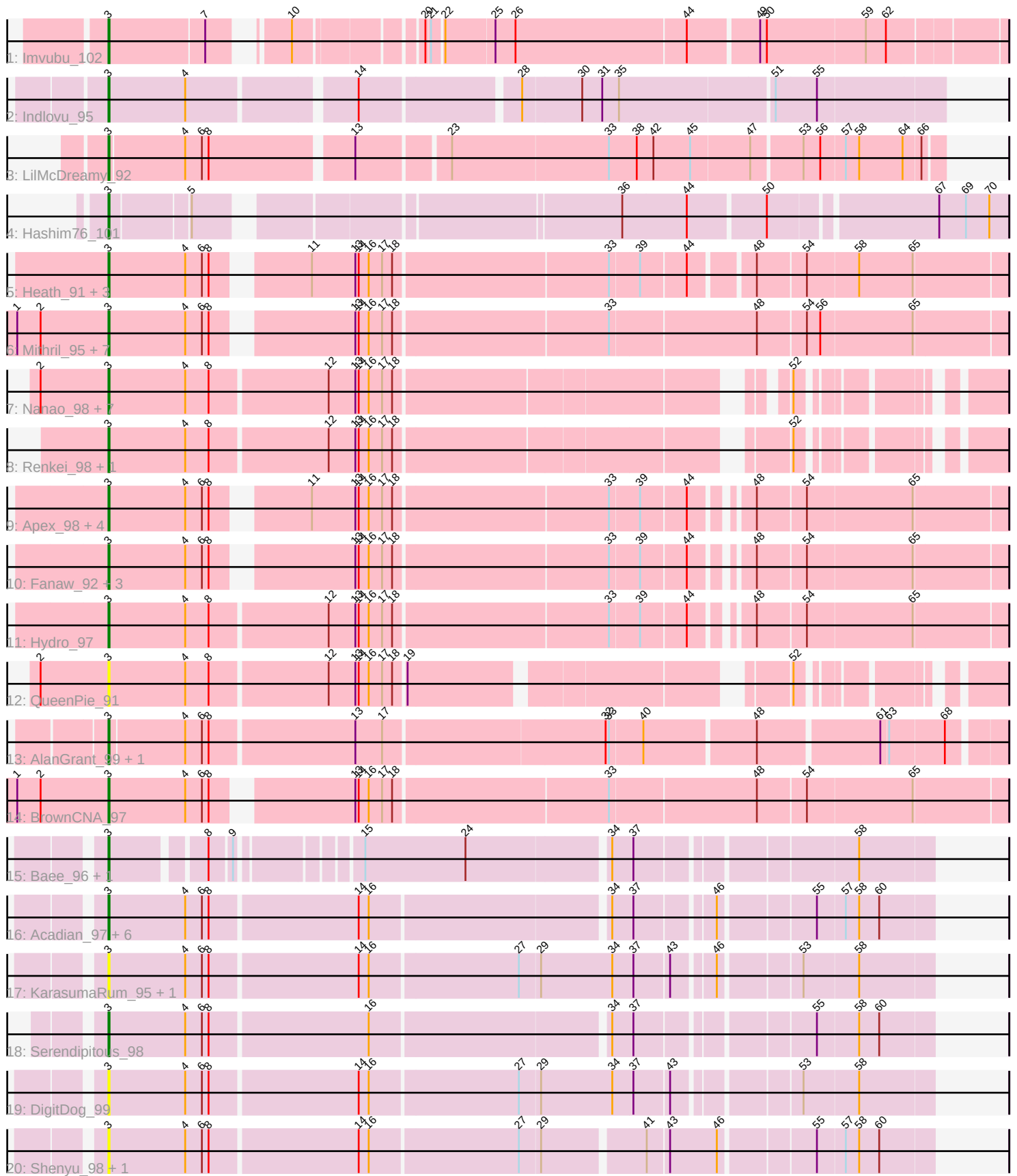


Pham 330910



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 330910 Report

This analysis was run 09/05/26 on database version 662.

Pham number 330910 has 55 members, 18 are drafts.

Phages represented in each track:

- Track 1 : Imvubu_102
- Track 2 : Indlovu_95
- Track 3 : LilMcDreamy_92
- Track 4 : Hashim76_101
- Track 5 : Heath_91, Zemanar_95, Frederick_98, BobbyK_97
- Track 6 : Mithril_95, Waleliano_96, Lolalove_99, JoyceMaria_97, Austelle_97, Mudslide_98, Prince_97, Hangman_97
- Track 7 : Nanao_98, Ahwei_96, GinPorsche_100, Antihero_98, Hally898_96, Poster_97, Epah_98, Lambano_96
- Track 8 : Renkei_98, LittleDigger_98
- Track 9 : Apex_98, Magpie_93, Xincheng_88, JAMaL_98, JaguarMi_90
- Track 10 : Fanaw_92, Fortunato_94, RawrgerThat_94, VioletZ_99
- Track 11 : Hydro_97
- Track 12 : QueenPie_91
- Track 13 : AlanGrant_99, Vincenzo_98
- Track 14 : BrownCNA_97
- Track 15 : Baee_96, Rich_95
- Track 16 : Acadian_97, SirJeffery_95, Donny_97, EastView9101_97, Suigeneris_98, Reccee_98, Rita130_96
- Track 17 : KarasumaRum_95, StinkyVeggy_95
- Track 18 : Serendipitous_98
- Track 19 : DigitDog_99
- Track 20 : Shenyu_98, Nangang_98

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

The start number called the most often in the published annotations is 3, it was called in 37 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_97, Ahwei_96, AlanGrant_99, Antihero_98, Apex_98, Austelle_97, Baee_96, BobbyK_97, BrownCNA_97, DigitDog_99, Donny_97, EastView9101_97, Epah_98, Fanaw_92, Fortunato_94, Frederick_98, GinPorsche_100, Hally898_96, Hangman_97, Hashim76_101, Heath_91, Hydro_97, Imvubu_102, Indlovu_95,

JAMaL_98, JaguarMi_90, JoyceMaria_97, KarasumaRum_95, Lambano_96, LilMcDreamy_92, LittleDigger_98, Lolalove_99, Magpie_93, Mithril_95, Mudslide_98, Nanao_98, Nangang_98, Poster_97, Prince_97, QueenPie_91, RawrgerThat_94, Reccee_98, Renkei_98, Rich_95, Rita130_96, Serendipitous_98, Shenyu_98, SirJeffery_95, StinkyVeggy_95, Suigeneris_98, Vincenzo_98, VioletZ_99, Waleliano_96, Xincheng_88, Zemanar_95,

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 3:

- Found in 55 of 55 (100.0%) of genes in pham
- Manual Annotations of this start: 37 of 37
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acadian_97 (B5), Ahwei_96 (B4), AlanGrant_99 (B4), Antihero_98 (B4), Apex_98 (B4), Austelle_97 (B4), Baee_96 (B5), BobbyK_97 (B4), BrownCNA_97 (B4), DigitDog_99 (B5), Donny_97 (B5), EastView9101_97 (B5), Epah_98 (B4), Fanaw_92 (B4), Fortunato_94 (B4), Frederick_98 (B4), GinPorsche_100 (B4), Hally898_96 (B4), Hangman_97 (B4), Hashim76_101 (B13), Heath_91 (B4), Hydro_97 (B4), Imvubu_102 (B10), Indlovu_95 (B11), JAMaL_98 (B4), JaguarMi_90 (B4), JoyceMaria_97 (B4), KarasumaRum_95 (B5), Lambano_96 (B4), LilMcDreamy_92 (B12), LittleDigger_98 (B4), Lolalove_99 (B4), Magpie_93 (B4), Mithril_95 (B4), Mudslide_98 (B4), Nanao_98 (B4), Nangang_98 (B5), Poster_97 (B4), Prince_97 (B4), QueenPie_91 (B4), RawrgerThat_94 (B4), Reccee_98 (B5), Renkei_98 (B4), Rich_95 (B5), Rita130_96 (B5), Serendipitous_98 (B5), Shenyu_98 (B5), SirJeffery_95 (B5), StinkyVeggy_95 (B5), Suigeneris_98 (B5), Vincenzo_98 (B4), VioletZ_99 (B4), Waleliano_96 (B4), Xincheng_88 (B4), Zemanar_95 (B4),

Summary by clusters:

There are 6 clusters represented in this pham: B4, B5, B12, B13, B10, B11,

Info for manual annotations of cluster B10:

- Start number 3 was manually annotated 1 time for cluster B10.

Info for manual annotations of cluster B11:

- Start number 3 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 3 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 3 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B4:

- Start number 3 was manually annotated 25 times for cluster B4.

Info for manual annotations of cluster B5:

•Start number 3 was manually annotated 8 times for cluster B5.

Gene Information:

Gene: Acadian_97 Start: 69755, Stop: 69066, Start Num: 3

Candidate Starts for Acadian_97:

(Start: 3 @69755 has 37 MA's), (4, 69686), (6, 69671), (8, 69665), (14, 69536), (16, 69527), (34, 69326), (37, 69308), (46, 69245), (55, 69167), (57, 69143), (58, 69131), (60, 69113),

Gene: Ahwei_96 Start: 70567, Stop: 69878, Start Num: 3

Candidate Starts for Ahwei_96:

(2, 70627), (Start: 3 @70567 has 37 MA's), (4, 70498), (8, 70477), (12, 70375), (13, 70351), (14, 70348), (16, 70339), (17, 70327), (18, 70318), (52, 70018),

Gene: AlanGrant_99 Start: 72005, Stop: 71247, Start Num: 3

Candidate Starts for AlanGrant_99:

(Start: 3 @72005 has 37 MA's), (4, 71939), (6, 71924), (8, 71918), (13, 71792), (17, 71768), (32, 71576), (33, 71573), (40, 71546), (48, 71450), (61, 71348), (63, 71342), (68, 71294),

Gene: Antihero_98 Start: 70492, Stop: 69803, Start Num: 3

Candidate Starts for Antihero_98:

(2, 70552), (Start: 3 @70492 has 37 MA's), (4, 70423), (8, 70402), (12, 70300), (13, 70276), (14, 70273), (16, 70264), (17, 70252), (18, 70243), (52, 69943),

Gene: Apex_98 Start: 71007, Stop: 70270, Start Num: 3

Candidate Starts for Apex_98:

(Start: 3 @71007 has 37 MA's), (4, 70938), (6, 70923), (8, 70917), (11, 70848), (13, 70809), (14, 70806), (16, 70797), (17, 70785), (18, 70776), (33, 70590), (39, 70566), (44, 70527), (48, 70485), (54, 70443), (65, 70350),

Gene: Austelle_97 Start: 71561, Stop: 70803, Start Num: 3

Candidate Starts for Austelle_97:

(1, 71642), (2, 71621), (Start: 3 @71561 has 37 MA's), (4, 71492), (6, 71477), (8, 71471), (13, 71363), (14, 71360), (16, 71351), (17, 71339), (18, 71330), (33, 71144), (48, 71018), (54, 70976), (56, 70964), (65, 70883),

Gene: Baee_96 Start: 70161, Stop: 69508, Start Num: 3

Candidate Starts for Baee_96:

(Start: 3 @70161 has 37 MA's), (8, 70086), (9, 70068), (15, 69978), (24, 69888), (34, 69768), (37, 69750), (58, 69573),

Gene: BobbyK_97 Start: 70650, Stop: 69904, Start Num: 3

Candidate Starts for BobbyK_97:

(Start: 3 @70650 has 37 MA's), (4, 70581), (6, 70566), (8, 70560), (11, 70491), (13, 70452), (14, 70449), (16, 70440), (17, 70428), (18, 70419), (33, 70233), (39, 70209), (44, 70170), (48, 70119), (54, 70077), (58, 70032), (65, 69984),

Gene: BrownCNA_97 Start: 70976, Stop: 70218, Start Num: 3

Candidate Starts for BrownCNA_97:

(1, 71057), (2, 71036), (Start: 3 @70976 has 37 MA's), (4, 70907), (6, 70892), (8, 70886), (13, 70778), (14, 70775), (16, 70766), (17, 70754), (18, 70745), (33, 70559), (48, 70433), (54, 70391), (65, 70298),

Gene: DigitDog_99 Start: 70278, Stop: 69580, Start Num: 3

Candidate Starts for DigitDog_99:

(Start: 3 @70278 has 37 MA's), (4, 70209), (6, 70194), (8, 70188), (14, 70059), (16, 70050), (27, 69921), (29, 69903), (34, 69840), (37, 69822), (43, 69792), (53, 69693), (58, 69645),

Gene: Donny_97 Start: 69582, Stop: 68893, Start Num: 3

Candidate Starts for Donny_97:

(Start: 3 @69582 has 37 MA's), (4, 69513), (6, 69498), (8, 69492), (14, 69363), (16, 69354), (34, 69153), (37, 69135), (46, 69072), (55, 68994), (57, 68970), (58, 68958), (60, 68940),

Gene: EastView9101_97 Start: 69774, Stop: 69085, Start Num: 3

Candidate Starts for EastView9101_97:

(Start: 3 @69774 has 37 MA's), (4, 69705), (6, 69690), (8, 69684), (14, 69555), (16, 69546), (34, 69345), (37, 69327), (46, 69264), (55, 69186), (57, 69162), (58, 69150), (60, 69132),

Gene: Epah_98 Start: 70492, Stop: 69803, Start Num: 3

Candidate Starts for Epah_98:

(2, 70552), (Start: 3 @70492 has 37 MA's), (4, 70423), (8, 70402), (12, 70300), (13, 70276), (14, 70273), (16, 70264), (17, 70252), (18, 70243), (52, 69943),

Gene: Fanaw_92 Start: 70565, Stop: 69828, Start Num: 3

Candidate Starts for Fanaw_92:

(Start: 3 @70565 has 37 MA's), (4, 70496), (6, 70481), (8, 70475), (13, 70367), (14, 70364), (16, 70355), (17, 70343), (18, 70334), (33, 70148), (39, 70124), (44, 70085), (48, 70043), (54, 70001), (65, 69908),

Gene: Fortunato_94 Start: 70442, Stop: 69705, Start Num: 3

Candidate Starts for Fortunato_94:

(Start: 3 @70442 has 37 MA's), (4, 70373), (6, 70358), (8, 70352), (13, 70244), (14, 70241), (16, 70232), (17, 70220), (18, 70211), (33, 70025), (39, 70001), (44, 69962), (48, 69920), (54, 69878), (65, 69785),

Gene: Frederick_98 Start: 70947, Stop: 70210, Start Num: 3

Candidate Starts for Frederick_98:

(Start: 3 @70947 has 37 MA's), (4, 70878), (6, 70863), (8, 70857), (11, 70788), (13, 70749), (14, 70746), (16, 70737), (17, 70725), (18, 70716), (33, 70530), (39, 70506), (44, 70467), (48, 70425), (54, 70383), (58, 70338), (65, 70290),

Gene: GinPorsche_100 Start: 70489, Stop: 69800, Start Num: 3

Candidate Starts for GinPorsche_100:

(2, 70549), (Start: 3 @70489 has 37 MA's), (4, 70420), (8, 70399), (12, 70297), (13, 70273), (14, 70270), (16, 70261), (17, 70249), (18, 70240), (52, 69940),

Gene: Hally898_96 Start: 70329, Stop: 69640, Start Num: 3

Candidate Starts for Hally898_96:

(2, 70389), (Start: 3 @70329 has 37 MA's), (4, 70260), (8, 70239), (12, 70137), (13, 70113), (14, 70110), (16, 70101), (17, 70089), (18, 70080), (52, 69780),

Gene: Hangman_97 Start: 71138, Stop: 70380, Start Num: 3

Candidate Starts for Hangman_97:

(1, 71219), (2, 71198), (Start: 3 @71138 has 37 MA's), (4, 71069), (6, 71054), (8, 71048), (13, 70940), (14, 70937), (16, 70928), (17, 70916), (18, 70907), (33, 70721), (48, 70595), (54, 70553), (56, 70541), (65, 70460),

Gene: Hashim76_101 Start: 70043, Stop: 69309, Start Num: 3

Candidate Starts for Hashim76_101:

(Start: 3 @70043 has 37 MA's), (5, 69977), (36, 69635), (44, 69578), (50, 69512), (67, 69371), (69, 69347), (70, 69326),

Gene: Heath_91 Start: 69021, Stop: 68275, Start Num: 3

Candidate Starts for Heath_91:

(Start: 3 @69021 has 37 MA's), (4, 68952), (6, 68937), (8, 68931), (11, 68862), (13, 68823), (14, 68820), (16, 68811), (17, 68799), (18, 68790), (33, 68604), (39, 68580), (44, 68541), (48, 68490), (54, 68448), (58, 68403), (65, 68355),

Gene: Hydro_97 Start: 70922, Stop: 70167, Start Num: 3

Candidate Starts for Hydro_97:

(Start: 3 @70922 has 37 MA's), (4, 70853), (8, 70832), (12, 70730), (13, 70706), (14, 70703), (16, 70694), (17, 70682), (18, 70673), (33, 70487), (39, 70463), (44, 70424), (48, 70382), (54, 70340), (65, 70247),

Gene: Imvubu_102 Start: 69675, Stop: 68953, Start Num: 3

Candidate Starts for Imvubu_102:

(Start: 3 @69675 has 37 MA's), (7, 69591), (10, 69543), (20, 69444), (21, 69441), (22, 69432), (25, 69390), (26, 69372), (44, 69222), (49, 69162), (50, 69156), (59, 69069), (62, 69051),

Gene: Indlovu_95 Start: 70812, Stop: 70111, Start Num: 3

Candidate Starts for Indlovu_95:

(Start: 3 @70812 has 37 MA's), (4, 70743), (14, 70605), (28, 70473), (30, 70422), (31, 70404), (35, 70389), (51, 70257), (55, 70221),

Gene: JAMaL_98 Start: 70604, Stop: 69867, Start Num: 3

Candidate Starts for JAMaL_98:

(Start: 3 @70604 has 37 MA's), (4, 70535), (6, 70520), (8, 70514), (11, 70445), (13, 70406), (14, 70403), (16, 70394), (17, 70382), (18, 70373), (33, 70187), (39, 70163), (44, 70124), (48, 70082), (54, 70040), (65, 69947),

Gene: JaguarMi_90 Start: 70729, Stop: 69992, Start Num: 3

Candidate Starts for JaguarMi_90:

(Start: 3 @70729 has 37 MA's), (4, 70660), (6, 70645), (8, 70639), (11, 70570), (13, 70531), (14, 70528), (16, 70519), (17, 70507), (18, 70498), (33, 70312), (39, 70288), (44, 70249), (48, 70207), (54, 70165), (65, 70072),

Gene: JoyceMaria_97 Start: 70970, Stop: 70212, Start Num: 3

Candidate Starts for JoyceMaria_97:

(1, 71051), (2, 71030), (Start: 3 @70970 has 37 MA's), (4, 70901), (6, 70886), (8, 70880), (13, 70772), (14, 70769), (16, 70760), (17, 70748), (18, 70739), (33, 70553), (48, 70427), (54, 70385), (56, 70373), (65, 70292),

Gene: KarasumaRum_95 Start: 69551, Stop: 68853, Start Num: 3

Candidate Starts for KarasumaRum_95:

(Start: 3 @69551 has 37 MA's), (4, 69482), (6, 69467), (8, 69461), (14, 69332), (16, 69323), (27, 69194), (29, 69176), (34, 69113), (37, 69095), (43, 69065), (46, 69032), (53, 68966), (58, 68918),

Gene: Lambano_96 Start: 70329, Stop: 69640, Start Num: 3

Candidate Starts for Lambano_96:

(2, 70389), (Start: 3 @70329 has 37 MA's), (4, 70260), (8, 70239), (12, 70137), (13, 70113), (14, 70110), (16, 70101), (17, 70089), (18, 70080), (52, 69780),

Gene: LilMcDreamy_92 Start: 69414, Stop: 68710, Start Num: 3

Candidate Starts for LilMcDreamy_92:

(Start: 3 @69414 has 37 MA's), (4, 69348), (6, 69333), (8, 69327), (13, 69207), (23, 69132), (33, 68994), (38, 68970), (42, 68955), (45, 68922), (47, 68871), (53, 68829), (56, 68814), (57, 68793), (58, 68781), (64, 68742), (66, 68727),

Gene: LittleDigger_98 Start: 70515, Stop: 69814, Start Num: 3

Candidate Starts for LittleDigger_98:

(Start: 3 @70515 has 37 MA's), (4, 70446), (8, 70425), (12, 70323), (13, 70299), (14, 70296), (16, 70287), (17, 70275), (18, 70266), (52, 69954),

Gene: Lolalove_99 Start: 70873, Stop: 70115, Start Num: 3

Candidate Starts for Lolalove_99:

(1, 70954), (2, 70933), (Start: 3 @70873 has 37 MA's), (4, 70804), (6, 70789), (8, 70783), (13, 70675), (14, 70672), (16, 70663), (17, 70651), (18, 70642), (33, 70456), (48, 70330), (54, 70288), (56, 70276), (65, 70195),

Gene: Magpie_93 Start: 70777, Stop: 70040, Start Num: 3

Candidate Starts for Magpie_93:

(Start: 3 @70777 has 37 MA's), (4, 70708), (6, 70693), (8, 70687), (11, 70618), (13, 70579), (14, 70576), (16, 70567), (17, 70555), (18, 70546), (33, 70360), (39, 70336), (44, 70297), (48, 70255), (54, 70213), (65, 70120),

Gene: Mithril_95 Start: 70699, Stop: 69941, Start Num: 3

Candidate Starts for Mithril_95:

(1, 70780), (2, 70759), (Start: 3 @70699 has 37 MA's), (4, 70630), (6, 70615), (8, 70609), (13, 70501), (14, 70498), (16, 70489), (17, 70477), (18, 70468), (33, 70282), (48, 70156), (54, 70114), (56, 70102), (65, 70021),

Gene: Mudslide_98 Start: 71104, Stop: 70346, Start Num: 3

Candidate Starts for Mudslide_98:

(1, 71185), (2, 71164), (Start: 3 @71104 has 37 MA's), (4, 71035), (6, 71020), (8, 71014), (13, 70906), (14, 70903), (16, 70894), (17, 70882), (18, 70873), (33, 70687), (48, 70561), (54, 70519), (56, 70507), (65, 70426),

Gene: Nanao_98 Start: 70342, Stop: 69653, Start Num: 3

Candidate Starts for Nanao_98:

(2, 70402), (Start: 3 @70342 has 37 MA's), (4, 70273), (8, 70252), (12, 70150), (13, 70126), (14, 70123), (16, 70114), (17, 70102), (18, 70093), (52, 69793),

Gene: Nangang_98 Start: 70177, Stop: 69479, Start Num: 3

Candidate Starts for Nangang_98:

(Start: 3 @70177 has 37 MA's), (4, 70108), (6, 70093), (8, 70087), (14, 69958), (16, 69949), (27, 69820), (29, 69802), (41, 69718), (43, 69700), (46, 69658), (55, 69580), (57, 69556), (58, 69544), (60, 69526),

Gene: Poster_97 Start: 70343, Stop: 69654, Start Num: 3

Candidate Starts for Poster_97:

(2, 70403), (Start: 3 @70343 has 37 MA's), (4, 70274), (8, 70253), (12, 70151), (13, 70127), (14, 70124), (16, 70115), (17, 70103), (18, 70094), (52, 69794),

Gene: Prince_97 Start: 70971, Stop: 70213, Start Num: 3

Candidate Starts for Prince_97:

(1, 71052), (2, 71031), (Start: 3 @70971 has 37 MA's), (4, 70902), (6, 70887), (8, 70881), (13, 70773), (14, 70770), (16, 70761), (17, 70749), (18, 70740), (33, 70554), (48, 70428), (54, 70386), (56, 70374), (65, 70293),

Gene: QueenPie_91 Start: 70092, Stop: 69403, Start Num: 3

Candidate Starts for QueenPie_91:

(2, 70152), (Start: 3 @70092 has 37 MA's), (4, 70023), (8, 70002), (12, 69900), (13, 69876), (14, 69873), (16, 69864), (17, 69852), (18, 69843), (19, 69834), (52, 69543),

Gene: RawrgerThat_94 Start: 70604, Stop: 69867, Start Num: 3

Candidate Starts for RawrgerThat_94:

(Start: 3 @70604 has 37 MA's), (4, 70535), (6, 70520), (8, 70514), (13, 70406), (14, 70403), (16, 70394), (17, 70382), (18, 70373), (33, 70187), (39, 70163), (44, 70124), (48, 70082), (54, 70040), (65, 69947),

Gene: Reccee_98 Start: 70025, Stop: 69336, Start Num: 3

Candidate Starts for Reccee_98:

(Start: 3 @70025 has 37 MA's), (4, 69956), (6, 69941), (8, 69935), (14, 69806), (16, 69797), (34, 69596), (37, 69578), (46, 69515), (55, 69437), (57, 69413), (58, 69401), (60, 69383),

Gene: Renkei_98 Start: 70509, Stop: 69808, Start Num: 3

Candidate Starts for Renkei_98:

(Start: 3 @70509 has 37 MA's), (4, 70440), (8, 70419), (12, 70317), (13, 70293), (14, 70290), (16, 70281), (17, 70269), (18, 70260), (52, 69948),

Gene: Rich_95 Start: 69710, Stop: 69057, Start Num: 3

Candidate Starts for Rich_95:

(Start: 3 @69710 has 37 MA's), (8, 69635), (9, 69617), (15, 69527), (24, 69437), (34, 69317), (37, 69299), (58, 69122),

Gene: Rita130_96 Start: 69728, Stop: 69039, Start Num: 3

Candidate Starts for Rita130_96:

(Start: 3 @69728 has 37 MA's), (4, 69659), (6, 69644), (8, 69638), (14, 69509), (16, 69500), (34, 69299), (37, 69281), (46, 69218), (55, 69140), (57, 69116), (58, 69104), (60, 69086),

Gene: Serendipitous_98 Start: 69758, Stop: 69069, Start Num: 3

Candidate Starts for Serendipitous_98:

(Start: 3 @69758 has 37 MA's), (4, 69689), (6, 69674), (8, 69668), (16, 69530), (34, 69329), (37, 69311), (55, 69170), (58, 69134), (60, 69116),

Gene: Shenyu_98 Start: 70172, Stop: 69474, Start Num: 3

Candidate Starts for Shenyu_98:

(Start: 3 @70172 has 37 MA's), (4, 70103), (6, 70088), (8, 70082), (14, 69953), (16, 69944), (27, 69815), (29, 69797), (41, 69713), (43, 69695), (46, 69653), (55, 69575), (57, 69551), (58, 69539), (60, 69521),

Gene: SirJeffery_95 Start: 69743, Stop: 69054, Start Num: 3

Candidate Starts for SirJeffery_95:

(Start: 3 @69743 has 37 MA's), (4, 69674), (6, 69659), (8, 69653), (14, 69524), (16, 69515), (34, 69314), (37, 69296), (46, 69233), (55, 69155), (57, 69131), (58, 69119), (60, 69101),

Gene: StinkyVeggy_95 Start: 69551, Stop: 68853, Start Num: 3

Candidate Starts for StinkyVeggy_95:

(Start: 3 @69551 has 37 MA's), (4, 69482), (6, 69467), (8, 69461), (14, 69332), (16, 69323), (27, 69194), (29, 69176), (34, 69113), (37, 69095), (43, 69065), (46, 69032), (53, 68966), (58, 68918),

Gene: Suigeneris_98 Start: 69970, Stop: 69281, Start Num: 3

Candidate Starts for Suigeneris_98:

(Start: 3 @69970 has 37 MA's), (4, 69901), (6, 69886), (8, 69880), (14, 69751), (16, 69742), (34, 69541), (37, 69523), (46, 69460), (55, 69382), (57, 69358), (58, 69346), (60, 69328),

Gene: Vincenzo_98 Start: 72035, Stop: 71277, Start Num: 3

Candidate Starts for Vincenzo_98:

(Start: 3 @72035 has 37 MA's), (4, 71969), (6, 71954), (8, 71948), (13, 71822), (17, 71798), (32, 71606), (33, 71603), (40, 71576), (48, 71480), (61, 71378), (63, 71372), (68, 71324),

Gene: VioletZ_99 Start: 71057, Stop: 70320, Start Num: 3

Candidate Starts for VioletZ_99:

(Start: 3 @71057 has 37 MA's), (4, 70988), (6, 70973), (8, 70967), (13, 70859), (14, 70856), (16, 70847), (17, 70835), (18, 70826), (33, 70640), (39, 70616), (44, 70577), (48, 70535), (54, 70493), (65, 70400),

Gene: Waleliano_96 Start: 70725, Stop: 69967, Start Num: 3

Candidate Starts for Waleliano_96:

(1, 70806), (2, 70785), (Start: 3 @70725 has 37 MA's), (4, 70656), (6, 70641), (8, 70635), (13, 70527), (14, 70524), (16, 70515), (17, 70503), (18, 70494), (33, 70308), (48, 70182), (54, 70140), (56, 70128), (65, 70047),

Gene: Xincheng_88 Start: 70671, Stop: 69934, Start Num: 3

Candidate Starts for Xincheng_88:

(Start: 3 @70671 has 37 MA's), (4, 70602), (6, 70587), (8, 70581), (11, 70512), (13, 70473), (14, 70470), (16, 70461), (17, 70449), (18, 70440), (33, 70254), (39, 70230), (44, 70191), (48, 70149), (54, 70107), (65, 70014),

Gene: Zemanar_95 Start: 70855, Stop: 70109, Start Num: 3

Candidate Starts for Zemanar_95:

(Start: 3 @70855 has 37 MA's), (4, 70786), (6, 70771), (8, 70765), (11, 70696), (13, 70657), (14, 70654), (16, 70645), (17, 70633), (18, 70624), (33, 70438), (39, 70414), (44, 70375), (48, 70324), (54, 70282), (58, 70237), (65, 70189),