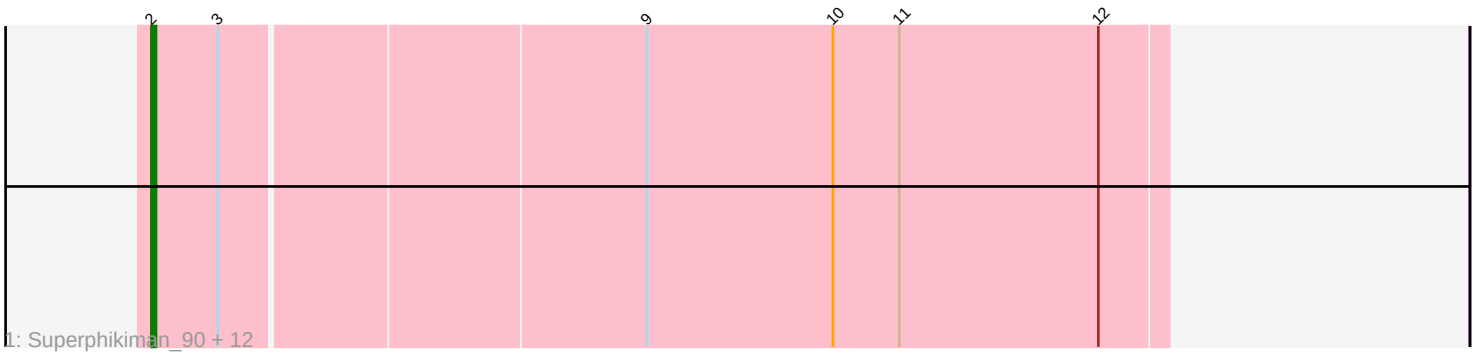
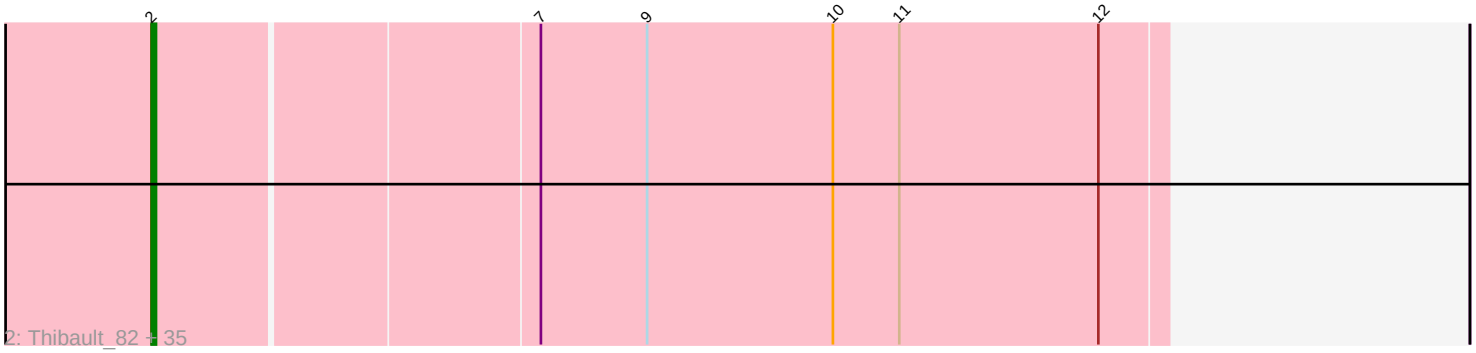
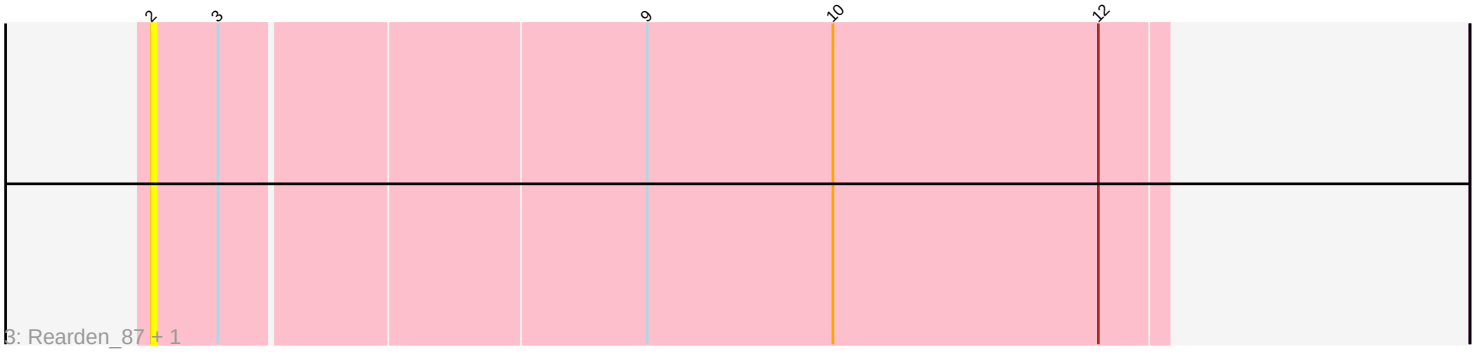
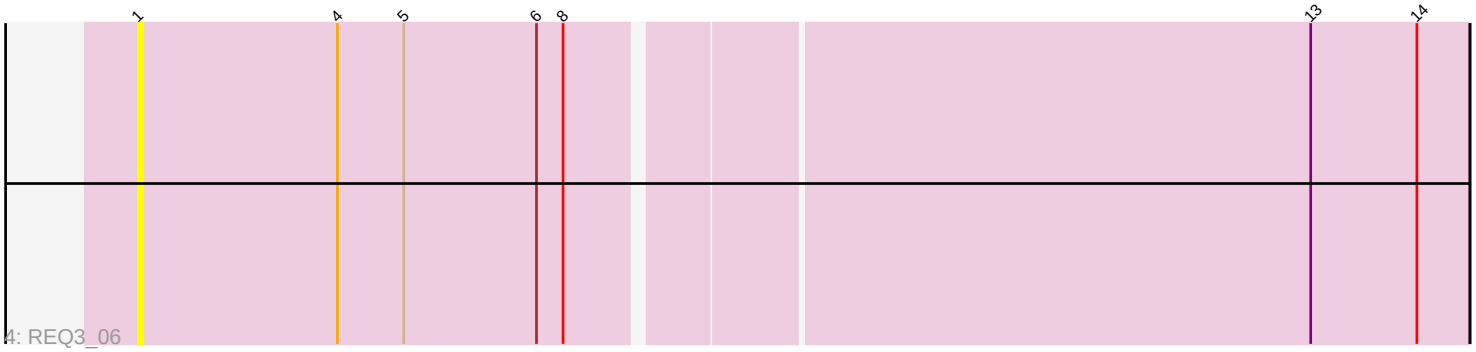
Pham 347700


2
3
9
10
11
12
1: Superphikiman_90 + 12


2
7
9
10
11
12
2: Thibault_82 + 35


2
3
9
10
12
3: Rearden_87 + 1


1
4
5
6
8
13
14
4: REQ3_06

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 347700 Report

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

Pham number 347700 has 52 members, 11 are drafts.

Phages represented in each track:
• Track 1 : Superphikiman_90, BronnyJames_92, Squint_91, Shaboozey_91, MiaZeal_93, Lucky2013_90, Porcelain_91, LittleE_96, Courthouse_88, Nibley_86, Gonephishing_85, Ariel_92, Omega_102
• Track 2 : Thibault_82, Dove_83, Yeet_90, Kalah2_91, Beem_98, Bagrid_97, Schatzie_92, ThreeRngTarjay_94, Hannaconda_84, Marleymoo_79, KashFlow_88, DmpstrDiver_99, Redno2_89, Ejimix_91, HokkenD_86, Halley_99, Xiaokay_87, Hidrated_84, Bobby_89, Klein_98, JuicyJay_94, EricMillard_91, Bombitas_86, Optimus_91, BAKA_99, Dallas_99, NihilNomen_99, Wanda_101, Minerva_97, Pound_89, Hughesyang_97, Zelink_94, Phoebus_99, Odette_97, Duke13_94, Constella_83
• Track 3 : Rearden_87, Nekros_95
• Track 4 : REQ3_06

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 41 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_92, BAKA_99, Bagrid_97, Beem_98, Bobby_89, Bombitas_86, BronnyJames_92, Constella_83, Courthouse_88, Dallas_99, DmpstrDiver_99, Dove_83, Duke13_94, Ejimix_91, EricMillard_91, Gonephishing_85, Halley_99, Hannaconda_84, Hidrated_84, HokkenD_86, Hughesyang_97, JuicyJay_94, Kalah2_91, KashFlow_88, Klein_98, LittleE_96, Lucky2013_90, Marleymoo_79, MiaZeal_93, Minerva_97, Nekros_95, Nibley_86, NihilNomen_99, Odette_97, Omega_102, Optimus_91, Phoebus_99, Porcelain_91, Pound_89, Rearden_87, Redno2_89, Schatzie_92, Shaboozey_91, Squint_91, Superphikiman_90, Thibault_82, ThreeRngTarjay_94, Wanda_101, Xiaokay_87, Yeet_90, Zelink_94,

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

Genes that do not have the "Most Annotated" start:
• REQ3_06,

Summary by start number:

Start 1:
• Found in 1 of 52 (1.9%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: REQ3_06 (singleton),

Start 2:
• Found in 51 of 52 (98.1%) of genes in pham
• Manual Annotations of this start: 41 of 41
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_92 (J), BAKA_99 (J), Bagrid_97 (J), Beem_98 (J), Bobby_89 (J), Bombitas_86 (J), BronnyJames_92 (J), Constella_83 (J), Courthouse_88 (J), Dallas_99 (J), DmpstrDiver_99 (J), Dove_83 (J), Duke13_94 (J), Ejimix_91 (J), EricMillard_91 (J), Gonephishing_85 (J), Halley_99 (J), Hannaconda_84 (J), Hidrated_84 (J), HokkenD_86 (J), Hughesyang_97 (J), JuicyJay_94 (J), Kalah2_91 (J), KashFlow_88 (J), Klein_98 (J), LittleE_96 (J), Lucky2013_90 (J), Marleymoo_79 (J), MiaZeal_93 (J), Minerva_97 (J), Nekros_95 (J), Nibley_86 (J), NihilNomen_99 (J), Odette_97 (J), Omega_102 (J), Optimus_91 (J), Phoebus_99 (J), Porcelain_91 (J), Pound_89 (J), Rearden_87 (J), Redno2_89 (J), Schatzie_92 (J), Shaboozey_91 (J), Squint_91 (J), Superphikiman_90 (J), Thibault_82 (J), ThreeRngTarjay_94 (J), Wanda_101 (J), Xiaokay_87 (J), Yeet_90 (J), Zelink_94 (J),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, J,

Info for manual annotations of cluster J:
•Start number 2 was manually annotated 41 times for cluster J.

Gene Information:

Gene: Ariel_92 Start: 54277, Stop: 54501, Start Num: 2
Candidate Starts for Ariel_92:
(Start: 2 @54277 has 41 MA's), (3, 54292), (9, 54385), (10, 54427), (11, 54442), (12, 54487),

Gene: BAKA_99 Start: 60178, Stop: 60402, Start Num: 2
Candidate Starts for BAKA_99:
(Start: 2 @60178 has 41 MA's), (7, 60262), (9, 60286), (10, 60328), (11, 60343), (12, 60388),

Gene: Bagrid_97 Start: 59045, Stop: 59269, Start Num: 2
Candidate Starts for Bagrid_97:
(Start: 2 @59045 has 41 MA's), (7, 59129), (9, 59153), (10, 59195), (11, 59210), (12, 59255),

Gene: Beem_98 Start: 59906, Stop: 60130, Start Num: 2
Candidate Starts for Beem_98:
(Start: 2 @59906 has 41 MA's), (7, 59990), (9, 60014), (10, 60056), (11, 60071), (12, 60116),

Gene: Bobby_89 Start: 58271, Stop: 58495, Start Num: 2
Candidate Starts for Bobby_89:
(Start: 2 @58271 has 41 MA's), (7, 58355), (9, 58379), (10, 58421), (11, 58436), (12, 58481),

Gene: Bombitas_86 Start: 57069, Stop: 57293, Start Num: 2
Candidate Starts for Bombitas_86:
(Start: 2 @57069 has 41 MA's), (7, 57153), (9, 57177), (10, 57219), (11, 57234), (12, 57279),

Gene: BronnyJames_92 Start: 54759, Stop: 54983, Start Num: 2
Candidate Starts for BronnyJames_92:
(Start: 2 @54759 has 41 MA's), (3, 54774), (9, 54867), (10, 54909), (11, 54924), (12, 54969),

Gene: Constella_83 Start: 54075, Stop: 54299, Start Num: 2
Candidate Starts for Constella_83:
(Start: 2 @54075 has 41 MA's), (7, 54159), (9, 54183), (10, 54225), (11, 54240), (12, 54285),

Gene: Courthouse_88 Start: 53877, Stop: 54101, Start Num: 2
Candidate Starts for Courthouse_88:
(Start: 2 @53877 has 41 MA's), (3, 53892), (9, 53985), (10, 54027), (11, 54042), (12, 54087),

Gene: Dallas_99 Start: 59914, Stop: 60138, Start Num: 2
Candidate Starts for Dallas_99:
(Start: 2 @59914 has 41 MA's), (7, 59998), (9, 60022), (10, 60064), (11, 60079), (12, 60124),

Gene: DmpstrDiver_99 Start: 59337, Stop: 59561, Start Num: 2
Candidate Starts for DmpstrDiver_99:
(Start: 2 @59337 has 41 MA's), (7, 59421), (9, 59445), (10, 59487), (11, 59502), (12, 59547),

Gene: Dove_83 Start: 55335, Stop: 55559, Start Num: 2
Candidate Starts for Dove_83:
(Start: 2 @55335 has 41 MA's), (7, 55419), (9, 55443), (10, 55485), (11, 55500), (12, 55545),

Gene: Duke13_94 Start: 57846, Stop: 58070, Start Num: 2
Candidate Starts for Duke13_94:
(Start: 2 @57846 has 41 MA's), (7, 57930), (9, 57954), (10, 57996), (11, 58011), (12, 58056),

Gene: Ejimix_91 Start: 59633, Stop: 59857, Start Num: 2
Candidate Starts for Ejimix_91:
(Start: 2 @59633 has 41 MA's), (7, 59717), (9, 59741), (10, 59783), (11, 59798), (12, 59843),

Gene: EricMillard_91 Start: 58974, Stop: 59198, Start Num: 2
Candidate Starts for EricMillard_91:
(Start: 2 @58974 has 41 MA's), (7, 59058), (9, 59082), (10, 59124), (11, 59139), (12, 59184),

Gene: Gonephishing_85 Start: 53438, Stop: 53662, Start Num: 2
Candidate Starts for Gonephishing_85:
(Start: 2 @53438 has 41 MA's), (3, 53453), (9, 53546), (10, 53588), (11, 53603), (12, 53648),

Gene: Halley_99 Start: 59907, Stop: 60131, Start Num: 2
Candidate Starts for Halley_99:
(Start: 2 @59907 has 41 MA's), (7, 59991), (9, 60015), (10, 60057), (11, 60072), (12, 60117),

Gene: Hannaconda_84 Start: 52847, Stop: 53071, Start Num: 2

Candidate Starts for Hannaconda_84:
(Start: 2 @52847 has 41 MA's), (7, 52931), (9, 52955), (10, 52997), (11, 53012), (12, 53057),

Gene: Hidrated_84 Start: 57796, Stop: 58020, Start Num: 2
Candidate Starts for Hidrated_84:
(Start: 2 @57796 has 41 MA's), (7, 57880), (9, 57904), (10, 57946), (11, 57961), (12, 58006),

Gene: HokkenD_86 Start: 58176, Stop: 58400, Start Num: 2
Candidate Starts for HokkenD_86:
(Start: 2 @58176 has 41 MA's), (7, 58260), (9, 58284), (10, 58326), (11, 58341), (12, 58386),

Gene: Hughesyang_97 Start: 59865, Stop: 60089, Start Num: 2
Candidate Starts for Hughesyang_97:
(Start: 2 @59865 has 41 MA's), (7, 59949), (9, 59973), (10, 60015), (11, 60030), (12, 60075),

Gene: JuicyJay_94 Start: 61041, Stop: 61265, Start Num: 2
Candidate Starts for JuicyJay_94:
(Start: 2 @61041 has 41 MA's), (7, 61125), (9, 61149), (10, 61191), (11, 61206), (12, 61251),

Gene: Kalah2_91 Start: 59200, Stop: 59424, Start Num: 2
Candidate Starts for Kalah2_91:
(Start: 2 @59200 has 41 MA's), (7, 59284), (9, 59308), (10, 59350), (11, 59365), (12, 59410),

Gene: KashFlow_88 Start: 54408, Stop: 54632, Start Num: 2
Candidate Starts for KashFlow_88:
(Start: 2 @54408 has 41 MA's), (7, 54492), (9, 54516), (10, 54558), (11, 54573), (12, 54618),

Gene: Klein_98 Start: 58907, Stop: 59131, Start Num: 2
Candidate Starts for Klein_98:
(Start: 2 @58907 has 41 MA's), (7, 58991), (9, 59015), (10, 59057), (11, 59072), (12, 59117),

Gene: LittleE_96 Start: 57973, Stop: 58197, Start Num: 2
Candidate Starts for LittleE_96:
(Start: 2 @57973 has 41 MA's), (3, 57988), (9, 58081), (10, 58123), (11, 58138), (12, 58183),

Gene: Lucky2013_90 Start: 54293, Stop: 54517, Start Num: 2
Candidate Starts for Lucky2013_90:
(Start: 2 @54293 has 41 MA's), (3, 54308), (9, 54401), (10, 54443), (11, 54458), (12, 54503),

Gene: Marleymoo_79 Start: 56062, Stop: 56286, Start Num: 2
Candidate Starts for Marleymoo_79:
(Start: 2 @56062 has 41 MA's), (7, 56146), (9, 56170), (10, 56212), (11, 56227), (12, 56272),

Gene: MiaZeal_93 Start: 54949, Stop: 55173, Start Num: 2
Candidate Starts for MiaZeal_93:
(Start: 2 @54949 has 41 MA's), (3, 54964), (9, 55057), (10, 55099), (11, 55114), (12, 55159),

Gene: Minerva_97 Start: 59852, Stop: 60076, Start Num: 2
Candidate Starts for Minerva_97:
(Start: 2 @59852 has 41 MA's), (7, 59936), (9, 59960), (10, 60002), (11, 60017), (12, 60062),

Gene: Nekros_95 Start: 57908, Stop: 58132, Start Num: 2
Candidate Starts for Nekros_95:

(Start: 2 @57908 has 41 MA's), (3, 57923), (9, 58016), (10, 58058), (12, 58118),

Gene: Nibley_86 Start: 54336, Stop: 54560, Start Num: 2
Candidate Starts for Nibley_86:
(Start: 2 @54336 has 41 MA's), (3, 54351), (9, 54444), (10, 54486), (11, 54501), (12, 54546),

Gene: NihilNomen_99 Start: 59993, Stop: 60217, Start Num: 2
Candidate Starts for NihilNomen_99:
(Start: 2 @59993 has 41 MA's), (7, 60077), (9, 60101), (10, 60143), (11, 60158), (12, 60203),

Gene: Odette_97 Start: 59036, Stop: 59260, Start Num: 2
Candidate Starts for Odette_97:
(Start: 2 @59036 has 41 MA's), (7, 59120), (9, 59144), (10, 59186), (11, 59201), (12, 59246),

Gene: Omega_102 Start: 59746, Stop: 59970, Start Num: 2
Candidate Starts for Omega_102:
(Start: 2 @59746 has 41 MA's), (3, 59761), (9, 59854), (10, 59896), (11, 59911), (12, 59956),

Gene: Optimus_91 Start: 58527, Stop: 58751, Start Num: 2
Candidate Starts for Optimus_91:
(Start: 2 @58527 has 41 MA's), (7, 58611), (9, 58635), (10, 58677), (11, 58692), (12, 58737),

Gene: Phoebus_99 Start: 61176, Stop: 61400, Start Num: 2
Candidate Starts for Phoebus_99:
(Start: 2 @61176 has 41 MA's), (7, 61260), (9, 61284), (10, 61326), (11, 61341), (12, 61386),

Gene: Porcelain_91 Start: 54949, Stop: 55173, Start Num: 2
Candidate Starts for Porcelain_91:
(Start: 2 @54949 has 41 MA's), (3, 54964), (9, 55057), (10, 55099), (11, 55114), (12, 55159),

Gene: Pound_89 Start: 59204, Stop: 59428, Start Num: 2
Candidate Starts for Pound_89:
(Start: 2 @59204 has 41 MA's), (7, 59288), (9, 59312), (10, 59354), (11, 59369), (12, 59414),

Gene: REQ3_06 Start: 2988, Stop: 3281, Start Num: 1
Candidate Starts for REQ3_06:
(1, 2988), (4, 3033), (5, 3048), (6, 3078), (8, 3084), (13, 3246), (14, 3270),

Gene: Rearden_87 Start: 55132, Stop: 55356, Start Num: 2
Candidate Starts for Rearden_87:
(Start: 2 @55132 has 41 MA's), (3, 55147), (9, 55240), (10, 55282), (12, 55342),

Gene: Redno2_89 Start: 55727, Stop: 55951, Start Num: 2
Candidate Starts for Redno2_89:
(Start: 2 @55727 has 41 MA's), (7, 55811), (9, 55835), (10, 55877), (11, 55892), (12, 55937),

Gene: Schatzie_92 Start: 58783, Stop: 59007, Start Num: 2
Candidate Starts for Schatzie_92:
(Start: 2 @58783 has 41 MA's), (7, 58867), (9, 58891), (10, 58933), (11, 58948), (12, 58993),

Gene: Shaboozey_91 Start: 54780, Stop: 55004, Start Num: 2
Candidate Starts for Shaboozey_91:
(Start: 2 @54780 has 41 MA's), (3, 54795), (9, 54888), (10, 54930), (11, 54945), (12, 54990),

Gene: Squint_91 Start: 55068, Stop: 55292, Start Num: 2
Candidate Starts for Squint_91:
(Start: 2 @55068 has 41 MA's), (3, 55083), (9, 55176), (10, 55218), (11, 55233), (12, 55278),

Gene: Superphikiman_90 Start: 54159, Stop: 54383, Start Num: 2
Candidate Starts for Superphikiman_90:
(Start: 2 @54159 has 41 MA's), (3, 54174), (9, 54267), (10, 54309), (11, 54324), (12, 54369),

Gene: Thibault_82 Start: 54692, Stop: 54916, Start Num: 2
Candidate Starts for Thibault_82:
(Start: 2 @54692 has 41 MA's), (7, 54776), (9, 54800), (10, 54842), (11, 54857), (12, 54902),

Gene: ThreeRngTarjay_94 Start: 60068, Stop: 60292, Start Num: 2
Candidate Starts for ThreeRngTarjay_94:
(Start: 2 @60068 has 41 MA's), (7, 60152), (9, 60176), (10, 60218), (11, 60233), (12, 60278),

Gene: Wanda_101 Start: 59184, Stop: 59408, Start Num: 2
Candidate Starts for Wanda_101:
(Start: 2 @59184 has 41 MA's), (7, 59268), (9, 59292), (10, 59334), (11, 59349), (12, 59394),

Gene: Xiaokay_87 Start: 55936, Stop: 56160, Start Num: 2
Candidate Starts for Xiaokay_87:
(Start: 2 @55936 has 41 MA's), (7, 56020), (9, 56044), (10, 56086), (11, 56101), (12, 56146),

Gene: Yeet_90 Start: 58285, Stop: 58509, Start Num: 2
Candidate Starts for Yeet_90:
(Start: 2 @58285 has 41 MA's), (7, 58369), (9, 58393), (10, 58435), (11, 58450), (12, 58495),

Gene: Zelink_94 Start: 60379, Stop: 60603, Start Num: 2
Candidate Starts for Zelink_94:
(Start: 2 @60379 has 41 MA's), (7, 60463), (9, 60487), (10, 60529), (11, 60544), (12, 60589),