

Pham 305131

1: ThursdayNight_14	5	9	14	20	24	30	37	39	41	50	51	59	85	104	117	122	128	130	134	136	157	164	167	174	182	184	189	191	211	249	259	261	267	269	276	287					
2: Sue2_16	5	9	14	22	24	32	36	40	44	52	56	61	76	88	98	112	118	122	128	130	134	136	157	164	167	174	182	184	189	191	210	219	226	241	249	259	261	267	278	284	
3: VResidence_16	5	9	14	20	23	30	36	39	41	50	54	61	70	91	110	114	122	128	130	134	136	157	164	167	174	182	184	189	191	208	219	226	233	241	249	259	261	267	271	276	284
4: MaGuCo_15	11	20	23	27	30	36	39	41	50	54	63	67	70	91	114	118	122	128	130	134	136	157	164	167	174	182	184	189	191	208	219	226	233	241	249	259	261	267	271	276	284
5: Liebe_15 + 2	5	9	14	20	24	30	36	39	41	50	54	61	76	79	89	93	116	122	128	130	134	136	157	164	167	174	182	184	189	191	223	235	243	249	259	261	267	272	284	288	
6: Sneek_16 + 1	5	9	11	20	25	30	36	39	41	50	54	61	76	82	89	97	103	111	121	128	130	134	136	157	164	167	174	182	184	189	191	203	235	248	259	261	267	272	284		
7: JasmineDragon_15 + 1	5	9	11	20	25	30	36	39	41	50	54	61	76	82	89	103	111	121	128	130	134	136	157	164	167	174	182	184	189	191	203	216	239	252	265	284	288				
8: VroomVroom_15 + 1	5	9	11	20	25	30	36	39	41	50	54	61	71	89	103	111	121	128	130	134	136	157	164	167	174	182	184	189	191	203	216	239	252	265	284	288					
9: LadyAstra_15 + 3	5	9	11	20	25	30	36	39	41	50	54	61	76	97	111	121	128	130	134	136	157	164	167	174	182	184	189	191	211	217	234	248	259	261	267	272	284	288			
10: Emotion_15	5	9	11	20	25	30	36	39	41	50	54	61	76	82	89	97	103	111	121	128	130	134	136	157	164	167	174	182	184	189	191	203	216	235	248	259	261	267	272	284	288
11: MiniMommy_15	5	9	11	20	23	28	30	37	39	45	53	60	66	84	94	104	114	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
12: Linayshia_18	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
13: Sucha_16	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
14: IndRoo_16	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
15: Benny_19	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
16: Milani_20	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
17: FireCastle_18	5	9	11	23	28	31	39	42	51	58	60	66	84	87	90	94	105	126	142	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288					
18: Olympi_21	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
19: ChamcyPickle_18 + 1	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
20: Gerri43_17 + 3	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
21: TMaxx_17	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
22: Studio_18	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
23: Agamoto_19	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
24: AnnabelLee_17	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
25: Mireles_17	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
26: Ezurina_16	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
27: TripleC_20	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
28: Makima_18	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							
29: LastNadiia_20 + 1	5	9	11	20	33	39	46	50	58	62	76	81	86	93	109	125	134	146	156	160	159	166	188	209	213	214	236	249	259	261	267	271	285	288							

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 305131 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305131 has 42 members, 12 are drafts.

Phages represented in each track:

- Track 1 : ThursdayNight_14
- Track 2 : Sue2_16
- Track 3 : VResidence_16
- Track 4 : MaGuCo_15
- Track 5 : Liebe_15, IUFootball_15, Maureen_15
- Track 6 : Snek_16, Tweety19_16
- Track 7 : JasmineDragon_15, ShakeltOph_15
- Track 8 : VroomVroom_15, AceofSpades_15
- Track 9 : LadyAstra_15, FiveHead_15, JohnThicc_15, Origami_15
- Track 10 : Emotion_15
- Track 11 : MiniMommy_15
- Track 12 : Linayshia_19
- Track 13 : Sucha_16
- Track 14 : IndiRoo_19
- Track 15 : Benry_19
- Track 16 : Milani_20
- Track 17 : FireCastle_19
- Track 18 : Olympi_21
- Track 19 : ChamoyPickle_18, CardboardBox_18
- Track 20 : Gerri43_17, Neuville_17, Roberts_17, ChipsNGuac_17
- Track 21 : TMaxx_17
- Track 22 : Studio_18
- Track 23 : Agamoto_19
- Track 24 : AnnabelLee_17
- Track 25 : Mireles_17
- Track 26 : Ezurina_16
- Track 27 : TripleC_20
- Track 28 : Makima_18
- Track 29 : LastNadiia_20, Audell_20

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

The start number called the most often in the published annotations is 5, it was called in 12 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AceofSpades_15, Emotion_15, FiveHead_15, IUFootball_15, JasmineDragon_15, JohnThicc_15, LadyAstra_15, Liebe_15, MaGuCo_15, Maureen_15, MiniMommy_15, Origami_15, ShakeltOph_15, Snek_16, Sue2_16, ThursdayNight_14, Tweety19_16, VResidence_16, VroomVroom_15,

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

-

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

- Agamoto_19, AnnabelLee_17, Audell_20, Benry_19, CardboardBox_18, ChamoyPickle_18, ChipsNGuac_17, Ezurina_16, FireCastle_19, Gerri43_17, IndiRoo_19, LastNadiia_20, Linayshia_19, Makima_18, Milani_20, Mireles_17, Neuville_17, Olympi_21, Roberts_17, Studio_18, Sucha_16, TMaxx_17, TripleC_20,

Summary by start number:

Start 3:

- Found in 8 of 42 (19.0%) of genes in pham
- Manual Annotations of this start: 3 of 30
- Called 62.5% of time when present
- Phage (with cluster) where this start called: ChipsNGuac_17 (FR), Gerri43_17 (FR), Neuville_17 (FR), Roberts_17 (FR), Studio_18 (FR),

Start 4:

- Found in 16 of 42 (38.1%) of genes in pham
- Manual Annotations of this start: 8 of 30
- Called 68.8% of time when present
- Phage (with cluster) where this start called: Agamoto_19 (FR), AnnabelLee_17 (FR), Audell_20 (FR), CardboardBox_18 (FR), ChamoyPickle_18 (FR), Ezurina_16 (FR), LastNadiia_20 (FR), Makima_18 (FR), Mireles_17 (FR), TMaxx_17 (FR), TripleC_20 (FR),

Start 5:

- Found in 19 of 42 (45.2%) of genes in pham
- Manual Annotations of this start: 12 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AceofSpades_15 (AZ4), Emotion_15 (AZ4), FiveHead_15 (AZ4), IUFootball_15 (AZ2), JasmineDragon_15 (AZ4), JohnThicc_15 (AZ4), LadyAstra_15 (AZ4), Liebe_15 (AZ2), MaGuCo_15 (AZ2), Maureen_15 (AZ2), MiniMommy_15 (AZ4), Origami_15 (AZ4), ShakeltOph_15 (AZ4), Snek_16 (AZ3), Sue2_16 (AZ1), ThursdayNight_14 (AZ), Tweety19_16 (AZ3), VResidence_16 (AZ1), VroomVroom_15 (AZ4),

Start 6:

- Found in 7 of 42 (16.7%) of genes in pham
- Manual Annotations of this start: 7 of 30
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Benry_19 (EJ), FireCastle_19 (EJ), IndiRoo_19 (EJ), Linayshia_19 (EJ), Milani_20 (EJ), Olympi_21 (EJ), Sucha_16 (EJ),

Summary by clusters:

There are 7 clusters represented in this pham: FR, AZ, EJ, AZ1, AZ2, AZ3, AZ4,

Info for manual annotations of cluster AZ1:

- Start number 5 was manually annotated 2 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 5 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 5 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 5 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster EJ:

- Start number 6 was manually annotated 7 times for cluster EJ.

Info for manual annotations of cluster FR:

- Start number 3 was manually annotated 3 times for cluster FR.
- Start number 4 was manually annotated 8 times for cluster FR.

Gene Information:

Gene: AceofSpades_15 Start: 8983, Stop: 11226, Start Num: 5

Candidate Starts for AceofSpades_15:

(Start: 5 @8983 has 12 MA's), (9, 9070), (15, 9151), (17, 9172), (20, 9238), (25, 9343), (33, 9454), (35, 9460), (38, 9556), (39, 9598), (50, 9745), (76, 9880), (82, 9907), (89, 9940), (103, 10024), (111, 10063), (121, 10102), (128, 10126), (131, 10150), (133, 10159), (138, 10177), (143, 10204), (146, 10219), (157, 10255), (159, 10267), (167, 10312), (168, 10318), (179, 10378), (184, 10396), (190, 10420), (198, 10462), (199, 10465), (203, 10495), (216, 10603), (248, 10858), (251, 10870), (261, 10954), (262, 10960), (265, 10990),

Gene: Agamoto_19 Start: 12614, Stop: 14902, Start Num: 4

Candidate Starts for Agamoto_19:

(2, 12578), (Start: 4 @12614 has 8 MA's), (12, 12755), (24, 12974), (25, 12977), (33, 13088), (34, 13091), (35, 13094), (39, 13232), (43, 13289), (50, 13379), (52, 13388), (55, 13409), (72, 13550), (74, 13556), (103, 13715), (112, 13757), (119, 13790), (127, 13814), (133, 13850), (139, 13871), (147, 13913), (149, 13919), (150, 13922), (167, 14003), (173, 14030), (175, 14045), (177, 14057), (183, 14081), (185, 14096), (187, 14102), (191, 14114), (192, 14120), (195, 14141), (196, 14144), (199, 14156), (201, 14174), (228, 14363), (233, 14408), (234, 14429), (235, 14432), (245, 14528), (248, 14549), (249, 14552), (255, 14585), (267, 14702), (268, 14726), (269, 14735), (272, 14753), (281, 14843), (282, 14864),

Gene: AnnabelLee_17 Start: 9570, Stop: 11855, Start Num: 4

Candidate Starts for AnnabelLee_17:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (50, 10335), (58, 10377), (80, 10545), (86, 10566), (96, 10620), (124, 10761), (128, 10773), (133, 10806), (137, 10821), (149, 10875), (150, 10878), (157, 10902), (164, 10938), (165, 10947),

(169, 10968), (171, 10977), (172, 10983), (174, 10989), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: Audell_20 Start: 12894, Stop: 15182, Start Num: 4

Candidate Starts for Audell_20:

(Start: 4 @12894 has 8 MA's), (24, 13254), (25, 13257), (33, 13368), (34, 13371), (35, 13374), (39, 13512), (50, 13659), (72, 13830), (82, 13878), (106, 14010), (127, 14094), (129, 14106), (133, 14130), (142, 14172), (146, 14190), (150, 14202), (166, 14280), (167, 14283), (173, 14310), (176, 14328), (177, 14337), (183, 14361), (185, 14376), (187, 14382), (191, 14394), (192, 14400), (199, 14436), (203, 14466), (212, 14532), (233, 14688), (234, 14709), (235, 14712), (248, 14829), (249, 14832), (255, 14865), (267, 14982), (268, 15006), (281, 15123),

Gene: Benry_19 Start: 11509, Stop: 13800, Start Num: 6

Candidate Starts for Benry_19:

(Start: 6 @11509 has 7 MA's), (13, 11626), (17, 11659), (23, 11800), (28, 11878), (30, 11902), (37, 12034), (39, 12085), (42, 12136), (46, 12157), (51, 12235), (57, 12271), (58, 12274), (60, 12295), (65, 12352), (73, 12436), (83, 12481), (84, 12484), (87, 12502), (90, 12520), (94, 12544), (126, 12706), (141, 12772), (146, 12805), (152, 12826), (160, 12859), (161, 12862), (197, 13030), (200, 13048), (203, 13069), (213, 13147), (217, 13180), (231, 13279), (235, 13315), (236, 13321), (239, 13348), (243, 13387), (248, 13432), (251, 13444), (253, 13456), (254, 13465), (255, 13468), (267, 13582), (272, 13633), (273, 13639), (274, 13648),

Gene: CardboardBox_18 Start: 9570, Stop: 11855, Start Num: 4

Candidate Starts for CardboardBox_18:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: ChamoyPickle_18 Start: 9570, Stop: 11855, Start Num: 4

Candidate Starts for ChamoyPickle_18:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: ChipsNGuac_17 Start: 9567, Stop: 11855, Start Num: 3

Candidate Starts for ChipsNGuac_17:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212,

11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: Emotion_15 Start: 9044, Stop: 11284, Start Num: 5

Candidate Starts for Emotion_15:

(Start: 5 @9044 has 12 MA's), (9, 9131), (17, 9233), (20, 9299), (25, 9404), (33, 9515), (35, 9521), (39, 9659), (41, 9704), (50, 9806), (54, 9824), (76, 9938), (97, 10034), (111, 10121), (121, 10160), (128, 10184), (131, 10208), (133, 10217), (138, 10235), (143, 10262), (157, 10313), (159, 10325), (170, 10382), (179, 10436), (190, 10478), (211, 10607), (217, 10664), (234, 10796), (235, 10799), (248, 10916), (261, 11012), (262, 11018), (265, 11048),

Gene: Ezurina_16 Start: 9139, Stop: 11424, Start Num: 4

Candidate Starts for Ezurina_16:

(Start: 4 @9139 has 8 MA's), (13, 9295), (20, 9397), (33, 9613), (34, 9616), (39, 9757), (50, 9904), (60, 9967), (76, 10084), (81, 10117), (86, 10135), (107, 10258), (125, 10333), (133, 10375), (134, 10381), (144, 10423), (146, 10435), (147, 10438), (148, 10441), (162, 10495), (165, 10516), (166, 10525), (167, 10528), (169, 10537), (171, 10546), (172, 10552), (175, 10570), (176, 10573), (177, 10582), (181, 10603), (184, 10612), (186, 10624), (199, 10681), (202, 10708), (203, 10711), (212, 10777), (219, 10831), (227, 10885), (228, 10888), (229, 10900), (235, 10957), (236, 10963), (239, 10990), (244, 11041), (248, 11074), (249, 11077), (261, 11170), (262, 11176), (267, 11227), (268, 11251), (269, 11260), (270, 11263), (286, 11419),

Gene: FireCastle_19 Start: 13235, Stop: 15373, Start Num: 6

Candidate Starts for FireCastle_19:

(Start: 6 @13235 has 7 MA's), (17, 13385), (28, 13604), (29, 13619), (34, 13670), (39, 13811), (41, 13856), (45, 13877), (47, 13901), (53, 13973), (57, 13997), (58, 14000), (64, 14069), (65, 14078), (66, 14084), (73, 14162), (77, 14168), (84, 14210), (96, 14279), (98, 14294), (101, 14312), (114, 14345), (120, 14378), (155, 14477), (161, 14501), (166, 14534), (214, 14756), (220, 14798), (222, 14807), (230, 14873), (251, 15017), (258, 15062), (260, 15083), (261, 15098), (264, 15128), (269, 15188), (273, 15212),

Gene: FiveHead_15 Start: 8974, Stop: 11217, Start Num: 5

Candidate Starts for FiveHead_15:

(Start: 5 @8974 has 12 MA's), (9, 9061), (17, 9163), (20, 9229), (25, 9334), (33, 9445), (35, 9451), (38, 9547), (39, 9589), (50, 9736), (54, 9754), (71, 9856), (103, 10012), (121, 10090), (131, 10138), (133, 10147), (138, 10165), (146, 10207), (149, 10216), (157, 10243), (163, 10273), (168, 10306), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (216, 10591), (248, 10846), (251, 10858), (261, 10942), (262, 10948), (265, 10978),

Gene: Gerri43_17 Start: 9567, Stop: 11855, Start Num: 3

Candidate Starts for Gerri43_17:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: IUFootball_15 Start: 9206, Stop: 11569, Start Num: 5

Candidate Starts for IUFootball_15:

(Start: 5 @9206 has 12 MA's), (17, 9395), (20, 9461), (23, 9536), (27, 9602), (33, 9677), (34, 9680), (35, 9683), (37, 9770), (38, 9779), (39, 9821), (50, 9968), (54, 9986), (63, 10061), (67, 10094), (70, 10127), (91, 10268), (116, 10391), (117, 10400), (128, 10439), (130, 10457), (133, 10472), (146, 10532), (148, 10538), (150, 10544), (153, 10556), (154, 10559), (165, 10613), (167, 10625), (170, 10637), (173, 10652), (187, 10724), (192, 10742), (193, 10751), (196, 10766), (199, 10778), (201, 10796), (203, 10808), (233, 11030), (248, 11171), (249, 11174), (255, 11207), (256, 11222), (257, 11228), (261, 11267), (267, 11324), (271, 11366), (276, 11414),

Gene: IndiRoo_19 Start: 11519, Stop: 13810, Start Num: 6

Candidate Starts for IndiRoo_19:

(Start: 6 @11519 has 7 MA's), (13, 11636), (17, 11669), (23, 11810), (28, 11888), (30, 11912), (37, 12044), (39, 12095), (42, 12146), (51, 12245), (58, 12284), (62, 12332), (65, 12362), (73, 12446), (84, 12494), (87, 12512), (96, 12563), (105, 12629), (126, 12716), (141, 12782), (142, 12797), (146, 12815), (152, 12836), (160, 12869), (200, 13058), (203, 13079), (205, 13091), (207, 13100), (213, 13157), (217, 13190), (222, 13211), (231, 13289), (233, 13301), (236, 13331), (239, 13358), (248, 13442), (251, 13454), (254, 13475), (255, 13478), (267, 13592), (272, 13643), (274, 13658),

Gene: JasmineDragon_15 Start: 8971, Stop: 11214, Start Num: 5

Candidate Starts for JasmineDragon_15:

(Start: 5 @8971 has 12 MA's), (9, 9058), (17, 9160), (20, 9226), (25, 9331), (33, 9442), (35, 9448), (38, 9544), (39, 9586), (50, 9733), (54, 9751), (76, 9868), (82, 9895), (89, 9928), (97, 9964), (103, 10012), (111, 10051), (121, 10090), (131, 10138), (133, 10147), (135, 10156), (138, 10165), (146, 10207), (157, 10243), (159, 10255), (167, 10300), (168, 10306), (174, 10330), (179, 10366), (184, 10384), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (235, 10729), (248, 10846), (261, 10942), (262, 10948), (265, 10978),

Gene: JohnThicc_15 Start: 8974, Stop: 11217, Start Num: 5

Candidate Starts for JohnThicc_15:

(Start: 5 @8974 has 12 MA's), (9, 9061), (17, 9163), (20, 9229), (25, 9334), (33, 9445), (35, 9451), (38, 9547), (39, 9589), (50, 9736), (54, 9754), (71, 9856), (103, 10012), (121, 10090), (131, 10138), (133, 10147), (138, 10165), (146, 10207), (149, 10216), (157, 10243), (163, 10273), (168, 10306), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (216, 10591), (248, 10846), (251, 10858), (261, 10942), (262, 10948), (265, 10978),

Gene: LadyAstra_15 Start: 8974, Stop: 11217, Start Num: 5

Candidate Starts for LadyAstra_15:

(Start: 5 @8974 has 12 MA's), (9, 9061), (17, 9163), (20, 9229), (25, 9334), (33, 9445), (35, 9451), (38, 9547), (39, 9589), (50, 9736), (54, 9754), (71, 9856), (103, 10012), (121, 10090), (131, 10138), (133, 10147), (138, 10165), (146, 10207), (149, 10216), (157, 10243), (163, 10273), (168, 10306), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (216, 10591), (248, 10846), (251, 10858), (261, 10942), (262, 10948), (265, 10978),

Gene: LastNadiia_20 Start: 11846, Stop: 14134, Start Num: 4

Candidate Starts for LastNadiia_20:

(Start: 4 @11846 has 8 MA's), (24, 12206), (25, 12209), (33, 12320), (34, 12323), (35, 12326), (39, 12464), (50, 12611), (72, 12782), (82, 12830), (106, 12962), (127, 13046), (129, 13058), (133, 13082), (142, 13124), (146, 13142), (150, 13154), (166, 13232), (167, 13235), (173, 13262), (176, 13280), (177, 13289), (183, 13313), (185, 13328), (187, 13334), (191, 13346), (192, 13352), (199, 13388), (203, 13418), (212, 13484), (233, 13640), (234, 13661), (235, 13664), (248, 13781), (249, 13784), (255, 13817), (267, 13934), (268, 13958), (281, 14075),

Gene: Liebe_15 Start: 9206, Stop: 11569, Start Num: 5

Candidate Starts for Liebe_15:

(Start: 5 @9206 has 12 MA's), (17, 9395), (20, 9461), (23, 9536), (27, 9602), (33, 9677), (34, 9680), (35, 9683), (37, 9770), (38, 9779), (39, 9821), (50, 9968), (54, 9986), (63, 10061), (67, 10094), (70, 10127), (91, 10268), (116, 10391), (117, 10400), (128, 10439), (130, 10457), (133, 10472), (146, 10532), (148, 10538), (150, 10544), (153, 10556), (154, 10559), (165, 10613), (167, 10625), (170, 10637), (173, 10652), (187, 10724), (192, 10742), (193, 10751), (196, 10766), (199, 10778), (201, 10796), (203, 10808), (233, 11030), (248, 11171), (249, 11174), (255, 11207), (256, 11222), (257, 11228), (261, 11267), (267, 11324), (271, 11366), (276, 11414),

Gene: Linayshia_19 Start: 13506, Stop: 15500, Start Num: 6

Candidate Starts for Linayshia_19:

(Start: 6 @13506 has 7 MA's), (8, 13545), (17, 13656), (18, 13671), (19, 13683), (23, 13797), (28, 13875), (30, 13899), (37, 14031), (39, 14082), (45, 14148), (53, 14244), (66, 14355), (84, 14481), (94, 14541), (98, 14565), (101, 14583), (114, 14616), (159, 14763), (166, 14781), (203, 14814), (206, 14829), (214, 14895), (237, 15054), (239, 15060), (240, 15066), (248, 15144), (252, 15159), (258, 15201), (264, 15267), (271, 15336), (285, 15474),

Gene: MaGuCo_15 Start: 9140, Stop: 11503, Start Num: 5

Candidate Starts for MaGuCo_15:

(Start: 5 @9140 has 12 MA's), (17, 9329), (20, 9395), (23, 9470), (33, 9611), (34, 9614), (35, 9617), (37, 9704), (38, 9713), (39, 9755), (41, 9800), (50, 9902), (54, 9920), (67, 10028), (70, 10061), (91, 10202), (110, 10304), (116, 10325), (117, 10334), (128, 10373), (130, 10391), (132, 10403), (133, 10406), (146, 10466), (148, 10472), (150, 10478), (153, 10490), (154, 10493), (159, 10514), (165, 10547), (167, 10559), (170, 10571), (173, 10586), (187, 10658), (191, 10670), (192, 10676), (193, 10685), (196, 10700), (199, 10712), (201, 10730), (203, 10742), (233, 10964), (248, 11105), (249, 11108), (255, 11141), (257, 11162), (261, 11201), (267, 11258), (271, 11300), (276, 11348),

Gene: Makima_18 Start: 10929, Stop: 13217, Start Num: 4

Candidate Starts for Makima_18:

(Start: 4 @10929 has 8 MA's), (24, 11289), (25, 11292), (33, 11403), (34, 11406), (35, 11409), (39, 11547), (50, 11694), (72, 11865), (82, 11913), (133, 12165), (138, 12183), (146, 12225), (151, 12240), (166, 12315), (167, 12318), (173, 12345), (176, 12363), (177, 12372), (183, 12396), (185, 12411), (187, 12417), (191, 12429), (192, 12435), (199, 12471), (222, 12633), (233, 12723), (234, 12744), (235, 12747), (238, 12777), (248, 12864), (249, 12867), (255, 12900), (267, 13017), (268, 13041), (272, 13068), (281, 13158),

Gene: Maureen_15 Start: 9206, Stop: 11569, Start Num: 5

Candidate Starts for Maureen_15:

(Start: 5 @9206 has 12 MA's), (17, 9395), (20, 9461), (23, 9536), (27, 9602), (33, 9677), (34, 9680), (35, 9683), (37, 9770), (38, 9779), (39, 9821), (50, 9968), (54, 9986), (63, 10061), (67, 10094), (70, 10127), (91, 10268), (116, 10391), (117, 10400), (128, 10439), (130, 10457), (133, 10472), (146, 10532), (148, 10538), (150, 10544), (153, 10556), (154, 10559), (165, 10613), (167, 10625), (170, 10637), (173, 10652), (187, 10724), (192, 10742), (193, 10751), (196, 10766), (199, 10778), (201, 10796), (203, 10808), (233, 11030), (248, 11171), (249, 11174), (255, 11207), (256, 11222), (257, 11228), (261, 11267), (267, 11324), (271, 11366), (276, 11414),

Gene: Milani_20 Start: 12168, Stop: 14459, Start Num: 6

Candidate Starts for Milani_20:

(Start: 6 @12168 has 7 MA's), (13, 12285), (17, 12318), (19, 12345), (28, 12537), (37, 12693), (39, 12744), (42, 12795), (46, 12816), (49, 12873), (57, 12930), (66, 13017), (68, 13044), (69, 13065), (73, 13095), (75, 13098), (96, 13212), (123, 13356), (146, 13464), (160, 13518), (181, 13629), (200, 13707), (203, 13728), (205, 13740), (209, 13761), (213, 13806), (224, 13872), (231, 13938), (235, 13974), (236, 13980), (239, 14007), (243, 14046), (248, 14091), (249, 14094), (251, 14103), (253, 14115), (254, 14124), (255, 14127), (267, 14241), (272, 14292), (273, 14298),

Gene: MiniMommy_15 Start: 8972, Stop: 11215, Start Num: 5

Candidate Starts for MiniMommy_15:

(Start: 5 @8972 has 12 MA's), (9, 9059), (17, 9161), (20, 9227), (25, 9332), (33, 9443), (35, 9449), (38, 9545), (39, 9587), (50, 9734), (54, 9752), (76, 9869), (82, 9896), (89, 9929), (97, 9965), (103, 10013), (111, 10052), (121, 10091), (128, 10115), (131, 10139), (133, 10148), (135, 10157), (138, 10166), (146, 10208), (157, 10244), (159, 10256), (167, 10301), (168, 10307), (174, 10331), (179, 10367), (184, 10385), (190, 10409), (192, 10418), (194, 10430), (198, 10451), (199, 10454), (203, 10484), (235, 10730), (248, 10847), (261, 10943), (262, 10949), (265, 10979),

Gene: Mireles_17 Start: 9332, Stop: 11623, Start Num: 4

Candidate Starts for Mireles_17:

(2, 9296), (Start: 4 @9332 has 8 MA's), (24, 9692), (25, 9695), (33, 9806), (35, 9812), (39, 9950), (50, 10097), (54, 10115), (74, 10274), (78, 10301), (95, 10376), (115, 10484), (130, 10553), (133, 10568), (138, 10586), (139, 10589), (144, 10616), (146, 10628), (147, 10631), (149, 10637), (159, 10676), (165, 10709), (167, 10721), (169, 10730), (175, 10763), (176, 10766), (199, 10874), (203, 10904), (208, 10934), (209, 10937), (215, 10991), (216, 11012), (217, 11015), (223, 11039), (233, 11126), (234, 11147), (235, 11150), (248, 11267), (249, 11270), (255, 11303), (261, 11363), (267, 11420), (268, 11444), (269, 11453), (277, 11513), (281, 11564), (283, 11591),

Gene: Neuville_17 Start: 9567, Stop: 11855, Start Num: 3

Candidate Starts for Neuville_17:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175, 11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: Olympi_21 Start: 13480, Stop: 15465, Start Num: 6

Candidate Starts for Olympi_21:

(1, 13381), (Start: 6 @13480 has 7 MA's), (17, 13630), (18, 13645), (19, 13657), (28, 13849), (30, 13873), (34, 13915), (37, 14005), (39, 14056), (45, 14122), (50, 14203), (62, 14293), (64, 14314), (66, 14329), (84, 14455), (96, 14524), (101, 14557), (166, 14755), (199, 14782), (205, 14800), (212, 14854), (218, 14902), (221, 14914), (222, 14920), (230, 14986), (231, 14998), (232, 15001), (258, 15175), (261, 15211), (264, 15241), (269, 15301), (285, 15439),

Gene: Origami_15 Start: 8974, Stop: 11217, Start Num: 5

Candidate Starts for Origami_15:

(Start: 5 @8974 has 12 MA's), (9, 9061), (17, 9163), (20, 9229), (25, 9334), (33, 9445), (35, 9451), (38, 9547), (39, 9589), (50, 9736), (54, 9754), (71, 9856), (103, 10012), (121, 10090), (131, 10138), (133, 10147), (138, 10165), (146, 10207), (149, 10216), (157, 10243), (163, 10273), (168, 10306), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (216, 10591), (248, 10846), (251, 10858), (261, 10942), (262, 10948), (265, 10978),

Gene: Roberts_17 Start: 9567, Stop: 11855, Start Num: 3

Candidate Starts for Roberts_17:

(Start: 3 @9567 has 3 MA's), (Start: 4 @9570 has 8 MA's), (10, 9669), (20, 9828), (33, 10044), (39, 10188), (48, 10299), (50, 10335), (58, 10377), (76, 10515), (80, 10545), (81, 10548), (86, 10566), (93, 10608), (108, 10692), (113, 10716), (125, 10764), (133, 10806), (134, 10812), (144, 10854), (148, 10872), (159, 10914), (162, 10926), (165, 10947), (169, 10968), (171, 10977), (172, 10983), (175,

11001), (176, 11004), (181, 11034), (184, 11043), (199, 11112), (202, 11139), (203, 11142), (212, 11208), (215, 11229), (217, 11253), (223, 11277), (227, 11316), (234, 11385), (236, 11394), (239, 11421), (248, 11505), (249, 11508), (261, 11601), (262, 11607), (267, 11658), (268, 11682), (269, 11691), (275, 11736), (286, 11850),

Gene: ShakeltOph_15 Start: 8971, Stop: 11214, Start Num: 5

Candidate Starts for ShakeltOph_15:

(Start: 5 @8971 has 12 MA's), (9, 9058), (17, 9160), (20, 9226), (25, 9331), (33, 9442), (35, 9448), (38, 9544), (39, 9586), (50, 9733), (54, 9751), (76, 9868), (82, 9895), (89, 9928), (97, 9964), (103, 10012), (111, 10051), (121, 10090), (131, 10138), (133, 10147), (135, 10156), (138, 10165), (146, 10207), (157, 10243), (159, 10255), (167, 10300), (168, 10306), (174, 10330), (179, 10366), (184, 10384), (190, 10408), (192, 10417), (194, 10429), (198, 10450), (199, 10453), (203, 10483), (235, 10729), (248, 10846), (261, 10942), (262, 10948), (265, 10978),

Gene: Snek_16 Start: 9838, Stop: 12117, Start Num: 5

Candidate Starts for Snek_16:

(Start: 5 @9838 has 12 MA's), (18, 10042), (20, 10093), (24, 10195), (29, 10261), (33, 10309), (35, 10315), (37, 10402), (38, 10411), (39, 10453), (41, 10498), (50, 10600), (54, 10618), (76, 10747), (79, 10762), (89, 10804), (92, 10825), (95, 10840), (116, 10951), (131, 11023), (133, 11032), (135, 11041), (139, 11053), (148, 11098), (150, 11104), (154, 11119), (159, 11140), (167, 11185), (183, 11263), (199, 11338), (201, 11356), (223, 11503), (235, 11614), (242, 11677), (244, 11698), (247, 11725), (250, 11740), (262, 11830), (265, 11860), (272, 11926), (284, 12052), (288, 12091),

Gene: Studio_18 Start: 9327, Stop: 11615, Start Num: 3

Candidate Starts for Studio_18:

(Start: 3 @9327 has 3 MA's), (Start: 4 @9330 has 8 MA's), (20, 9588), (33, 9804), (34, 9807), (39, 9948), (50, 10095), (58, 10137), (60, 10158), (80, 10305), (82, 10314), (93, 10368), (94, 10371), (95, 10374), (121, 10509), (133, 10566), (144, 10614), (162, 10686), (165, 10707), (169, 10728), (171, 10737), (172, 10743), (175, 10761), (176, 10764), (177, 10773), (180, 10791), (184, 10803), (189, 10824), (190, 10827), (191, 10830), (199, 10872), (202, 10899), (203, 10902), (219, 11022), (225, 11055), (227, 11076), (228, 11079), (235, 11148), (236, 11154), (248, 11265), (249, 11268), (261, 11361), (262, 11367), (266, 11409), (267, 11418), (268, 11442), (269, 11451), (272, 11469), (286, 11610),

Gene: Sucha_16 Start: 10506, Stop: 12797, Start Num: 6

Candidate Starts for Sucha_16:

(Start: 6 @10506 has 7 MA's), (13, 10623), (17, 10656), (23, 10797), (28, 10875), (37, 11031), (39, 11082), (42, 11133), (46, 11154), (57, 11268), (58, 11271), (60, 11292), (65, 11349), (83, 11478), (84, 11481), (87, 11499), (90, 11517), (94, 11541), (126, 11703), (142, 11784), (146, 11802), (152, 11823), (160, 11856), (161, 11859), (182, 11964), (188, 11988), (203, 12066), (204, 12069), (209, 12099), (213, 12144), (217, 12177), (231, 12276), (235, 12312), (236, 12318), (239, 12345), (243, 12384), (248, 12429), (251, 12441), (253, 12453), (254, 12462), (255, 12465), (267, 12579), (272, 12630), (274, 12645),

Gene: Sue2_16 Start: 10752, Stop: 13142, Start Num: 5

Candidate Starts for Sue2_16:

(Start: 5 @10752 has 12 MA's), (7, 10785), (13, 10905), (17, 10941), (20, 11007), (24, 11109), (33, 11223), (35, 11229), (37, 11316), (38, 11325), (39, 11367), (50, 11514), (88, 11790), (99, 11874), (122, 11985), (136, 12063), (138, 12069), (141, 12078), (145, 12105), (167, 12204), (187, 12303), (191, 12315), (195, 12342), (199, 12357), (200, 12366), (201, 12375), (209, 12420), (219, 12507), (226, 12552), (241, 12675), (246, 12732), (248, 12750), (249, 12753), (256, 12801), (263, 12864), (267, 12903), (284, 13077),

Gene: TMaxx_17 Start: 9424, Stop: 11712, Start Num: 4

Candidate Starts for TMaxx_17:

(Start: 4 @9424 has 8 MA's), (24, 9784), (25, 9787), (33, 9898), (34, 9901), (35, 9904), (39, 10042), (50, 10189), (55, 10219), (62, 10270), (72, 10360), (89, 10441), (102, 10516), (109, 10552), (111, 10564), (112, 10567), (119, 10600), (133, 10660), (147, 10723), (149, 10729), (150, 10732), (156, 10753), (158, 10759), (160, 10774), (165, 10801), (167, 10813), (169, 10822), (173, 10840), (175, 10855), (176, 10858), (177, 10867), (178, 10873), (180, 10885), (187, 10912), (192, 10930), (195, 10951), (199, 10966), (233, 11218), (234, 11239), (235, 11242), (248, 11359), (249, 11362), (261, 11455), (267, 11512), (268, 11536), (269, 11545), (272, 11563), (278, 11614), (280, 11629), (281, 11653),

Gene: ThursdayNight_14 Start: 9237, Stop: 11804, Start Num: 5

Candidate Starts for ThursdayNight_14:

(Start: 5 @9237 has 12 MA's), (9, 9324), (15, 9405), (16, 9411), (17, 9426), (20, 9492), (24, 9594), (30, 9669), (33, 9708), (35, 9714), (37, 9801), (39, 9852), (41, 9897), (50, 9999), (54, 10017), (57, 10038), (59, 10074), (85, 10332), (104, 10578), (117, 10638), (130, 10695), (131, 10701), (133, 10710), (148, 10776), (150, 10782), (154, 10797), (157, 10806), (167, 10863), (174, 10893), (184, 10947), (187, 10962), (192, 10980), (194, 10992), (199, 11016), (201, 11034), (211, 11100), (248, 11409), (249, 11412), (259, 11478), (261, 11505), (267, 11562), (269, 11595), (276, 11646), (287, 11760),

Gene: TripleC_20 Start: 12930, Stop: 15218, Start Num: 4

Candidate Starts for TripleC_20:

(Start: 4 @12930 has 8 MA's), (11, 13035), (24, 13290), (25, 13293), (29, 13356), (33, 13404), (34, 13407), (35, 13410), (39, 13548), (50, 13695), (55, 13725), (62, 13776), (72, 13866), (89, 13947), (100, 14007), (109, 14058), (111, 14070), (112, 14073), (133, 14166), (138, 14184), (139, 14187), (147, 14229), (149, 14235), (150, 14238), (157, 14262), (168, 14325), (169, 14328), (173, 14346), (177, 14373), (183, 14397), (185, 14412), (187, 14418), (191, 14430), (192, 14436), (195, 14457), (196, 14460), (199, 14472), (201, 14490), (217, 14613), (222, 14634), (233, 14724), (234, 14745), (235, 14748), (238, 14778), (245, 14844), (248, 14865), (249, 14868), (255, 14901), (261, 14961), (267, 15018), (268, 15042), (269, 15051), (280, 15135), (281, 15159),

Gene: Tweety19_16 Start: 9837, Stop: 12116, Start Num: 5

Candidate Starts for Tweety19_16:

(Start: 5 @9837 has 12 MA's), (18, 10041), (20, 10092), (24, 10194), (29, 10260), (33, 10308), (35, 10314), (37, 10401), (38, 10410), (39, 10452), (41, 10497), (50, 10599), (54, 10617), (76, 10746), (79, 10761), (89, 10803), (92, 10824), (95, 10839), (116, 10950), (131, 11022), (133, 11031), (135, 11040), (139, 11052), (148, 11097), (150, 11103), (154, 11118), (159, 11139), (167, 11184), (183, 11262), (199, 11337), (201, 11355), (223, 11502), (235, 11613), (242, 11676), (244, 11697), (247, 11724), (250, 11739), (262, 11829), (265, 11859), (272, 11925), (284, 12051), (288, 12090),

Gene: VResidence_16 Start: 10828, Stop: 13143, Start Num: 5

Candidate Starts for VResidence_16:

(Start: 5 @10828 has 12 MA's), (7, 10861), (9, 10915), (14, 10984), (21, 11116), (22, 11143), (26, 11224), (31, 11275), (32, 11284), (36, 11368), (40, 11479), (44, 11530), (52, 11620), (56, 11644), (61, 11671), (76, 11764), (112, 11956), (118, 11983), (128, 12016), (133, 12049), (138, 12067), (140, 12073), (148, 12115), (151, 12124), (154, 12136), (165, 12190), (170, 12214), (177, 12256), (178, 12262), (190, 12310), (199, 12355), (201, 12373), (203, 12385), (210, 12430), (217, 12496), (219, 12505), (246, 12730), (248, 12748), (249, 12751), (259, 12817), (263, 12862), (265, 12880), (267, 12901), (279, 13012), (284, 13078),

Gene: VroomVroom_15 Start: 8983, Stop: 11226, Start Num: 5

Candidate Starts for VroomVroom_15:

(Start: 5 @8983 has 12 MA's), (9, 9070), (15, 9151), (17, 9172), (20, 9238), (25, 9343), (33, 9454), (35, 9460), (38, 9556), (39, 9598), (50, 9745), (76, 9880), (82, 9907), (89, 9940), (103, 10024), (111, 10063), (121, 10102), (128, 10126), (131, 10150), (133, 10159), (138, 10177), (143, 10204), (146, 10219), (157, 10255), (159, 10267), (167, 10312), (168, 10318), (179, 10378), (184, 10396), (190, 10420), (198, 10462), (199, 10465), (203, 10495), (216, 10603), (248, 10858), (251, 10870), (261, 10954), (262, 10960), (265, 10990),