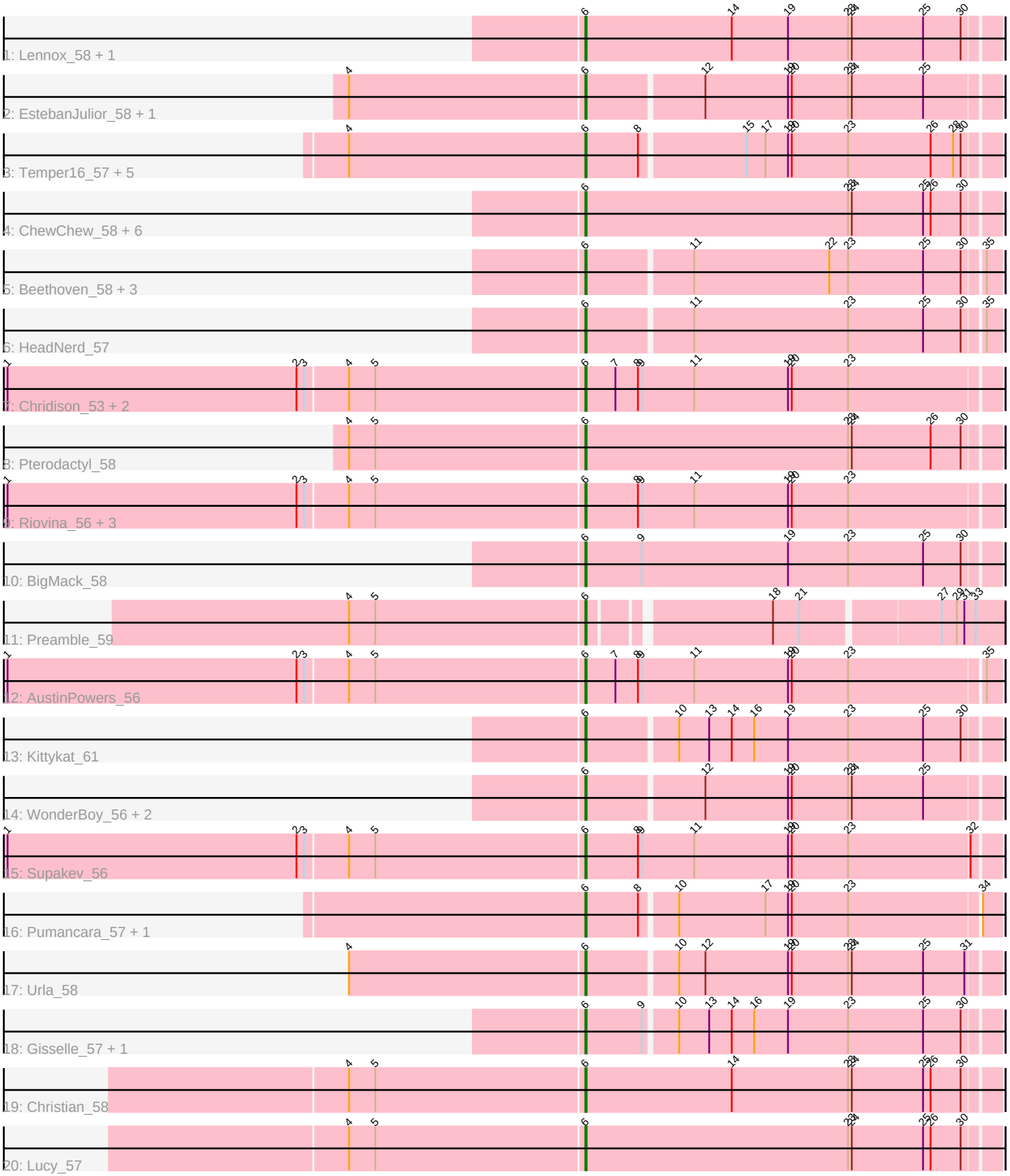
Pham 345865


1: Lennox_58 + 1
2: EstebanJulior_58 + 1
3: Temper16_57 + 5
4: ChewChew_58 + 6
5: Beethoven_58 + 3
6: HeadNerd_57
7: Chridison_53 + 2
8: Pterodactyl_58
9: Riovina_56 + 3
10: BigMack_58
11: Preamble_59
12: AustinPowers_56
13: Kittykat_61
14: WonderBoy_56 + 2
15: Supakev_56
16: Pumancara_57 + 1
17: Urla_58
18: Gisselle_57 + 1
19: Christian_58
20: Lucy_57

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 345865 Report

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

Pham number 345865 has 45 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Lennox_58, PitaDog_58
• Track 2 : EstebanJulior_58, MamaPearl_58
• Track 3 : Temper16_57, Sergei_57, Maria1952_56, Daiboju_57, KingBob_57, Herb_57
• Track 4 : ChewChew_58, LilStuart_57, CristinaYang_58, Bodacious_58, Lasagna_56, DrRobert_56, Nancia_58
• Track 5 : Beethoven_58, Bennie_58, Moki_57, Huckleberry_57
• Track 6 : HeadNerd_57
• Track 7 : Chridison_53, HunterDalle_56, Vulture_56
• Track 8 : Pterodactyl_58
• Track 9 : Riovina_56, OMalley_56, Eunoia_58, Aledel_56
• Track 10 : BigMack_58
• Track 11 : Preamble_59
• Track 12 : AustinPowers_56
• Track 13 : Kittykat_61
• Track 14 : WonderBoy_56, OurGirlNessie_56, Makoto_57
• Track 15 : Supakev_56
• Track 16 : Pumancara_57, PinkFriday_57
• Track 17 : Urla_58
• Track 18 : Gisselle_57, DreamTeam_57
• Track 19 : Christian_58
• Track 20 : Lucy_57

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

The start number called the most often in the published annotations is 6, it was called in 45 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aledel_56, AustinPowers_56, Beethoven_58, Bennie_58, BigMack_58, Bodacious_58, ChewChew_58, Chridison_53, Christian_58, CristinaYang_58, Daiboju_57, DrRobert_56, DreamTeam_57, EstebanJulior_58, Eunoia_58, Gisselle_57, HeadNerd_57, Herb_57, Huckleberry_57, HunterDalle_56, KingBob_57, Kittykat_61, Lasagna_56, Lennox_58, LilStuart_57, Lucy_57, Makoto_57,

MamaPearl_58, Maria1952_56, Moki_57, Nancia_58, OMalley_56, OurGirlNessie_56, PinkFriday_57, PitaDog_58, Preamble_59, Pterodactyl_58, Pumancara_57, Riovina_56, Sergei_57, Supakev_56, Temper16_57, Urla_58, Vulture_56, WonderBoy_56,

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 6:
• Found in 45 of 45 (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: Aledel_56 (AK), AustinPowers_56 (AK), Beethoven_58 (AK), Bennie_58 (AK), BigMack_58 (AK), Bodacious_58 (AK), ChewChew_58 (AK), Chridison_53 (AK), Christian_58 (AK), CristinaYang_58 (AK), Daiboju_57 (AK), DrRobert_56 (AK), DreamTeam_57 (AK), EstebanJulior_58 (AK), Eunoia_58 (AK), Gisselle_57 (AK), HeadNerd_57 (AK), Herb_57 (AK), Huckleberry_57 (AK), HunterDalle_56 (AK), KingBob_57 (AK), Kittykat_61 (AK), Lasagna_56 (AK), Lennox_58 (AK), LilStuart_57 (AK), Lucy_57 (AK), Makoto_57 (AK), MamaPearl_58 (AK), Maria1952_56 (AK), Moki_57 (AK), Nancia_58 (AK), OMalley_56 (AK), OurGirlNessie_56 (AK), PinkFriday_57 (AK), PitaDog_58 (AK), Preamble_59 (AK), Pterodactyl_58 (AK), Pumancara_57 (AK), Riovina_56 (AK), Sergei_57 (AK), Supakev_56 (AK), Temper16_57 (AK), Urla_58 (AK), Vulture_56 (AK), WonderBoy_56 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 6 was manually annotated 45 times for cluster AK.

Gene Information:

Gene: Aledel_56 Start: 42348, Stop: 42674, Start Num: 6
Candidate Starts for Aledel_56:
(1, 41892), (2, 42123), (3, 42129), (4, 42162), (5, 42183), (Start: 6 @42348 has 45 MA's), (8, 42390), (9, 42393), (11, 42435), (19, 42510), (20, 42513), (23, 42558),

Gene: AustinPowers_56 Start: 42370, Stop: 42696, Start Num: 6
Candidate Starts for AustinPowers_56:
(1, 41914), (2, 42145), (3, 42151), (4, 42184), (5, 42205), (Start: 6 @42370 has 45 MA's), (7, 42394), (8, 42412), (9, 42415), (11, 42457), (19, 42532), (20, 42535), (23, 42580), (35, 42685),

Gene: Beethoven_58 Start: 42471, Stop: 42791, Start Num: 6
Candidate Starts for Beethoven_58:

(Start: 6 @42471 has 45 MA's), (11, 42552), (22, 42660), (23, 42675), (25, 42735), (30, 42765), (35, 42780),

Gene: Bennie_58 Start: 41611, Stop: 41931, Start Num: 6
Candidate Starts for Bennie_58:
(Start: 6 @41611 has 45 MA's), (11, 41692), (22, 41800), (23, 41815), (25, 41875), (30, 41905), (35, 41920),

Gene: BigMack_58 Start: 42060, Stop: 42386, Start Num: 6
Candidate Starts for BigMack_58:
(Start: 6 @42060 has 45 MA's), (9, 42105), (19, 42222), (23, 42270), (25, 42330), (30, 42360),

Gene: Bodacious_58 Start: 42033, Stop: 42359, Start Num: 6
Candidate Starts for Bodacious_58:
(Start: 6 @42033 has 45 MA's), (23, 42243), (24, 42246), (25, 42303), (26, 42309), (30, 42333),

Gene: ChewChew_58 Start: 42163, Stop: 42489, Start Num: 6
Candidate Starts for ChewChew_58:
(Start: 6 @42163 has 45 MA's), (23, 42373), (24, 42376), (25, 42433), (26, 42439), (30, 42463),

Gene: Chridison_53 Start: 41626, Stop: 41952, Start Num: 6
Candidate Starts for Chridison_53:
(1, 41170), (2, 41401), (3, 41407), (4, 41440), (5, 41461), (Start: 6 @41626 has 45 MA's), (7, 41650), (8, 41668), (9, 41671), (11, 41713), (19, 41788), (20, 41791), (23, 41836),

Gene: Christian_58 Start: 41875, Stop: 42201, Start Num: 6
Candidate Starts for Christian_58:
(4, 41689), (5, 41710), (Start: 6 @41875 has 45 MA's), (14, 41992), (23, 42085), (24, 42088), (25, 42145), (26, 42151), (30, 42175),

Gene: CristinaYang_58 Start: 42160, Stop: 42486, Start Num: 6
Candidate Starts for CristinaYang_58:
(Start: 6 @42160 has 45 MA's), (23, 42370), (24, 42373), (25, 42430), (26, 42436), (30, 42460),

Gene: Daiboju_57 Start: 42745, Stop: 43065, Start Num: 6
Candidate Starts for Daiboju_57:
(4, 42556), (Start: 6 @42745 has 45 MA's), (8, 42787), (15, 42868), (17, 42883), (19, 42901), (20, 42904), (23, 42949), (26, 43015), (28, 43033), (30, 43039),

Gene: DrRobert_56 Start: 41394, Stop: 41720, Start Num: 6
Candidate Starts for DrRobert_56:
(Start: 6 @41394 has 45 MA's), (23, 41604), (24, 41607), (25, 41664), (26, 41670), (30, 41694),

Gene: DreamTeam_57 Start: 41776, Stop: 42096, Start Num: 6
Candidate Starts for DreamTeam_57:
(Start: 6 @41776 has 45 MA's), (9, 41821), (10, 41845), (13, 41869), (14, 41887), (16, 41905), (19, 41932), (23, 41980), (25, 42040), (30, 42070),

Gene: EstebanJulior_58 Start: 42553, Stop: 42873, Start Num: 6
Candidate Starts for EstebanJulior_58:
(4, 42367), (Start: 6 @42553 has 45 MA's), (12, 42643), (19, 42709), (20, 42712), (23, 42757), (24, 42760), (25, 42817),

Gene: Eunoia_58 Start: 43025, Stop: 43351, Start Num: 6
Candidate Starts for Eunoia_58:
(1, 42569), (2, 42800), (3, 42806), (4, 42839), (5, 42860), (Start: 6 @43025 has 45 MA's), (8, 43067), (9, 43070), (11, 43112), (19, 43187), (20, 43190), (23, 43235),

Gene: Gisselle_57 Start: 41776, Stop: 42096, Start Num: 6
Candidate Starts for Gisselle_57:
(Start: 6 @41776 has 45 MA's), (9, 41821), (10, 41845), (13, 41869), (14, 41887), (16, 41905), (19, 41932), (23, 41980), (25, 42040), (30, 42070),

Gene: HeadNerd_57 Start: 41505, Stop: 41825, Start Num: 6
Candidate Starts for HeadNerd_57:
(Start: 6 @41505 has 45 MA's), (11, 41586), (23, 41709), (25, 41769), (30, 41799), (35, 41814),

Gene: Herb_57 Start: 42744, Stop: 43064, Start Num: 6
Candidate Starts for Herb_57:
(4, 42555), (Start: 6 @42744 has 45 MA's), (8, 42786), (15, 42867), (17, 42882), (19, 42900), (20, 42903), (23, 42948), (26, 43014), (28, 43032), (30, 43038),

Gene: Huckleberry_57 Start: 41509, Stop: 41829, Start Num: 6
Candidate Starts for Huckleberry_57:
(Start: 6 @41509 has 45 MA's), (11, 41590), (22, 41698), (23, 41713), (25, 41773), (30, 41803), (35, 41818),

Gene: HunterDalle_56 Start: 41947, Stop: 42273, Start Num: 6
Candidate Starts for HunterDalle_56:
(1, 41491), (2, 41722), (3, 41728), (4, 41761), (5, 41782), (Start: 6 @41947 has 45 MA's), (7, 41971), (8, 41989), (9, 41992), (11, 42034), (19, 42109), (20, 42112), (23, 42157),

Gene: KingBob_57 Start: 42745, Stop: 43065, Start Num: 6
Candidate Starts for KingBob_57:
(4, 42556), (Start: 6 @42745 has 45 MA's), (8, 42787), (15, 42868), (17, 42883), (19, 42901), (20, 42904), (23, 42949), (26, 43015), (28, 43033), (30, 43039),

Gene: Kittykat_61 Start: 42290, Stop: 42610, Start Num: 6
Candidate Starts for Kittykat_61:
(Start: 6 @42290 has 45 MA's), (10, 42359), (13, 42383), (14, 42401), (16, 42419), (19, 42446), (23, 42494), (25, 42554), (30, 42584),

Gene: Lasagna_56 Start: 41396, Stop: 41722, Start Num: 6
Candidate Starts for Lasagna_56:
(Start: 6 @41396 has 45 MA's), (23, 41606), (24, 41609), (25, 41666), (26, 41672), (30, 41696),

Gene: Lennox_58 Start: 41881, Stop: 42207, Start Num: 6
Candidate Starts for Lennox_58:
(Start: 6 @41881 has 45 MA's), (14, 41998), (19, 42043), (23, 42091), (24, 42094), (25, 42151), (30, 42181),

Gene: LilStuart_57 Start: 41744, Stop: 42070, Start Num: 6
Candidate Starts for LilStuart_57:
(Start: 6 @41744 has 45 MA's), (23, 41954), (24, 41957), (25, 42014), (26, 42020), (30, 42044),

Gene: Lucy_57 Start: 41739, Stop: 42065, Start Num: 6

Candidate Starts for Lucy_57:
(4, 41553), (5, 41574), (Start: 6 @41739 has 45 MA's), (23, 41949), (24, 41952), (25, 42009), (26, 42015), (30, 42039),

Gene: Makoto_57 Start: 41637, Stop: 41957, Start Num: 6
Candidate Starts for Makoto_57:
(Start: 6 @41637 has 45 MA's), (12, 41727), (19, 41793), (20, 41796), (23, 41841), (24, 41844), (25, 41901),

Gene: MamaPearl_58 Start: 42553, Stop: 42873, Start Num: 6
Candidate Starts for MamaPearl_58:
(4, 42367), (Start: 6 @42553 has 45 MA's), (12, 42643), (19, 42709), (20, 42712), (23, 42757), (24, 42760), (25, 42817),

Gene: Maria1952_56 Start: 42744, Stop: 43064, Start Num: 6
Candidate Starts for Maria1952_56:
(4, 42555), (Start: 6 @42744 has 45 MA's), (8, 42786), (15, 42867), (17, 42882), (19, 42900), (20, 42903), (23, 42948), (26, 43014), (28, 43032), (30, 43038),

Gene: Moki_57 Start: 41698, Stop: 42018, Start Num: 6
Candidate Starts for Moki_57:
(Start: 6 @41698 has 45 MA's), (11, 41779), (22, 41887), (23, 41902), (25, 41962), (30, 41992), (35, 42007),

Gene: Nancia_58 Start: 42032, Stop: 42358, Start Num: 6
Candidate Starts for Nancia_58:
(Start: 6 @42032 has 45 MA's), (23, 42242), (24, 42245), (25, 42302), (26, 42308), (30, 42332),

Gene: OMalley_56 Start: 42348, Stop: 42674, Start Num: 6
Candidate Starts for OMalley_56:
(1, 41892), (2, 42123), (3, 42129), (4, 42162), (5, 42183), (Start: 6 @42348 has 45 MA's), (8, 42390), (9, 42393), (11, 42435), (19, 42510), (20, 42513), (23, 42558),

Gene: OurGirlNessie_56 Start: 41361, Stop: 41681, Start Num: 6
Candidate Starts for OurGirlNessie_56:
(Start: 6 @41361 has 45 MA's), (12, 41451), (19, 41517), (20, 41520), (23, 41565), (24, 41568), (25, 41625),

Gene: PinkFriday_57 Start: 41994, Stop: 42314, Start Num: 6
Candidate Starts for PinkFriday_57:
(Start: 6 @41994 has 45 MA's), (8, 42036), (10, 42063), (17, 42132), (19, 42150), (20, 42153), (23, 42198), (34, 42300),

Gene: PitaDog_58 Start: 41757, Stop: 42083, Start Num: 6
Candidate Starts for PitaDog_58:
(Start: 6 @41757 has 45 MA's), (14, 41874), (19, 41919), (23, 41967), (24, 41970), (25, 42027), (30, 42057),

Gene: Preamble_59 Start: 41948, Stop: 42256, Start Num: 6
Candidate Starts for Preamble_59:
(4, 41762), (5, 41783), (Start: 6 @41948 has 45 MA's), (18, 42080), (21, 42101), (27, 42206), (29, 42218), (31, 42224), (33, 42233),

Gene: Pterodactyl_58 Start: 41998, Stop: 42324, Start Num: 6
Candidate Starts for Pterodactyl_58:
(4, 41812), (5, 41833), (Start: 6 @41998 has 45 MA's), (23, 42208), (24, 42211), (26, 42274), (30, 42298),

Gene: Pumancara_57 Start: 41658, Stop: 41978, Start Num: 6
Candidate Starts for Pumancara_57:
(Start: 6 @41658 has 45 MA's), (8, 41700), (10, 41727), (17, 41796), (19, 41814), (20, 41817), (23, 41862), (34, 41964),

Gene: Riovina_56 Start: 42348, Stop: 42674, Start Num: 6
Candidate Starts for Riovina_56:
(1, 41892), (2, 42123), (3, 42129), (4, 42162), (5, 42183), (Start: 6 @42348 has 45 MA's), (8, 42390), (9, 42393), (11, 42435), (19, 42510), (20, 42513), (23, 42558),

Gene: Sergei_57 Start: 42745, Stop: 43065, Start Num: 6
Candidate Starts for Sergei_57:
(4, 42556), (Start: 6 @42745 has 45 MA's), (8, 42787), (15, 42868), (17, 42883), (19, 42901), (20, 42904), (23, 42949), (26, 43015), (28, 43033), (30, 43039),

Gene: Supakev_56 Start: 42375, Stop: 42701, Start Num: 6
Candidate Starts for Supakev_56:
(1, 41919), (2, 42150), (3, 42156), (4, 42189), (5, 42210), (Start: 6 @42375 has 45 MA's), (8, 42417), (9, 42420), (11, 42462), (19, 42537), (20, 42540), (23, 42585), (32, 42681),

Gene: Temper16_57 Start: 42745, Stop: 43065, Start Num: 6
Candidate Starts for Temper16_57:
(4, 42556), (Start: 6 @42745 has 45 MA's), (8, 42787), (15, 42868), (17, 42883), (19, 42901), (20, 42904), (23, 42949), (26, 43015), (28, 43033), (30, 43039),

Gene: Urla_58 Start: 42698, Stop: 43018, Start Num: 6
Candidate Starts for Urla_58:
(4, 42512), (Start: 6 @42698 has 45 MA's), (10, 42767), (12, 42788), (19, 42854), (20, 42857), (23, 42902), (24, 42905), (25, 42962), (31, 42995),

Gene: Vulture_56 Start: 41947, Stop: 42273, Start Num: 6
Candidate Starts for Vulture_56:
(1, 41491), (2, 41722), (3, 41728), (4, 41761), (5, 41782), (Start: 6 @41947 has 45 MA's), (7, 41971), (8, 41989), (9, 41992), (11, 42034), (19, 42109), (20, 42112), (23, 42157),

Gene: WonderBoy_56 Start: 41465, Stop: 41785, Start Num: 6
Candidate Starts for WonderBoy_56:
(Start: 6 @41465 has 45 MA's), (12, 41555), (19, 41621), (20, 41624), (23, 41669), (24, 41672), (25, 41729),