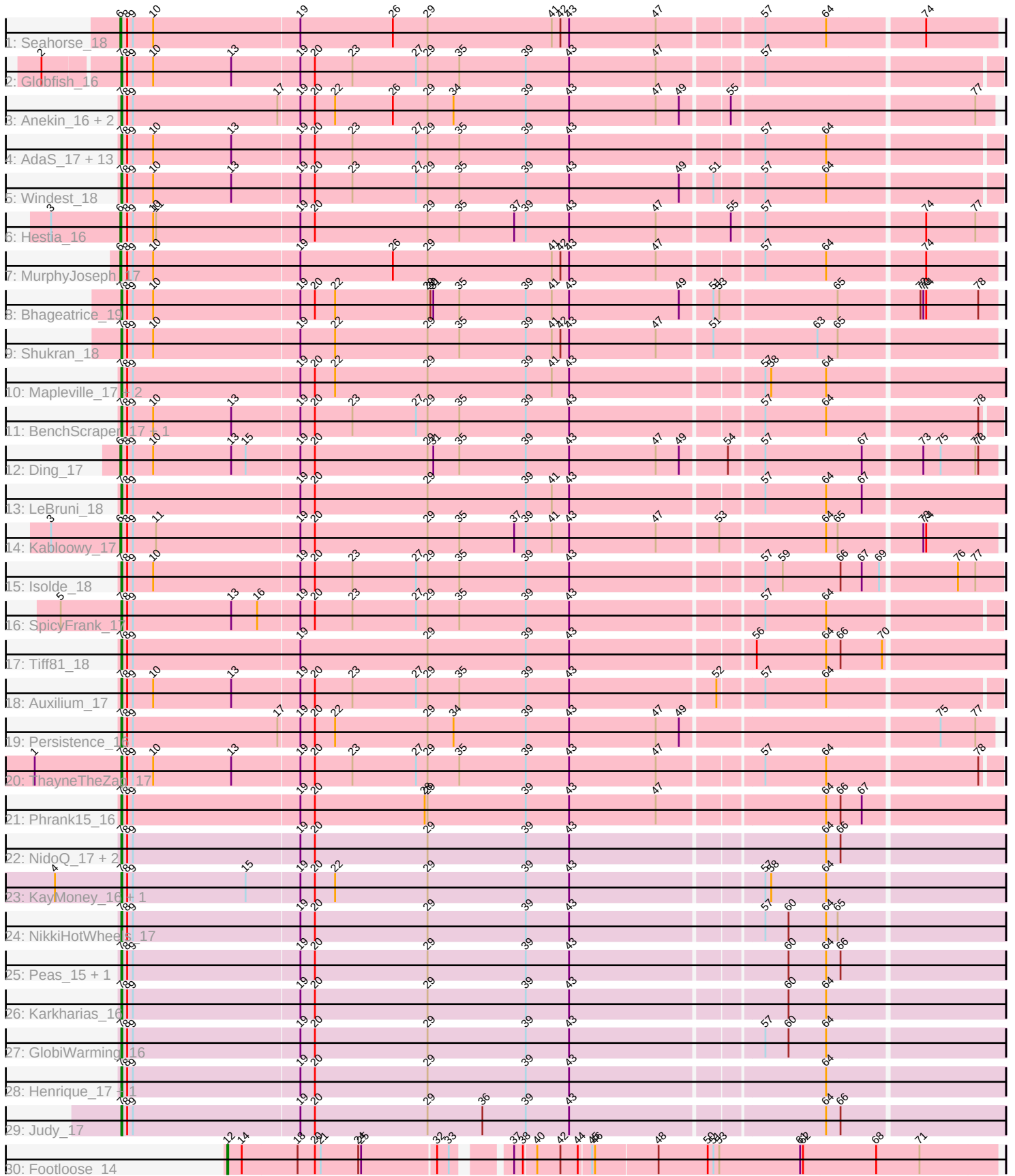


Pham 330926



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 330926 Report

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

Pham number 330926 has 53 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Seahorse_18
- Track 2 : Globfish_16
- Track 3 : Anekin_16, DarwinJr_20, Crescenzo_17
- Track 4 : AdaS_17, RadFad_17, MaterMagnus_17, CookieBear_17, MUWow_16, Hillester_17, Lasker_18, Raphaella_17, JellyBread_17, Sporco_18, MidnightRain_17, BlueShadow_17, YoungHarleezy_17, Sakai_17
- Track 5 : Windest_18
- Track 6 : Hestia_16
- Track 7 : MurphyJoseph_17
- Track 8 : Bhageatrice_19
- Track 9 : Shukran_18
- Track 10 : Mapleville_17, BillyTP_17, Lawnathon_17
- Track 11 : BenchScraper_17, Richie_17
- Track 12 : Ding_17
- Track 13 : LeBruni_18
- Track 14 : Kabloowy_17
- Track 15 : Isolde_18
- Track 16 : SpicyFrank_17
- Track 17 : Tiff81_18
- Track 18 : Auxilium_17
- Track 19 : Persistence_16
- Track 20 : ThayneTheZag_17
- Track 21 : Phrank15_16
- Track 22 : NidoQ_17, PeggyLeg03_16, Constance_16
- Track 23 : KayMoney_16, ChuckDuck_16
- Track 24 : NikkiHotWheels_17
- Track 25 : Peas_15, Eileen_16
- Track 26 : Karkharias_16
- Track 27 : GlobiWarming_16
- Track 28 : Henrique_17, Bridgette_16
- Track 29 : Judy_17
- Track 30 : Footloose_14

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

The start number called the most often in the published annotations is 7, it was called in 47 of the 53 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AdaS_17, Anekin_16, Auxilium_17, BenchScraper_17, Bhageatrice_19, BillyTP_17, BlueShadow_17, Bridgette_16, ChuckDuck_16, Constance_16, CookieBear_17, Crescenzo_17, DarwinJr_20, Eileen_16, Globfish_16, GlobiWarming_16, Henrique_17, Hillester_17, Isolde_18, JellyBread_17, Judy_17, Karkharias_16, KayMoney_16, Lasker_18, Lawnathon_17, LeBruni_18, MUWow_16, Mapleville_17, MaterMagnus_17, MidnightRain_17, NidoQ_17, NikkiHotWheels_17, Peas_15, PeggyLeg03_16, Persistence_16, Phrank15_16, RadFad_17, Raphaella_17, Richie_17, Sakai_17, Shukran_18, SpicyFrank_17, Sporco_18, ThayneTheZag_17, Tiff81_18, Windest_18, YoungHarleezy_17,

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

-

Genes that do not have the "Most Annotated" start:

- Ding_17, Footloose_14, Hestia_16, Kabloowy_17, MurphyJoseph_17, Seahorse_18,

Summary by start number:

Start 6:

- Found in 5 of 53 (9.4%) of genes in pham
- Manual Annotations of this start: 5 of 53
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ding_17 (AY), Hestia_16 (AY), Kabloowy_17 (AY), MurphyJoseph_17 (AY), Seahorse_18 (AY),

Start 7:

- Found in 47 of 53 (88.7%) of genes in pham
- Manual Annotations of this start: 47 of 53
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AdaS_17 (AY), Anekin_16 (AY), Auxilium_17 (AY), BenchScraper_17 (AY), Bhageatrice_19 (AY), BillyTP_17 (AY), BlueShadow_17 (AY), Bridgette_16 (FA), ChuckDuck_16 (FA), Constance_16 (FA), CookieBear_17 (AY), Crescenzo_17 (AY), DarwinJr_20 (AY), Eileen_16 (FA), Globfish_16 (AY), GlobiWarming_16 (FA), Henrique_17 (FA), Hillester_17 (AY), Isolde_18 (AY), JellyBread_17 (AY), Judy_17 (FA), Karkharias_16 (FA), KayMoney_16 (FA), Lasker_18 (AY), Lawnathon_17 (AY), LeBruni_18 (AY), MUWow_16 (AY), Mapleville_17 (AY), MaterMagnus_17 (AY), MidnightRain_17 (AY), NidoQ_17 (FA), NikkiHotWheels_17 (FA), Peas_15 (FA), PeggyLeg03_16 (FA), Persistence_16 (AY), Phrank15_16 (AY), RadFad_17 (AY), Raphaella_17 (AY), Richie_17 (AY), Sakai_17 (AY), Shukran_18 (AY), SpicyFrank_17 (AY), Sporco_18 (AY), ThayneTheZag_17 (AY), Tiff81_18 (AY), Windest_18 (AY), YoungHarleezy_17 (AY),

Start 12:

- Found in 1 of 53 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 53
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Footloose_14 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FA, singleton,

Info for manual annotations of cluster AY:

- Start number 6 was manually annotated 5 times for cluster AY.
- Start number 7 was manually annotated 34 times for cluster AY.

Info for manual annotations of cluster FA:

- Start number 7 was manually annotated 13 times for cluster FA.

Gene Information:

Gene: AdaS_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for AdaS_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Anekin_16 Start: 9771, Stop: 10651, Start Num: 7

Candidate Starts for Anekin_16:

(Start: 7 @9771 has 47 MA's), (8, 9777), (9, 9783), (17, 9933), (19, 9954), (20, 9969), (22, 9990), (26, 10050), (29, 10086), (34, 10113), (39, 10188), (43, 10233), (47, 10323), (49, 10347), (55, 10392), (77, 10632),

Gene: Auxilium_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for Auxilium_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (52, 10260), (57, 10302), (64, 10365),

Gene: BenchScraper_17 Start: 9666, Stop: 10549, Start Num: 7

Candidate Starts for BenchScraper_17:

(Start: 7 @9666 has 47 MA's), (8, 9672), (9, 9678), (10, 9699), (13, 9780), (19, 9849), (20, 9864), (23, 9903), (27, 9969), (29, 9981), (35, 10014), (39, 10083), (43, 10128), (57, 10317), (64, 10380), (78, 10530),

Gene: Bhageatrice_19 Start: 10868, Stop: 11754, Start Num: 7

Candidate Starts for Bhageatrice_19:

(Start: 7 @10868 has 47 MA's), (8, 10874), (9, 10880), (10, 10901), (19, 11051), (20, 11066), (22, 11087), (29, 11183), (30, 11186), (31, 11189), (35, 11216), (39, 11285), (41, 11312), (43, 11330), (49, 11444), (51, 11474), (53, 11480), (65, 11597), (72, 11675), (73, 11678), (74, 11681), (78, 11735),

Gene: BillyTP_17 Start: 9654, Stop: 10546, Start Num: 7

Candidate Starts for BillyTP_17:

(Start: 7 @9654 has 47 MA's), (8, 9660), (9, 9666), (19, 9837), (20, 9852), (22, 9873), (29, 9969), (39, 10071), (41, 10098), (43, 10116), (57, 10305), (58, 10311), (64, 10368),

Gene: BlueShadow_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for BlueShadow_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Bridgette_16 Start: 9817, Stop: 10709, Start Num: 7

Candidate Starts for Bridgette_16:

(Start: 7 @9817 has 47 MA's), (8, 9823), (9, 9829), (19, 10000), (20, 10015), (29, 10132), (39, 10234), (43, 10279), (64, 10531),

Gene: ChuckDuck_16 Start: 9772, Stop: 10664, Start Num: 7

Candidate Starts for ChuckDuck_16:

(4, 9703), (Start: 7 @9772 has 47 MA's), (8, 9778), (9, 9784), (15, 9901), (19, 9955), (20, 9970), (22, 9991), (29, 10087), (39, 10189), (43, 10234), (57, 10423), (58, 10429), (64, 10486),

Gene: Constance_16 Start: 9820, Stop: 10712, Start Num: 7

Candidate Starts for Constance_16:

(Start: 7 @9820 has 47 MA's), (8, 9826), (9, 9832), (19, 10003), (20, 10018), (29, 10135), (39, 10237), (43, 10282), (64, 10534), (66, 10549),

Gene: CookieBear_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for CookieBear_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Crescenzo_17 Start: 9699, Stop: 10579, Start Num: 7

Candidate Starts for Crescenzo_17:

(Start: 7 @9699 has 47 MA's), (8, 9705), (9, 9711), (17, 9861), (19, 9882), (20, 9897), (22, 9918), (26, 9978), (29, 10014), (34, 10041), (39, 10116), (43, 10161), (47, 10251), (49, 10275), (55, 10320), (77, 10560),

Gene: DarwinJr_20 Start: 11003, Stop: 11883, Start Num: 7

Candidate Starts for DarwinJr_20:

(Start: 7 @11003 has 47 MA's), (8, 11009), (9, 11015), (17, 11165), (19, 11186), (20, 11201), (22, 11222), (26, 11282), (29, 11318), (34, 11345), (39, 11420), (43, 11465), (47, 11555), (49, 11579), (55, 11624), (77, 11864),

Gene: Ding_17 Start: 9646, Stop: 10532, Start Num: 6

Candidate Starts for Ding_17:

(Start: 6 @9646 has 5 MA's), (8, 9652), (9, 9658), (10, 9679), (13, 9760), (15, 9775), (19, 9829), (20, 9844), (29, 9961), (31, 9967), (35, 9994), (39, 10063), (43, 10108), (47, 10198), (49, 10222), (54, 10267), (57, 10300), (67, 10399), (73, 10456), (75, 10474), (77, 10510), (78, 10513),

Gene: Eileen_16 Start: 9781, Stop: 10673, Start Num: 7

Candidate Starts for Eileen_16:

(Start: 7 @9781 has 47 MA's), (8, 9787), (9, 9793), (19, 9964), (20, 9979), (29, 10096), (39, 10198), (43, 10243), (60, 10456), (64, 10495), (66, 10510),

Gene: Footloose_14 Start: 8315, Stop: 9075, Start Num: 12

Candidate Starts for Footloose_14:

(Start: 12 @8315 has 1 MA's), (14, 8330), (18, 8387), (20, 8405), (21, 8411), (24, 8450), (25, 8453), (32, 8528), (33, 8540), (37, 8585), (38, 8594), (40, 8606), (42, 8630), (44, 8648), (45, 8660), (46, 8663), (48, 8726), (50, 8777), (51, 8783), (53, 8789), (61, 8873), (62, 8876), (68, 8951), (71, 8996),

Gene: Globfish_16 Start: 9725, Stop: 10608, Start Num: 7

Candidate Starts for Globfish_16:

(2, 9650), (Start: 7 @9725 has 47 MA's), (8, 9731), (9, 9737), (10, 9758), (13, 9839), (19, 9908), (20, 9923), (23, 9962), (27, 10028), (29, 10040), (35, 10073), (39, 10142), (43, 10187), (47, 10277), (57, 10376),

Gene: GlobiWarming_16 Start: 9774, Stop: 10666, Start Num: 7

Candidate Starts for GlobiWarming_16:

(Start: 7 @9774 has 47 MA's), (8, 9780), (9, 9786), (19, 9957), (20, 9972), (29, 10089), (39, 10191), (43, 10236), (57, 10425), (60, 10449), (64, 10488),

Gene: Henrique_17 Start: 9778, Stop: 10670, Start Num: 7

Candidate Starts for Henrique_17:

(Start: 7 @9778 has 47 MA's), (8, 9784), (9, 9790), (19, 9961), (20, 9976), (29, 10093), (39, 10195), (43, 10240), (64, 10492),

Gene: Hestia_16 Start: 9769, Stop: 10655, Start Num: 6

Candidate Starts for Hestia_16:

(3, 9697), (Start: 6 @9769 has 5 MA's), (8, 9775), (9, 9781), (10, 9802), (11, 9805), (19, 9952), (20, 9967), (29, 10084), (35, 10117), (37, 10174), (39, 10186), (43, 10231), (47, 10321), (55, 10393), (57, 10423), (74, 10582), (77, 10633),

Gene: Hillester_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for Hillester_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Isolde_18 Start: 9725, Stop: 10614, Start Num: 7

Candidate Starts for Isolde_18:

(Start: 7 @9725 has 47 MA's), (8, 9731), (9, 9737), (10, 9758), (19, 9908), (20, 9923), (23, 9962), (27, 10028), (29, 10040), (35, 10073), (39, 10142), (43, 10187), (57, 10376), (59, 10394), (66, 10454), (67, 10475), (69, 10493), (76, 10568), (77, 10586),

Gene: JellyBread_17 Start: 9644, Stop: 10527, Start Num: 7

Candidate Starts for JellyBread_17:

(Start: 7 @9644 has 47 MA's), (8, 9650), (9, 9656), (10, 9677), (13, 9758), (19, 9827), (20, 9842), (23, 9881), (27, 9947), (29, 9959), (35, 9992), (39, 10061), (43, 10106), (57, 10295), (64, 10358),

Gene: Judy_17 Start: 10091, Stop: 10983, Start Num: 7

Candidate Starts for Judy_17:

(Start: 7 @10091 has 47 MA's), (8, 10097), (9, 10103), (19, 10274), (20, 10289), (29, 10406), (36, 10463), (39, 10508), (43, 10553), (64, 10805), (66, 10820),

Gene: Kabloowy_17 Start: 9746, Stop: 10632, Start Num: 6

Candidate Starts for Kabloowy_17:

(3, 9674), (Start: 6 @9746 has 5 MA's), (8, 9752), (9, 9758), (11, 9782), (19, 9929), (20, 9944), (29, 10061), (35, 10094), (37, 10151), (39, 10163), (41, 10190), (43, 10208), (47, 10298), (53, 10358), (64, 10463), (65, 10475), (73, 10556), (74, 10559),

Gene: Karkharias_16 Start: 9778, Stop: 10670, Start Num: 7

Candidate Starts for Karkharias_16:

(Start: 7 @9778 has 47 MA's), (8, 9784), (9, 9790), (19, 9961), (20, 9976), (29, 10093), (39, 10195), (43, 10240), (60, 10453), (64, 10492),

Gene: KayMoney_16 Start: 9774, Stop: 10666, Start Num: 7

Candidate Starts for KayMoney_16:

(4, 9705), (Start: 7 @9774 has 47 MA's), (8, 9780), (9, 9786), (15, 9903), (19, 9957), (20, 9972), (22, 9993), (29, 10089), (39, 10191), (43, 10236), (57, 10425), (58, 10431), (64, 10488),

Gene: Lasker_18 Start: 9659, Stop: 10542, Start Num: 7

Candidate Starts for Lasker_18:

(Start: 7 @9659 has 47 MA's), (8, 9665), (9, 9671), (10, 9692), (13, 9773), (19, 9842), (20, 9857), (23, 9896), (27, 9962), (29, 9974), (35, 10007), (39, 10076), (43, 10121), (57, 10310), (64, 10373),

Gene: Lawnathon_17 Start: 9799, Stop: 10691, Start Num: 7

Candidate Starts for Lawnathon_17:

(Start: 7 @9799 has 47 MA's), (8, 9805), (9, 9811), (19, 9982), (20, 9997), (22, 10018), (29, 10114), (39, 10216), (41, 10243), (43, 10261), (57, 10450), (58, 10456), (64, 10513),

Gene: LeBruni_18 Start: 9673, Stop: 10565, Start Num: 7

Candidate Starts for LeBruni_18:

(Start: 7 @9673 has 47 MA's), (8, 9679), (9, 9685), (19, 9856), (20, 9871), (29, 9988), (39, 10090), (41, 10117), (43, 10135), (57, 10324), (64, 10387), (67, 10423),

Gene: MUWow_16 Start: 9744, Stop: 10627, Start Num: 7

Candidate Starts for MUWow_16:

(Start: 7 @9744 has 47 MA's), (8, 9750), (9, 9756), (10, 9777), (13, 9858), (19, 9927), (20, 9942), (23, 9981), (27, 10047), (29, 10059), (35, 10092), (39, 10161), (43, 10206), (57, 10395), (64, 10458),

Gene: Mapleville_17 Start: 9869, Stop: 10761, Start Num: 7

Candidate Starts for Mapleville_17:

(Start: 7 @9869 has 47 MA's), (8, 9875), (9, 9881), (19, 10052), (20, 10067), (22, 10088), (29, 10184), (39, 10286), (41, 10313), (43, 10331), (57, 10520), (58, 10526), (64, 10583),

Gene: MaterMagnus_17 Start: 9652, Stop: 10535, Start Num: 7

Candidate Starts for MaterMagnus_17:

(Start: 7 @9652 has 47 MA's), (8, 9658), (9, 9664), (10, 9685), (13, 9766), (19, 9835), (20, 9850), (23, 9889), (27, 9955), (29, 9967), (35, 10000), (39, 10069), (43, 10114), (57, 10303), (64, 10366),

Gene: MidnightRain_17 Start: 9650, Stop: 10533, Start Num: 7

Candidate Starts for MidnightRain_17:

(Start: 7 @9650 has 47 MA's), (8, 9656), (9, 9662), (10, 9683), (13, 9764), (19, 9833), (20, 9848), (23, 9887), (27, 9953), (29, 9965), (35, 9998), (39, 10067), (43, 10112), (57, 10301), (64, 10364),

Gene: MurphyJoseph_17 Start: 9664, Stop: 10547, Start Num: 6

Candidate Starts for MurphyJoseph_17:

(Start: 6 @9664 has 5 MA's), (8, 9670), (9, 9676), (10, 9697), (19, 9847), (26, 9943), (29, 9979), (41, 10108), (42, 10117), (43, 10126), (47, 10216), (57, 10315), (64, 10378), (74, 10474),

Gene: NidoQ_17 Start: 9837, Stop: 10729, Start Num: 7

Candidate Starts for NidoQ_17:

(Start: 7 @9837 has 47 MA's), (8, 9843), (9, 9849), (19, 10020), (20, 10035), (29, 10152), (39, 10254), (43, 10299), (64, 10551), (66, 10566),

Gene: NikkiHotWheels_17 Start: 9777, Stop: 10669, Start Num: 7

Candidate Starts for NikkiHotWheels_17:

(Start: 7 @9777 has 47 MA's), (8, 9783), (9, 9789), (19, 9960), (20, 9975), (29, 10092), (39, 10194), (43, 10239), (57, 10428), (60, 10452), (64, 10491), (65, 10503),

Gene: Peas_15 Start: 9781, Stop: 10673, Start Num: 7

Candidate Starts for Peas_15:

(Start: 7 @9781 has 47 MA's), (8, 9787), (9, 9793), (19, 9964), (20, 9979), (29, 10096), (39, 10198), (43, 10243), (60, 10456), (64, 10495), (66, 10510),

Gene: PeggyLeg03_16 Start: 9820, Stop: 10712, Start Num: 7

Candidate Starts for PeggyLeg03_16:

(Start: 7 @9820 has 47 MA's), (8, 9826), (9, 9832), (19, 10003), (20, 10018), (29, 10135), (39, 10237), (43, 10282), (64, 10534), (66, 10549),

Gene: Persistence_16 Start: 9723, Stop: 10606, Start Num: 7

Candidate Starts for Persistence_16:

(Start: 7 @9723 has 47 MA's), (8, 9729), (9, 9735), (17, 9885), (19, 9906), (20, 9921), (22, 9942), (29, 10038), (34, 10065), (39, 10140), (43, 10185), (47, 10275), (49, 10299), (75, 10551), (77, 10587),

Gene: Phrank15_16 Start: 9804, Stop: 10696, Start Num: 7

Candidate Starts for Phrank15_16:

(Start: 7 @9804 has 47 MA's), (8, 9810), (9, 9816), (19, 9987), (20, 10002), (28, 10116), (29, 10119), (39, 10221), (43, 10266), (47, 10356), (64, 10518), (66, 10533), (67, 10554),

Gene: RadFad_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for RadFad_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Raphaella_17 Start: 9651, Stop: 10534, Start Num: 7

Candidate Starts for Raphaella_17:

(Start: 7 @9651 has 47 MA's), (8, 9657), (9, 9663), (10, 9684), (13, 9765), (19, 9834), (20, 9849), (23, 9888), (27, 9954), (29, 9966), (35, 9999), (39, 10068), (43, 10113), (57, 10302), (64, 10365),

Gene: Richie_17 Start: 9666, Stop: 10549, Start Num: 7

Candidate Starts for Richie_17:

(Start: 7 @9666 has 47 MA's), (8, 9672), (9, 9678), (10, 9699), (13, 9780), (19, 9849), (20, 9864), (23, 9903), (27, 9969), (29, 9981), (35, 10014), (39, 10083), (43, 10128), (57, 10317), (64, 10380), (78, 10530),

Gene: Sakai_17 Start: 9660, Stop: 10543, Start Num: 7

Candidate Starts for Sakai_17:

(Start: 7 @9660 has 47 MA's), (8, 9666), (9, 9672), (10, 9693), (13, 9774), (19, 9843), (20, 9858), (23, 9897), (27, 9963), (29, 9975), (35, 10008), (39, 10077), (43, 10122), (57, 10311), (64, 10374),

Gene: Seahorse_18 Start: 9917, Stop: 10800, Start Num: 6

Candidate Starts for Seahorse_18:

(Start: 6 @9917 has 5 MA's), (8, 9923), (9, 9929), (10, 9950), (19, 10100), (26, 10196), (29, 10232), (41, 10361), (42, 10370), (43, 10379), (47, 10469), (57, 10568), (64, 10631), (74, 10727),

Gene: Shukran_18 Start: 9612, Stop: 10498, Start Num: 7

Candidate Starts for Shukran_18:

(Start: 7 @9612 has 47 MA's), (8, 9618), (9, 9624), (10, 9645), (19, 9795), (22, 9831), (29, 9927), (35, 9960), (39, 10029), (41, 10056), (42, 10065), (43, 10074), (47, 10164), (51, 10218), (63, 10320), (65,

10341),

Gene: SpicyFrank_17 Start: 9728, Stop: 10611, Start Num: 7

Candidate Starts for SpicyFrank_17:

(5, 9665), (Start: 7 @9728 has 47 MA's), (8, 9734), (9, 9740), (13, 9842), (16, 9869), (19, 9911), (20, 9926), (23, 9965), (27, 10031), (29, 10043), (35, 10076), (39, 10145), (43, 10190), (57, 10379), (64, 10442),

Gene: Sporco_18 Start: 9708, Stop: 10591, Start Num: 7

Candidate Starts for Sporco_18:

(Start: 7 @9708 has 47 MA's), (8, 9714), (9, 9720), (10, 9741), (13, 9822), (19, 9891), (20, 9906), (23, 9945), (27, 10011), (29, 10023), (35, 10056), (39, 10125), (43, 10170), (57, 10359), (64, 10422),

Gene: ThayneTheZag_17 Start: 9726, Stop: 10609, Start Num: 7

Candidate Starts for ThayneTheZag_17:

(1, 9636), (Start: 7 @9726 has 47 MA's), (8, 9732), (9, 9738), (10, 9759), (13, 9840), (19, 9909), (20, 9924), (23, 9963), (27, 10029), (29, 10041), (35, 10074), (39, 10143), (43, 10188), (47, 10278), (57, 10377), (64, 10440), (78, 10590),

Gene: Tiff81_18 Start: 9875, Stop: 10767, Start Num: 7

Candidate Starts for Tiff81_18:

(Start: 7 @9875 has 47 MA's), (8, 9881), (9, 9887), (19, 10058), (29, 10190), (39, 10292), (43, 10337), (56, 10517), (64, 10589), (66, 10604), (70, 10646),

Gene: Windest_18 Start: 9708, Stop: 10591, Start Num: 7

Candidate Starts for Windest_18:

(Start: 7 @9708 has 47 MA's), (8, 9714), (9, 9720), (10, 9741), (13, 9822), (19, 9891), (20, 9906), (23, 9945), (27, 10011), (29, 10023), (35, 10056), (39, 10125), (43, 10170), (49, 10284), (51, 10314), (57, 10359), (64, 10422),

Gene: YoungHarleezy_17 Start: 9664, Stop: 10547, Start Num: 7

Candidate Starts for YoungHarleezy_17:

(Start: 7 @9664 has 47 MA's), (8, 9670), (9, 9676), (10, 9697), (13, 9778), (19, 9847), (20, 9862), (23, 9901), (27, 9967), (29, 9979), (35, 10012), (39, 10081), (43, 10126), (57, 10315), (64, 10378),